

PHIN Vocabulary Domains (Draft - Version 1)

PHIN Vocabulary Services Team:

Sundak Ganesan, MD (dsq3@cdc.gov)

David Dobbs, PMP (byy4@cdc.gov)

Mamie Bell, MLn (zvt9@cdc.gov)

Website: www.cdc.gov/phn/vocabulary

Overview of PHIN Vocabulary Domains

- (1) Draw concepts from CHI recommended vocabulary.
 - Demographics (HL7)
 - Lab Tests (LOINC)
 - Lab Results (SNOMED)
- (2) Also include domains that are of interest to public health, which were not covered by CHI.
E.g. "Occupation" domain draws the concepts & codes from "Standard Occupational Classification (SOC)"
- (3) Pending CHI recommendation domains:
E.g. Population Health, Medical devices, Disability, Food

Purpose of the PHIN Vocabulary Domains

- (1) Simplify the selection of vocabulary standard choices for PHIN programs and projects.
- (2) Enable PHIN program and project to consistently identify appropriate vocabulary standards for their coded concept
 - Vocabulary Registration & Reconciliation (R & R) Process: A CDC internal process to ensure that PHIN applications are using proper vocabulary.
- (3) This enables semantically accurate exchange of information across the PHIN

PHIN Vocabulary Hierarchy

- (1) PHIN vocabulary domain follows the CHI domain scope.
- (2) PHIN vocabulary concepts would inherit the semantics from the coding system associated with the PHIN vocabulary domain.
- (3) PHIN vocabulary hierarchy is relatively flat, so that users could easily navigate and identify the sub-domains.

PHIN Vocabulary Domain Information (metadata)

PHIN Vocabulary Domains are described by four sections:

- (1) PHIN Domain Information
 - Id, Descriptions, Comments
- (2) CHI related Information

- [Hyperlink to CHI domain recommendation document](#)

(3) PHIN Recommended Coding System Information

- Code system, Code system's Domain Reference, [Hyperlink](#)

(4) Enumeration of the concepts / sub-domains from the recommended coding system

- List of concepts and descriptions without the concept codes (illustration purpose only). Concept codes may not be available in this document to avoid the copyright issues.

[PHIN Vocabulary Domain Information Document](#)

(1) PHIN recommended vocabulary domain Information document contains a reference into the primary coding system from which concepts should be drawn. [Hyperlinks to applicable vocabulary standards](#) are provided for most of the PHIN vocabulary domains.

(2) PHIN recommended vocabulary domain Information document also contain a sample list of concepts / sub-categories.

(3) PHIN recommended vocabulary domain Information document is available in the following formats:

- Microsoft HELP file format (CHM)
- PDF
- HTML format

[Tools to find the PHIN Domain and its metadata:](#)

[PHIN Domain Finder \(Microsoft Help file format\)](#)

(1) Microsoft HTML help file format (CHM) of PHIN vocabulary domain document.

(2) Browse the PHIN Domain Hierarchy from the contents tab.

(3) Enter the 'concept' or 'sub-domain / sub-category' to find the PHIN vocabulary domain.

(4) Double clicking on the results would show the details of the PHIN domain document.

(5) Double clicking on the results (topic) and selecting 'contents' tab on top left corner would show the position of the PHIN domain in the hierarchy.

PHIN Domain Information:

Domain Name: Demographics

Domain Id:1

Definition (Scope):

The standard, as identified in the following section of this document, will be used to set the requirements for collecting and storing specific patient demographic data, to be used for various purposes, primarily that of unique patient identification.

Date Created:05/09/2005

Date Revised: 05/09/2005

Standard Vocabulary Identification Status: Complete

PHIN Comments:

Code system needs to be identified for some of the sub-domains of the Demographics. This domain primarily derives codes from HL7 (Version 2.x or 3). If not found, would be searched in SNOMED CT, UMLS, CDC Code system. Recommended vocabulary versions may change as the HL7 vocabulary version 3 is still being developed by HL7.

CHI related information:

CHI Report hyperlink:

http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc

CHI Comments:

One recommendation is to make it similar to the ASTM standard.

Gender: The selections within this data element need to be more restrictive, such as three selections instead of five, at least for demographic purposes. These could include Male, Female, and Unknown for humans*.

Insurance Status: This data element and its associated values should be added.

Living Status: This data element should be considered for those situations when information related the presence of another individual in a residence is needed to determine the supervisory care needed. Such information is also becoming more necessary where homelessness needs to be considered or tracked. ASTM has this data element for tracking whether a patient lives alone or with someone.

It is also recommended that a separate group maintain a mapping to X12.

Any other required federal standards that should emerge will require a harmonization between HL7® and the new required standard.

*The group did not expand the gender category into gender identification and chromosomal sex. Of note - that level of specificity is not available in the HL7® tables. In addition HL7® has a separate field for gender status. Upon satisfactory listing of these distinct vocabulary tables the gender section could be considered for adoption.

PHIN Recommended Coding System Information:

Code System Name: HL7

Code System Version: 2.x and later (ver 3)

Code System Reference :

HL7 2.x Chapter 2 (Control), HL7 2.x Chapter 3 (Patient Administration), HL7 2.x Chapter 6 (Patient Administration)

Code System Hyperlink: <http://www.hl7.org>

Sub-domain	Standard
Age Groups	MeSH
Language	ISO 639-2
Race	CDC Race & Ethnicity
Ethnicity	CDC Race & Ethnicity
Zip Codes	United States Postal Service (USPS)

County, City, Federal Information Publishing
Metropolitan, U.S. State Standard (FIPS)
Codes
Country ISO 3166-1
Country Sub-division ISO 3166-2

Enumeration:

PHIN "Demographics" sub-domains:

Name Prefix
Name Suffix
Name Type
Address Type
Gender
Age Groups
Marital Status
Language
Educational Level
Educational Degree
Employee Job Class
Race
Ethnicity
Religion
Relationship (Next of Kin)
Zip Codes
County Codes
City Codes
Metropolitan Area Codes
Country Codes
Country Subdivision Codes
United States State Codes
Telecommunication Equipment Type Code

PHIN Vocabulary Domain Name :Name Prefix

PHIN Vocabulary Domain Code : NamePrefix

PHIN Vocabulary Domain ID :211

PHIN Vocabulary Domain Definition : List of codes for Name Prefix.

PHIN Vocabulary Domain Keywords : Person Name Prefix, P_NM_PFX

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status: Pending.

PHIN Comments: Since HL7 Data type for Name Prefix is "ST" (String), list of Name prefixes may have an internal CDC coding system adopted from NEDSS based system SRT "P_NM_PFX" (HL7 oid = 2.16.840.1.114222)

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: See the demographics domain comments.

Recommended Code System : Pending. May adopt CDC Code System (NBS)

Recommended Code System Version: N/A

Recommended Code System Reference ID :N/A

Recommended Code System Hyperlink : N/A

Recommended Code System Concept Enumeration: complete (This is presented for illustrative purposes only)

Brother

Bishop

Cardinal

Doctor/Dr.

Father

Honorable

Miss

Monsignor

Mother

Mr.

Mrs.

Ms.

Pastor

Professor

Rabbi

Reverend

Sister

Swami

PHIN Vocabulary Domain Name :Name Suffix

PHIN Vocabulary Domain Code : NameSuffix

PHIN Vocabulary Domain ID :211

PHIN Vocabulary Domain Definition : List of codes for Name suffix.

PHIN Vocabulary Domain Keywords : Person Name Prefix, P_NM_SFX

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status: Pending.

PHIN Comments: Since HL7 Data type for Name Suffix is "ST" (String), list of Name suffixes may have an internal CDC coding system adopted from NEDSS based system SRT "P_NM_SFX"

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: See the demographics domain comments.

Recommended Code System : Pending. May adopt CDC Code System (NBS)

Recommended Code System Version: N/A

Recommended Code System Reference ID :N/A

Recommended Code System Hyperlink : N/A

Recommended Code System Concept Enumeration: complete (This is presented for illustrative purposes only)

Esquire

II / The Second

III / The Third

IV / The Fourth

Jr.

Sr.

V / The Fifth

PHIN Vocabulary Domain Name :Name Type
PHIN Vocabulary Domain Code : NameType
PHIN Vocabulary Domain ID :211
PHIN Vocabulary Domain Definition : A code that represents the type of name.
PHIN Vocabulary Domain Keywords : Person Name Type
Date Created :04/25/2005
Date Revised :04/25/2005
Code System Identification Status: Complete
PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:
http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc
Consolidative Health Informatics (CHI) Domain Comments: See the demographics domain comments.

Recommended Code System : HL7
Recommended Code System Version: Version 2.5
Recommended Code System Reference ID : Chapter 2A, Section 2.A.88.7, HL7 Table 0200
Recommended Code System Hyperlink :
 (1) Download all balloted chapters of HL7 version 2.5 in word document (doc) format:
https://www.hl7.org/memonly/v25/membership2/v25_completenesspackage_wordformat.zip
 (2) Download all balloted chapters of HL7 version 2.5 in PDF format:
https://www.hl7.org/memonly/v25/membership2/v25_completenesspackage_pdfformat.zip
 (3) Download Individual Chapters of HL7 Version 2.5 in word / pdf format:
<https://www.hl7.org/memonly/v25/membership2/index.cfm>

Recommended Code System Concept Enumeration: complete (This is presented for illustrative purposes only)

HL7 Table 0200 - Name type

Value	Description	Comment
A	Alias Name	
B	Name at Birth	
C	Adopted Name	
D	Display Name	
I	Licensing Name	
L	Legal Name	
M	Maiden Name	
N	Nickname /_Call me_ Name/Street Name	
P	Name of Partner/Spouse (retained for backward compatibility only)	
R	Registered Name (animals only)	

S Coded Pseudo-Name to ensure anonymity

T Indigenous/Tribal/Community Name

U Unspecified

Note: The content of Legal Name is country specific. In the US the legal name is the same as the current married name.

PHIN Vocabulary Domain Name :Address Type
PHIN Vocabulary Domain Code : AddressType
PHIN Vocabulary Domain ID :212
PHIN Vocabulary Domain Definition : A code that represents the type of address.
PHIN Vocabulary Domain Keywords : Person Address Type
Date Created :04/25/2005
Date Revised :04/25/2005
Code System Identification Status: Complete
PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:
http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc
Consolidative Health Informatics (CHI) Domain Comments: See the demographics domain comments.

Recommended Code System : HL7
Recommended Code System Version: Version 2.5
Recommended Code System Reference ID : Chapter 2A, Section 2.A.1.7, HL7 Table 0190
Recommended Code System Hyperlink :

(1) Download all balloted chapters of HL7 version 2.5 in word document (doc) format:
https://www.hl7.org/memonly/v25/membership2/v25_completenesspackage_wordformat.zip

(2) Download all balloted chapters of HL7 version 2.5 in PDF format:
https://www.hl7.org/memonly/v25/membership2/v25_completenesspackage_pdfformat.zip

(3) Download Individual Chapters of HL7 Version 2.5 in word / pdf format:
<https://www.hl7.org/memonly/v25/membership2/index.cfm>

Recommended Code System Concept Enumeration: complete (This is presented for illustrative purposes only)

HL7 Table 0190 - Address type

Value	Description	Comment
BA	Bad address	
N	Birth (nee) (birth address, not otherwise specified)	
BDL	Birth delivery location (address where birth occurred)	
F	Country Of Origin	
C	Current Or Temporary	
B	Firm/Business	
H	Home	
L	Legal Address	
M	Mailing	

O Office

P Permanent

RH Registry home. Refers to the information system, typically managed by a public health agency, that stores patient information such as immunization histories or cancer data, regardless of where the patient obtains services.

BR Residence at birth (home address at time of birth)

PHIN Vocabulary Domain Name : Gender
PHIN Vocabulary Domain Code : AdministrativeGender
PHIN Vocabulary Domain ID :2
PHIN Vocabulary Domain Definition : List of codes representing the gender (for administrative purposes).
PHIN Vocabulary Domain Keywords : Gender, Sex, Administrative Sex
Date Created :04/25/2005
Date Revised :04/25/2005
Code System Identification Status:Complete
PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:
http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc
Consolidative Health Informatics (CHI) Domain Comments: See the demographics domain comments.

Recommended Code System : HL7
Recommended Code System Version: Version 3, HL7 RIM Version 2.04
Recommended Code System Reference ID : AdministrativeGender
Recommended Code System Hyperlink :
<http://www.hl7.org/Library/data-model/RIM/C30204/AdministrativeGender.htm>
Recommended Code System Concept Enumeration: Complete (This is presented for illustrative purposes only)

Lvl	Type, Domain name and/or Mnemonic code	Concept ID	Mnemonic	Print Name	Definition/Description
1	L: (F)	10174	F	Female	Female
1	L: (M)	10173	M	Male	Male
1	L: (UN)	17718	UN	Undifferentiated	The gender of a person could not be uniquely defined as male or female, such as hermaphrodite.

PHIN Vocabulary Domain Name : Age Groups

PHIN Vocabulary Domain Code : AgeGroups

PHIN Vocabulary Domain ID :2

PHIN Vocabulary Domain Definition : List of codes representing the age groups.

PHIN Vocabulary Domain Keywords : Age Group, Demographic Age Group, Age Grouping

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments: Refer to the MeSH and use the Unique ID as the code as the Tree Number could change as it is a hierarchical node number.

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: See the demographics domain comments.

Recommended Code System : MeSH

Recommended Code System Version: Version 3, HL7 RIM Version 2.04

Recommended Code System Reference ID : Unique ID:D009273,

Treenunder:M01.060

Recommended Code System Hyperlink :

http://www.nlm.nih.gov/cgi/mesh/2005/MB_cgi?mode=&term=Age+Groups&field=entry#TreeM01.060

Recommended Code System Concept Enumeration : Complete (This is presented for illustrative purposes only)

Age Groups [M01.060]

Adolescent [M01.060.057]

Adult [M01.060.116]

 Aged [M01.060.116.100]

Aged, 80 and over [M01.060.116.100.080]

 Frail Elderly [M01.060.116.100.540]

Middle Aged [M01.060.116.630]

Child [M01.060.406]

 Child, Preschool [M01.060.406.448]

Infant [M01.060.703]

 Infant, Newborn [M01.060.703.520]

 Infant, Low Birth Weight [M01.060.703.520.460]

 Infant, Small for Gestational Age [M01.060.703.520.460.560]

 Infant, Very Low Birth Weight [M01.060.703.520.460.600]

Infant, Postmature [M01.060.703.520.500]

Infant, Premature [M01.060.703.520.520]

PHIN Vocabulary Domain Name : Marital Status
PHIN Vocabulary Domain Code : MaritalStatus
PHIN Vocabulary Domain ID : 2
PHIN Vocabulary Domain Definition : List of codes representing the status of marriage.
PHIN Vocabulary Domain Keywords : Marriage Status, Status of Marriage
Date Created : 04/25/2005
Date Revised : 04/25/2005
Code System Identification Status: Complete
PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:
http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc
Consolidative Health Informatics (CHI) Domain Comments: see the demographics comments

Recommended Code System : HL7
Recommended Code System Version: Version 3, HL7 RIM Version 2.04
Recommended Code System Reference ID : MaritalStatus
Recommended Code System Hyperlink :
<http://www.hl7.org/Library/data-model/RIM/C30204/MaritalStatus.htm>
Recommended Code System Concept Enumeration: Complete (This is presented for illustrative purposes only)

Lvl	Type, Domain name and/or Mnemonic code	Concept ID	Mnemonic c	Print Name	Definition/Description
1	A: MaritalStat usUB92	V15929			The marital status of the patient at date of admission, outpatient service or start of care. Values such as: single married, Life Partner, Legally Separated, Divorced, Widowed, Unknown. Form Locator 16 in the NUBC document. This is to be used only in situations where regulations require the use of NUBC marital status codes.
1	L: (A)	12213	A	Annulled	Marriage contract has been declared null and to not have existed
1	L: (D)	12214	D	Divorced	Marriage contract has been declared dissolved and inactive
1	L: (I)	12215	I	Interlocutory	Subject to an Interlocutory Decree.
1	L: (L)	12216	L	Legally Separated	

1	L: (M)	12217	M	Married	A current marriage contract is active
1	L: (P)	12220	P	Polygamous	More than 1 current spouse
1	L: (S)	12218	S	Never Married	No marriage contract has ever been entered
1	L: (T)	15981	T	Domestic partner	Person declares that a domestic partner relationship exists.
1	L: (W)	12219	W	Widowed	The spouse has died

PHIN Vocabulary Domain Name :Language

PHIN Vocabulary Domain Code : Language

PHIN Vocabulary Domain ID :2

PHIN Vocabulary Domain Definition : List of codes representing the language. ISO 639 provides two sets of language codes, one as a two-character code set (639-1) and another as a three-character code set (639-2) for the representation of names of languages.

ISO 639-1, Codes for the representation of names of languages--Part 1: Alpha-2 code, was devised primarily for use in terminology, and includes identifiers for major languages of the world for which specialized terminologies have been developed.

ISO 639-2, Codes for the representation of names of languages--Part 2: Alpha-3 code, was devised primarily for use in bibliographic documentation and terminology. It includes identifiers for all of the languages represented in part 1, as well as for many other languages that have significant bodies of literature. It also provides identifiers for groups of languages, such as language families, that together indirectly cover most or all languages of the world.

PHIN Vocabulary Domain Keywords : Languages,

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: see the demographics comments

Recommended Code System : ISO

Recommended Code System Version: ISO 639-2

Recommended Code System Reference ID : N/A

Recommended Code System Hyperlink :

<http://www.loc.gov/standards/iso639-2/englangn.html>

Recommended Code System Concept Enumeration: Complete (This is presented for illustrative purposes only)

Codes for the Representation of Names of Languages

**Alpha-3 codes arranged alphabetically by
English name of language**

Table of Contents

[A-B](#) -- Abkhazian to Burmese

[M-N](#) -- Macedonian to Nzima

[C-D](#) -- Caddo to Dzongkha

[O-P](#) -- Occitan (post 1500) to Pushto

[E-F](#) -- Efik to Fulah

[Q-R](#) -- Quechua to Russian

[G-H](#) -- Ga to Hupa

[S-T](#) -- Salishan languages to Twi

[I-J](#) -- Iban to Judeo-Persian

[U-Z](#) -- Udmurt to Zuni

[K-L](#) -- Kabardian to Lushai

ISO 639-2 is the alpha-3 code. Where two codes are provided (22 languages total) the bibliographic code is given first and the terminology code is given second.

ISO 639-1 is the alpha-2 code. Multiple codes for the same language are to be considered synonyms.

A-B

Language Name (English)	Language Name (French)	639-2	639-1
Abkhazian	abkhaze	abk	ab
Achinese	aceh	ace	
Acoli	acoli	ach	
Adangme	adangme	ada	
Adygei; Adyghe	adyghé	ady	
Adyghe; Adygei	adygh	ady	
Afar	afar	aar	aa
Afrihili	afrihili	afh	
Afrikaans	afrikaans	afz	af
Afro-Asiatic (Other)	afro-asiatiques, autres langues	afa	
Akan	akan	aka	ak
Akkadian	akkadien	akk	
Albanian	albanais	alb/sqi*	sq
Aleut	aléoute	ale	
Algonquian languages	algonquines, langues	alg	

Altaic (Other)	altaïques, autres langues	tut	
Amharic	amharique	amh	am
Apache languages	apache	apa	
Arabic	arabe	ara	ar
Aragonese	aragonais	arg	an
Aramaic	araméen	arc	
Arapaho	arapaho	arp	
Araucanian	araucan	arn	
Arawak	arawak	arw	
Armenian	arménien	arm/hye * —	hy
Artificial (Other)	artificielles, autres langues	art	
Assamese	assamais	asm	as
Asturian; Bable	asturien; bable	ast	
Athapascan languages	athapascanes, langues	ath	
Australian languages	australiennes, langues	aus	
Austronesian (Other)	malayo-polynésiennes, autres langues	map	
Avaric	avar	ava	av
Avestan	avestique	ave	ae
Awadhi	awadhi	awa	
Aymara	aymara	aym	ay
Azerbaijani	azéri	aze	az
Bable; Asturian	bable; asturien	ast	
Balinese	balinais	ban	
Baltic (Other)	baltiques, autres langues	bat	
Baluchi	baloutchi	bal	
Bambara	bambara	bam	bm
Bamileke languages	bamilékés, langues	bai	
Banda	banda	bad	
Bantu (Other)	bantoues, autres langues	bnt	

Basa	basa	bas
Bashkir	bachkir	bak ba
Basque	basque	baq/eus * eu
Batak (Indonesia)	batak (Indonésie)	btk
Beja	bedja	bej
Belarusian	biélorusse	bel be
Bemba	bemba	bem
Bengali	bengali	ben bn
Berber (Other)	berbères, autres langues	ber
Bhojpuri	bhojpuri	bho
Bihari	bihari	bih bh
Bikol	bikol	bik
Bilin; Blin	bilen; blin	byn
Bini	bini	bin
Bislama	bichlamar	bis bi
Blin; Bilin	blin; bilen	byn
Bokmål, Norwegian; Norwegian Bokmål	bokmål, norvégien; bokmål norvégien	nob nb
Bosnian	bosniaque	bos bs
Braj	braj	bra
Breton	breton	bre br
Buginese	bugi	bug
Bulgarian	bulgare	bul bg
Buriat	bouriate	bua
Burmese	birman	bur/my a* my

[Go to the top](#)

C-D

Language Name
(English)

Language Name
(French)

639-2 639-1

Caddo	caddo	cad	
Carib	caribe	car	
Castilian; Spanish	castillan; espagnol	spa	es
Catalan; Valencian	catalan; valencien	cat	ca
Caucasian (Other)	caucasiennes, autres langues	cau	
Cebuano	cebuano	ceb	
Celtic (Other)	celtiques, autres langues	cel	
Central American Indian (Other)	indiennes d'Amérique centrale, autres langues	cai	
Chagatai	djaghataï	chg	
Chamic languages	chames, langues	cmc	
Chamorro	chamorro	cha	ch
Chechen	tchéchéne	che	ce
Cherokee	cherokee	chr	
Chewa; Chichewa; Nyanja	chewa, chichewa, nyanja	nya	ny
Cheyenne	cheyenne	chy	
Chibcha	chibcha	chb	
Chichewa; Chewa; Nyanja	chichewa; chewa; nyanja	nya	ny
Chinese	chinois	chi/zho	zh
		*	
		—	
Chinook jargon	chinook, jargon	chn	
Chipewyan	chipewyan	chp	
Choctaw	choctaw	cho	
Chuang; Zhuang	chuang; zhuang	zha	za
Church Slavic; Slavonic; Church Slavonic; Old Bulgarian; Old Church Slavonic	slavon d'église; vieux slave; slavon liturgique; vieux bulgare	chu	cu
Church Slavonic; Church Slavic; Old Slavonic; Old Bulgarian; Old Church Slavonic	slavon liturgique; slavon d'église; vieux slave; vieux bulgare	chu	cu
Chuukese	chuuk	chk	
Chuvash	tchouvache	chv	cv

Classical Nepal Bhasa; Classical Newari; Old Newari	newari classique	nwc	
Classical Newari; Old Newari; Classical Nepal Bhasa	newari classique	nwc	
Coptic	copte	cop	
Cornish	cornique	cor	kw
Corsican	corse	cos	co
Cree	cree	cre	cr
Creek	muskogee	mus	
Creoles and pidgins (Other)	créoles et pidgins divers	crp	
Creoles and pidgins, English-based (Other)	créoles et pidgins anglais, autres	cpe	
Creoles and pidgins, French-based (Other)	créoles et pidgins français, autres	cpf	
Creoles and pidgins, Portuguese-based (Other)	créoles et pidgins portugais, autres	cpp	
Crimean Tatar; Crimean Turkish	tatar de Crimé	crh	
Crimean Turkish; Crimean Tatar	tatar de Crimé	crh	
Croatian	croate	scr/hrv *	hr
Cushitic (Other)	couchitiques, autres langues	cus	
Czech	tchèque	cze/ces *	cs
Dakota	dakota	dak	
Danish	danois	dan	da
Dargwa	dargwa	dar	
Dayak	dayak	day	
Delaware	delaware	del	
Dinka	dinka	din	
Divehi	maldivien	div	dv
Dogri	dogri	doi	
Dogrib	dogrib	dgr	
Dravidian (Other)	dravidiennes, autres langues	dra	

Duala	douala	dua
Dutch; Flemish	néerlandais; flamand	dut/nld * nl
Dutch, Middle (ca. 1050-1350)	néerlandais moyen (ca. 1050-1350)	dum
Dyula	dioula	dyu
Dzongkha	dzongkha	dzo dz

[Go to the top](#)

E-F

Language Name (English)	Language Name (French)	639-2	639-1
Efik	efik	efi	
Egyptian (Ancient)	égyptien	egy	
Ekajuk	ekajuk	eka	
Elamite	élamite	elx	
English	anglais	eng	en
English, Middle (1100-1500)	anglais moyen (1100-1500)	enm	
English, Old (ca.450-1100)	anglo-saxon (ca.450-1100)	ang	
Erzya	erza	myv	
Esperanto	espéranto	epo	eo
Estonian	estonien	est	et
Ewe	éwé	ewe	ee
Ewondo	éwondo	ewo	
Fang	fang	fan	
Fanti	fanti	fat	
Faroese	féroien	fao	fo
Fijian	fidjien	fij	fj
Filipino; Pilipino	filipino; pilipino	fil	
Finnish	finnois	fin	fi
Finno-Ugrian (Other)	finno-ougriennes, autres langues	fiu	

Flemish; Dutch	flamand; néerlandais	dut/nld * —	nl
Fon	fon	fon	
French	français	fre/fra* —	fr
French, Middle (ca.1400-1600)	français moyen (1400-1600)	fm	
French, Old (842-ca.1400)	français ancien (842-ca.1400)	fro	
Frisian	frison	fy	fy
Friulian	frioulan	fur	
Fulah	peul	ful	ff

[Go to the top](#)

G-H

Language Name (English)	Language Name (French)	639-2	639-1
Ga	ga	gaa	
Gaelic; Scottish Gaelic	gaélique; gaélique écossais	gla	gd
Gallegan	galicien	glg	gl
Ganda	ganda	lug	lg
Gayo	gayo	gay	
Gbaya	gbaya	gba	
Geez	guèze	gez	
Georgian	géorgien	geo/kat * —	ka
German	allemand	ger/deu * —	de
German, Low; Saxon, Low; Low German; Low Saxon	allemand, bas; saxon, bas; bas allemand; bas saxon	nds	
German, Middle High (ca.1050-1500)	allemand, moyen haut (ca. 1050-1500)	gmh	
German, Old High (ca.750-1050)	allemand, vieux haut (ca. 750-1050)	goh	
Germanic (Other)	germaniques, autres langues	gem	
Gikuyu; Kikuyu	kikuyu	kik	ki
Gilbertese	kiribati	gil	

Gondi	gond	gon
Gorontalo	gorontalo	gor
Gothic	gothique	got
Grebo	grebo	grb
Greek, Ancient (to 1453)	grec ancien (jusqu'à 1453)	grc
Greek, Modern (1453-)	grec moderne (après 1453)	gre/ell* <u>el</u>
Greenlandic; Kalaallisut	groenlandais	kal kl
Guarani	guarani	gm gn
Gujarati	goudjrati	guj gu
Gwich'in	gwich'in	gwi
Haida	haida	hai
Haitian; Haitian Creole	haïtien; créole haïtien	hat ht
Haitian Creole; Haitian	créole haïtien; haïtien	hat ht
Hausa	haoussa	hau ha
Hawaiian	hawaiien	haw
Hebrew	hébreu	heb he
Herero	herero	her hz
Hiligaynon	hiligaynon	hil
Himachali	himachali	him
Hindi	hindi	hin hi
Hiri Motu	hiri motu	hmo ho
Hittite	hittite	hit
Hmong	hmong	hmn
Hungarian	hongrois	hun hu
Hupa	hupa	hup

[Go to the top](#)

I-J

Language Name (English)	Language Name (French)	639-2	639-1
Iban	iban	iba	

Icelandic	islandais	ice/isl*	is
Ido	ido	ido	io
Igbo	igbo	ibo	ig
Ijo	ijo	ijo	
Iloko	ilocano	ilo	
Inari Sami	sami d'Inari	smn	
Indic (Other)	indo-aryennes, autres langues	inc	
Indo-European (Other)	indo-européennes, autres langues	ine	
Indonesian	indonésien	ind	id
Ingush	ingouche	inh	
Interlingua (International Auxiliary Language Association)	interlingua (langue auxiliaire internationale)	ina	ia
Interlingue	interlingue	ile	ie
Inuktitut	inuktitut	iku	iu
Inupiaq	inupiaq	ipk	ik
Iranian (Other)	iraniennes, autres langues	ira	
Irish	irlandais	gle	ga
Irish, Middle (900-1200)	irlandais moyen (900-1200)	mga	
Irish, Old (to 900)	irlandais ancien (jusqu'à 900)	sga	
Iroquoian languages	iroquoises, langues (famille)	iro	
Italian	italien	ita	it
Japanese	japonais	jpn	ja
Javanese	javanais	jav	ju
Judeo-Arabic	judéo-arabe	jrb	
Judeo-Persian	judéo-persan	jpr	

[Go to the top](#)

K-L

Language Name (English)	Language Name (French)	639-2	639-1
Kabardian	kabardien	kbd	

Kabyle	kabyle	kab	
Kachin	kachin	kac	
Kalaallisut; Greenlandic	groenlandais	kal	kl
Kalmyk	kalmouk	xal	
Kamba	kamba	kam	
Kannada	kannada	kan	kn
Kanuri	kanouri	kau	kr
Karachay-Balkar	karatchaï balkar	krc	
Kara-Kalpak	karakalpak	kaa	
Karen	karen	kar	
Kashmiri	kashmiri	kas	ks
Kashubian	kachoube	csb	
Kawi	kawi	kaw	
Kazakh	kazakh	kaz	kk
Khasi	khasi	kha	
Khmer	khmer	khm	km
Khoisan (Other)	khoisan, autres langues	khi	
Khotanese	khotanais	kho	
Kikuyu; Gikuyu	kikuyu	kik	ki
Kimbundu	kimbundu	kmb	
Kinyarwanda	rwanda	kin	rw
Kirghiz	kirghize	kir	ky
Klingon; tlhIngan-Hol	klington	tlh	
Komi	komi	kom	kv
Kongo	kongo	kon	kg
Konkani	konkani	kok	
Korean	coréen	kor	ko
Kosraean	kosrae	kos	
Kpelle	kpellé	kpe	
Kru	krou	kro	

Kuanyama; Kwanyama	kuanyama; kwanyama	kua	kj
Kumyk	koumyk	kum	
Kurdish	kurde	kur	ku
Kurukh	kurukh	kru	
Kutenai	kutenai	kut	
Kwanyama, Kuanyama	kwanyama; kuanyama	kua	kj
Ladino	judéo-espagnol	lad	
Lahnda	lahnda	lah	
Lamba	lamba	lam	
Lao	lao	lao	lo
Latin	latin	lat	la
Latvian	letton	lav	lv
Letzeburgesch; Luxembourgish	luxembourgeois	ltz	lb
Lezghian	lezghien	lez	
Limburgan; Limburger; Limburgish	limbourgeois	lim	li
Limburger; Limburgan; Limburgish;	limbourgeois	lim	li
Limburgish; Limburger; Limburgan	limbourgeois	lim	li
Lingala	lingala	lin	ln
Lithuanian	lituanien	lit	lt
Lojban	lojban	jbo	
Low German; Low Saxon; German, Low; Saxon, Low	bas allemand; bas saxon; allemand, bas; saxon, bas	nds	
Low Saxon; Low German; Saxon, Low; German, Low	bas saxon; bas allemand; saxon, bas; allemand, bas	nds	
Lower Sorbian	bas-sorabe	dsb	
Lozi	lozi	loz	
Luba-Katanga	luba-katanga	lub	lu
Luba-Lulua	luba-lulua	lua	
Luiseno	luiseno	lui	
Lule Sami	sami de Lule	smj	
Lunda	lunda	lun	

Luo (Kenya and Tanzania)	luo (Kenya et Tanzanie)	luo
Lushai	lushai	lus
Luxembourgish; Letzeburgesch	luxembourgeois	ltz lb

[Go to the top](#)

M-N

Language Name (English)	Language Name (French)	639-2	639-1
Macedonian	macédonien	mac/m kd*	mk
Madurese	madourais	mad	
Magahi	magahi	mag	
Maithili	maithili	mai	
Makasar	makassar	mak	
Malagasy	malgache	mlg	mg
Malay	malais	may/ms a*	ms
Malayalam	malayalam	mal	ml
Maltese	maltais	mlt	mt
Manchu	mandchou	mnc	
Mandar	mandar	mdr	
Mandingo	mandingue	man	
Manipuri	manipuri	mni	
Manobo languages	manobo, langues	mno	
Manx	manx; mannois	glv	gv
Maori	maori	mao/mr i*	mi
Marathi	marathe	mar	mr
Mari	mari	chm	
Marshallese	marshall	mah	mh
Marwari	marvari	mwr	
Masai	massai	mas	

Mayan languages	maya, langues	myn	
Mende	mendé	men	
Micmac; Mi'kmaq	micmac; mi'kmaq	mic	
Mi'kmaq; Micmac	mi'kmaq; micmac	mic	
Minangkabau	minangkabau	min	
Mirandese	mirandais	mwl	
Miscellaneous languages	diverses, langues	mis	
Mohawk	mohawk	moh	
Moksha	moksa	mdf	
Moldavian	moldave	mol	mo
Mon-Khmer (Other)	môn-khmer, autres langues	mkh	
Mongo	mongo	lol	
Mongolian	mongol	mon	mn
Mossi	moré	mos	
Multiple languages	multilingue	mul	
Munda languages	mounda, langues	mun	
Nahuatl	nahuatl	nah	
Nauru	nauruan	nau	na
Navaho, Navajo	navaho	nav	nv
Navajo; Navaho	navaho	nav	nv
Ndebele, North	ndébéélé du Nord	nde	nd
Ndebele, South	ndébéélé du Sud	nbl	nr
Ndonga	ndonga	ndo	ng
Neapolitan	napolitain	nap	
Nepal Bhasa; Newari	nepal bhasa; newari	new	
Nepali	népalais	nep	ne
Newari; Nepal Bhasa	newari; nepal bhasa	new	
Nias	nias	nia	
Niger-Kordofanian (Other)	nigéro-congolaises, autres langues	nic	
Nilo-Saharan (Other)	nilo-sahariennes, autres langues	ssa	

Niuean	niué	niu	
Nogai	nogai; nogay	nog	
Norse, Old	norrois, vieux	non	
North American Indian (Other)	indiennes d'Amérique du Nord, autres langues	nai	
Northern Sami	sami du Nord	sme	se
Northern Sotho; Pedi; Sepedi	sotho du Nord; pedi; sepedi	nso	
North Ndebele	ndébélé du Nord	nde	nd
Norwegian	norvégien	nor	no
Norwegian Bokmål; Bokmål, Norwegian	norvégien bokmål; bokmål, norvégien	nob	nb
Norwegian Nynorsk; Nynorsk, Norwegian	norvégien nynorsk; nynorsk, norvégien	nno	nn
Nubian languages	nubiennes, langues	nub	
Nyamwezi	nyamwezi	nym	
Nyanja; Chichewa; Chewa	nyanja; chichewa; chewa	nya	ny
Nyankole	nyankolé	nyn	
Nynorsk, Norwegian; Norwegian Nynorsk	nynorsk, norvégien; norvégien nynorsk	nno	nn
Nyoro	nyoro	nyo	
Nzima	nzema	nzi	

[Go to the top](#)

O-P

Language Name (English)	Language Name (French)	639-2	639-1
Occitan (post 1500); Provençal	occitan (après 1500); provençal	oci	oc
Ojibwa	ojibwa	oji	oj
Old Bulgarian; Old Slavonic; Church Slavonic; Church Slavic; Old Church Slavonic	vieux bulgare; vieux slave; slavon liturgique; slavon d'église	chu	cu
Old Church Slavonic; Old Slavonic; Church Slavonic; Old Bulgarian; Church Slavic	vieux slave; slavon liturgique; vieux bulgare; slavon d'église	chu	cu
Old Newari; Classical Newari; Classical Nepal Bhasa	newari classique	nwc	

Old Slavonic; Church Slavonic; Old Bulgarian; Church Slavic; Old Church Slavonic	vieux slave; slavon liturgique; vieux bulgare; slavon d'église	chu	cu
Oriya	oriya	ori	or
Oromo	galla	orm	om
Osage	osage	osa	
Ossetian; Ossetic	ossète	oss	os
Ossetic; Ossetian	ossète	oss	os
Otomian languages	otomangue, langues	oto	
Pahlavi	pahlavi	pal	
Palauan	palau	pau	
Pali	pali	pli	pi
Pampanga	pampangang	pam	
Pangasinan	pangasinan	pag	
Panjabi; Punjabi	pendjabi	pan	pa
Papiamentu	papiamentu	pap	
Papuan (Other)	papoues, autres langues	paa	
Pedi; Sepedi; Northern Sotho	pedi; sepedi; sotho du Nord	nso	
Persian	persan	per/fas *	fa
Persian, Old (ca.600-400 B.C.)	perse, vieux (ca. 600-400 av. J.-C.)	peo	
Philippine (Other)	philippines, autres langues	phi	
Phoenician	phénicien	phn	
Pilipino; Filipino	pilipino; filipino	fil	
Pohnpeian	pohnpei	pon	
Polish	polonais	pol	pl
Portuguese	portugais	por	pt
Prakrit languages	prâkrit	pra	
Provençal; Occitan (post 1500)	provençal; occitan (après 1500)	oci	oc
Provençal, Old (to 1500)	provençal ancien (jusqu'à 1500)	pro	
Punjabi; Panjabi	pendjabi	pan	pa

Pushto pachto pus ps

[Go to the top](#)

Q-R

Language Name (English)	Language Name (French)	639-2	639-1
Quechua	quechua	que	qu
Raeto-Romance	rhéto-roman	roh	rm
Rajasthani	rajasthani	raj	
Rapanui	rapanui	rap	
Rarotongan	rarotonga	rar	
Reserved for local use	réservée à l'usage local	qaa-qtz	
Romance (Other)	romanes, autres langues	roa	
Romanian	roumain	rum/ron *	ro
Romany	tsigane	rom	
Rundi	rundi	run	m
Russian	russe	rus	ru

[Go to the top](#)

S-T

Language Name (English)	Language Name (French)	639-2	639-1
Salishan languages	salish, langues	sal	
Samaritan Aramaic	samaritain	sam	
Sami languages (Other)	sami, autres langues	smi	
Samoan	samoan	smo	sm
Sandawe	sandawe	sad	
Sango	sango	sag	sg
Sanskrit	sanskrit	san	sa
Santali	santal	sat	
Sardinian	sarde	srd	sc

Sasak	sasak	sas	
Saxon, Low; German, Low; Low Saxon; Low German	saxon, bas; allemand, bas; bas saxon; bas allemand	nds	
Scots	écossais	sco	
Scottish Gaelic; Gaelic	gaélique écossais; gaélique	gla	gd
Selkup	selkoupe	sel	
Semitic (Other)	sémitiques, autres langues	sem	
Sepedi; Northern Sotho; Pedi	sepedi; sotho du Nord; pedi	nso	
Serbian	serbe	scc/srp	sr
		*	
		—	
Serer	sérère	srr	
Shan	chan	shn	
Shona	shona	sna	sn
Sichuan Yi	yi de Sichuan	iii	ii
Sicilian	sicilien	scn	
Sidamo	sidamo	sid	
Sign languages	langues des signes	sgn	
Siksika	blackfoot	bla	
Sindhi	sindhi	snd	sd
Sinhala; Sinhalese	singhalais	sin	si
Sinhalese; Sinhala	singhalais	sin	si
Sino-Tibetan (Other)	sino-tibétaines, autres langues	sit	
Siouan languages	sioux, langues	sio	
Skolt Sami	sami skolt	sms	
Slave (Athapaskan)	esclave (athapaskan)	den	
Slavic (Other)	slaves, autres langues	sla	
Slovak	slovaque	slo/slk	*sk
Slovenian	slovène	slv	sl
Sogdian	sogdien	sog	
Somali	somali	som	so
Songhai	songhai	son	

Soninke	soninké	snk	
Sorbian languages	sorabes, langues	wen	
Sotho, Northern; Pedi; Sepedi	sotho du Nord; pedi; sepedi	nso	
Sotho, Southern	sotho du Sud	sot	st
South American Indian (Other)	indiennes d'Amérique du Sud, autres langues	sai	
Southern Sami	sami du Sud	sma	
South Ndebele	ndébélé du Sud	nbl	nr
Spanish; Castilian	espagnol; castillan	spa	es
Sukuma	sukuma	suk	
Sumerian	sumérien	sux	
Sundanese	soundanais	sun	su
Susu	soussou	sus	
Swahili	swahili	swa	sw
Swati	swati	ssw	ss
Swedish	suédois	swe	sv
Syriac	syriaque	syr	
Tagalog	tagalog	tgl	tl
Tahitian	tahitien	tah	ty
Tai (Other)	thaïes, autres langues	tai	
Tajik	tadjik	tgk	tg
Tamashek	tamacheq	tmh	
Tamil	tamoul	tam	ta
Tatar	tatar	tat	tt
Telugu	télougou	tel	te
Terenó	tereno	ter	
Tetum	tetum	tet	
Thai	thaï	tha	th
Tibetan	tibétain	tib/bod *	bo
Tigre	tigré	— tig	

Tigrinya	tigrigna	tir	ti
Timne	temne	tem	
Tiv	tiv	tiv	
tlhIngan-Hol; Klingon	klington	tlh	
Tlingit	tingit	tli	
Tok Pisin	tok pisin	tpi	
Tokelau	tokelau	tkl	
Tonga (Nyasa)	tonga (Nyasa)	tog	
Tonga (Tonga Islands)	tongan (Îles Tonga)	ton	to
Tsimshian	tsimshian	tsi	
Tsonga	tsonga	tso	ts
Tswana	tswana	tsn	tn
Tumbuka	tumbuka	tum	
Tupi languages	tupi, langues	tup	
Turkish	turc	tur	tr
Turkish, Ottoman (1500-1928)	turc ottoman (1500-1928)	ota	
Turkmen	turkmène	tuk	tk
Tuvalu	tuvalu	tvl	
Tuvinian	touva	tyv	
Twi	twi	twi	tw

[Go to the top](#)

U-Z

Language Name (English)	Language Name (French)	639-2	639-1
Udmurt	oudmourte	udm	
Ugaritic	ougaritique	uga	
Uighur; Uyghur	ouïgour	uig	ug
Ukrainian	ukrainien	ukr	uk
Umbundu	umbundu	umb	
Undetermined	indéterminée	und	

Upper Sorbian	haut-sorabe	hsb	
Urdu	ourdou	urd	ur
Uyghur; Uighur	ouïgour	uig	ug
Uzbek	ouszbek	uzb	uz
Vai	vai	vai	
Valencian; Catalan	valencien; catalan	cat	ca
Venda	venda	ven	ve
Vietnamese	vietnamien	vie	vi
Volapük	volapük	vol	vo
Votic	vote	vot	
Wakashan languages	wakashennes, langues	wak	
Walamo	walamo	wal	
Walloon	wallon	wln	wa
Waray	waray	war	
Washo	washo	was	
Welsh	gallois	wel/cy m*	cy
Wolof	wolof	wol	wo
Xhosa	xhosa	xho	xh
Yakut	iakoute	sah	
Yao	yao	yao	
Yapese	yapois	yap	
Yiddish	yiddish	yid	yi
Yoruba	yoruba	yor	yo
Yupik languages	yupik, langues	ypk	
Zande	zandé	znd	
Zapotec	zapotèque	zap	
Zenaga	zenaga	zen	
Zhuang; Chuang	zhuang; chuang	zha	za
Zulu	zoulou	zul	zu

Zuni

zuni

zun

PHIN Vocabulary Domain Name : Education Level
PHIN Vocabulary Domain Code : EducationLevel
PHIN Vocabulary Domain ID :2
PHIN Vocabulary Domain Definition : List of codes representing the level of education.
PHIN Vocabulary Domain Keywords : Level of Education, School Educational Level
Date Created :04/25/2005
Date Revised :04/25/2005
Code System Identification Status:Complete
PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:
http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc
Consolidative Health Informatics (CHI) Domain Comments: See the demographics domain comments.

Recommended Code System : HL7
Recommended Code System Version: Version 3, HL7 RIM Version 2.04
Recommended Code System Reference ID : EducationLevel
Recommended Code System Hyperlink :
<http://www.hl7.org/Library/data-model/RIM/C30204/EducationLevel.htm>
Recommended Code System Concept Enumeration: Complete (This is presented for illustrative purposes only)

Lvl	Type, Domain name and/or Mnemonic code	Concept ID	Mnemonic	Print Name	Definition/Description
1	L: (ASSOC)	19180	ASSOC	Associate's or technical degree complete	Associate's or technical degree complete
1	L: (BD)	19181	BD	College or baccalaureate degree complete	College or baccalaureate degree complete
1	L: (ELEM)	19176	ELEM	Elementary School	Elementary School
1	L: (GD)	19183	GD	Graduate or professional Degree complete	Graduate or professional Degree complete
1	L: (HS)	19178	HS	High School or secondary school degree complete	High School or secondary school degree complete
1	L: (PB)	19182	PB	Some post-baccalaureate education	Some post-baccalaureate education

1	L: (POSTG)	19184	POSTG	Doctoral or post graduate education	Doctoral or post graduate education
1	L: (SCOL)	19179	SCOL	Some College education	Some College education
1	L: (SEC)	19177	SEC	Some secondary or high school education	Some secondary or high school education

PHIN Vocabulary Domain Name : **Degree (Education)**

PHIN Vocabulary Domain Code : EducationalDegree

PHIN Vocabulary Domain ID :212

PHIN Vocabulary Domain Definition : List of codes representing the educational degree.

PHIN Vocabulary Domain Keywords : Education Degree, **2.A.88.6 Degree (IS)**

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status: Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: See the demographics domain comments.

Recommended Code System : **HL7**

Recommended Code System Version: **Version 2.5**

Recommended Code System Reference ID : **Chapter 2A, Section 88.6 , HL7 Table 0360**

Recommended Code System Hyperlink :

(1) Download all balloted chapters of HL7 version 2.5 in word document (doc) format:

www.hl7.org/memonly/v25/membership2/v25_completepackage_wordformat.zip

(2) Download all balloted chapters of HL7 version 2.5 in PDF format:

www.hl7.org/memonly/v25/membership2/v25_completepackage_wordformat.zip

www.hl7.org/memonly/v25/membership2/v25_completepackage_wordformat.zip

Recommended Code System Concept Enumeration: **Complete (This is presented for illustrative purposes only)**

2.A.88.6 Degree (IS)

User-defined Table 0360 _ Degree/license/certificate

Value	Description	Comment
PN	Advanced Practice Nurse	
AAS	Associate of Applied Science	
AA	Associate of Arts	
ABA	Associate of Business Administration	
AE	Associate of Engineering	
AS	Associate of Science	
BA	Bachelor of Arts	
BBA	Bachelor of Business Administration	

BE	Bachelor of Engineering
BFA	Bachelor of Fine Arts
BN	Bachelor of Nursing
BS	Bachelor of Science
BSL	Bachelor of Science _ Law
BSN	Bachelor on Science - Nursing
BT	Bachelor of Theology
CER	Certificate
CANP	Certified Adult Nurse Practitioner
CMA	Certified Medical Assistant
CNP	Certified Nurse Practitioner
CNM	Certified Nurse Midwife
CRN	Certified Registered Nurse
CNS	Certified Nurse Specialist
CPNP	Certified Pediatric Nurse Practitioner
DIP	Diploma
DBA	Doctor of Business Administration
DED	Doctor of Education
PharmD	Doctor of Pharmacy
PHE	Doctor of Engineering
PHD	Doctor of Philosophy
PHS	Doctor of Science
MD	Doctor of Medicine
DO	Doctor of Osteopathy
EMT	Emergency Medical Technician
EMTP	Emergency Medical Technician - Paramedic
FPNP	Family Practice Nurse Practitioner
HS	High School Graduate
JD	Juris Doctor
MA	Master of Arts

MBA	Master of Business Administration
MCE	Master of Civil Engineering
MDI	Master of Divinity
MED	Master of Education
MEE	Master of Electrical Engineering
ME	Master of Engineering
MFA	Master of Fine Arts
MME	Master of Mechanical Engineering
MS	Master of Science
MSL	Master of Science _ Law
MSN	Master of Science _ Nursing
MT	Master of Theology
MDA	Medical Assistant
MT	Medical Technician
NG	Non-Graduate
NP	Nurse Practitioner
PA	Physician Assistant
RMA	Registered Medical Assistant
RPH	Registered Pharmacist
SEC	Secretarial Certificate
TS	Trade School Graduate

PHIN Vocabulary Domain Name : Employee Job Class
PHIN Vocabulary Domain Code : EmployeeJobClass
PHIN Vocabulary Domain Definition : List of codes representing the Employee Job Class
PHIN Vocabulary Domain Keywords : Emp. Job Class, Employee Job Class
Date Created :04/25/2005
Date Revised :04/25/2005
Code System Identification Status:Complete
PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:
http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc
Consolidative Health Informatics (CHI) Domain Comments: See the demographics domain comments.

Recommended Code System : HL7
Recommended Code System Version: Version 3, HL7 RIM Version 2.04
Recommended Code System Reference ID : EmployeeJobClass
Recommended Code System Hyperlink :
<http://www.hl7.org/Library/data-model/RIM/C30204/EmployeeJobClass.htm>
Recommended Code System Concept Enumeration: Complete (This is presented for illustrative purposes only)

Lvl	Type, Domain name and/or Mnemonic code	Concept ID	Mnemonic	Print Name	Definition/Description
1	L: (FT)	16037	FT	full-time	Employment in which the employee is expected to work at least a standard work week (defined by the US Bureau of Labor Statistics as 35-44 hours per week)
1	L: (PT)	16038	PT	part-time	Employment in which the employee is expected to work less than a standard work week (defined by the US Bureau of Labor Statistics as 35-44 hours per week)

PHIN Vocabulary Domain Name : Race

PHIN Vocabulary Domain Code : Race

PHIN Vocabulary Domain ID :2

PHIN Vocabulary Domain Definition : List of codes representing the person's race.

PHIN Vocabulary Domain Keywords : CDC Race Code set, Race Detailed, Detailed Race

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments: CDC Race code set is available via PHIN VADS. HL7 uses CDC Race code set. This document has the Race Hierarchy as well as the flat list of the race codes.

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: See the demographics domain comments.

Recommended Code System : CDC REC (CDC Race and Ethnicity Codes)

Recommended Code System Version: Version 1

Recommended Code System Reference ID : Race

Recommended Code System Hyperlink :

<http://www.cdc.gov/PhinVSBrowser/StrutsController.do>

Recommended Code System Concept Enumeration: Complete (This is presented for illustrative purposes only)

Unique Identifier	Concept
1002-5	American Indian or Alaska Native
1004-1	American Indian
1006-6	Abenaki
1008-2	Algonquian
1010-8	Apache
1011-6	Chiricahua
1012-4	Fort Sill Apache
1013-2	Jicarilla Apache
1014-0	Lipan Apache
1015-7	Mescalero Apache
1016-5	Oklahoma Apache
1017-3	Payson Apache
1018-1	San Carlos Apache
1019-9	White Mountain Apache
1021-5	Arapaho
1022-3	Northern Arapaho
1023-1	Southern Arapaho
1024-9	Wind River Arapaho
1026-4	Arikara
1028-0	Assiniboine
1030-6	Assiniboine Sioux

1031-4	Fort Peck Assiniboine Sioux
1033-0	Bannock
1035-5	Blackfeet
1037-1	Brotherton
1039-7	Burt Lake Band
1041-3	Caddo
1042-1	Oklahoma Cado
1044-7	Cahuilla
1045-4	Agua Caliente Cahuilla
1046-2	Augustine
1047-0	Cabazon
1048-8	Los Coyotes
1049-6	Morongo
1050-4	Santa Rosa Cahuilla
1051-2	Torres-Martinez
1053-8	California Tribes
1054-6	Cahto
1055-3	Chimariko
1056-1	Coast Miwok
1057-9	Digger
1058-7	Kawaiisu
1059-5	Kern River
1060-3	Mattole
1061-1	Red Wood
1062-9	Santa Rosa
1063-7	Takelma
1064-5	Wappo
1065-2	Yana
1066-0	Yuki
1068-6	Canadian and Latin American Indian
1069-4	Canadian Indian
1070-2	Central American Indian
1071-0	French American Indian
1072-8	Mexican American Indian
1073-6	South American Indian
1074-4	Spanish American Indian
1076-9	Catawba
1078-5	Cayuse
1080-1	Chehalis
1082-7	Chemakuan
1083-5	Hoh
1084-3	Quileute
1086-8	Chemehuevi
1088-4	Cherokee
1089-2	Cherokee Alabama
1090-0	Cherokees of Northeast Alabama
1091-8	Cherokees of Southeast Alabama
1092-6	Eastern Cherokee
1093-4	Echota Cherokee
1094-2	Etowah Cherokee

1095-9	Northern Cherokee
1096-7	Tuscola
1097-5	United Keetowah Band of Cherokee
1098-3	Western Cherokee
1100-7	Cherokee Shawnee
1102-3	Cheyenne
1103-1	Northern Cheyenne
1104-9	Southern Cheyenne
1106-4	Cheyenne-Arapaho
1108-0	Chickahominy
1109-8	Eastern Chickahominy
1110-6	Western Chickahominy
1112-2	Chickasaw
1114-8	Chinook
1115-5	Clatsop
1116-3	Columbia River Chinook
1117-1	Kathlamet
1118-9	Upper Chinook
1119-7	Wakiakum Chinook
1120-5	Willapa Chinook
1121-3	Wishram
1123-9	Chippewa
1124-7	Bad River
1125-4	Bay Mills Chippewa
1126-2	Bois Forte
1127-0	Burt Lake Chippewa
1128-8	Fond du Lac
1129-6	Grand Portage
1130-4	Grand Traverse Band of Ottawa/Chippewa
1131-2	Keweenaw
1132-0	Lac Courte Oreilles
1133-8	Lac du Flambeau
1134-6	Lac Vieux Desert Chippewa
1135-3	Lake Superior
1136-1	Leech Lake
1137-9	Little Shell Chippewa
1138-7	Mille Lacs
1139-5	Minnesota Chippewa
1140-3	Ontonagon
1141-1	Red Cliff Chippewa
1142-9	Red Lake Chippewa
1143-7	Saginaw Chippewa
1144-5	St. Croix Chippewa
1145-2	Sault Ste. Marie Chippewa
1146-0	Sokoagon Chippewa
1147-8	Turtle Mountain
1148-6	White Earth
1150-2	Chippewa Cree
1151-0	Rocky Boy's Chippewa Cree
1153-6	Chitimacha
1155-1	Choctaw
1156-9	Clifton Choctaw
1157-7	Jena Choctaw
1158-5	Mississippi Choctaw

1159-3	Mowa Band of Choctaw
1160-1	Oklahoma Choctaw
1162-7	Chumash
1163-5	Santa Ynez
1165-0	Clear Lake
1167-6	Coeur D'Alene
1169-2	Coharie
1171-8	Colorado River
1173-4	Colville
1175-9	Comanche
1176-7	Oklahoma Comanche
1178-3	Coos, Lower Umpqua, Siuslaw
1180-9	Coos
1182-5	Coquilles
1184-1	Costanoan
1186-6	Coushatta
1187-4	Alabama Coushatta
1189-0	Cowlitz
1191-6	Cree
1193-2	Creek
1194-0	Alabama Creek
1195-7	Alabama Quassarte
1196-5	Eastern Creek
1197-3	Eastern Muscogee
1198-1	Kialegee
1199-9	Lower Muscogee
1200-5	Machis Lower Creek Indian
1201-3	Poarch Band
1202-1	Principal Creek Indian Nation
1203-9	Star Clan of Muscogee Creeks
1204-7	Thlopthlocco
1205-4	Tuckabachee
1207-0	Croatan
1209-6	Crow
1211-2	Cupeno
1212-0	Agua Caliente
1214-6	Delaware
1215-3	Eastern Delaware
1216-1	Lenni-Lenape
1217-9	Munsee
1218-7	Oklahoma Delaware
1219-5	Rampough Mountain
1220-3	Sand Hill
1222-9	Diegueno

1223-7	Campo
1224-5	Capitan Grande
1225-2	Cuyapaibe
1226-0	La Posta
1227-8	Manzanita
1228-6	Mesa Grande
1229-4	San Pasqual
1230-2	Santa Ysabel
1231-0	Sycuan
1233-6	Eastern Tribes
1234-4	Attacapa
1235-1	Biloxi
1236-9	Georgetown
1237-7	Moor
1238-5	Nansemond
1239-3	Natchez
1240-1	Nausu Waiwash
1241-9	Nipmuc
1242-7	Paugussett
1243-5	Pocomoke Acohonock
1244-3	Southeastern Indians
1245-0	Susquehanock
1246-8	Tunica Biloxi
1247-6	Waccamaw-Siousan
1248-4	Wicomico
1250-0	Esselen
1252-6	Fort Belknap
1254-2	Fort Berthold
1256-7	Fort Mcdowell
1258-3	Fort Hall
1260-9	Gabrieleno
1262-5	Grand Ronde
1264-1	Gros Ventres
1265-8	Atsina
1267-4	Haliwa
1269-0	Hidatsa
1271-6	Hoopa
1272-4	Trinity
1273-2	Whilkut
1275-7	Hoopa Extension
1277-3	Houma
1279-9	Inaja-Cosmit
1281-5	Iowa
1282-3	Iowa of Kansas-Nebraska
1283-1	Iowa of Oklahoma
1285-6	Iroquois
1286-4	Cayuga

1287-2	Mohawk
1288-0	Oneida
1289-8	Onondaga
1290-6	Seneca
1291-4	Seneca Nation
1292-2	Seneca-Cayuga
1293-0	Tonawanda Seneca
1294-8	Tuscarora
1295-5	Wyandotte
1297-1	Juaneno
1299-7	Kalispel
1301-1	Karuk
1303-7	Kaw
1305-2	Kickapoo
1306-0	Oklahoma Kickapoo
1307-8	Texas Kickapoo
1309-4	Kiowa
1310-2	Oklahoma Kiowa
1312-8	Klallam
1313-6	Jamestown
1314-4	Lower Elwha
1315-1	Port Gamble Klallam
1317-7	Klamath
1319-3	Konkow
1321-9	Kootenai
1323-5	Lassik
1325-0	Long Island
1326-8	Matinecock
1327-6	Montauk
1328-4	Poospatuck
1329-2	Setauket
1331-8	Luiseno
1332-6	La Jolla
1333-4	Pala
1334-2	Pauma
1335-9	Pechanga
1336-7	Soboba
1337-5	Twenty-Nine Palms
1338-3	Temecula
1340-9	Lumbee
1342-5	Lummi
1344-1	Maidu
1345-8	Mountain Maidu
1346-6	Nishinam
1348-2	Makah
1350-8	Maliseet

1352-4	Mandan
1354-0	Mattaponi
1356-5	Menominee
1358-1	Miami
1359-9	Illinois Miami
1360-7	Indiana Miami
1361-5	Oklahoma Miami
1363-1	Miccosukee
1365-6	Micmac
1366-4	Aroostook
1368-0	Mission Indians
1370-6	Miwok
1372-2	Modoc
1374-8	Mohegan
1376-3	Mono
1378-9	Nanticoke
1380-5	Narragansett
1382-1	Navajo
1383-9	Alamo Navajo
1384-7	Canoncito Navajo
1385-4	Ramah Navajo
1387-0	Nez Perce
1389-6	Nomalaki
1391-2	Northwest Tribes
1392-0	Alsea
1393-8	Celilo
1394-6	Columbia
1395-3	Kalapuya
1396-1	Molala
1397-9	Talakamish
1398-7	Tenino
1399-5	Tillamook
1400-1	Wenatchee
1401-9	Yahooskin
1403-5	Omaha
1405-0	Oregon Athabaskan
1407-6	Osage
1409-2	Otoe-Missouria
1411-8	Ottawa
1412-6	Burt Lake Ottawa
1413-4	Michigan Ottawa
1414-2	Oklahoma Ottawa

1416-7	Paiute
1417-5	Bishop
1418-3	Bridgeport
1419-1	Burns Paiute
1420-9	Cedarville
1421-7	Fort Bidwell
1422-5	Fort Independence
1423-3	Kaibab
1424-1	Las Vegas
1425-8	Lone Pine
1426-6	Lovelock
1427-4	Malheur Paiute
1428-2	Moapa
1429-0	Northern Paiute
1430-8	Owens Valley
1431-6	Pyramid Lake
1432-4	San Juan Southern Paiute
1433-2	Southern Paiute
1434-0	Summit Lake
1435-7	Utu Utu Gwaitu Paiute
1436-5	Walker River
1437-3	Yerington Paiute
1439-9	Pamunkey
1441-5	Passamaquoddy
1442-3	Indian Township
1443-1	Pleasant Point Passamaquoddy
1445-6	Pawnee
1446-4	Oklahoma Pawnee
1448-0	Penobscot
1450-6	Peoria
1451-4	Oklahoma Peoria
1453-0	Pequot
1454-8	Marshantucket Pequot
1456-3	Pima
1457-1	Gila River Pima-Maricopa
1458-9	Salt River Pima-Maricopa
1460-5	Piscataway
1462-1	Pit River
1464-7	Pomo
1465-4	Central Pomo
1466-2	Dry Creek
1467-0	Eastern Pomo
1468-8	Kashia
1469-6	Northern Pomo
1470-4	Scotts Valley
1471-2	Stonyford
1472-0	Sulphur Bank
1474-6	Ponca
1475-3	Nebraska Ponca
1476-1	Oklahoma Ponca
1478-7	Potawatomi

1479-5	Citizen Band Potawatomi
1480-3	Forest County
1481-1	Hannahville
1482-9	Huron Potawatomi
1483-7	Pokagon Potawatomi
1484-5	Prairie Band
1485-2	Wisconsin Potawatomi
1487-8	Powhatan
1489-4	Pueblo
1490-2	Acoma
1491-0	Arizona Tewa
1492-8	Cochiti
1493-6	Hopi
1494-4	Isleta
1495-1	Jemez
1496-9	Keres
1497-7	Laguna
1498-5	Nambe
1499-3	Picuris
1500-8	Piro
1501-6	Pojoaque
1502-4	San Felipe
1503-2	San Ildefonso
1504-0	San Juan Pueblo
1505-7	San Juan De
1506-5	San Juan
1507-3	Sandia
1508-1	Santa Ana
1509-9	Santa Clara
1510-7	Santo Domingo
1511-5	Taos
1512-3	Tesuque
1513-1	Tewa
1514-9	Tigua
1515-6	Zia
1516-4	Zuni
1518-0	Puget Sound Salish
1519-8	Duwamish
1520-6	Kikiallus
1521-4	Lower Skagit
1522-2	Muckleshoot
1523-0	Nisqually
1524-8	Nooksack
1525-5	Port Madison
1526-3	Puyallup
1527-1	Samish
1528-9	Sauk-Suiattle
1529-7	Skokomish
1530-5	Skykomish
1531-3	Snohomish
1532-1	Snoqualmie
1533-9	Squaxin Island
1534-7	Steilacoom
1535-4	Stillaguamish
1536-2	Suquamish
1537-0	Swinomish
1538-8	Tulalip
1539-6	Upper Skagit
1541-2	Quapaw

1543-8	Quinault
1545-3	Rappahannock
1547-9	Reno-Sparks
1549-5	Round Valley
1551-1	Sac and Fox
1552-9	Iowa Sac and Fox
1553-7	Missouri Sac and Fox
1554-5	Oklahoma Sac and Fox
1556-0	Salinan
1558-6	Salish
1560-2	Salish and Kootenai
1562-8	Schaghticoke
1564-4	Scott Valley
1566-9	Seminole
1567-7	Big Cypress
1568-5	Brighton
1569-3	Florida Seminole
1570-1	Hollywood Seminole
1571-9	Oklahoma Seminole
1573-5	Serrano
1574-3	San Manual
1576-8	Shasta
1578-4	Shawnee
1579-2	Absentee Shawnee
1580-0	Eastern Shawnee
1582-6	Shinnecock
1584-2	Shoalwater Bay
1586-7	Shoshone
1587-5	Battle Mountain
1588-3	Duckwater
1589-1	Elko
1590-9	Ely
1591-7	Goshute
1592-5	Panamint
1593-3	Ruby Valley
1594-1	Skull Valley
1595-8	South Fork Shoshone
1596-6	Te-Moak Western Shoshone
1597-4	Timbi-Sha Shoshone
1598-2	Washakie
1599-0	Wind River Shoshone
1600-6	Yomba
1602-2	Shoshone Paiute
1603-0	Duck Valley
1604-8	Fallon
1605-5	Fort McDermitt

1607-1	Siletz
1609-7	Sioux
1610-5	Blackfoot Sioux
1611-3	Brule Sioux
1612-1	Cheyenne River Sioux
1613-9	Crow Creek Sioux
1614-7	Dakota Sioux
1615-4	Flandreau Santee
1616-2	Fort Peck
1617-0	Lake Traverse Sioux
1618-8	Lower Brule Sioux
1619-6	Lower Sioux
1620-4	Mdewakanton Sioux
1621-2	Miniconjou
1622-0	Oglala Sioux
1623-8	Pine Ridge Sioux
1624-6	Pipestone Sioux
1625-3	Prairie Island Sioux
1626-1	Prior Lake Sioux
1627-9	Rosebud Sioux
1628-7	Sans Arc Sioux
1629-5	Santee Sioux
1630-3	Sisseton-Wahpeton
1631-1	Sisseton Sioux
1632-9	Spirit Lake Sioux
1633-7	Standing Rock Sioux
1634-5	Teton Sioux
1635-2	Two Kettle Sioux
1636-0	Upper Sioux
1637-8	Wahpekute Sioux
1638-6	Wahpeton Sioux
1639-4	Wazhaza Sioux
1640-2	Yankton Sioux
1641-0	Yanktonai Sioux
1643-6	Siuslaw
1645-1	Spokane
1647-7	Stewart
1649-3	Stockbridge
1651-9	Susanville
1653-5	Tohono O'Odham
1654-3	Ak-Chin
1655-0	Gila Bend
1656-8	San Xavier
1657-6	Sells
1659-2	Tolowa
1661-8	Tonkawa
1663-4	Tygh
1665-9	Umatilla
1667-5	Umpqua
1668-3	Cow Creek Umpqua
1670-9	Ute

1671-7	Allen Canyon
1672-5	Uintah Ute
1673-3	Ute Mountain Ute
1675-8	Wailaki
1677-4	Walla-Walla
1679-0	Wampanoag
1680-8	Gay Head Wampanoag
1681-6	Mashpee Wampanoag
1683-2	Warm Springs
1685-7	Wascopum
1687-3	Washoe
1688-1	Alpine
1689-9	Carson
1690-7	Dresslerville
1692-3	Wichita
1694-9	Wind River
1696-4	Winnebago
1697-2	Ho-chunk
1698-0	Nebraska Winnebago
1700-4	Winnemucca
1702-0	Wintun
1704-6	Wiyot
1705-3	Table Bluff
1707-9	Yakama
1709-5	Yakama Cowlitz
1711-1	Yaqui
1712-9	Barrio Libre
1713-7	Pascua Yaqui
1715-2	Yavapai Apache
1717-8	Yokuts
1718-6	Chukchansi
1719-4	Tachi
1720-2	Tule River
1722-8	Yuchi
1724-4	Yuman
1725-1	Cocopah
1726-9	Havasupai
1727-7	Hualapai
1728-5	Maricopa
1729-3	Mohave
1730-1	Quechan
1731-9	Yavapai
1732-7	Yurok
1733-5	Coast Yurok

1735-0	Alaska Native
1737-6	Alaska Indian
1739-2	Alaskan Athabascan
1740-0	Ahtna
1741-8	Alatna
1742-6	Alexander
1743-4	Allakaket
1744-2	Alanvik
1745-9	Anvik
1746-7	Arctic
1747-5	Beaver
1748-3	Birch Creek
1749-1	Cantwell
1750-9	Chalkyitsik
1751-7	Chickaloon
1752-5	Chistochina
1753-3	Chitina
1754-1	Circle
1755-8	Cook Inlet
1756-6	Copper Center
1757-4	Copper River
1758-2	Dot Lake
1759-0	Doyon
1760-8	Eagle
1761-6	Eklutna
1762-4	Evansville
1763-2	Fort Yukon
1764-0	Gakona
1765-7	Galena
1766-5	Grayling
1767-3	Gulkana
1768-1	Healy Lake
1769-9	Holy Cross
1770-7	Hughes
1771-5	Huslia
1772-3	Iliamna
1773-1	Kaltag
1774-9	Kluti Kaah
1775-6	Knik
1776-4	Koyukuk
1777-2	Lake Minchumina
1778-0	Lime
1779-8	Mcgrath
1780-6	Manley Hot Springs
1781-4	Mentasta Lake
1782-2	Minto
1783-0	Nenana
1784-8	Nikolai
1785-5	Niniilchik
1786-3	Nondalton
1787-1	Northway
1788-9	Nulato
1789-7	Pedro Bay
1790-5	Rampart
1791-3	Ruby
1792-1	Salamatof
1793-9	Seldovia
1794-7	Slana
1795-4	Shageluk
1796-2	Stevens
1797-0	Stony River

1798-8	Takotna
1799-6	Tanacross
1800-2	Tanaina
1801-0	Tanana
1802-8	Tanana Chiefs
1803-6	Tazlina
1804-4	Telida
1805-1	Tetlin
1806-9	Tok
1807-7	Tyonek
1808-5	Venetie
1809-3	Wiseman
1811-9	Southeast Alaska
1813-5	Tlingit-Haida
1814-3	Angoon
1815-0	Central Council of Tlingit and Haida Tribes
1816-8	Chilkat
1817-6	Chilkoot
1818-4	Craig
1819-2	Douglas
1820-0	Haida
1821-8	Hoonah
1822-6	Hydaburg
1823-4	Kake
1824-2	Kasaan
1825-9	Kenaitze
1826-7	Ketchikan
1827-5	Klawock
1828-3	Pelican
1829-1	Petersburg
1830-9	Saxman
1831-7	Sitka
1832-5	Tenakee Springs
1833-3	Tlingit
1834-1	Wrangell
1835-8	Yakutat
1837-4	Tsimshian
1838-2	Metlakatla
1840-8	Eskimo
1842-4	Greenland Eskimo
1844-0	Inupiat Eskimo
1845-7	Ambler
1846-5	Anaktuvuk
1847-3	Anaktuvuk Pass
1848-1	Arctic Slope Inupiat
1849-9	Arctic Slope Corporation
1850-7	Atqasuk
1851-5	Barrow
1852-3	Bering Straits Inupiat
1853-1	Brevig Mission
1854-9	Buckland
1855-6	Chinik
1856-4	Council
1857-2	Deering
1858-0	Elim
1859-8	Golovin
1860-6	Inalik Diomedes
1861-4	Inupiaq

1862-2	Kaktovik
1863-0	Kawerak
1864-8	Kiana
1865-5	Kivalina
1866-3	Kobuk
1867-1	Kotzebue
1868-9	Koyuk
1869-7	Kwiguk
1870-5	Mauneluk Inupiat
1871-3	Nana Inupiat
1872-1	Noatak
1873-9	Nome
1874-7	Noorvik
1875-4	Nuiqsut
1876-2	Point Hope
1877-0	Point Lay
1878-8	Selawik
1879-6	Shaktoolik
1880-4	Shishmaref
1881-2	Shungnak
1882-0	Solomon
1883-8	Teller
1884-6	Unalakleet
1885-3	Wainwright
1886-1	Wales
1887-9	White Mountain
1888-7	White Mountain Inupiat
1889-5	Mary's Igloo
1891-1	Siberian Eskimo
1892-9	Gambell
1893-7	Savoonga
1894-5	Siberian Yupik
1896-0	Yupik Eskimo
1897-8	Akiachak
1898-6	Akiak
1899-4	Alakanuk
1900-0	Aleknagik
1901-8	Andreafsky
1902-6	Aniak
1903-4	Atmautluak
1904-2	Bethel
1905-9	Bill Moore's Slough
1906-7	Bristol Bay Yupik
1907-5	Calista Yupik
1908-3	Chefornak
1909-1	Chevak
1910-9	Chuathbaluk
1911-7	Clark's Point
1912-5	Crooked Creek
1913-3	Dillingham
1914-1	Eek
1915-8	Ekuk
1916-6	Ekwok
1917-4	Emmonak
1918-2	Goodnews Bay
1919-0	Hooper Bay
1920-8	Iqurmuit (Russian Mission)
1921-6	Kalskag
1922-4	Kasigluk
1923-2	Kipnuk
1924-0	Koliganek
1925-7	Kongiganak

1926-5	Kotlik
1927-3	Kwethluk
1928-1	Kwigillingok
1929-9	Levelock
1930-7	Lower Kalskag
1931-5	Manokotak
1932-3	Marshall
1933-1	Mekoryuk
1934-9	Mountain Village
1935-6	Naknek
1936-4	Napaumute
1937-2	Napakiak
1938-0	Napaskiak
1939-8	Newhalen
1940-6	New Stuyahok
1941-4	Newtok
1942-2	Nightmute
1943-0	Nunapitchukv
1944-8	Oscarville
1945-5	Pilot Station
1946-3	Pitkas Point
1947-1	Platinum
1948-9	Portage Creek
1949-7	Quinhagak
1950-5	Red Devil
1951-3	St. Michael
1952-1	Scammon Bay
1953-9	Sheldon's Point
1954-7	Sleetmute
1955-4	Stebbins
1956-2	Togiak
1957-0	Toksook
1958-8	Tulukskak
1959-6	Tuntutuliak
1960-4	Tununak
1961-2	Twin Hills
1962-0	Georgetown
1963-8	St. Mary's
1964-6	Umkumiate
1966-1	Aleut
1968-7	Alutiiq Aleut
1969-5	Tatitlek
1970-3	Ugashik
1972-9	Bristol Bay Aleut
1973-7	Chignik
1974-5	Chignik Lake
1975-2	Egegik
1976-0	Igiugig
1977-8	Ivanof Bay
1978-6	King Salmon
1979-4	Kokhanok
1980-2	Perryville
1981-0	Pilot Point
1982-8	Port Heiden
1984-4	Chugach Aleut
1985-1	Chenega
1986-9	Chugach Corporation
1987-7	English Bay
1988-5	Port Graham

1990-1	Eyak
1992-7	Koniag Aleut
1993-5	Akhiok
1994-3	Agdaagux
1995-0	Karluk
1996-8	Kodiak
1997-6	Larsen Bay
1998-4	Old Harbor
1999-2	Ouzinkie
2000-8	Port Lions
2002-4	Sugpiaq
2004-0	Suqpigaq
2006-5	Unangan Aleut
2007-3	Akutan
2008-1	Aleut Corporation
2009-9	Aleutian
2010-7	Aleutian Islander
2011-5	Atka
2012-3	Belkofski
2013-1	Chignik Lagoon
2014-9	King Cove
2015-6	False Pass
2016-4	Nelson Lagoon
2017-2	Nikolski
2018-0	Pauloff Harbor
2019-8	Qagan Toyagungin
2020-6	Qawalangin
2021-4	St. George
2022-2	St. Paul
2023-0	Sand Point
2024-8	South Naknek
2025-5	Unalaska
2026-3	Unga
2028-9	Asian
2029-7	Asian Indian
2030-5	Bangladeshi
2031-3	Bhutanese
2032-1	Burmese
2033-9	Cambodian
2034-7	Chinese
2035-4	Taiwanese
2036-2	Filipino
2037-0	Hmong
2038-8	Indonesian
2039-6	Japanese
2040-4	Korean
2041-2	Laotian
2042-0	Malaysian
2043-8	Okinawan
2044-6	Pakistani
2045-3	Sri Lankan
2046-1	Thai
2047-9	Vietnamese
2048-7	Iwo Jiman
2049-5	Maldivian
2050-3	Nepalese
2051-1	Singaporean
2052-9	Madagascar

2054-5	Black or African American
2056-0	Black
2058-6	African American
2060-2	African
2061-0	Botswanan
2062-8	Ethiopian
2063-6	Liberian
2064-4	Namibian
2065-1	Nigerian
2066-9	Zairean
2067-7	Bahamian
2068-5	Barbadian
2069-3	Dominican
2070-1	Dominica Islander
2071-9	Haitian
2072-7	Jamaican
2073-5	Tobagoan
2074-3	Trinidadian
2075-0	West Indian
2076-8	Native Hawaiian or Other Pacific Islander
2078-4	Polynesian
2079-2	Native Hawaiian
2080-0	Samoan
2081-8	Tahitian
2082-6	Tongan
2083-4	Tokelauan
2085-9	Micronesian
2086-7	Guamanian or Chamorro
2087-5	Guamanian
2088-3	Chamorro
2089-1	Mariana Islander
2090-9	Marshallese
2091-7	Palauan
2092-5	Carolinian
2093-3	Kosraean
2094-1	Pohnpeian
2095-8	Saipanese
2096-6	Kiribati
2097-4	Chuukese
2098-2	Yapese
2100-6	Melanesian
2101-4	Fijian
2102-2	Papua New Guinean
2103-0	Solomon Islander
2104-8	New Hebrides
2500-7	Other Pacific Islander
2106-3	White
2108-9	European
2109-7	Armenian
2110-5	English
2111-3	French
2112-1	German
2113-9	Irish

2114-7	Italian
2115-4	Polish
2116-2	Scottish
2118-8	Middle Eastern or North African
2119-6	Assyrian
2120-4	Egyptian
2121-2	Iranian
2122-0	Iraqi
2123-8	Lebanese
2124-6	Palestinian
2125-3	Syrian
2126-1	Afghanistani
2127-9	Israeli
2129-5	Arab
2131-1	Other Race

PHIN Vocabulary Domain Name : Ethnicity

PHIN Vocabulary Domain Code : Ethnicity

PHIN Vocabulary Domain ID :2

PHIN Vocabulary Domain Definition : List of codes representing the person's Ethnicity

PHIN Vocabulary Domain Keywords : CDC Ethnicity Codes, Ethnicity Detailed,

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments: CDC Race & Ethnicity Code set is available via PHIN VADS. HL7 uses CDC Race code set. Ethnicity hierarchy is available in PDF format.

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: See the demographics domain comments.

Recommended Code System : CDC REC (CDC Race and Ethnicity Codes)

Recommended Code System Version: Version 1

Recommended Code System Reference ID : Ethnicity

Recommended Code System Hyperlink :

<http://www.cdc.gov/PhinVSBrowser/StrutsController.do>

Recommended Code System Concept Enumeration: Complete (This is presented for illustrative purposes only)

Unique Identifier	Concept
2133-7	Ethnicity
2135-2	Hispanic or Latino
2137-8	Spaniard
2138-6	Andalusian
2139-4	Asturian
2140-2	Castillian
2141-0	Catalonian
2142-8	Belearic Islander
2143-6	Gallego
2144-4	Valencian
2145-1	Canarian
2146-9	Spanish Basque
2148-5	Mexican
2149-3	Mexican American
2150-1	Mexicano
2151-9	Chicano
2152-7	La Raza
2153-5	Mexican American Indian
2155-0	Central American
2156-8	Costa Rican
2157-6	Guatemalan
2158-4	Honduran
2159-2	Nicaraguan
2160-0	Panamanian
2161-8	Salvadoran
2162-6	Central American Indian
2163-4	Canal Zone
2165-9	South American
2166-7	Argentinean
2167-5	Bolivian
2168-3	Chilean

2169-1	Colombian
2170-9	Ecuadorian
2171-7	Paraguayan
2172-5	Peruvian
2173-3	Uruguayan
2174-1	Venezuelan
2175-8	South American Indian
2176-6	Criollo
2178-2	Latin American
2180-8	Puerto Rican
2182-4	Cuban
2184-0	Dominican
2186-5	Not Hispanic or Latino

PHIN Vocabulary Domain Name : *Religion*
PHIN Vocabulary Domain Code : Religion
PHIN Vocabulary Domain ID :212
PHIN Vocabulary Domain Definition : List of codes representing the "Religion".
PHIN Vocabulary Domain Keywords : Religions, 3.4.2.17 PID-17 Religion (CE) 00120
Date Created :04/25/2005
Date Revised :04/25/2005
Code System Identification Status: Complete
PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:
http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc
Consolidative Health Informatics (CHI) Domain Comments: See the demographics domain comments.

Recommended Code System : HL7

Recommended Code System Version: Version 2.5

Recommended Code System Reference ID : Chapter 3, Section 3.4.2.17 , HL7 Table 00120

Recommended Code System Hyperlink :

(1) Download all balloted chapters of HL7 version 2.5 in word document (doc) format:

https://www.hl7.org/memonly/v25/membership2/v25_completeness_package_wordformat.zip

(2) Download all balloted chapters of HL7 version 2.5 in PDF format:

https://www.hl7.org/memonly/v25/membership2/v25_completeness_package_pdfformat.zip

(3) Download Individual Chapters of HL7 Version 2.5 in word / pdf format:

<https://www.hl7.org/memonly/v25/membership2/index.cfm>

Recommended Code System Concept Enumeration: complete (This is presented for illustrative purposes only)

User-defined Table 0006 - Religion

Value	Description	Comment
AGN	Agnostic	
ATH	Atheist	
BAH	Baha'i	
BUD	Buddhist	
BMA	Buddhist: Mahayana	
BTH	Buddhist: Theravada	
BTA	Buddhist: Tantrayana	

BOT Buddhist: Other
CFR Chinese Folk Religionist
CHR Christian
ABC Christian: American Baptist Church
AMT Christian: African Methodist Episcopal
AME Christian: African Methodist Episcopal Zion
ANG Christian: Anglican
AOG Christian: Assembly of God
BAP Christian: Baptist
CAT Christian: Roman Catholic
CRR Christian: Christian Reformed
CHS Christian: Christian Science
CMA Christian: Christian Missionary Alliance
COC Christian: Church of Christ
COG Christian: Church of God
COI Christian: Church of God in Christ
COM Christian: Community
COL Christian: Congregational
EOT Christian: Eastern Orthodox
EVC Christian: Evangelical Church
EPI Christian: Episcopalian
FWB Christian: Free Will Baptist
FRQ Christian: Friends
GRE Christian: Greek Orthodox
JWN Christian: Jehovah's Witness
LUT Christian: Lutheran
LMS Christian: Lutheran Missouri Synod
MEN Christian: Mennonite
MET Christian: Methodist
MOM Christian: Latter-day Saints

NAZ Christian: Church of the Nazarene
ORT Christian: Orthodox
COT Christian: Other
PRC Christian: Other Protestant
PEN Christian: Pentecostal
COP Christian: Other Pentecostal
PRE Christian: Presbyterian
PRO Christian: Protestant
QUA Christian: Friends
REC Christian: Reformed Church
REO Christian: Reorganized Church of Jesus Christ-LDS
SAA Christian: Salvation Army
SEV Christian: Seventh Day Adventist
SOU Christian: Southern Baptist
UCC Christian: United Church of Christ
UMD Christian: United Methodist
UNI Christian: Unitarian
UNU Christian: Unitarian Universalist
WES Christian: Wesleyan
WMC Christian: Wesleyan Methodist
CNF Confucian
ERL Ethnic Religionist
HIN Hindu
HVA Hindu: Vaishnavites
HSH Hindu: Shaivites
HOT Hindu: Other
JAI Jain
JEW Jewish
JCO Jewish: Conservative
JOR Jewish: Orthodox

JOT	Jewish: Other
JRC	Jewish: Reconstructionist
JRF	Jewish: Reform
JRN	Jewish: Renewal
MOS	Muslim
MSU	Muslim: Sunni
MSH	Muslim: Shiite
MOT	Muslim: Other
NAM	Native American
NRL	New Religionist
NOE	Nonreligious
OTH	Other
SHN	Shintoist
SIK	Sikh
SPI	Spiritist
VAR	Unknown

PHIN Vocabulary Domain Name : Relationship

PHIN Vocabulary Domain Code : Relationship

PHIN Vocabulary Domain ID :212

PHIN Vocabulary Domain Definition : This field contains the actual personal relationship that the next of kin/associated party has to the patient. .

PHIN Vocabulary Domain Keywords : Source of Information, Next of Kin, 3.4.5.3 NK1-3 Relationship (CE) 00192

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status: Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: See the demographics domain comments.

Recommended Code System : HL7

Recommended Code System Version: Version 2.5

Recommended Code System Reference ID : Chapter 3, Section 4.5.3, HL7 Table 0190

Recommended Code System Hyperlink :

(1) Download all balloted chapters of HL7 version 2.5 in word document (doc) format:

https://www.hl7.org/memonly/v25/membership2/v25_completenesspackage_wordformat.zip

(2) Download all balloted chapters of HL7 version 2.5 in PDF format:

https://www.hl7.org/memonly/v25/membership2/v25_completenesspackage_pdfformat.zip

(3) Download Individual Chapters of HL7 Version 2.5 in word / pdf format:

<https://www.hl7.org/memonly/v25/membership2/index.cfm>

Recommended Code System Concept Enumeration: complete (This is presented for illustrative purposes only)

3.4.5.3 NK1-3 Relationship (CE) 00192

User-defined Table 0063 - Relationship

Value	Description	Comment
SEL	Self	
SPO	Spouse	
DOM	Life partner	
CHD	Child	
GCH	Grandchild	

NCH	Natural child
SCH	Stepchild
FCH	Foster child
DEP	Handicapped dependent
WRD	Ward of court
PAR	Parent
MTH	Mother
FTH	Father
CGV	Care giver
GRD	Guardian
GRP	Grandparent
EXF	Extended family
SIB	Sibling
BRO	Brother
SIS	Sister
FND	Friend
OAD	Other adult
EME	Employee
EMR	Employer
ASC	Associate
EMC	Emergency contact
OWN	Owner
TRA	Trainer
MGR	Manager
NON	None
UNK	Unknown
OTH	Other

PHIN Vocabulary Domain Name : Zip Code

PHIN Vocabulary Domain Code : ZipCode

PHIN Vocabulary Domain ID :2

PHIN Vocabulary Domain Definition : List of codes representing the Zipcode.

PHIN Vocabulary Domain Keywords : Zip Codes, Postal Zip Codes

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments: USPS (United States Postal Services) often update their zip code file and is available commercially for approximately \$400 per year, which would also includes free updates for a year.

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: See the demographics domain comments.

Recommended Code System : USPS (United States Postal Services)

Recommended Code System Version: N/A

Recommended Code System Reference ID : N/A

Recommended Code System Hyperlink :

<http://www.usps.com/ncsc/addressinfo/addressinfomenu.htm>

Recommended Code System Concept Enumeration: Complete (This is presented for illustrative purposes only)

Address Information Systems database or online lookup of zip code.

PHIN Vocabulary Domain Name : County Codes
PHIN Vocabulary Domain Code : CountyCodes
PHIN Vocabulary Domain ID :2
PHIN Vocabulary Domain Definition : List of codes representing the county.
PHIN Vocabulary Domain Keywords : County Code, FIPS County Code
Date Created :04/25/2005
Date Revised :04/25/2005
Code System Identification Status:Complete
PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:
http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc
Consolidative Health Informatics (CHI) Domain Comments: n/a

Recommended Code System : FIPS (Federal Information Processing Standard)
Recommended Code System Version: FIPS PUB 6-4
Recommended Code System Reference ID : N/A
Recommended Code System Hyperlink :
 Browse FIPS County Codes in html format: <http://www.itl.nist.gov/fipspubs/co-codes/states.htm>
 Download FIPS County Codes in txt format: <http://www.itl.nist.gov/fipspubs/co-codes/states.txt>
Recommended Code System Concept Enumeration : Complete (This is presented for illustrative purposes only)

COUNTIES AND EQUIVALENT ENTITIES OF THE UNITED STATES, ITS POSSESSIONS, AND ASSOCIATED AREAS

 ALABAMA (AL) (01)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Autauga	051 Elmore	101 Montgomery
003 Baldwin	053 Escambia	103 Morgan
005 Barbour	055 Etowah	105 Perry
007 Bibb	057 Fayette	107 Pickens
009 Blount	059 Franklin	109 Pike
011 Bullock	061 Geneva	111 Randolph
013 Butler	063 Greene	113 Russell
015 Calhoun	065 Hale	115 St. Clair
017 Chambers	067 Henry	117 Shelby
019 Cherokee	069 Houston	119 Sumter
021 Chilton	071 Jackson	121 Talladega
023 Choctaw	073 Jefferson	123 Tallapoosa
025 Clarke	075 Lamar	125 Tuscaloosa
027 Clay	077 Lauderdale	127 Walker
029 Cleburne	079 Lawrence	129 Washington
031 Coffee	081 Lee	131 Wilcox
033 Colbert	083 Limestone	133 Winston
035 Conecuh	085 Lowndes	
037 Coosa	087 Macon	
039 Covington	089 Madison	
041 Crenshaw	091 Marengo	

043 Cullman 093 Marion
 045 Dale 095 Marshall
 047 Dallas 097 Mobile
 049 DeKalb* 099 Monroe

 ALASKA (AK) (02)
 (Borough/Census Area Names are used instead of County Names)

CODE NAME	CODE NAME
-----	-----
013* Aleutians East	185 North Slope
016* Aleutians West (CA)	188* Northwest Arctic
020 Anchorage	201 Prince of
050 Bethel (CA)	Wales-OuterKetchikan (CA)
060 Bristol Bay	220 Sitka
068 Denali	
070 Dillingham (CA)	231 Skagway-Yakutat-Angoon (CA)
090 Fairbanks North Star	240 Southeast Fairbanks (CA)
100 Haines	261 Valdez-Gordova (CA)
110 Juneau	270 Wade Hampton (CA)
122 Kenai Peninsula	280 Wrangell-Petersburg (CA)
130 Ketchikan Gateway	290 Yukon-Koyukuk (CA)
150 Kodiak Island	
164* Lake and Peninsula	
170 Matanuska-Susitna	
180 Nome (CA)	
290 Yukon-Koyukuk (CA)	

~~~~~  
 The legally defined first-order subdivisions of Alaska are called boroughs. The portion of Alaska that is not within organized boroughs is covered by a single "unorganized borough," a legal entity administered by the State government. Because the unorganized borough is too large geographically to provide a suitable basis for data analysis, the State of Alaska and the Bureau of the Census have divided it into "census areas" for statistical purposes. The census areas are identified in the list by "(CA)" following the name. Data systems that use the unorganized borough may code it as 999. Changes since FIPS PUB 6-3: Aleutian Islands (CA) (010) was replaced by Aleutians East (1978 October 23) and Aleutians West (CA) (1990 January 1); Kobuk (CA) (140) was replaced by Northwest Arctic (1986 June 2); Lake and Peninsula was established from part of Dillingham (CA) (1989 April 24). (The relationships are approximate.)

-----  
 ARIZONA (AZ) (04)

| CODE NAME    | CODE NAME    | CODE NAME      |
|--------------|--------------|----------------|
| -----        | -----        | -----          |
| 001 Apache   | 011 Greenlee | 019 Pima       |
| 003 Cochise  | 012* La Paz  | 021 Pinal      |
| 005 Coconino | 013 Maricopa | 023 Santa Cruz |
| 007 Gila     | 015 Mohave   | 025 Yavapai    |
| 009 Graham   | 017 Navajo   | 027 Yuma       |

~~~~~  
 La Paz was established from part of Yuma (1983)

January 1).

ARKANSAS (AR) (05)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Arkansas	051 Garland	101 Newton
003 Ashley	053 Grant	103 Ouachita
005 Baxter	055 Greene	105 Perry
007 Benton	057 Hempstead	107 Phillips
009 Boone	059 Hot Spring	109 Pike
011 Bradley	061 Howard	111 Poinsett
013 Calhoun	063 Independence	113 Polk
015 Carroll	065 Izard	115 Pope
017 Chicot	067 Jackson	117 Prairie
019 Clark	069 Jefferson	119 Pulaski
021 Clay	071 Johnson	121 Randolph
023 Cleburne	073 Lafayette	123 St. Francis
025 Cleveland	075 Lawrence	125 Saline
027 Columbia	077 Lee	127 Scott
029 Conway	079 Lincoln	129 Searcy
031 Craighead	081 Little River	131 Sebastian
033 Crawford	083 Logan	133 Sevier
035 Crittenden	085 Lonoke	135 Sharp
037 Cross	087 Madison	137 Stone
039 Dallas	089 Marion	139 Union
041 Desha	091 Miller	141 Van Buren
043 Drew	093 Mississippi	143 Washington
045 Faulkner	095 Monroe	145 White
047 Franklin	097 Montgomery	147 Woodruff
049 Fulton	099 Nevada	149 Yell

CALIFORNIA (CA) (06)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Alameda	041 Marin	081 San Mateo
003 Alpine	043 Mariposa	083 Santa Barbara
005 Amador	045 Mendocino	085 Santa Clara
007 Butte	047 Merced	087 Santa Cruz
009 Calaveras	049 Modoc	089 Shasta
011 Colusa	051 Mono	091 Sierra
013 Contra Costa	053 Monterey	093 Siskiyou
015 Del Norte	055 Napa	095 Solano
017 El Dorado	057 Nevada	097 Sonoma
019 Fresno	059 Orange	099 Stanislaus
021 Glenn	061 Placer	101 Sutter
023 Humboldt	063 Plumas	103 Tehama
025 Imperial	065 Riverside	105 Trinity
027 Inyo	067 Sacramento	107 Tulare
029 Kern	069 San Benito	109 Tuolumne
031 Kings	071 San Bernardino	111 Ventura

033 Lake 073 San Diego 113 Yolo
 035 Lassen 075 San Francisco 115 Yuba
 037 Los Angeles 077 San Joaquin
 039 Madera 079 San Luis Obispo

 COLORADO (CO) (08)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Adams	051 Gunnison	101 Pueblo
003 Alamosa	053 Hinsdale	103 Rio Blanco
005 Arapahoe	055 Huerfano	105 Rio Grande
007 Archuleta	057 Jackson	107 Routt
009 Baca	059 Jefferson	109 Saguache
011 Bent	061 Kiowa	111 San Juan
013 Boulder	063 Kit Carson	113 San Miguel
015 Chaffee	065 Lake	115 Sedgwick
017 Cheyenne	067 La Plata	117 Summit
019 Clear Creek	069 Larimer	119 Teller
021 Conejos	071 Las Animas	121 Washington
023 Costilla	073 Lincoln	123 Weld
025 Crowley	075 Logan	125 Yuma
027 Custer	077 Mesa	
029 Delta	079 Mineral	
031 Denver	081 Moffat	
033 Dolores	083 Montezuma	
035 Douglas	085 Montrose	
037 Eagle	087 Morgan	
039 Elbert	089 Otero	
041 El Paso	091 Ouray	
043 Fremont	093 Park	
045 Garfield	095 Phillips	
047 Gilpin	097 Pitkin	
049 Grand	099 Prowers	

 CONNECTICUT (CT) (09)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Fairfield	007 Middlesex	013 Tolland
003 Hartford	009 New Haven	015 Windham
005 Litchfield	011 New London	

 DELAWARE (DE) (10)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Kent	003 New Castle	005 Sussex

 DISTRICT OF COLUMBIA (DC) (11)

CODE NAME

 001 District of Columbia

~~~~~  
 Name was reported incorrectly as "Washington" in FIPS PUB 6-3.  
 The District has no first-order subdivisions, and therefore  
 "District of Columbia" also serves as the county-equivalent entity.  
 ~~~~~

FLORIDA (FL) (12)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Alachua	051 Hendry	101 Pasco
003 Baker	053 Hernando	103 Pinellas
005 Bay	055 Highlands	105 Polk
007 Bradford	057 Hillsborough	107 Putnam
009 Brevard	059 Holmes	109 St. Johns
011 Broward	061 Indian River	111 St. Lucie
013 Calhoun	063 Jackson	113 Santa Rosa
015 Charlotte	065 Jefferson	115 Sarasota
017 Citrus	067 Lafayette	117 Seminole
019 Clay	069 Lake	119 Sumter
021 Collier	071 Lee	121 Suwannee
023 Columbia	073 Leon	123 Taylor
025 Dade	075 Levy	125 Union
027 DeSoto*	077 Liberty	127 Volusia
029 Dixie	079 Madison	129 Wakulla
031 Duval	081 Manatee	131 Walton
033 Escambia	083 Marion	133 Washington
035 Flagler	085 Martin	
037 Franklin	087 Monroe	
039 Gadsden	089 Nassau	
041 Gilchrist	091 Okaloosa	
043 Glades	093 Okeechobee	
045 Gulf	095 Orange	
047 Hamilton	097 Osceola	
049 Hardee	099 Palm Beach	

~~~~~  
 GEORGIA (GA) (13)

| CODE NAME    | CODE NAME     | CODE NAME    |
|--------------|---------------|--------------|
| -----        | -----         | -----        |
| 001 Appling  | 113 Fayette   | 225 Peach    |
| 003 Atkinson | 115 Floyd     | 227 Pickens  |
| 005 Bacon    | 117 Forsyth   | 229 Pierce   |
| 007 Baker    | 119 Franklin  | 231 Pike     |
| 009 Baldwin  | 121 Fulton    | 233 Polk     |
| 011 Banks    | 123 Gilmer    | 235 Pulaski  |
| 013 Barrow   | 125 Glascock  | 237 Putnam   |
| 015 Bartow   | 127 Glynn     | 239 Quitman  |
| 017 Ben Hill | 129 Gordon    | 241 Rabun    |
| 019 Berrien  | 131 Grady     | 243 Randolph |
| 021 Bibb     | 133 Greene    | 245 Richmond |
| 023 Bleckley | 135 Gwinnett  | 247 Rockdale |
| 025 Brantley | 137 Habersham | 249 Schley   |

|                   |                |                |
|-------------------|----------------|----------------|
| 027 Brooks        | 139 Hall       | 251 Screven    |
| 029 Bryan         | 141 Hancock    | 253 Seminole   |
| 031 Bulloch       | 143 Haralson   | 255 Spalding   |
| 033 Burke         | 145 Harris     | 257 Stephens   |
| 035 Butts         | 147 Hart       | 259 Stewart    |
| 037 Calhoun       | 149 Heard      | 261 Sumter     |
| 039 Camden        | 151 Henry      | 263 Talbot     |
| 043 Candler       | 153 Houston    | 265 Taliaferro |
| 045 Carroll       | 155 Irwin      | 267 Tattnall   |
| 047 Catoosa       | 157 Jackson    | 269 Taylor     |
| 049 Charlton      | 159 Jasper     | 271 Telfair    |
| 051 Chatham       | 161 Jeff Davis | 273 Terrell    |
| 053 Chattahoochee | 163 Jefferson  | 275 Thomas     |
| 055 Chattooga     | 165 Jenkins    | 277 Tift       |
| 057 Cherokee      | 167 Johnson    | 279 Toombs     |
| 059 Clarke        | 169 Jones      | 281 Towns      |
| 061 Clay          | 171 Lamar      | 283 Treutlen   |
| 063 Clayton       | 173 Lanier     | 285 Troup      |
| 065 Clinch        | 175 Laurens    | 287 Turner     |
| 067 Cobb          | 177 Lee        | 289 Twiggs     |
| 069 Coffee        | 179 Liberty    | 291 Union      |
| 071 Colquitt      | 181 Lincoln    | 293 Upson      |
| 073 Columbia      | 183 Long       | 295 Walker     |
| 075 Cook          | 185 Lowndes    | 297 Walton     |
| 077 Coweta        | 187 Lumpkin    | 299 Ware       |
| 079 Crawford      | 189 McDuffie   | 301 Warren     |
| 081 Crisp         | 191 McIntosh   | 303 Washington |
| 083 Dade          | 193 Macon      | 305 Wayne      |
| 085 Dawson        | 195 Madison    | 307 Webster    |
| 087 Decatur       | 197 Marion     | 309 Wheeler    |
| 089 DeKalb*       | 199 Meriwether | 311 White      |
| 091 Dodge         | 201 Miller     | 313 Whitfield  |
| 093 Dooly         | 205 Mitchell   | 315 Wilcox     |
| 095 Dougherty     | 207 Monroe     | 317 Wilkes     |
| 097 Douglas       | 209 Montgomery | 319 Wilkinson  |
| 099 Early         | 211 Morgan     | 321 Worth      |
| 101 Echols        | 213 Murray     |                |
| 103 Effingham     | 215* Muscogee  |                |
| 105 Elbert        | 217 Newton     |                |
| 107 Emanuel       | 219 Oconee     |                |
| 109 Evans         | 221 Oglethorpe |                |
| 111 Fannin        | 223 Paulding   |                |

~~~~~  
Muscogee was reported incorrectly as "Columbus
(consolidated government)" (510) in FIPS PUB 6-3.

HAWAII (HI) (15)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Hawaii	005 Kalawao	009 Maui

003 Honolulu 007 Kauai

~~~~~  
Kalawao does not have its own local government; it is administered by the State of Hawaii. It may be included with Maui for statistical purposes.  
-----

IDAHO (ID) (16)

| CODE NAME      | CODE NAME      | CODE NAME      |
|----------------|----------------|----------------|
| -----          | -----          | -----          |
| 001 Ada        | 031 Cassia     | 061 Lewis      |
| 003 Adams      | 033 Clark      | 063 Lincoln    |
| 005 Bannock    | 035 Clearwater | 065 Madison    |
| 007 Bear Lake  | 037 Custer     | 067 Minidoka   |
| 009 Benewah    | 039 Elmore     | 069 Nez Perce  |
| 011 Bingham    | 041 Franklin   | 071 Oneida     |
| 013 Blaine     | 043 Fremont    | 073 Owyhee     |
| 015 Boise      | 045 Gem        | 075 Payette    |
| 017 Bonner     | 047 Gooding    | 077 Power      |
| 019 Bonneville | 049 Idaho      | 079 Shoshone   |
| 021 Boundary   | 051 Jefferson  | 081 Teton      |
| 023 Butte      | 053 Jerome     | 083 Twin Falls |
| 025 Camas      | 055 Kootenai   | 085 Valley     |
| 027 Canyon     | 057 Latah      | 087 Washington |
| 029 Caribou    | 059 Lemhi      |                |

-----  
ILLINOIS (IL) (17)

| CODE NAME      | CODE NAME      | CODE NAME       |
|----------------|----------------|-----------------|
| -----          | -----          | -----           |
| 001 Adams      | 071 Henderson  | 141 Ogle        |
| 003 Alexander  | 073 Henry      | 143 Peoria      |
| 005 Bond       | 075 Iroquois   | 145 Perry       |
| 007 Boone      | 077 Jackson    | 147 Piatt       |
| 009 Brown      | 079 Jasper     | 149 Pike        |
| 011 Bureau     | 081 Jefferson  | 151 Pope        |
| 013 Calhoun    | 083 Jersey     | 153 Pulaski     |
| 015 Carroll    | 085 Jo Daviess | 155 Putnam      |
| 017 Cass       | 087 Johnson    | 157 Randolph    |
| 019 Champaign  | 089 Kane       | 159 Richland    |
| 021 Christian  | 091 Kankakee   | 161 Rock Island |
| 023 Clark      | 093 Kendall    | 163 St. Clair   |
| 025 Clay       | 095 Knox       | 165 Saline      |
| 027 Clinton    | 097 Lake       | 167 Sangamon    |
| 029 Coles      | 099 La Salle   | 169 Schuyler    |
| 031 Cook       | 101 Lawrence   | 171 Scott       |
| 033 Crawford   | 103 Lee        | 173 Shelby      |
| 035 Cumberland | 105 Livingston | 175 Stark       |
| 037 DeKalb*    | 107 Logan      | 177 Stephenson  |
| 039 De Witt    | 109 McDonough  | 179 Tazewell    |
| 041 Douglas    | 111 McHenry    | 181 Union       |
| 043 DuPage*    | 113 McLean     | 183 Vermilion   |
| 045 Edgar      | 115 Macon      | 185 Wabash      |

|               |                |                |
|---------------|----------------|----------------|
| 047 Edwards   | 117 Macoupin   | 187 Warren     |
| 049 Effingham | 119 Madison    | 189 Washington |
| 051 Fayette   | 121 Marion     | 191 Wayne      |
| 053 Ford      | 123 Marshall   | 193 White      |
| 055 Franklin  | 125 Mason      | 195 Whiteside  |
| 057 Fulton    | 127 Massac     | 197 Will       |
| 059 Gallatin  | 129 Menard     | 199 Williamson |
| 061 Greene    | 131 Mercer     | 201 Winnebago  |
| 063 Grundy    | 133 Monroe     | 203 Woodford   |
| 065 Hamilton  | 135 Montgomery |                |
| 067 Hancock   | 137 Morgan     |                |
| 069 Hardin    | 139 Moultrie   |                |

-----  
INDIANA (IN) (18)

| CODE NAME       | CODE NAME      | CODE NAME       |
|-----------------|----------------|-----------------|
| -----           | -----          | -----           |
| 001 Adams       | 071 Jackson    | 141 St. Joseph  |
| 003 Allen       | 073 Jasper     | 143 Scott       |
| 005 Bartholomew | 075 Jay        | 145 Shelby      |
| 007 Benton      | 077 Jefferson  | 147 Spencer     |
| 009 Blackford   | 079 Jennings   | 149 Starke      |
| 011 Boone       | 081 Johnson    | 151 Steuben     |
| 013 Brown       | 083 Knox       | 153 Sullivan    |
| 015 Carroll     | 085 Kosciusko  | 155 Switzerland |
| 017 Cass        | 087 Lagrange   | 157 Tippecanoe  |
| 019 Clark       | 089 Lake       | 159 Tipton      |
| 021 Clay        | 091 La Porte   | 161 Union       |
| 023 Clinton     | 093 Lawrence   | 163 Vanderburgh |
| 025 Crawford    | 095 Madison    | 165 Vermillion  |
| 027 Daviess     | 097 Marion     | 167 Vigo        |
| 029 Dearborn    | 099 Marshall   | 169 Wabash      |
| 031 Decatur     | 101 Martin     | 171 Warren      |
| 033 De Kalb     | 103 Miami      | 173 Warrick     |
| 035 Delaware    | 105 Monroe     | 175 Washington  |
| 037 Dubois      | 107 Montgomery | 177 Wayne       |
| 039 Elkhart     | 109 Morgan     | 179 Wells       |
| 041 Fayette     | 111 Newton     | 181 White       |
| 043 Floyd       | 113 Noble      | 183 Whitley     |
| 045 Fountain    | 115 Ohio       |                 |
| 047 Franklin    | 117 Orange     |                 |
| 049 Fulton      | 119 Owen       |                 |
| 051 Gibson      | 121 Parke      |                 |
| 053 Grant       | 123 Perry      |                 |
| 055 Greene      | 125 Pike       |                 |
| 057 Hamilton    | 127 Porter     |                 |
| 059 Hancock     | 129 Posey      |                 |
| 061 Harrison    | 131 Pulaski    |                 |
| 063 Hendricks   | 133 Putnam     |                 |
| 065 Henry       | 135 Randolph   |                 |
| 067 Howard      | 137 Ripley     |                 |

069 Huntington 139 Rush

-----  
IOWA (IA) (19)

| CODE NAME       | CODE NAME      | CODE NAME         |
|-----------------|----------------|-------------------|
| -----           | -----          | -----             |
| 001 Adair       | 071 Fremont    | 141 O'Brien       |
| 003 Adams       | 073 Greene     | 143 Osceola       |
| 005 Allamakee   | 075 Grundy     | 145 Page          |
| 007 Appanoose   | 077 Guthrie    | 147 Palo Alto     |
| 009 Audubon     | 079 Hamilton   | 149 Plymouth      |
| 011 Benton      | 081 Hancock    | 151 Pocahontas    |
| 013 Black Hawk  | 083 Hardin     | 153 Polk          |
| 015 Boone       | 085 Harrison   | 155 Pottawattamie |
| 017 Bremer      | 087 Henry      | 157 Poweshiek     |
| 019 Buchanan    | 089 Howard     | 159 Ringgold      |
| 021 Buena Vista | 091 Humboldt   | 161 Sac           |
| 023 Butler      | 093 Ida        | 163 Scott         |
| 025 Calhoun     | 095 Iowa       | 165 Shelby        |
| 027 Carroll     | 097 Jackson    | 167 Sioux         |
| 029 Cass        | 099 Jasper     | 169 Story         |
| 031 Cedar       | 101 Jefferson  | 171 Tama          |
| 033 Cerro Gordo | 103 Johnson    | 173 Taylor        |
| 035 Cherokee    | 105 Jones      | 175 Union         |
| 037 Chickasaw   | 107 Keokuk     | 177 Van Buren     |
| 039 Clarke      | 109 Kossuth    | 179 Wapello       |
| 041 Clay        | 111 Lee        | 181 Warren        |
| 043 Clayton     | 113 Linn       | 183 Washington    |
| 045 Clinton     | 115 Louisa     | 185 Wayne         |
| 047 Crawford    | 117 Lucas      | 187 Webster       |
| 049 Dallas      | 119 Lyon       | 189 Winnebago     |
| 051 Davis       | 121 Madison    | 191 Winneshiek    |
| 053 Decatur     | 123 Mahaska    | 193 Woodbury      |
| 055 Delaware    | 125 Marion     | 195 Worth         |
| 057 Des Moines  | 127 Marshall   | 197 Wright        |
| 059 Dickinson   | 129 Mills      |                   |
| 061 Dubuque     | 131 Mitchell   |                   |
| 063 Emmet       | 133 Monona     |                   |
| 065 Fayette     | 135 Monroe     |                   |
| 067 Floyd       | 137 Montgomery |                   |
| 069 Franklin    | 139 Muscatine  |                   |

-----  
KANSAS (KS) (20)

| CODE NAME    | CODE NAME     | CODE NAME        |
|--------------|---------------|------------------|
| -----        | -----         | -----            |
| 001 Allen    | 071 Greeley   | 141 Osborne      |
| 003 Anderson | 073 Greenwood | 143 Ottawa       |
| 005 Atchison | 075 Hamilton  | 145 Pawnee       |
| 007 Barber   | 077 Harper    | 147 Phillips     |
| 009 Barton   | 079 Harvey    | 149 Pottawatomie |



|                |                 |                |
|----------------|-----------------|----------------|
| 011 Bourbon    | 081 Haskell     | 151 Pratt      |
| 013 Brown      | 083 Hodgeman    | 153 Rawlins    |
| 015 Butler     | 085 Jackson     | 155 Reno       |
| 017 Chase      | 087 Jefferson   | 157 Republic   |
| 019 Chautauqua | 089 Jewell      | 159 Rice       |
| 021 Cherokee   | 091 Johnson     | 161 Riley      |
| 023 Cheyenne   | 093 Kearny      | 163 Rooks      |
| 025 Clark      | 095 Kingman     | 165 Rush       |
| 027 Clay       | 097 Kiowa       | 167 Russell    |
| 029 Cloud      | 099 Labette     | 169 Saline     |
| 031 Coffey     | 101 Lane        | 171 Scott      |
| 033 Comanche   | 103 Leavenworth | 173 Sedgwick   |
| 035 Cowley     | 105 Lincoln     | 175 Seward     |
| 037 Crawford   | 107 Linn        | 177 Shawnee    |
| 039 Decatur    | 109 Logan       | 179 Sheridan   |
| 041 Dickinson  | 111 Lyon        | 181 Sherman    |
| 043 Doniphan   | 113 McPherson   | 183 Smith      |
| 045 Douglas    | 115 Marion      | 185 Stafford   |
| 047 Edwards    | 117 Marshall    | 187 Stanton    |
| 049 Elk        | 119 Meade       | 189 Stevens    |
| 051 Ellis      | 121 Miami       | 191 Sumner     |
| 053 Ellsworth  | 123 Mitchell    | 193 Thomas     |
| 055 Finney     | 125 Montgomery  | 195 Trego      |
| 057 Ford       | 127 Morris      | 197 Wabaunsee  |
| 059 Franklin   | 129 Morton      | 199 Wallace    |
| 061 Geary      | 131 Nemaha      | 201 Washington |
| 063 Gove       | 133 Neosho      | 203 Wichita    |
| 065 Graham     | 135 Ness        | 205 Wilson     |
| 067 Grant      | 137 Norton      | 207 Woodson    |
| 069 Gray       | 139 Osage       | 209 Wyandotte  |

-----  
 KENTUCKY (KY) (21)

| CODE NAME        | CODE NAME     | CODE NAME      |
|------------------|---------------|----------------|
| 001 Adair        | 081 Grant     | 161 Mason      |
| 003 Allen        | 083 Graves    | 163 Meade      |
| 005 Anderson     | 085 Grayson   | 165 Menifee    |
| 007 Ballard      | 087 Green     | 167 Mercer     |
| 009 Barren       | 089 Greenup   | 169 Metcalfe   |
| 011 Bath         | 091 Hancock   | 171 Monroe     |
| 013 Bell         | 093 Hardin    | 173 Montgomery |
| 015 Boone        | 095 Harlan    | 175 Morgan     |
| 017 Bourbon      | 097 Harrison  | 177 Muhlenberg |
| 019 Boyd         | 099 Hart      | 179 Nelson     |
| 021 Boyle        | 101 Henderson | 181 Nicholas   |
| 023 Bracken      | 103 Henry     | 183 Ohio       |
| 025 Breathitt    | 105 Hickman   | 185 Oldham     |
| 027 Breckinridge | 107 Hopkins   | 187 Owen       |
| 029 Bullitt      | 109 Jackson   | 189 Owsley     |

|     |            |     |            |     |            |
|-----|------------|-----|------------|-----|------------|
| 031 | Butler     | 111 | Jefferson  | 191 | Pendleton  |
| 033 | Caldwell   | 113 | Jessamine  | 193 | Perry      |
| 035 | Calloway   | 115 | Johnson    | 195 | Pike       |
| 037 | Campbell   | 117 | Kenton     | 197 | Powell     |
| 039 | Carlisle   | 119 | Knott      | 199 | Pulaski    |
|     |            |     |            |     |            |
| 041 | Carroll    | 121 | Knox       | 201 | Robertson  |
| 043 | Carter     | 123 | Larue      | 203 | Rockcastle |
| 045 | Casey      | 125 | Laurel     | 205 | Rowan      |
| 047 | Christian  | 127 | Lawrence   | 207 | Russell    |
| 049 | Clark      | 129 | Lee        | 209 | Scott      |
|     |            |     |            |     |            |
| 051 | Clay       | 131 | Leslie     | 211 | Shelby     |
| 053 | Clinton    | 133 | Letcher    | 213 | Simpson    |
| 055 | Crittenden | 135 | Lewis      | 215 | Spencer    |
| 057 | Cumberland | 137 | Lincoln    | 217 | Taylor     |
| 059 | Daviess    | 139 | Livingston | 219 | Todd       |
|     |            |     |            |     |            |
| 061 | Edmonson   | 141 | Logan      | 221 | Trigg      |
| 063 | Elliott    | 143 | Lyon       | 223 | Trimble    |
| 065 | Estill     | 145 | McCracken  | 225 | Union      |
| 067 | Fayette    | 147 | McCreary   | 227 | Warren     |
| 069 | Fleming    | 149 | McLean     | 229 | Washington |
|     |            |     |            |     |            |
| 071 | Floyd      | 151 | Madison    | 231 | Wayne      |
| 073 | Franklin   | 153 | Magoffin   | 233 | Webster    |
| 075 | Fulton     | 155 | Marion     | 235 | Whitley    |
| 077 | Gallatin   | 157 | Marshall   | 237 | Wolfe      |
| 079 | Garrard    | 159 | Martin     | 239 | Woodford   |

-----  
LOUISIANA (LA) (22)

(Parish Names are used instead of County Names)

|           |           |           |
|-----------|-----------|-----------|
| CODE NAME | CODE NAME | CODE NAME |
|-----------|-----------|-----------|

|       |                |                     |     |                |
|-------|----------------|---------------------|-----|----------------|
| ----- | -----          | -----               |     |                |
| 001   | Acadia         | 051 Jefferson       | 101 | St. Mary       |
| 003   | Allen          | 053 Jefferson Davis | 103 | St. Tammany    |
| 005   | Ascension      | 055 Lafayette       | 105 | Tangipahoa     |
| 007   | Assumption     | 057 Lafourche       | 107 | Tensas         |
| 009   | Avoyelles      | 059 La Salle        | 109 | Terrebonne     |
|       |                |                     |     |                |
| 011   | Beauregard     | 061 Lincoln         | 111 | Union          |
| 013   | Bienville      | 063 Livingston      | 113 | Vermilion      |
| 015   | Bossier        | 065 Madison         | 115 | Vernon         |
| 017   | Caddo          | 067 Morehouse       | 117 | Washington     |
| 019   | Calcasieu      | 069 Natchitoches    | 119 | Webster        |
|       |                |                     |     |                |
| 021   | Caldwell       | 071 Orleans         | 121 | W. Baton Rouge |
| 023   | Cameron        | 073 Ouachita        | 123 | W. Carroll     |
| 025   | Catahoula      | 075 Plaquemines     | 125 | W. Feliciana   |
| 027   | Claiborne      | 077 Pointe Coupee   | 127 | Winn           |
| 029   | Concordia      | 079 Rapides         |     |                |
|       |                |                     |     |                |
| 031   | De Soto        | 081 Red River       |     |                |
| 033   | E. Baton Rouge | 083 Richland        |     |                |
| 035   | E. Carroll     | 085 Sabine          |     |                |
| 037   | E. Feliciana   | 087 St. Bernard     |     |                |
| 039   | Evangeline     | 089 St. Charles     |     |                |
|       |                |                     |     |                |
| 041   | Franklin       | 091 St. Helena      |     |                |

|               |                          |
|---------------|--------------------------|
| 043 Grant     | 093 St. James            |
| 045 Iberia    | 095 St. John the Baptist |
| 047 Iberville | 097 St. Landry           |
| 049 Jackson   | 099 St. Martin           |

-----  
 MAINE (ME) (23)

| CODE NAME        | CODE NAME       | CODE NAME      |
|------------------|-----------------|----------------|
| -----            | -----           | -----          |
| 001 Androscoggin | 013 Knox        | 025 Somerset   |
| 003 Aroostook    | 015 Lincoln     | 027 Waldo      |
| 005 Cumberland   | 017 Oxford      | 029 Washington |
| 007 Franklin     | 019 Penobscot   | 031 York       |
| 009 Hancock      | 021 Piscataquis |                |
| 011 Kennebec     | 023 Sagadahoc   |                |

-----  
 MARYLAND (MD) (24)

| CODE NAME        | CODE NAME            | CODE NAME      |
|------------------|----------------------|----------------|
| -----            | -----                | -----          |
| 001 Allegany     | 023 Garrett          | 043 Washington |
| 003 Anne Arundel | 025 Harford          | 045 Wicomico   |
| 005 Baltimore    | 027 Howard           | 047 Worcester  |
| 009 Calvert      | 029 Kent             |                |
| 011 Caroline     | 031 Montgomery       |                |
| 013 Carroll      | 033 Prince George's* |                |
| 015 Cecil        | 035 Queen Anne's*    |                |
| 017 Charles      | 037 St. Mary's *     |                |
| 019 Dorchester   | 039 Somerset         |                |
| 021 Frederick    | 041 Talbot           |                |

INDEPENDENT CITY  
 510 Baltimore (city)

-----  
 MASSACHUSETTS (MA) (25)

| CODE NAME      | CODE NAME     | CODE NAME     |
|----------------|---------------|---------------|
| -----          | -----         | -----         |
| 001 Barnstable | 011 Franklin  | 021 Norfolk   |
| 003 Berkshire  | 013 Hampden   | 023 Plymouth  |
| 005 Bristol    | 015 Hampshire | 025 Suffolk   |
| 007 Dukes      | 017 Middlesex | 027 Worcester |
| 009 Essex      | 019 Nantucket |               |

-----  
 MICHIGAN (MI) (26)

| CODE NAME   | CODE NAME     | CODE NAME     |
|-------------|---------------|---------------|
| -----       | -----         | -----         |
| 001 Alcona  | 061 Houghton  | 121 Muskegon  |
| 003 Alger   | 063 Huron     | 123 Newaygo   |
| 005 Allegan | 065 Ingham    | 125 Oakland   |
| 007 Alpena  | 067 Ionia     | 127 Oceana    |
| 009 Antrim  | 069 Iosco     | 129 Ogemaw    |
| 011 Arenac  | 071 Iron      | 131 Ontonagon |
| 013 Baraga  | 073 Isabella  | 133 Osceola   |
| 015 Barry   | 075 Jackson   | 135 Oscoda    |
| 017 Bay     | 077 Kalamazoo | 137 Otsego    |
| 019 Benzie  | 079 Kalkaska  | 139 Ottawa    |

|                    |                 |                  |
|--------------------|-----------------|------------------|
| 021 Berrien        | 081 Kent        | 141 Presque Isle |
| 023 Branch         | 083 Keweenaw    | 143 Roscommon    |
| 025 Calhoun        | 085 Lake        | 145 Saginaw      |
| 027 Cass           | 087 Lapeer      | 147 St. Clair    |
| 029 Charlevoix     | 089 Leelanau    | 149 St. Joseph   |
|                    |                 |                  |
| 031 Cheboygan      | 091 Lenawee     | 151 Sanilac      |
| 033 Chippewa       | 093 Livingston  | 153 Schoolcraft  |
| 035 Clare          | 095 Luce        | 155 Shiawassee   |
| 037 Clinton        | 097 Mackinac    | 157 Tuscola      |
| 039 Crawford       | 099 Macomb      | 159 Van Buren    |
|                    |                 |                  |
| 041 Delta          | 101 Manistee    | 161 Washtenaw    |
| 043 Dickinson      | 103 Marquette   | 163 Wayne        |
| 045 Eaton          | 105 Mason       | 165 Wexford      |
| 047 Emmet          | 107 Mecosta     |                  |
| 049 Genesee        | 109 Menominee   |                  |
|                    |                 |                  |
| 051 Gladwin        | 111 Midland     |                  |
| 053 Gogebic        | 113 Missaukee   |                  |
| 055 Grand Traverse | 115 Monroe      |                  |
| 057 Gratiot        | 117 Montcalm    |                  |
| 059 Hillsdale      | 119 Montmorency |                  |

-----  
MINNESOTA (MN) (27)

| CODE NAME      | CODE NAME         | CODE NAME      |
|----------------|-------------------|----------------|
| -----          | -----             | -----          |
| 001 Aitkin     | 061 Itasca        | 121 Pope       |
| 003 Anoka      | 063 Jackson       | 123 Ramsey     |
| 005 Becker     | 065 Kanabec       | 125 Red Lake   |
| 007 Beltrami   | 067 Kandiyohi     | 127 Redwood    |
| 009 Benton     | 069 Kittson       | 129 Renville   |
|                |                   |                |
| 011 Big Stone  | 071 Koochiching   | 131 Rice       |
| 013 Blue Earth | 073 Lac qui Parle | 133 Rock       |
| 015 Brown      | 075 Lake          | 135 Roseau     |
| 017 Carlton    | 077 Lake of the   |                |
| 019 Carver     | Woods             | 137 St. Louis  |
|                | 079 Le Sueur      | 139 Scott      |
|                |                   |                |
| 021 Cass       | 081 Lincoln       | 141 Sherburne  |
| 023 Chippewa   | 083 Lyon          | 143 Sibley     |
| 025 Chisago    | 085 McLeod        | 145 Stearns    |
| 027 Clay       | 087 Mahnomen      | 147 Steele     |
| 029 Clearwater | 089 Marshall      | 149 Stevens    |
|                |                   |                |
| 031 Cook       | 091 Martin        | 151 Swift      |
| 033 Cottonwood | 093 Meeker        | 153 Todd       |
| 035 Crow Wing  | 095 Mille Lacs    | 155 Traverse   |
| 037 Dakota     | 097 Morrison      | 157 Wabasha    |
| 039 Dodge      | 099 Mower         | 159 Wadena     |
|                |                   |                |
| 041 Douglas    | 101 Murray        | 161 Waseca     |
| 043 Faribault  | 103 Nicollet      | 163 Washington |
| 045 Fillmore   | 105 Nobles        | 165 Watonwan   |
| 047 Freeborn   | 107 Norman        | 167 Wilkin     |
| 049 Goodhue    | 109 Olmsted       | 169 Winona     |

051 Grant      111 Otter Tail    171 Wright  
 053 Hennepin    113 Pennington    173 Yellow Medicine  
 055 Houston      115 Pine  
 057 Hubbard      117 Pipestone  
 059 Isanti      119 Polk

-----  
 MISSISSIPPI (MS) (28)

| CODE NAME     | CODE NAME           | CODE NAME        |
|---------------|---------------------|------------------|
| -----         | -----               | -----            |
| 001 Adams     | 061 Jasper          | 121 Rankin       |
| 003 Alcorn    | 063 Jefferson       | 123 Scott        |
| 005 Amite     | 065 Jefferson Davis | 125 Sharkey      |
| 007 Attala    | 067 Jones           | 127 Simpson      |
| 009 Benton    | 069 Kemper          | 129 Smith        |
|               |                     |                  |
| 011 Bolivar   | 071 Lafayette       | 131 Stone        |
| 013 Calhoun   | 073 Lamar           | 133 Sunflower    |
| 015 Carroll   | 075 Lauderdale      | 135 Tallahatchie |
| 017 Chickasaw | 077 Lawrence        | 137 Tate         |
| 019 Choctaw   | 079 Leake           | 139 Tippah       |
|               |                     |                  |
| 021 Claiborne | 081 Lee             | 141 Tishomingo   |
| 023 Clarke    | 083 Leflore         | 143 Tunica       |
| 025 Clay      | 085 Lincoln         | 145 Union        |
| 027 Coahoma   | 087 Lowndes         | 147 Walthall     |
| 029 Copiah    | 089 Madison         | 149 Warren       |
|               |                     |                  |
| 031 Covington | 091 Marion          | 151 Washington   |
| 033 DeSoto*   | 093 Marshall        | 153 Wayne        |
| 035 Forrest   | 095 Monroe          | 155 Webster      |
| 037 Franklin  | 097 Montgomery      | 157 Wilkinson    |
| 039 George    | 099 Neshoba         | 159 Winston      |
|               |                     |                  |
| 041 Greene    | 101 Newton          | 161 Yalobusha    |
| 043 Grenada   | 103 Noxubee         | 163 Yazoo        |
| 045 Hancock   | 105 Oktibbeha       |                  |
| 047 Harrison  | 107 Panola          |                  |
| 049 Hinds     | 109 Pearl River     |                  |
|               |                     |                  |
| 051 Holmes    | 111 Perry           |                  |
| 053 Humphreys | 113 Pike            |                  |
| 055 Issaquena | 115 Pontotoc        |                  |
| 057 Itawamba  | 117 Prentiss        |                  |
| 059 Jackson   | 119 Quitman         |                  |

-----  
 MISSOURI (MO) (29)

| CODE NAME    | CODE NAME    | CODE NAME   |
|--------------|--------------|-------------|
| -----        | -----        | -----       |
| 001 Adair    | 081 Harrison | 161 Phelps  |
| 003 Andrew   | 083 Henry    | 163 Pike    |
| 005 Atchison | 085 Hickory  | 165 Platte  |
| 007 Audrain  | 087 Holt     | 167 Polk    |
| 009 Barry    | 089 Howard   | 169 Pulaski |
|              |              |             |
| 011 Barton   | 091 Howell   | 171 Putnam  |

|                    |                 |                    |
|--------------------|-----------------|--------------------|
| 013 Bates          | 093 Iron        | 173 Ralls          |
| 015 Benton         | 095 Jackson     | 175 Randolph       |
| 017 Bollinger      | 097 Jasper      | 177 Ray            |
| 019 Boone          | 099 Jefferson   | 179 Reynolds       |
|                    |                 |                    |
| 021 Buchanan       | 101 Johnson     | 181 Ripley         |
| 023 Butler         | 103 Knox        | 183 St. Charles    |
| 025 Caldwell       | 105 Laclede     | 185 St. Clair      |
| 027 Callaway       | 107 Lafayette   | 186 Ste. Genevieve |
| 029 Camden         | 109 Lawrence    | 187 St. Francois   |
|                    |                 |                    |
| 031 Cape Girardeau | 111 Lewis       | 189 St. Louis      |
| 033 Carroll        | 113 Lincoln     | 195 Saline         |
| 035 Carter         | 115 Linn        | 197 Schuyler       |
| 037 Cass           | 117 Livingston  | 199 Scotland       |
| 039 Cedar          | 119 McDonald    | 201 Scott          |
|                    |                 |                    |
| 041 Chariton       | 121 Macon       | 203 Shannon        |
| 043 Christian      | 123 Madison     | 205 Shelby         |
| 045 Clark          | 125 Maries      | 207 Stoddard       |
| 047 Clay           | 127 Marion      | 209 Stone          |
| 049 Clinton        | 129 Mercer      | 211 Sullivan       |
|                    |                 |                    |
| 051 Cole           | 131 Miller      | 213 Taney          |
| 053 Cooper         | 133 Mississippi | 215 Texas          |
| 055 Crawford       | 135 Moniteau    | 217 Vernon         |
| 057 Dade           | 137 Monroe      | 219 Warren         |
| 059 Dallas         | 139 Montgomery  | 221 Washington     |
|                    |                 |                    |
| 061 Daviess        | 141 Morgan      | 223 Wayne          |
| 063 DeKalb*        | 143 New Madrid  | 225 Webster        |
| 065 Dent           | 145 Newton      | 227 Worth          |
| 067 Douglas        | 147 Nodaway     | 229 Wright         |
| 069 Dunklin        | 149 Oregon      |                    |
|                    |                 |                    |
| 071 Franklin       | 151 Osage       |                    |
| 073 Gasconade      | 153 Ozark       |                    |
| 075 Gentry         | 155 Pemiscot    |                    |
| 077 Greene         | 157 Perry       |                    |
| 079 Grundy         | 159 Pettis      |                    |

INDEPENDENT CITY

510 St. Louis (city)

-----  
 Ste. Genevieve was recoded from 193 to 186 to  
 maintain alphabetic consistency (1979 December 15).  
 -----

MONTANA (MT) (30)

| CODE NAME      | CODE NAME         | CODE NAME      |
|----------------|-------------------|----------------|
| -----          | -----             | -----          |
| 001 Beaverhead | 041 Hill          | 081 Ravalli    |
| 003 Big Horn   | 043 Jefferson     | 083 Richland   |
| 005 Blaine     | 045 Judith Basin  | 085 Roosevelt  |
| 007 Broadwater | 047 Lake          | 087 Rosebud    |
| 009 Carbon     | 049 Lewis & Clark | 089 Sanders    |
|                |                   |                |
| 011 Carter     | 051 Liberty       | 091 Sheridan   |
| 013 Cascade    | 053 Lincoln       | 093 Silver Bow |

|                   |                  |                          |
|-------------------|------------------|--------------------------|
| 015 Chouteau      | 055 McCone       | 095 Stillwater           |
| 017 Custer        | 057 Madison      | 097 Sweet Grass          |
| 019 Daniels       | 059 Meagher      | 099 Teton                |
| 021 Dawson        | 061 Mineral      | 101 Toole                |
| 023 Deer Lodge    | 063 Missoula     | 103 Treasure             |
| 025 Fallon        | 065 Musselshell  | 105 Valley               |
| 027 Fergus        | 067 Park         | 107 Wheatland            |
| 029 Flathead      | 069 Petroleum    | 109 Wibaux               |
| 031 Gallatin      | 071 Phillips     | 111 Yellowstone          |
| 033 Garfield*     | 073 Pondera      | 113 Yellowstone National |
| 035 Glacier       | 075 Powder River |                          |
| 037 Golden Valley | 077 Powell       |                          |
| 039 Granite       | 079 Prairie      |                          |

-----  
The portion of Yellowstone National Park in Montana  
is not located in any county.  
-----

NEBRASKA (NE) (31)

| CODE NAME     | CODE NAME     | CODE NAME        |
|---------------|---------------|------------------|
| -----         | -----         | -----            |
| 001 Adams     | 071 Garfield  | 141 Platte       |
| 003 Antelope  | 073 Gosper    | 143 Polk         |
| 005 Arthur    | 075 Grant     | 145 Red Willow   |
| 007 Banner    | 077 Greeley   | 147 Richardson   |
| 009 Blaine    | 079 Hall      | 149 Rock         |
| 011 Boone     | 081 Hamilton  | 151 Saline       |
| 013 Box Butte | 083 Harlan    | 153 Sarpy        |
| 015 Boyd      | 085 Hayes     | 155 Saunders     |
| 017 Brown     | 087 Hitchcock | 157 Scotts Bluff |
| 019 Buffalo   | 089 Holt      | 159 Seward       |
| 021 Burt      | 091 Hooker    | 161 Sheridan     |
| 023 Butler    | 093 Howard    | 163 Sherman      |
| 025 Cass      | 095 Jefferson | 165 Sioux        |
| 027 Cedar     | 097 Johnson   | 167 Stanton      |
| 029 Chase     | 099 Kearney   | 169 Thayer       |
| 031 Cherry    | 101 Keith     | 171 Thomas       |
| 033 Cheyenne  | 103 Keya Paha | 173 Thurston     |
| 035 Clay      | 105 Kimball   | 175 Valley       |
| 037 Colfax    | 107 Knox      | 177 Washington   |
| 039 Cuming    | 109 Lancaster | 179 Wayne        |
| 041 Custer    | 111 Lincoln   | 181 Webster      |
| 043 Dakota    | 113 Logan     | 183 Wheeler      |
| 045 Dawes     | 115 Loup      | 185 York         |
| 047 Dawson    | 117 McPherson |                  |
| 049 Deuel     | 119 Madison   |                  |
| 051 Dixon     | 121 Merrick   |                  |
| 053 Dodge     | 123 Morrill   |                  |
| 055 Douglas   | 125 Nance     |                  |
| 057 Dundy     | 127 Nemaha    |                  |
| 059 Fillmore  | 129 Nuckolls  |                  |

|              |             |
|--------------|-------------|
| 061 Franklin | 131 Otoe    |
| 063 Frontier | 133 Pawnee  |
| 065 Furnas   | 135 Perkins |
| 067 Gage     | 137 Phelps  |
| 069 Garden   | 139 Pierce  |

-----  
NEVADA (NV) (32)

| CODE NAME     | CODE NAME    | CODE NAME      |
|---------------|--------------|----------------|
| -----         | -----        | -----          |
| 001 Churchill | 013 Humboldt | 027 Pershing   |
| 003 Clark     | 015 Lander   | 029 Storey     |
| 005 Douglas   | 017 Lincoln  | 031 Washoe     |
| 007 Elko      | 019 Lyon     | 033 White Pine |
| 009 Esmeralda | 021 Mineral  |                |
| 011 Eureka    | 023 Nye      |                |

INDEPENDENT CITY

510 Carson City

~~~~~  
Carson City does not include a legal designation
(such as "city").

NEW HAMPSHIRE (NH) (33)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Belknap	009 Grafton	017 Strafford
003 Carroll	011 Hillsborough	019 Sullivan
005 Cheshire	013 Merrimack	
007 Coos	015 Rockingham	

NEW JERSEY (NJ) (34)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Atlantic	017 Hudson	033 Salem
003 Bergen	019 Hunterdon	035 Somerset
005 Burlington	021 Mercer	037 Sussex
007 Camden	023 Middlesex	039 Union
009 Cape May	025 Monmouth	041 Warren
011 Cumberland	027 Morris	
013 Essex	029 Ocean	
015 Gloucester	031 Passaic	

NEW MEXICO (NM) (35)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Bernalillo	028 Los Alamos	057 Torrance
003 Catron	029 Luna	059 Union
005 Chaves	031 McKinley	061 Valencia
006* Cibola	033 Mora	
007 Colfax	035 Otero	
009 Curry	037 Quay	
011 De Baca*	039 Rio Arriba	
013 Dona Ana	041 Roosevelt	

015 Eddy 043 Sandoval
017 Grant 045 San Juan

019 Guadalupe 047 San Miguel
021 Harding 049 Santa Fe
023 Hidalgo 051 Sierra
025 Lea 053 Socorro
027 Lincoln 055 Taos

Cibola was established from part of Valencia (1981 June 19).

NEW YORK (NY) (36)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Albany	051 Livingston	101 Steuben
003 Allegany	053 Madison	103 Suffolk
005 Bronx	055 Monroe	105 Sullivan
007 Broome	057 Montgomery	107 Tioga
009 Cattaraugus	059 Nassau	109 Tompkins
011 Cayuga	061 New York	111 Ulster
013 Chautauqua	063 Niagara	113 Warren
015 Chemung	065 Oneida	115 Washington
017 Chenango	067 Onondaga	117 Wayne
019 Clinton	069 Ontario	119 Westchester
021 Columbia	071 Orange	121 Wyoming
023 Cortland	073 Orleans	123 Yates
025 Delaware	075 Oswego	
027 Dutchess	077 Otsego	
029 Erie	079 Putnam	
031 Essex	081 Queens	
033 Franklin	083 Rensselaer	
035 Fulton	085 Richmond	
037 Genesee	087 Rockland	
039 Greene	089 St. Lawrence	
041 Hamilton	091 Saratoga	
043 Herkimer	093 Schenectady	
045 Jefferson	095 Schoharie	
047 Kings	097 Schuyler	
049 Lewis	099 Seneca	

NORTH CAROLINA (NC) (37)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Alamance	071 Gaston	141 Pender
003 Alexander	073 Gates	143 Perquimans
005 Alleghany	075 Graham	145 Person
007 Anson	077 Granville	147 Pitt
009 Ashe	079 Greene	149 Polk
011 Avery	081 Guilford	151 Randolph
013 Beaufort	083 Halifax	153 Richmond
015 Bertie	085 Harnett	155 Robeson

017 Bladen	087 Haywood	157 Rockingham
019 Brunswick	089 Henderson	159 Rowan
021 Buncombe	091 Hertford	161 Rutherford
023 Burke	093 Hoke	163 Sampson
025 Cabarrus	095 Hyde	165 Scotland
027 Caldwell	097 Iredell	167 Stanly
029 Camden	099 Jackson	169 Stokes
031 Carteret	101 Johnston	171 Surry
033 Caswell	103 Jones	173 Swain
035 Catawba	105 Lee	175 Transylvania
037 Chatham	107 Lenoir	177 Tyrrell
039 Cherokee	109 Lincoln	179 Union
041 Chowan	111 McDowell	181 Vance
043 Clay	113 Macon	183 Wake
045 Cleveland	115 Madison	185 Warren
047 Columbus	117 Martin	187 Washington
049 Craven	119 Mecklenburg	189 Watauga
051 Cumberland	121 Mitchell	191 Wayne
053 Currituck	123 Montgomery	193 Wilkes
055 Dare	125 Moore	195 Wilson
057 Davidson	127 Nash	197 Yadkin
059 Davie	129 New Hanover	199 Yancey

061 Duplin	131 Northampton
063 Durham	133 Onslow
065 Edgecombe	135 Orange
067 Forsyth	137 Pamlico
069 Franklin	139 Pasquotank

NORTH DAKOTA (ND) (38)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Adams	041 Hettinger	081 Sargent
003 Barnes	043 Kidder	083 Sheridan
005 Benson	045 LaMoure*	085 Sioux
007 Billings	047 Logan	087 Slope
009 Bottineau	049 McHenry	089 Stark
011 Bowman	051 McIntosh	091 Steele
013 Burke	053 McKenzie	093 Stutsman
015 Burleigh	055 McLean	095 Towner
017 Cass	057 Mercer	097 Traill
019 Cavalier	059 Morton	099 Walsh
021 Dickey	061 Mountrail*	101 Ward
023 Divide	063 Nelson	103 Wells
025 Dunn	065 Oliver	105 Williams
027 Eddy	067 Pembina	
029 Emmons	069 Pierce	
031 Foster	071 Ramsey	
033 Golden Valley	073 Ransom	
035 Grand Forks	075 Renville	

037 Grant 077 Richland
039 Griggs 079 Rolette

OHIO (OH) (39)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Adams	061 Hamilton	121 Noble
003 Allen	063 Hancock	123 Ottawa
005 Ashland	065 Hardin	125 Paulding
007 Ashtabula	067 Harrison	127 Perry
009 Athens	069 Henry	129 Pickaway
011 Auglaize	071 Highland	131 Pike
013 Belmont	073 Hocking	133 Portage
015 Brown	075 Holmes	135 Preble
017 Butler	077 Huron	137 Putnam
019 Carroll	079 Jackson	139 Richland
021 Champaign	081 Jefferson	141 Ross
023 Clark	083 Knox	143 Sandusky
025 Clermont	085 Lake	145 Scioto
027 Clinton	087 Lawrence	147 Seneca
029 Columbiana	089 Licking	149 Shelby
031 Coshocton	091 Logan	151 Stark
033 Crawford	093 Lorain	153 Summit
035 Cuyahoga	095 Lucas	155 Trumbull
037 Darke	097 Madison	157 Tuscarawas
039 Defiance	099 Mahoning	159 Union
041 Delaware	101 Marion	161 Van Wert
043 Erie	103 Medina	163 Vinton
045 Fairfield	105 Meigs	165 Warren
047 Fayette	107 Mercer	167 Washington
049 Franklin	109 Miami	169 Wayne
051 Fulton	111 Monroe	171 Williams
053 Gallia	113 Montgomery	173 Wood
055 Geauga	115 Morgan	175 Wyandot
057 Greene	117 Morrow	
059 Guernsey	119 Muskingum	

OKLAHOMA (OK) (40)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Adair	061 Haskell	121 Pittsburg
003 Alfalfa	063 Hughes	123 Pontotoc
005 Atoka	065 Jackson	125 Pottawatomie
007 Beaver	067 Jefferson	127 Pushmataha
009 Beckham	069 Johnston	129 Roger Mills
011 Blaine	071 Kay	131 Rogers
013 Bryan	073 Kingfisher	133 Seminole
015 Caddo	075 Kiowa	135 Sequoyah
017 Canadian	077 Latimer	137 Stephens
019 Carter	079 Le Flore	139 Texas

021 Cherokee	081 Lincoln	141 Tillman
023 Choctaw	083 Logan	143 Tulsa
025 Cimarron	085 Love	145 Wagoner
027 Cleveland	087 McClain	147 Washington
029 Coal	089 McCurtain	149 Washita

031 Comanche	091 McIntosh	151 Woods
033 Cotton	093 Major	153 Woodward
035 Craig	095 Marshall	
037 Creek	097 Mayes	
039 Custer	099 Murray	

041 Delaware	101 Muskogee	
043 Dewey	103 Noble	
045 Ellis	105 Nowata	
047 Garfield	107 Okfuskee	
049 Garvin	109 Oklahoma	

051 Grady	111 Okmulgee	
053 Grant	113 Osage	
055 Greer	115 Ottawa	
057 Harmon	117 Pawnee	
059 Harper	119 Payne	

OREGON (OR) (41)

CODE NAME	CODE NAME	CODE NAME
-----------	-----------	-----------

001 Baker	031 Jefferson	061 Union
003 Benton	033 Josephine	063 Wallowa
005 Clackamas	035 Klamath	065 Wasco
007 Clatsop	037 Lake	067 Washington
009 Columbia	039 Lane	069 Wheeler

011 Coos	041 Lincoln	071 Yamhill
013 Crook	043 Linn	
015 Curry	045 Malheur	
017 Deschutes	047 Marion	
019 Douglas	049 Morrow	

021 Gilliam	051 Multnomah	
023 Grant	053 Polk	
025 Harney	055 Sherman	
027 Hood River	057 Tillamook	
029 Jackson	059 Umatilla	

PENNSYLVANIA (PA) (42)

CODE NAME	CODE NAME	CODE NAME
-----------	-----------	-----------

001 Adams	051 Fayette	101 Philadelphia
003 Allegheny	053 Forest	103 Pike
005 Armstrong	055 Franklin	105 Potter
007 Beaver	057 Fulton	107 Schuylkill
009 Bedford	059 Greene	109 Snyder

011 Berks	061 Huntingdon	111 Somerset
-----------	----------------	--------------

013 Blair	063 Indiana	113 Sullivan
015 Bradford	065 Jefferson	115 Susquehanna
017 Bucks	067 Juniata	117 Tioga
019 Butler	069 Lackawanna	119 Union
021 Cambria	071 Lancaster	121 Venango
023 Cameron	073 Lawrence	123 Warren
025 Carbon	075 Lebanon	125 Washington
027 Centre	077 Lehigh	127 Wayne
029 Chester	079 Luzerne	129 Westmoreland
031 Clarion	081 Lycoming	131 Wyoming
033 Clearfield	083 McKean	133 York
035 Clinton	085 Mercer	
037 Columbia	087 Mifflin	
039 Crawford	089 Monroe	
041 Cumberland	091 Montgomery	
043 Dauphin	093 Montour	
045 Delaware	095 Northampton	
047 Elk	097 Northumberland	
049 Erie	099 Perry	

RHODE ISLAND (RI) (44)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Bristol	005 Newport	009 Washington
003 Kent	007 Providence	

SOUTH CAROLINA (SC) (45)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Abbeville	041 Florence	081 Saluda
003 Aiken	043 Georgetown	083 Spartanburg
005 Allendale	045 Greenville	085 Sumter
007 Anderson	047 Greenwood	087 Union
009 Bamberg	049 Hampton	089 Williamsburg
011 Barnwell	051 Horry	091 York
013 Beaufort	053 Jasper	
015 Berkeley	055 Kershaw	
017 Calhoun	057 Lancaster	
019 Charleston	059 Laurens	
021 Cherokee	061 Lee	
023 Chester	063 Lexington	
025 Chesterfield	065 McCormick	
027 Clarendon	067 Marion	
029 Colleton	069 Marlboro	
031 Darlington	071 Newberry	
033 Dillon	073 Oconee	
035 Dorchester	075 Orangeburg	
037 Edgefield	077 Pickens	
039 Fairfield	079 Richland	

SOUTH DAKOTA (SD) (46)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
003 Aurora	053 Gregory	103 Pennington
005 Beadle	055 Haakon	105 Perkins
007 Bennett	057 Hamlin	107 Potter
009 Bon Homme	059 Hand	109 Roberts
011 Brookings	061 Hanson	111 Sanborn
013 Brown	063 Harding	113 Shannon
015 Brule	065 Hughes	115 Spink
017 Buffalo	067 Hutchinson	117 Stanley
019 Butte	069 Hyde	119 Sully
021 Campbell	071 Jackson	121 Todd
023 Charles Mix	073 Jerauld	123 Tripp
025 Clark	075 Jones	125 Turner
027 Clay	077 Kingsbury	127 Union
029 Codington	079 Lake	129 Walworth
031 Corson	081 Lawrence	135 Yankton
033 Custer	083 Lincoln	137 Ziebach
035 Davison	085 Lyman	
037 Day	087 McCook	
039 Deuel	089 McPherson	
041 Dewey	091 Marshall	
043 Douglas	093 Meade	
045 Edmunds	095 Mellette	
047 Fall River	097 Miner	
049 Faulk	099 Minnehaha	
051 Grant	101 Moody	

TENNESSEE (TN) (47)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Anderson	071 Hardin	141 Putnam
003 Bedford	073 Hawkins	143 Rhea
005 Benton	075 Haywood	145 Roane
007 Bledsoe	077 Henderson	147 Robertson
009 Blount	079 Henry	149 Rutherford
011 Bradley	081 Hickman	151 Scott
013 Campbell	083 Houston	153 Sequatchie
015 Cannon	085 Humphreys	155 Sevier
017 Carroll	087 Jackson	157 Shelby
019 Carter	089 Jefferson	159 Smith
021 Cheatham	091 Johnson	161 Stewart
023 Chester	093 Knox	163 Sullivan
025 Claiborne	095 Lake	165 Sumner
027 Clay	097 Lauderdale	167 Tipton
029 Cocke	099 Lawrence	169 Trousdale
031 Coffee	101 Lewis	171 Unicoi
033 Crockett	103 Lincoln	173 Union

035 Cumberland	105 Loudon	175 Van Buren
037 Davidson	107 McMinn	177 Warren
039 Decatur	109 McNairy	179 Washington
041 DeKalb*	111 Macon	181 Wayne
043 Dickson	113 Madison	183 Weakley
045 Dyer	115 Marion	185 White
047 Fayette	117 Marshall	187 Williamson
049 Fentress	119 Maury	189 Wilson
051 Franklin	121 Meigs	
053 Gibson	123 Monroe	
055 Giles	125 Montgomery	
057 Grainger	127 Moore	
059 Greene	129 Morgan	
061 Grundy	131 Obion	
063 Hamblen	133 Overton	
065 Hamilton	135 Perry	
067 Hancock	137 Pickett	
069 Hardeman	139 Polk	

 TEXAS (TX) (48)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Anderson	171 Gillespie	341 Moore
003 Andrews	173 Glasscock	343 Morris
005 Angelina	175 Goliad	345 Motley
007 Aransas	177 Gonzales	347 Nacogdoches
009 Archer	179 Gray	349 Navarro
011 Armstrong	181 Grayson	351 Newton
013 Atascosa	183 Gregg	353 Nolan
015 Austin	185 Grimes	355 Nueces
017 Bailey	187 Guadalupe	357 Ochiltree
019 Bandera	189 Hale	359 Oldham
021 Bastrop	191 Hall	361 Orange
023 Baylor	193 Hamilton	363 Palo Pinto
025 Bee	195 Hansford	365 Panola
027 Bell	197 Hardeman	367 Parker
029 Bexar	199 Hardin	369 Parmer
031 Blanco	201 Harris	371 Pecos
033 Borden	203 Harrison	373 Polk
035 Bosque	205 Hartley	375 Potter
037 Bowie	207 Haskell	377 Presidio
039 Brazoria	209 Hays	379 Rains
041 Brazos	211 Hemphill	381 Randall
043 Brewster	213 Henderson	383 Reagan
045 Briscoe	215 Hidalgo	385 Real
047 Brooks	217 Hill	387 Red River
049 Brown	219 Hockley	389 Reeves
051 Burleson	221 Hood	391 Refugio
053 Burnet	223 Hopkins	393 Roberts
055 Caldwell	225 Houston	395 Robertson

057 Calhoun	227 Howard	397 Rockwall
059 Callahan	229 Hudspeth	399 Runnels
061 Cameron	231 Hunt	401 Rusk
063 Camp	233 Hutchinson	403 Sabine
065 Carson	235 Irion	405 San Augustine
067 Cass	237 Jack	407 San Jacinto
069 Castro	239 Jackson	409 San Patricio
071 Chambers	241 Jasper	411 San Saba
073 Cherokee	243 Jeff Davis	413 Schleicher
075 Childress	245 Jefferson	415 Scurry
077 Clay	247 Jim Hogg	417 Shackelford
079 Cochran	249 Jim Wells	419 Shelby
081 Coke	251 Johnson	421 Sherman
083 Coleman	253 Jones	423 Smith
085 Collin	255 Karnes	425 Somervell
087 Collingsworth	257 Kaufman	427 Starr
089 Colorado	259 Kendall	429 Stephens
091 Comal	261 Kenedy	431 Sterling
093 Comanche	263 Kent	433 Stonewall
095 Concho	265 Kerr	435 Sutton
097 Cooke	267 Kimble	437 Swisher
099 Coryell	269 King	439 Tarrant
101 Cottle	271 Kinney	441 Taylor
103 Crane	273 Kleberg	443 Terrell
105 Crockett	275 Knox	445 Terry
107 Crosby	277 Lamar	447 Throckmorton
109 Culberson	279 Lamb	449 Titus
111 Dallam	281 Lampasas	451 Tom Green
113 Dallas	283 La Salle	453 Travis
115 Dawson	285 Lavaca	455 Trinity
117 Deaf Smith	287 Lee	457 Tyler
119 Delta	289 Leon	459 Upshur
121 Denton	291 Liberty	461 Upton
123 DeWitt*	293 Limestone	463 Uvalde
125 Dickens	295 Lipscomb	465 Val Verde
127 Dimmit	297 Live Oak	467 Van Zandt
129 Donley	299 Llano	469 Victoria
131 Duval	301 Loving	471 Walker
133 Eastland	303 Lubbock	473 Waller
135 Ector	305 Lynn	475 Ward
137 Edwards	307 McCulloch	477 Washington
139 Ellis	309 McLennan	479 Webb
141 El Paso	311 McMullen	481 Wharton
143 Erath	313 Madison	483 Wheeler
145 Falls	315 Marion	485 Wichita
147 Fannin	317 Martin	487 Wilbarger
149 Fayette	319 Mason	489 Willacy
151 Fisher	321 Matagorda	491 Williamson
153 Floyd	323 Maverick	493 Wilson
155 Foard	325 Medina	495 Winkler

157 Fort Bend	327 Menard	497 Wise
159 Franklin	329 Midland	499 Wood
161 Freestone	331 Milam	501 Yoakum
163 Frio	333 Mills	503 Young
165 Gaines	335 Mitchell	505 Zapata
167 Galveston	337 Montague	507 Zavala
169 Garza	339 Montgomery	

UTAH (UT) (49)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Beaver	021 Iron	041 Sevier
003 Box Elder	023 Juab	043 Summit
005 Cache	025 Kane	045 Tooele
007 Carbon	027 Millard	047 Uintah
009 Daggett	029 Morgan	049 Utah
011 Davis	031 Piute	051 Wasatch
013 Duchesne	033 Rich	053 Washington
015 Emery	035 Salt Lake	055 Wayne
017 Garfield	037 San Juan	057 Weber
019 Grand	039 Sanpete	

VERMONT (VT) (50)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Addison	011 Franklin	021 Rutland
003 Bennington	013 Grand Isle	023 Washington
005 Caledonia	015 Lamoille	025 Windham
007 Chittenden	017 Orange	027 Windsor
009 Essex	019 Orleans	

VIRGINIA (VA) (51)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
001 Accomack	075 Goochland	153 Prince William
003 Albemarle	077 Grayson	155 Pulaski
005 Alleghany	079 Greene	157 Rappahannock
007 Amelia	081 Greensville	159 Richmond
009 Amherst	083 Halifax	161 Roanoke
011 Appomattox	085 Hanover	163 Rockbridge
013 Arlington	087 Henrico	165 Rockingham
015 Augusta	089 Henry	167 Russell
017 Bath	091 Highland	169 Scott
019 Bedford	093 Isle of Wight	171 Shenandoah
021 Bland	095 James City	173 Smyth
023 Botetourt	097 King and Queen	175 Southampton
025 Brunswick	099 King George	177 Spotsylvania
027 Buchanan	101 King William	179 Stafford
029 Buckingham	103 Lancaster	181 Surry
031 Campbell	105 Lee	183 Sussex

033	Caroline	107	Loudoun	185	Tazewell
035	Carroll	109	Louisa	187	Warren
036*	Charles City	111	Lunenburg	191	Washington
037*	Charlotte	113	Madison	193	Westmoreland
041	Chesterfield	115	Mathews	195	Wise
043	Clarke	117	Mecklenburg	197	Wythe
045	Craig	119	Middlesex	199	York
047	Culpeper	121	Montgomery		
049	Cumberland	125	Nelson		
051	Dickenson	127	New Kent		
053	Dinwiddie	131	Northampton		
057	Essex	133	Northumberland		
059	Fairfax	135	Nottoway		
061	Fauquier	137	Orange		
063	Floyd	139	Page		
065	Fluvanna	141	Patrick		
067	Franklin	143	Pittsylvania		
069	Frederick	145	Powhatan		
071	Giles	147	Prince Edward		
073	Gloucester	149	Prince George		

INDEPENDENT CITIES of Virginia

CODE NAME	CODE NAME
-----	-----
510 Alexandria (city)	683 Manassas (city)
515 Bedford (city)	685 Manassas Park (city)
520 Bristol (city)	690 Martinsville (city)
530 Buena Vista (city)	700 Newport News (city)
540 Charlottesville (city)	710 Norfolk (city)
550 Chesapeake (city)	720 Norton (city)
560 Clifton Forge (city)	730 Petersburg (city)
570 Colonial Heights (city)	735 Poquoson (city)
580 Covington (city)	740 Portsmouth (city)
590 Danville (city)	750 Radford (city)
595 Emporia (city)	760 Richmond (city)
600 Fairfax (city)	770 Roanoke (city)
610 Falls Church (city)	775 Salem (city)
620 Franklin (city)	780 South Boston (city)
630 Fredericksburg (city)	790 Staunton (city)
640 Galax (city)	800 Suffolk (city)
650 Hampton (city)	810 Virginia Beach (city)
660 Harrisonburg (city)	820 Waynesboro (city)
670 Hopewell (city)	830 Williamsburg (city)
678 Lexington (city)	840 Winchester (city)
680 Lynchburg (city)	

~~~~~

The codes for Charles City and Charlotte Counties, reported respectively as 037 and 039 in FIPS PUB 6-3, have been corrected. The Bureau of Economic Analysis, U.S. Department of Commerce has defined codes in the 900 series to represent county/independent city combinations in Virginia.

-----

WASHINGTON (WA) (53)

| CODE NAME        | CODE NAME        | CODE NAME       |
|------------------|------------------|-----------------|
| 001 Adams        | 031 Jefferson    | 061 Snohomish   |
| 003 Asotin       | 033 King         | 063 Spokane     |
| 005 Benton       | 035 Kitsap       | 065 Stevens     |
| 007 Chelan       | 037 Kittitas     | 067 Thurston    |
| 009 Clallam      | 039 Klickitat    | 069 Wahkiakum   |
| 011 Clark        | 041 Lewis        | 071 Walla Walla |
| 013 Columbia     | 043 Lincoln      | 073 Whatcom     |
| 015 Cowlitz      | 045 Mason        | 075 Whitman     |
| 017 Douglas      | 047 Okanogan     | 077 Yakima      |
| 019 Ferry        | 049 Pacific      |                 |
| 021 Franklin     | 051 Pend Oreille |                 |
| 023 Garfield     | 053 Pierce       |                 |
| 025 Grant        | 055 San Juan     |                 |
| 027 Grays Harbor | 057 Skagit       |                 |
| 029 Island       | 059 Skamania     |                 |

WEST VIRGINIA (WV) (54)

| CODE NAME      | CODE NAME      | CODE NAME    |
|----------------|----------------|--------------|
| 001 Barbour    | 041 Lewis      | 081 Raleigh  |
| 003 Berkeley   | 043 Lincoln    | 083 Randolph |
| 005 Boone      | 045 Logan      | 085 Ritchie  |
| 007 Braxton    | 047 McDowell   | 087 Roane    |
| 009 Brooke     | 049 Marion     | 089 Summers  |
| 011 Cabell     | 051 Marshall   | 091 Taylor   |
| 013 Calhoun    | 053 Mason      | 093 Tucker   |
| 015 Clay       | 055 Mercer     | 095 Tyler    |
| 017 Doddridge  | 057 Mineral    | 097 Upshur   |
| 019 Fayette    | 059 Mingo      | 099 Wayne    |
| 021 Gilmer     | 061 Monongalia | 101 Webster  |
| 023 Grant      | 063 Monroe     | 103 Wetzel   |
| 025 Greenbrier | 065 Morgan     | 105 Wirt     |
| 027 Hampshire  | 067 Nicholas   | 107 Wood     |
| 029 Hancock    | 069 Ohio       | 109 Wyoming  |
| 031 Hardy      | 071 Pendleton  |              |
| 033 Harrison   | 073 Pleasants  |              |
| 035 Jackson    | 075 Pocahontas |              |
| 037 Jefferson  | 077 Preston    |              |
| 039 Kanawha    | 079 Putnam     |              |

WISCONSIN (WI) (55)

| CODE NAME    | CODE NAME     | CODE NAME    |
|--------------|---------------|--------------|
| 001 Adams    | 051 Iron      | 099 Price    |
| 003 Ashland  | 053 Jackson   | 101 Racine   |
| 005 Barron   | 055 Jefferson | 103 Richland |
| 007 Bayfield | 057 Juneau    | 105 Rock     |
| 009 Brown    | 059 Kenosha   | 107 Rusk     |

|                 |               |                 |
|-----------------|---------------|-----------------|
| 011 Buffalo     | 061 Kewaunee  | 109 St. Croix   |
| 013 Burnett     | 063 La Crosse | 111 Sauk        |
| 015 Calumet     | 065 Lafayette | 113 Sawyer      |
| 017 Chippewa    | 067 Langlade  | 115 Shawano     |
| 019 Clark       | 069 Lincoln   | 117 Sheboygan   |
|                 |               |                 |
| 021 Columbia    | 071 Manitowoc | 119 Taylor      |
| 023 Crawford    | 073 Marathon  | 121 Trempealeau |
| 025 Dane        | 075 Marinette | 123 Vernon      |
| 027 Dodge       | 077 Marquette | 125 Vilas       |
| 029 Door        | 078 Menominee | 127 Walworth    |
|                 |               |                 |
| 031 Douglas     | 079 Milwaukee | 129 Washburn    |
| 033 Dunn        | 081 Monroe    | 131 Washington  |
| 035 Eau Claire  | 083 Oconto    | 133 Waukesha    |
| 037 Florence    | 085 Oneida    | 135 Waupaca     |
| 039 Fond du Lac | 087 Outagamie | 137 Waushara    |
|                 |               |                 |
| 041 Forest      | 089 Ozaukee   | 139 Winnebago   |
| 043 Grant       | 091 Pepin     | 141 Wood        |
| 045 Green       | 093 Pierce    |                 |
| 047 Green Lake  | 095 Polk      |                 |
| 049 Iowa        | 097 Portage   |                 |

-----  
WYOMING (WY) (56)

| CODE NAME       | CODE NAME      | CODE NAME    |
|-----------------|----------------|--------------|
| -----           | -----          | -----        |
| 001 Albany      | 021 Laramie    | 041 Uinta    |
| 003 Big Horn    | 023 Lincoln    | 043 Washakie |
| 005 Campbell    | 025 Natrona    | 045 Weston   |
| 007 Carbon      | 027 Niobrara   |              |
| 009 Converse    | 029 Park       |              |
|                 |                |              |
| 011 Crook       | 031 Platte     |              |
| 013 Fremont     | 033 Sheridan   |              |
| 015 Goshen      | 035 Sublette   |              |
| 017 Hot Springs | 037 Sweetwater |              |
| 019 Johnson     | 039 Teton      |              |

-----  
APPENDIX A

County-Equivalent Entities of the U.S. Possessions

AMERICA SAMOA (AS) (60)  
(District/Island Names are used instead of County Names)

| CODE NAME              | CODE NAME              |
|------------------------|------------------------|
| -----                  | -----                  |
| 010 Eastern (District) | 040 Swains Island      |
| 020 Manu'a (District)  | 050 Western (District) |
| 030 Rose Island        |                        |

~~~~~  
"Island" is part of the name of Rose Island and Swains Island. The entities called "counties" in American Samoa are subdivisions of the districts, and therefore are second-order subdivisions of American Samoa.

GUAM (GU) (66)

CODE NAME

010 Guam

~~~~~  
Guam has no first-order subdivisions, and therefore  
"Guam" also serves as the county-equivalent entity.

-----  
NORTHERN MARIANA ISLANDS (MP) (69)  
(Municipality Names are used instead of County Names.)

CODE NAME            CODE NAME

-----

085 Northern Islands    110 Saipan  
100 Rota                120 Tinian

-----  
PALAU (PW) (70)

CODE NAME            CODE NAME            CODE NAME

-----

002 Aimeliik        212 Melekeok\*    227\* Ngernmlengui\*  
004 Airai            214 Ngaraard    228 Ngjwal

PUERTO RICO (PR) (72)  
(Municipio Names are used instead of County Names.)

CODE NAME            CODE NAME            CODE NAME

-----

001 Adjuntas        059 Guayanilla    119 Rio Grande  
003 Aguada          061 Guaynabo     121 Sabana Grande  
005 Aguadilla      063 Gurabo        123 Salinas  
007 Aguas Buenas   065 Hatillo       125 San German  
009 Aibonito        067 Hormigueros   127 San Juan

011 Anasco          069 Humacao      129 San Lorenzo  
013 Arecibo         071 Isabela       131 San Sebastian  
015 Arroyo          073 Jayuya        133 Santa Isabel  
017 Barceloneta    075 Juana Diaz    135 Toa Alta  
019 Barranquitas   077 Juncos        137 Toa Baja

021 Bayamo'n        079 Lajas          139 Trujillo Alto  
023 Cabo Rojo       081 Lares          141 Utuado  
025 Caguas          083 Las Marias    143 Vega Alta  
027 Camuy           085 Las Piedras   145 Vega Baja  
029 Canovanas      087 Loiza          147 Vieques

031 Carolina        089 Luquillo      149 Villalba  
033 Catano          091 Manati        151 Yabucoa  
035 Cayey           093 Maricao        153 Yauco  
037 Ceiba           095 Maunabo  
039 Ciales          097 Mayaguez

041 Cidra           099 Moca  
043 Coamo           101 Morovis  
045 Comerio        103 Naguabo  
047 Corozal        105 Naranjito  
049 Culebra        107 Orocovis

051 Dorado          109 Patillas

|             |                  |
|-------------|------------------|
| 053 Fajardo | 111 Penuelas     |
| 054 Florida | 113 Ponce        |
| 055 Guanica | 115 Quebradillas |
| 057 Guayama | 117 Rincon       |

-----  
 U.S. MINOR OUTLYING ISLANDS (UM) (74)  
 (Island Names are used instead of County Names.)

| CODE NAME           | CODE NAME          |
|---------------------|--------------------|
| -----               | -----              |
| 050 Baker Island    | 300 Midway Islands |
| 100 Howland Island  | 350 Navassa Island |
| 150 Jarvis Island   | 400 Palmyra Atoll  |
| 200 Johnston Island | 450 Wake Island    |
| 250 Kingman Reef    |                    |

~~~~~  
 A FIPS State numeric code is available for each area; FIPS PUB 5-2 identifies the codes and explains their usage. The State codes can be used in combination with the "county" codes listed here.

 VIRGIN ISLANDS OF THE UNITED STATES (VI) (78)
 (Island Names are used instead of County Names.)

CODE NAME	CODE NAME	CODE NAME
-----	-----	-----
010 St. Croix	020 St. John	030 St. Thomas

010 Angaur	218 Ngarchelong	350 Peleliu
050* Hatoboheit*	222 Ngardmau	370 Sonsorol
100 Kayangel	224 Ngatpang	
150 Koror	226 Ngchesar	

~~~~~  
 Palau also is known as Belau, and may be referred to as the "Republic of ...". Changes since recognition of Palau in Change Notice No. 9 to FIPS PUB 6-3: The first-order subdivisions of Palau have been revised from municipalities to states; the name of Melekeiok has been revised to Melekeok; the name and code for Ngaremlengui (223) have been revised to Ngeremlengui (227); the name and code for Tobi (380) have been revised to Hatobohei (050); the Palau Islands (unorganized territory) (300) is no longer included because that area is part of Koror and Peleliu.

APPENDIX B

County-Equivalent Entities of the Freely Associated States

FEDERATED STATES OF MICRONESIA (FM) (64)

| CODE NAME   | CODE NAME     |
|-------------|---------------|
| -----       | -----         |
| 002* Chuuk* | 040 Pohnpeit* |
| 005 Kosrae  | 060 Yap       |

~~~~~  
 The Federated States of Micronesia (FSM) became a freely associated state on 1986 November 3. Its first-order subdivisions

are called states. Changes since recognition of the FSM in Charge Notice No. 9 to FIPS PUB 6-3: Ponape was renamed Pohnpei (1984 November 8), and retained code 040; Truk (050) was renamed Chuuk (1989 October 1).

MARSHALL ISLANDS (MH) (68)

CODE NAME	CODE NAME	CODE NAME
007 Ailinginae	110 Jabat	320 Mili
010 Ailinglaplap	120 Jaluit	330 Namorik
030 Ailuk	130 Jemo*	340 Namu
040 Arno	140 Kili	350 Rongelap
050 Aur	150 Kwajalein	360 Rongrik
060 Bikar	160 Lae	385 Toke
070 Bikini	170 Lib	390 Ujae
073 Bokak	180 Likiep	400 Ujelang
080 Ebon	190 Majuro	410 Utrik
090 Enewetak	300 Maloelap	420 Wothe
100 Erikub	310 Mejit	430 Wotle

The Marshall Islands became a freely associated state on 1986 November 3. Its first-order subdivisions also may be referred to as "islands" and "atolls." Since the recognition of the Marshall Islands in Charge Notice No. 9, Jemo has been revised from Jemo Island to a municipality. Toke also may be spelled "Taka."

PHIN Vocabulary Domain Name : City Codes

PHIN Vocabulary Domain Code : CityCodes

PHIN Vocabulary Domain ID :2

PHIN Vocabulary Domain Definition : FIPS city codes are 5-digit identifiers and are created by the U.S. Department of Commerce for cities which appear in the National ZIP Code Directory. When used in conjunction with a 2-character state code, the FIPS city code uniquely identifies any named populated place or entity in the nation

PHIN Vocabulary Domain Keywords : City Code, FIPS City Code

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: n/a

Recommended Code System : FIPS (Federal Information Processing Standard)

Recommended Code System Version: FIPS / USPS

Recommended Code System Reference ID : N/A

Recommended Code System Hyperlink :

Home page for FIPS: <http://www.itl.nist.gov/fipspubs/>

Recommended Code System Concept Enumeration: Complete (This is presented for illustrative purposes only)

PHIN Vocabulary Domain Name : Metropolitan Area Codes

PHIN Vocabulary Domain Code : MetropolitanAreaCodes

PHIN Vocabulary Domain ID :2

PHIN Vocabulary Domain Definition : This standard specifies titles, components, and identification codes for the Metropolitan Areas (MAs) of the United States and Puerto Rico, including units called Metropolitan Statistical Areas (MSAs), Consolidated Metropolitan Statistical Areas (CMSAs), and Primary Metropolitan Statistical Areas (PMSAs), and related units called New England County Metropolitan Areas (NECMAs).

PHIN Vocabulary Domain Keywords : County Code, FIPS County Code

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments: Standard definitions of MAs, are issued by the Office of Management and Budget (OMB) to be used in the presentation of statistics by agencies of the Federal Government. OMB establishes the geographic definition of each area following detailed technical criteria and with the advice of the interagency Federal Executive Committee on Metropolitan Areas.

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: n/a

Recommended Code System : FIPS (Federal Information Processing Standard)

Recommended Code System Version: FIPS PUB 8-6

Recommended Code System Reference ID : N/A

Recommended Code System Hyperlink :

<http://www.itl.nist.gov/fipspubs/fip8-6-0.htm> ;

<http://www.itl.nist.gov/fipspubs/fip8-6-1.htm>

Recommended Code System Concept Enumeration: Complete (This is presented for illustrative purposes only)

TABLE 1: METROPOLITAN AREAS AND PRIMARY METROPOLITAN STATISTICAL AREAS OF THE UNITED STATES AND PUERTO RICO

(P)MSA - LEVEL - CMSA - POSTAL - STATE - COUNTY - PLACE - SMAS

0040 C

Abilene, Texas

TX 48

441

Taylor County

0060 C

Aguadilla, Puerto Rico

PR 72

003

Aguada Municipio

005

Aguadilla Municipio

099

Moca Municipio

0080 B 28

Akron, Ohio

OH 39

		133	Portage County
		153	Summit County
0120 C			
.....			
Albany, Georgia			
	GA	13	
		095	Dougherty County
		177	Lee County
0160 B			
.....			
Albany-Schenectady-Troy, New York			
	NY	36	
		001	Albany County
		057	Montgomery County
		083	Rensselaer County
		091	Saratoga County
		093	Schenectady County
		095	Schoharie County
0200 B			
.....			
Albuquerque, New Mexico			
	NM	35	
		001	Bernalillo County
		043	Sandoval County
		061	Valencia County
0220 C			
.....			
Alexandria, Louisiana			
	LA	22	
		079	Rapides Parish
0240 B			
.....			
Allentown-Bethlehem-Easton, Pennsylvania			
	PA	42	
		025	Carbon County
		077	Lehigh County
		095	Northampton County
0280 C			
.....			
Altoona, Pennsylvania			
	PA	42	
		013	Blair County
0320 C			
.....			
Amarillo, Texas			
	TX	48	
		375	Potter County
		381	Randall County
0380 C			
.....			
Anchorage, Alaska			
	AK	02	

		020	Anchorage Borough
0440 B	35		
.....			
Ann Arbor, Michigan			
	MI	26	
		091	Lenawee County
		093	Livingston County
		161	Washtenaw County
0450 C			
.....			
Anniston, Alabama			
	AL	01	
		015	Calhoun County
0460 B			
.....			
Appleton-Oshkosh-Neenah, Wisconsin			
	WI	55	
		015	Calumet County
		087	Outagamie County
		139	Winnebago County
0470 C	87		
.....			
Arecibo, Puerto Rico			
	PR	72	
		013	Arecibo Municipio
		027	Camuy Municipio
		065	Hatillo Municipio
0480 C			
.....			
Asheville, North Carolina			
	NC	37	
		021	Buncombe County
		115	Madison County
0500 C			
.....			
Athens, Georgia			
	GA	13	
		059	Clarke County
		195	Madison County
		219	Oconee County
0520 A			
.....			
Atlanta, Georgia			
	GA	13	
		013	Barrow County
		015	Bartow County
		045	Carroll County
		057	Cherokee County
		063	Clayton County
		067	Cobb County
		077	Coweta County
		089	De Kalb County
		097	Douglas County
		113	Fayette County
		117	Forsyth County

121	Fulton County
135	Gwinnett County
151	Henry County
217	Newton County
223	Paulding County
227	Pickens County
247	Rockdale County
255	Spalding County
297	Walton County

0560 B 77
Atlantic-Cape May, New Jersey
NJ 34
001 Atlantic County
009 Cape May County

0600 B
.....
Augusta-Aiken, Georgia-South Carolina
GA 13 Georgia portion
073 Columbia County
189 McDuffie County
245 Richmond County
SC 45 South Carolina portion
003 Aiken County
037 Edgefield County

0640 B
.....
Austin-San Marcos, Texas
TX 48
021 Bastrop County
055 Caldwell County
209 Hays County
453 Travis County
491 Williamson County

0680 B
.....
Bakersfield, California
CA 06
029 Kern County

0720 A 97
Baltimore, Maryland
MD 24
003 Anne Arundel County
005 Baltimore County
013 Carroll County
025 Harford County
027 Howard County
035 Queen Anne's County
510 Baltimore city

0730 D
.....
Bangor, Maine
ME 23
019 Penobscot county (part)
02795 Bangor city

		06925	Brewer city
		22535	Eddington town
		27645	Glenburn town
		30795	Hampden town
		32510	Hermon town
		33490	Holden town
		36325	Kenduskeag town
		45670	Milford town
		55225	Old Town city
		55540	Orono town
		55680	Orrington town
		57937	Penobscot Indian Island
Reservation			
		78780	Veazie town
	027		Waldo county (part)
		86760	Winterport town
0740 C			
.....			
Barnstable-Yarmouth, Massachusetts			
	MA	25	
		001	Barnstable county (part)
		03635	Barnstable town
		07980	Brewster town
		12995	Chatham town
		16775	Dennis town
		19295	Eastham town
		29020	Harwich town
		39100	Mashpee town
		51440	Orleans town
		59735	Sandwich town
		82525	Yarmouth town
0760 B			
.....			
Baton Rouge, Louisiana			
	LA	22	
		033	East Baton Rouge Parish
		063	Livingston Parish
		121	West Baton Rouge Parish
0840 B			
.....			
Beaumont-Port Arthur, Texas			
	TX	48	
		199	Hardin County
		245	Jefferson County
		361	Orange County
0860 C			
.....			
Bellingham, WA			
	WA	53	
		073	Whatcom County
0870 C			
.....			
Benton Harbor, Michigan			
	MI	26	
		021	Berrien County

0875 A 70
 Bergen-Passaic, New Jersey
 NJ 34
 003 Bergen County
 031 Passaic County

0880 C

 Billings, Montana
 MT 30
 111 Yellowstone County

0920 B

 Biloxi-Gulfport-Pascagoula, Mississippi
 MS 28
 045 Hancock County
 047 Harrison County
 059 Jackson County

0960 B

 Binghamton, New York
 NY 36
 007 Broome County
 107 Tioga County

1000 B

 Birmingham, Alabama
 AL 01
 009 Blount County
 073 Jefferson County
 115 St. Clair County
 117 Shelby County

1010 D

 Bismarck, North Dakota
 ND 38
 015 Burleigh County
 059 Morton County

1020 C

 Bloomington, Indiana
 IN 18
 105 Monroe County

1040 C

 Bloomington-Normal, Illinois
 IL 17
 113 McLean County

1080 B

 Boise City, Idaho
 ID 16

001 Ada County
027 Canyon County

1120 A 07
Boston, Massachusetts-New Hampshire

MA 25 Massachusetts portion
005 Bristol county (part)
05280 Berkley town
16950 Dighton town
38225 Mansfield town
49970 Norton town
69170 Taunton city

1120 A 07
Boston, Massachusetts-New Hampshire (continued)

MA 25 Massachusetts portion (continued)

009 Essex county (part)
01185 Amesbury town
05595 Beverly city
16250 Danvers town
21850 Essex town
26150 Gloucester city
27900 Hamilton town
32310 Ipswich town
37490 Lynn city
37560 Lynnfield town
44700 Manchester town
38400 Marblehead town
41095 Middleton town
43580 Nahant town
45175 Newbury town
45245 Newburyport city
52490 Peabody city
57880 Rockport town
58405 Rowley town
59105 Salem city
59245 Salisbury town
60015 Saugus town
68645 Swampscott town
70150 Topsfield town
74595 Wenham town
017 Middlesex county (part)
00380 Acton town
01605 Arlington town
02130 Ashland town
03005 Ayer town
04615 Bedford town
05070 Belmont town
07350 Boxborough town
09840 Burlington town
11000 Cambridge city
11525 Carlisle town
15060 Concord town
21990 Everett city
24925 Framingham town
30700 Holliston town
31085 Hopkinton town
31540 Hudson town

1120 A 07

Boston, Massachusetts-New Hampshire (continued)

MA	25		Massachusetts portion (continued)
		017	Middlesex county (part) (continued)
		35215	Lexington town
		35425	Lincoln town
		35950	Littleton town
		37875	Malden city
		38715	Marlborough city
		39625	Maynard town
		39835	Medford city
		40115	Melrose city
		43895	Natick town
		45560	Newton city
		48955	North Reading town
		56130	Reading town
		61380	Sherborn town
		61590	Shirley town
		62535	Somerville city
		67665	Stoneham town
		68050	Stow town
		68260	Sudbury town
		70360	Townsend town
		72215	Wakefield town
		72600	Waltham city
		73405	Watertown town
		77255	Wayland town
		83430	Weston town
		80230	Wilmington town
		80510	Winchester town
		81035	Woburn city
		021	Norfolk county (part)
		04930	Bellingham town
		07665	Braintree town
		09175	Brookline town
		11315	Canton town
		14640	Cohasset town
		16495	Dedham town
		17405	Dover town
		24820	Foxborough town
		25065	Franklin town
		30455	Holbrook town
		39765	Medfield town
		39975	Medway town
		41515	Millis town
		41690	Milton town
		44105	Needham town

1120 A 07

Boston, Massachusetts-New Hampshire (continued)

MA	25		Massachusetts portion (continued)
		021	Norfolk county (part) (continued)
		46050	Norfolk town
		50250	Norwood town
		54100	Plainville town
		55745	Quincy city
		55955	Randolph town
		60785	Sharon town
		67945	Stoughton town
		72495	Walpole town
		74175	Wellesley town

			78690	Westwood town
			78865	Weymouth town
			82315	Wrentham town
		023		Plymouth county (part)
			11665	Carver town
			17895	Duxbury town
			28285	Hanover town
			30210	Hingham town
			31645	Hull town
			33220	Kingston town
			38855	Marshfield town
			50145	Norwell town
			52630	Pembroke town
			54310	Plymouth town
			57775	Rockland town
			60330	Scituate town
			72985	Wareham town
		025		Suffolk county
			07000	Boston city
			13205	Chelsea city
			56585	Revere city
			80930	Winthrop town
		027		Worcester county (part)
			05490	Berlin town
			06015	Blackstone town
			06365	Bolton town
			28950	Harvard town
			30945	Hopedale town
			34165	Lancaster town
			40255	Mendon town
1120 A	07	.....	
Boston, Massachusetts-New Hampshire (continued)				
	MA	25		Massachusetts portion (continued)
			027	Worcester county (part) (continued)
			41165	Milford town
			41585	Millville town
			63165	Southborough town
			71480	Upton town
	NH	33		New Hampshire portion
			015	Rockingham county (part)
			68260	Seabrook town
			71140	South Hampton town
1125 C	34	.....	
Boulder-Longmont, Colorado				
	CO	08		
			013	Boulder County
1145 C	42	.....	
Brazoria, Texas				
	TX	48		
			039	Brazoria County
1150 C	91	.....	
Bremerton, WA				
	WA	53		
			035	Kitsap County
1160 B	70	.....	

Bridgeport, Connecticut
CT 09

001	Fairfield county (part)
08000	Bridgeport city
23890	Easton town
26620	Fairfield town
48620	Monroe town
68100	Shelton city
74190	Stratford town
77200	Trumbull town
009	New Haven county (part)
01150	Ansonia city
03250	Beacon Falls town
19480	Derby city
47500	Milford city
58300	Oxford town
67610	Seymour town

1200 C 07
Brockton, Massachusetts

MA 25

005	Bristol county (part)
20100	Easton town
56060	Raynham town
021	Norfolk county (part)
02935	Avon town
023	Plymouth county (part)
00170	Abington town
08085	Bridgewater town
09000	Brockton city
18455	East Bridgewater town
27795	Halifax town
28495	Hanson town
33920	Lakeville town
40850	Middleborough town
54415	Plympton town
75260	West Bridgewater town
79530	Whitman town

1240 B
.....
Brownsville-Harlingen-San Benito, Texas

TX 48

061 Cameron County

1260 C
.....
Bryan-College Station, Texas

TX 48

041 Brazos County

1280 A
.....
Buffalo-Niagara Falls, New York

NY 36

029 Erie County
063 Niagara County

1305 C
.....

Burlington, Vermont

VT 50

007		Chittenden county (part)
	10675	Burlington city
	13300	Charlotte town
	14875	Colchester town
	24175	Essex town
	33475	Hinesburg town
	36700	Jericho town
	45250	Milton town
	59275	Richmond town
	62050	St. George town
	64300	Shelburne town

1305 C

Burlington, Vermont (continued)

VT 50

007		Chittenden county (part) (continued)
	66175	South Burlington city
	84475	Williston town
	85150	Winooski city
011		Franklin county (part)
	24925	Fairfax town
	27700	Georgia town
	61675	St. Albans city
	61750	St. Albans town
	71725	Swanton town
013		Grand Isle county (part)
	29275	Grand Isle town
	67000	South Hero town

1310 B 87

Caguas, Puerto Rico

PR 72

025		Caguas Municipio
035		Cayey Municipio
041		Cidra Municipio
063		Gurabo Municipio
129		San Lorenzo Municipio

1320 B

Canton-Massillon, Ohio

OH 39

019		Carroll County
151		Stark County

1350 D

Casper, Wyoming

WY 56

025		Natrona County
-----	--	----------------

1360 C

Cedar Rapids, Iowa

IA 19

113		Linn County
-----	--	-------------

1400 C
.....
Champaign-Urbana, Illinois
 IL 17
 019 Champaign County

1440 B
.....
Charleston-North Charleston, South Carolina
 SC 45
 015 Berkeley County
 019 Charleston County
 035 Dorchester County

1480 B
.....
Charleston, West Virginia
 WV 54
 039 Kanawha County
 079 Putnam County

1520 A
.....
Charlotte-Gastonia-Rock Hill, North Carolina-South Carolina
 NC 37 North Carolina portion
 025 Cabarrus County
 071 Gaston County
 109 Lincoln County
 119 Mecklenburg County
 159 Rowan County
 179 Union County
 SC 45 South Carolina portion
 091 York County

1540 C
.....
Charlottesville, Virginia
 VA 51
 003 Albemarle County
 065 Fluvanna County
 079 Greene County
 540 Charlottesville city

1560 B
.....
Chattanooga, Tennessee-Georgia
 TN 47 Tennessee portion
 065 Hamilton County
 GA 13 Georgia portion
 047 Catoosa County
 083 Dade County
 295 Walker County

1580 D
.....
Cheyenne, Wyoming
 WY 56
 021 Laramie County

1600 A 14

Chicago, Illinois

IL 17

031 Cook County
037 DeKalb County
043 Du Page County

1600 A 14
Chicago, Illinois (continued)

IL 17

063 Grundy County
089 Kane County
093 Kendall County
097 Lake County
111 McHenry County
197 Will County

1620 A

.....
Chico-Paradise, California

CA 06

007 Butte County

1640 C 21
Cincinnati, Ohio-Kentucky-Indiana

OH 39

Ohio portion

015 Brown County
025 Clermont County
061 Hamilton County
165 Warren County

KY 21

Kentucky portion

015 Boone County
037 Campbell County
077 Gallatin County
081 Grant County
117 Kenton County
191 Pendleton County

IN 18

Indiana portion

029 Dearborn County
115 Ohio County

1660 A

.....
Clarksville-Hopkinsville, Tennessee-Kentucky

TN 47

Tennessee portion

125 Montgomery County

KY 21

Kentucky portion

047 Christian County

1680 A 28
Cleveland-Lorain-Elyria, Ohio

OH 39

007 Ashtabula County
035 Cuyahoga County
055 Geauga County
085 Lake County
093 Lorain County
103 Medina County

1720 B

.....

Colorado Springs, Colorado
CO 08
041 El Paso County

1740 C
.....
Columbia, Missouri
MO 29
019 Boone County

1760 B
.....
Columbia, South Carolina
SC 45
063 Lexington County
079 Richland County

1800 B
.....
Columbus, Georgia-Alabama
GA 13 Georgia portion
053 Chattahoochee County
145 Harris County
215 Muscogee County
AL 01 Alabama portion
113 Russell County

1840 A
.....
Columbus, Ohio
OH 39
041 Delaware County
045 Fairfield County
049 Franklin County
089 Licking County
097 Madison County
129 Pickaway County

1880 B
.....
Corpus Christi, Texas
TX 48
355 Nueces County
409 San Patricio County

1900 C
.....
Cumberland, Maryland-West Virginia
MD 24 Maryland portion
001 Allegany County
WV 54 West Virginia portion
057 Mineral County

1920 A 31
Dallas, Texas
TX 48
085 Collin County
113 Dallas County
121 Denton County
139 Ellis County

213	Henderson County
231	Hunt County
257	Kaufman County
397	Rockwall County

1930 C 70

Danbury, Connecticut
 CT 09

001	Fairfield county (part)
04720	Bethel town
08980	Brookfield town
18430	Danbury city
50860	New Fairfield town
52980	Newtown town
63480	Redding town
63970	Ridgefield town
68310	Sherman town
005	Litchfield county (part)
08210	Bridgewater town
52630	New Milford town
65930	Roxbury town
79720	Washington town

1950 C

.....

Danville, Virginia
 VA 51

143	Pittsylvania County
590	Danville city

1960 B

.....

Davenport-Moline-Rock Island, Iowa-Illinois

IA 19	Iowa portion
163	Scott County
IL 17	Illinois portion
073	Henry County
161	Rock Island County

2000 B

.....

Dayton-Springfield, Ohio
 OH 39

023	Clark County
057	Greene County
109	Miami County
113	Montgomery County

2020 B

.....

Daytona Beach, Florida
 FL 12

035	Flagler County
127	Volusia County

2030 A

.....

Decatur, Alabama
 AL 01

079	Lawrence County
-----	-----------------

		103	Morgan County
.....			
2040 C			
.....			
Decatur, Illinois	IL	17	
		115	Macon County
.....			
2080 A 34			
.....			
Denver, Colorado	CO	08	
		001	Adams County
		005	Arapahoe County
		031	Denver County
		035	Douglas County
		059	Jefferson County
.....			
2120 B			
.....			
Des Moines, Iowa	IA	19	
		049	Dallas County
		153	Polk County
		181	Warren County
.....			
2160 A 35			
.....			
Detroit, Michigan	MI	26	
		087	Lapeer County
		099	Macomb County
		115	Monroe County
		125	Oakland County
		147	St. Clair County
		163	Wayne County
.....			
2180 C			
.....			
Dothan, Alabama	AL	01	
		045	Dale County
		069	Houston County
.....			
2190 C			
.....			
Dover, Delaware	DE	10	
		001	Kent County
.....			
2200 D			
.....			
Dubuque, Iowa	IA	19	
		061	Dubuque County
.....			
2240 C			
.....			
Duluth-Superior, Minnesota-Wisconsin	MN	27	Minnesota portion
		137	St. Louis County
	WI	55	Wisconsin portion

		031	Douglas County
2281 B	70		
Dutchess County, New York			
	NY	36	
		027	Dutchess County
2290 C			
Eau Claire, Wisconsin			
	WI	55	
		017	Chippewa County
		035	Eau Claire County
2320 B			
El Paso, Texas			
	TX	48	
		141	El Paso County
2330 C			
Elkhart-Goshen, Indiana			
	IN	18	
		039	Elkhart County
2335 D			
Elmira, New York			
	NY	36	
		015	Chemung County
2340 D			
Enid, Oklahoma			
	OK	40	
		047	Garfield County
2360 B			
Erie, Pennsylvania			
	PA	42	
		049	Erie County
2400 B			
Eugene-Springfield, Oregon			
	OR	41	
		039	Lane County
2440 B			
Evansville-Henderson, Indiana-Kentucky			
	IN	18	Indiana portion
		129	Posey County
		163	Vanderburgh County
		173	Warrick County
	KY	21	Kentucky portion
		101	Henderson County

2520 C

.....
 Fargo-Moorhead, North Dakota-Minnesota
 ND 38 North Dakota portion
 017 Cass County
 MN 27 Minnesota portion
 027 Clay County

2560 B

.....
 Fayetteville, North Carolina
 NC 37 051 Cumberland County

2580 C

.....
 Fayetteville-Springdale-Rogers, Arkansas
 AR 05 007 Benton County
 143 Washington County

2600 C 07

.....
 Fitchburg-Leominster, Massachusetts
 MA 25 017 Middlesex County (part)
 01955 Ashby town
 027 Worcester County (part)
 01885 Ashburnham town
 23875 Fitchburg city
 25485 Gardner city
 35075 Leominster city
 37420 Lunenburg town
 69275 Templeton town
 77010 Westminster town
 80405 Winchendon town

2640 B 35

.....
 Flint, Michigan
 MI 26 049 Genesee County

2650 C

.....
 Florence, Alabama
 AL 01 033 Colbert County
 077 Lauderdale County

2655 C

.....
 Florence, South Carolina
 SC 45 041 Florence County

2670 C

.....
 Fort Collins-Loveland, Colorado
 CO 08 069 Larimer County

2680 A 56
Fort Lauderdale, Florida
FL 12
011 Broward County

2700 B
.....
Fort Myers-Cape Coral, Florida
FL 12
071 Lee County

2710 B
.....
Fort Pierce-Port St. Lucie, Florida
FL 12
085 Martin County
111 St. Lucie County

2720 C
.....
Fort Smith, Arkansas-Oklahoma
AR 05 Arkansas portion
033 Crawford County
131 Sebastian County
OK 40 Oklahoma portion
135 Sequoyah County

2750 C
.....
Fort Walton Beach, Florida
FL 12
091 Okaloosa County

2760 B
.....
Fort Wayne, Indiana
IN 18
001 Adams County
003 Allen County
033 De Kalb County
069 Huntington County
179 Wells County
183 Whitley County

2800 A 31
Fort Worth-Arlington, Texas
TX 48
221 Hood County
251 Johnson County
367 Parker County
439 Tarrant County

2840 B
.....
Fresno, California
CA 06
019 Fresno County
039 Madera County

2880 D

.....
Gadsden, Alabama
AL 01
055 Etowah County

2900 C
.....
Gainesville, Florida
FL 12
001 Alachua County

2920 C 42

Galveston-Texas City, Texas
TX 48
167 Galveston County

2960 B 14

Gary, Indiana
IN 18
089 Lake County
127 Porter County

2975 C
.....
Glens Falls, New York
NY 36
113 Warren County
115 Washington County

2980 C
.....
Goldsboro, North Carolina
NC 37
191 Wayne County

2985 C
.....
Grand Forks, North Dakota-Minnesota
ND 38 North Dakota portion
035 Grand Forks County
MN 27 Minnesota portion
119 Polk County

3000 B
.....
Grand Rapids-Muskegon-Holland, Michigan
MI 26
005 Allegan County
081 Kent County
121 Muskegon County
139 Ottawa County

3040 D
.....
Great Falls, Montana
MT 30
013 Cascade County

3060 C 34

Greeley, Colorado
CO 08
123 Weld County

3080 C
.....
Green Bay, Wisconsin
WI 55
009 Brown County

3120 A
.....
Greensboro--Winston-Salem--High Point, North Carolina
NC 37
001 Alamance County
057 Davidson County
059 Davie County
067 Forsyth County
081 Guilford County
151 Randolph County
169 Stokes County
197 Yadkin County

3150 C
.....
Greenville, North Carolina
NC 37
147 Pitt County

3160 B
.....
Greenville-Spartanburg-Anderson, South Carolina
SC 45
007 Anderson County
021 Cherokee County
045 Greenville County
077 Pickens County
083 Spartanburg County

3180 C 97
Hagerstown, Maryland
MD 24
043 Washington County

3200 B 21
Hamilton-Middletown, Ohio
OH 39
017 Butler County

3240 B
.....
Harrisburg-Lebanon-Carlisle, Pennsylvania
PA 42
041 Cumberland County
043 Dauphin County
075 Lebanon County
099 Perry County

3280 A
.....

Hartford, Connecticut
CT 09

003		Hartford county (part)
	02060	Avon town
	04300	Berlin town
	05910	Bloomfield town
	08420	Bristol city
	10100	Burlington town
	12270	Canton town
	22070	East Granby town
	22630	East Hartford town
	24800	East Windsor town
	25990	Enfield town
	27600	Farmington town
	31240	Glastonbury town
	32640	Granby town
	37000	Hartford city
	44700	Manchester town
	45820	Marlborough town
	50370	New Britain city
	52140	Newington town
	60120	Plainville town
	65370	Rocky Hill town
	68940	Simsbury town
	70550	Southington town
	71390	South Windsor town
	74540	Suffield town
	82590	West Hartford town
	84900	Wethersfield town
	87000	Windsor town
	87070	Windsor Locks town
005		Litchfield county (part)
	02760	Barkhamsted town
	37280	Harwinton town
	51350	New Hartford town

3280 A

.....
Hartford, Connecticut (continued)
CT 09

005		Litchfield county (part) (continued)
	60750	Plymouth town
	86440	Winchester town
007		Middlesex county (part)
	18080	Cromwell town
	20810	Durham town
	22280	East Haddam town
	22490	East Hampton town
	35230	Haddam town
	47080	Middlefield town
	47360	Middletown town
	61800	Portland town
011		New London county (part)
	15910	Colchester town
	42390	Lebanon town
013		Tolland county (part)
	01080	Andover town
	06260	Bolton town
	16400	Columbia town
	17800	Coventry town

25360	Ellington town
37910	Hebron town
44910	Mansfield town
69220	Somers town
72090	Stafford town
76290	Tolland town
78250	Vernon town
85950	Willington town
015	Windham county (part)
01430	Ashford town
13810	Chaplin town
86790	Windham town

3290 B

Hickory-Morganton, North Carolina

NC	37		
		003	Alexander County
		023	Burke County
		027	Caldwell County
		035	Catawba County

3320 B

Honolulu, Hawaii

HI	15		
		003	Honolulu County

3350 C

Houma, Louisiana

LA	22		
		057	Lafourche Parish
		109	Terrebonne Parish

3360 A 42

Houston, Texas

TX	48		
		071	Chambers County
		157	Fort Bend County
		201	Harris County
		291	Liberty County
		339	Montgomery County
		473	Waller County

3400 B

Huntington-Ashland, West Virginia-Kentucky-Ohio

WV	54		West Virginia portion
		011	Cabell County
		099	Wayne County
KY	21		Kentucky portion
		019	Boyd County
		043	Carter County
		089	Greenup County
OH	39		Ohio portion
		087	Lawrence County

3440 B

Huntsville, Alabama
AL 01
083 Limestone County
089 Madison County

3480 A
.....
Indianapolis, Indiana
IN 18
011 Boone County
057 Hamilton County
059 Hancock County
063 Hendricks County
081 Johnson County
095 Madison County
097 Marion County
109 Morgan County
145 Shelby County

3500 D
.....
Iowa City, Iowa
IA 19
103 Johnson County

3520 C
.....
Jackson, Michigan
MI 26
075 Jackson County

3560 B
.....
Jackson, Mississippi
MS 28
049 Hinds County
089 Madison County
121 Rankin County

3600 B
.....
Jacksonville, Florida
FL 12
019 Clay County
031 Duval County
089 Nassau County
109 St. Johns County

3605 C
.....
Jacksonville, North Carolina
NC 37
133 Onslow County

3610 C
.....
Jamestown, New York
NY 36
013 Chautauqua County

3620 C

.....
Janesville-Beloit, Wisconsin
WI 55
105 Rock County

3640 B 70
Jersey City, New Jersey
NJ 34
017 Hudson County

3580 D
.....
Jackson, Tennessee
TN 47
113 Madison County

3660 B
.....
Johnson City-Kingsport-Bristol, Tennessee-Virginia
TN 47 Tennessee portion
019 Carter County
073 Hawkins County
163 Sullivan County
171 Unicoi County
179 Washington County
VA 51 Virginia portion
169 Scott County
191 Washington County
520 Bristol city

3680 C
.....
Johnstown, Pennsylvania
PA 42
021 Cambria County
111 Somerset County

3710 C
.....
Joplin, Missouri
MO 29
097 Jasper County
145 Newton County

3720 B
.....
Kalamazoo-Battle Creek, Michigan
MI 26
025 Calhoun County
077 Kalamazoo County
159 Van Buren County

3740 D 14
Kankakee, Illinois
IL 17
091 Kankakee County

3760 A
.....
Kansas City, Missouri-Kansas

MO	29		Missouri portion
		037	Cass County
		047	Clay County
		049	Clinton County
		095	Jackson County
		107	Lafayette County
		165	Platte County
		177	Ray County
KS	20		Kansas portion
		091	Johnson County
		103	Leavenworth County
		121	Miami County
		209	Wyandotte County
3800 C 14			
Kenosha, Wisconsin			
	WI	55	
		059	Kenosha County
3810 B			
.....			
Killeen-Temple, Texas			
	TX	48	
		027	Bell County
		099	Coryell County
3840 B			
.....			
Knoxville, Tennessee			
	TN	47	
		001	Anderson County
		009	Blount County
		093	Knox County
		105	Loudon County
		155	Sevier County
		173	Union County
3850 D			
.....			
Kokomo, Indiana			
	IN	18	
		067	Howard County
		159	Tipton County
3870 C			
.....			
La Crosse, Wisconsin-Minnesota			
	WI	55	Wisconsin portion
		063	La Crosse County
	MN	27	Minnesota portion
		055	Houston County
3880 B			
.....			
Lafayette, Louisiana			
	LA	22	
		001	Acadia Parish
		055	Lafayette Parish
		097	St. Landry Parish
		099	St. Martin Parish

3920 C
.....
Lafayette, Indiana
 IN 18
 023 Clinton County
 157 Tippecanoe County

3960 C
.....
Lake Charles, Louisiana
 LA 22
 019 Calcasieu Parish

3980 B
.....
Lakeland-Winter Haven, Florida
 FL 12
 105 Polk County

4000 B
.....
Lancaster, Pennsylvania
 PA 42
 071 Lancaster County

4040 B
.....
Lansing-East Lansing, Michigan
 MI 26
 037 Clinton County
 045 Eaton County
 065 Ingham County

4080 C
.....
Laredo, Texas
 TX 48
 479 Webb County

4100 C
.....
Las Cruces, New Mexico
 NM 35
 013 Dona Ana County

4120 B
.....
Las Vegas, Nevada-Arizona
 NV 32 Nevada portion
 003 Clark County
 023 Nye County
 AZ 04 Arizona portion
 015 Mohave County

4150 D
.....
Lawrence, Kansas
 KS 20
 045 Douglas County

4160 B 07
 Lawrence Massachusetts-New Hampshire
 MA 25 Massachusetts portion
 009 Essex County (part)
 01465 Andover town
 07420 Boxford town
 25625 Georgetown town
 27620 Groveland town
 29405 Haverhill city
 34550 Lawrence city
 40430 Merrimac town
 40675 Methuen town
 46365 North Andover town
 77150 West Newbury town
 NH 33 New Hampshire portion
 015 Rockingham County (part)
 02340 Atkinson town
 12100 Chester town
 17140 Danville town
 17940 Derry town
 27940 Fremont town

4160 B 07
 Lawrence Massachusetts-New Hampshire (continued)
 NH 33 New Hampshire portion (continued)
 015 Rockingham County (part)
 (continued)
 32900 Hampstead town
 40100 Kingston town
 52900 Newton town
 62500 Plaistow town
 64020 Raymond town
 66660 Salem town
 67620 Sandown town
 85780 Windham town

4200 C

 Lawton, Oklahoma
 OK 40 Comanche County
 031

4240 D

 Lewiston-Auburn, Maine
 ME 23 Androscoggin county (part)
 001
 02060 Auburn city
 29255 Greene town
 38740 Lewiston city
 40035 Lisbon town
 44585 Mechanic Falls town
 60020 Poland town
 64570 Sabattus town
 77800 Turner town
 79585 Wales town

4280 B

Lexington, Kentucky
 KY 21
 017 Bourbon County
 049 Clark County
 067 Fayette County
 113 Jessamine County
 151 Madison County
 209 Scott County
 239 Woodford County

4320 C

 Lima, Ohio
 OH 39
 003 Allen County
 011 Auglaize County

4360 C

 Lincoln, Nebraska
 NE 31
 109 Lancaster County

4400 B

 Little Rock-North Little Rock, Arkansas
 AR 05
 045 Faulkner County
 085 Lonoke County
 119 Pulaski County
 125 Saline County

4420 C

 Longview-Marshall, Texas
 TX 48
 183 Gregg County
 203 Harrison County
 459 Upshur County

4480 A 49
 Los Angeles-Long Beach, California
 CA 06
 037 Los Angeles County

4520 B

 Louisville, Kentucky-Indiana
 KY 21 Kentucky portion
 029 Bullitt County
 111 Jefferson County
 185 Oldham County

4520 B

 Louisville, Kentucky-Indiana (continued)
 IN 18 Indiana portion
 019 Clark County
 043 Floyd County
 061 Harrison County

4560 B 07
Lowell, Massachusetts-New Hampshire

MA	25		Massachusetts portion
		017	Middlesex county (part)
		05805	Billerica town
		13135	Chelmsford town
		17475	Dracut town
		17825	Dunstable town
		27480	Groton town
		37000	Lowell city
		52805	Pepperell town
		69415	Tewksbury town
		71025	Tyngsborough town
		76135	Westford town
NH	33		New Hampshire portion
		011	Hillsborough county (part)
		59940	Pelham town

4600 C

.....
Lubbock, Texas

TX	48		Lubbock County
		303	

4640 C

.....
Lynchburg, Virginia

VA	51		
		009	Amherst County
		019	Bedford County
		031	Campbell County
		515	Bedford city
		680	Lynchburg city

4760 C 07
Manchester, New Hampshire

NH	33		
		011	Hillsborough county (part)
		04500	Bedford town
		29860	Goffstown town
		45140	Manchester city
		79780	Weare town
		013	Merrimack county (part)
		00660	Allenstown town
		37300	Hooksett town
		015	Rockingham county (part)
		02820	Auburn town
		09300	Candia town
		43220	Londonderry town

4680 B

.....
Macon, Georgia

GA	13		
		021	Bibb County
		153	Houston County
		169	Jones County
		225	Peach County

		289	Twiggs County
4720 B			
.....			
Madison, Wisconsin			
	WI	55	
		025	Dane County
4760 C 07			
.....			
Manchester, New Hampshire			
	NH	33	
		011	Hillsborough County (part)
		04500	Bedford town
		29860	Goffstown town
		45140	Manchester city
		79780	Weare town
		013	Merrimack County (part)
		00660	Allenstown town
		37300	Hooksett town
		015	Rockingham County (part)
		02820	Auburn town
		09300	Candia town
		43220	Londonderry town
4800 C			
.....			
Mansfield, Ohio			
	OH	39	
		033	Crawford County
		139	Richland County
4840 C			
.....			
Mayaguez, Puerto Rico			
	PR	72	
		011	Anasco Municipio
		023	Cabo Rojo Municipio
		067	Hormigueros Municipio
		097	Mayaguez Municipio
		121	Sabana Grande Municipio
		125	San German Municipio
4880 B			
.....			
McAllen-Edinburg-Mission, Texas			
	TX	48	
		215	Hidalgo County
4890 C			
.....			
Medford-Ashland, Oregon			
	OR	41	
		029	Jackson County
4900 B			
.....			
Melbourne-Titusville-Palm Bay, Florida			
	FL	12	
		009	Brevard County

4920 A

.....
Memphis, Tennessee-Arkansas-Mississippi

TN	47		Tennessee portion
		047	Fayette County
		157	Shelby County
		167	Tipton County
AR	05		Arkansas portion
		035	Crittenden County
MS	28		Mississippi portion
		033	De Soto County

4940 C

.....
Merced, California

CA	06		
		047	Merced County

5000 A 56

.....
Miami, Florida

FL	12		
		025	Dade County

5015 A 70

.....
Middlesex-Somerset-Hunterdon, New Jersey

NJ	34		
		019	Hunterdon County
		023	Middlesex County
		035	Somerset County

5080 A 63

.....
Milwaukee-Waukesha, Wisconsin

WI	55		
		079	Milwaukee County
		089	Ozaukee County
		131	Washington County
		133	Waukesha County

5120 A

.....
Minneapolis-St. Paul, Minnesota-Wisconsin

MN	27		Minnesota portion
		003	Anoka County
		019	Carver County
		025	Chisago County
		037	Dakota County
		053	Hennepin County
		059	Isanti County

5120 A

.....
Minneapolis-St. Paul, Minnesota-Wisconsin (continued)

MN	27		Minnesota portion (continued)
		123	Ramsey County
		139	Scott County
		141	Sherburne County
		163	Washington County
		171	Wright County
WI	55		Wisconsin portion
		093	Pierce County

		109	St. Croix County
5160 B			
.....			
Mobile, Alabama			
	AL	01	
		003	Baldwin County
		097	Mobile County
5170 B			
.....			
Modesto, California			
	CA	06	
		099	Stanislaus County
5190 B 70			
.....			
Monmouth-Ocean, New Jersey			
	NJ	34	
		025	Monmouth County
		029	Ocean County
5200 C			
.....			
Monroe, Louisiana			
	LA	22	
		073	Ouachita Parish
5240 B			
.....			
Montgomery, Alabama			
	AL	01	
		001	Autauga County
		051	Elmore County
		101	Montgomery County
5280 C			
.....			
Muncie, Indiana			
	IN	18	
		035	Delaware County
5330 C			
.....			
Myrtle Beach, South Carolina			
	SC	45	
		051	Horry County
5345 C			
.....			
Naples, Florida			
	FL	12	
		021	Collier County
5350 C 07			
.....			
Nashua, New Hampshire			
	NH	33	
		011	Hillsborough county (part)
		01300	Amherst town
		08100	Brookline town
		31940	Greenville town

37140	Hollis town
42260	Hudson town
43370	Litchfield town
46260	Mason town
47540	Merrimack town
48020	Milford town
49140	Mont Vernon town
50260	Nashua city
51940	New Ipswich town
85220	Wilton town

5360 B

Nashville, Tennessee

TN 47

021	Cheatham County
037	Davidson County
043	Dickson County
147	Robertson County
149	Rutherford County
165	Sumner County
187	Williamson County
189	Wilson County

5380 A 70

Nassau-Suffolk, New York

NY 36

059	Nassau County
103	Suffolk County

5400 C 07

New Bedford, Massachusetts

MA 25

005	Bristol county (part)
00520	Acushnet town
16425	Dartmouth town
22130	Fairhaven town
25240	Freetown town
45000	New Bedford city
023	Plymouth county (part)
38540	Marion town
39450	Mattapoisett town
57600	Rochester town

5480 B 70

New Haven-Meriden, Connecticut

CT 09

007	Middlesex county (part)
15350	Clinton town
40710	Killingworth town
009	New Haven county (part)
04580	Bethany town
07310	Branford town
14160	Cheshire town
22910	East Haven town
34950	Guilford town
35650	Hamden town
44560	Madison town
46450	Meriden city
52000	New Haven city

53890	North Branford town
54870	North Haven town
57600	Orange town
78740	Wallingford town
82800	West Haven city
87700	Woodbridge town

5520 B

.....
New London-Norwich, Connecticut-Rhode Island

CT	09		Connecticut portion
	007		Middlesex county (part)
		57320	Old Saybrook town
	011		New London county (part)
		06820	Bozrah town
		23400	East Lyme town
		29910	Franklin town
		33900	Griswold town
		34250	Groton town
		42600	Ledyard town
		43230	Lisbon town
		48900	Montville town
		52280	New London city
		55500	North Stonington town
		56200	Norwich city
		57040	Old Lyme town
		62150	Preston town
		66210	Salem town
		71670	Sprague town
		73770	Stonington town
		80280	Waterford town

5520 B

.....
New London-Norwich, Connecticut-Rhode Island (continued)

CT	09		Connecticut portion (continued)
	015		Windham county (part)
		12130	Canterbury town
		59980	Plainfield town
RI	44		Rhode Island portion
	009		Washington county (part)
		35380	Hopkinton town
		77000	Westerly town

5560 A

.....
New Orleans, Louisiana

LA	22		
		051	Jefferson Parish
		071	Orleans Parish
		075	Plaquemines Parish
		087	St. Bernard Parish
		089	St. Charles Parish

5560 A

.....
New Orleans, Louisiana (continued)

LA	22		
		093	St. James Parish

		095	St. John the Baptist Parish
		103	St. Tammany Parish
5600 A 70			
New York, New York			
	NY	36	
		005	Bronx County
		047	Kings County
		061	New York County
		079	Putnam County
		081	Queens County
		085	Richmond County
		087	Rockland County
		119	Westchester County
5640 A 70			
Newark, New Jersey			
	NJ	34	
		013	Essex County
		027	Morris County
		037	Sussex County
		039	Union County
		041	Warren County
5660 B 70			
Newburgh, New York-Pennsylvania			
	NY	36	New York portion
		071	Orange County
	PA	42	Pennsylvania portion
		103	Pike County
5720 A			
.....			
Norfolk-Virginia Beach-Newport News, Virginia-North Carolina			
	VA	51	Virginia portion
		073	Gloucester County
		093	Isle of Wight County
		095	James City County
		115	Mathews County
		199	York County
		550	Chesapeake city
		650	Hampton city
		700	Newport News city
		710	Norfolk city
		735	Poquoson city
		740	Portsmouth city
		800	Suffolk city
		810	Virginia Beach city
		830	Williamsburg city
	NC	37	North Carolina portion
		053	Currituck County
5775 A 84			
Oakland, California			
	CA	06	
		001	Alameda County
		013	Contra Costa County

5790 C
.....
Ocala, Florida
 FL 12
 083 Marion County

5800 C
.....
Odessa-Midland, Texas
 TX 48
 135 Ector County
 329 Midland County

5880 B
.....
Oklahoma City, Oklahoma
 OK 40
 017 Canadian County
 027 Cleveland County
 083 Logan County
 087 McClain County
 109 Oklahoma County
 125 Pottawatomie County

5910 C 91
Olympia, WA
 WA 53
 067 Thurston County

5920 B
.....
Omaha, Nebraska-Iowa
 NE 31 Nebraska portion
 025 Cass County
 055 Douglas County
 153 Sarpy County
 177 Washington County
 IA 19 Iowa portion
 155 Pottawattamie County

5945 A 49
Orange County, California
 CA 06
 059 Orange County

5950 B 70
Orange County, New York
 NY 36
 071 Orange County

5960 A
.....
Orlando, Florida
 FL 12
 069 Lake County
 095 Orange County
 097 Osceola County
 117 Seminole County

5990 D

.....
Owensboro, Kentucky
 KY 21
 059 Daviness County

6015 C
.....
Panama City, Florida
 FL 12
 005 Bay County

6020 C
.....
Parkersburg-Marietta, West Virginia-Ohio
 WV 54 West Virginia portion
 107 Wood County
 OH 39 Ohio portion
 167 Washington County

6080 B
.....
Pensacola, Florida
 FL 12
 033 Escambia County
 113 Santa Rosa County

6120 B
.....
Peoria-Pekin, Illinois
 IL 17
 143 Peoria County
 179 Tazewell County
 203 Woodford County

6160 A 77
Philadelphia, Pennsylvania-New Jersey
 PA 42 Pennsylvania portion
 017 Bucks County
 029 Chester County
 045 Delaware County
 091 Montgomery County
 101 Philadelphia County
 NJ 34 New Jersey portion
 005 Burlington County
 007 Camden County
 015 Gloucester County
 033 Salem County

6200 A
.....
Phoenix-Mesa, Arizona
 AZ 04
 013 Maricopa County
 021 Pinal County

6240 D
.....
Pine Bluff, Arkansas
 AR 05
 069 Jefferson County

6280 A

.....
Pittsburgh, Pennsylvania

PA 42

003	Allegheny County
007	Beaver County
019	Butler County
051	Fayette County
125	Washington County
129	Westmoreland County

6320 D

.....
Pittsfield, Massachusetts

MA 25

003	Berkshire county (part)
00555	Adams town
13345	Cheshire town
16180	Dalton town
30315	Hinsdale town
34340	Lanesborough town
34655	Lee town
34970	Lenox town
53960	Pittsfield city
56795	Richmond town
67595	Stockbridge town

6360 B

.....
Ponce, Puerto Rico

PR 72

059	Guayanilla Municipio
075	Juana Diaz Municipio
111	Penuelas Municipio
113	Ponce Municipio
149	Villalba Municipio
153	Yauco Municipio

6400 C

.....
Portland, Maine

ME 23

005	Cumberland county (part)
10180	Cape Elizabeth town
11125	Casco town
15430	Cumberland town
24495	Falmouth town
26525	Freeport town
28240	Gorham town
28870	Gray town
53860	North Yarmouth town
60545	Portland city
61945	Raymond town
66145	Scarborough town
71990	South Portland city
73670	Standish town
82105	Westbrook city
86025	Windham town
87845	Yarmouth town

		031	York county (part)
		09410	Buxton town
		33665	Hollis town
		39405	Limington town
		55085	Old Orchard Beach town

6440 A 79
 Portland-Vancouver, Oregon-WA

OR	41		Oregon portion
		005	Clackamas County
		009	Columbia County
		051	Multnomah County
		067	Washington County
		071	Yamhill County
WA	53		Washington portion
		011	Clark County

6450 C 07
 Portsmouth-Rochester, New Hampshire-Maine

NH	33		New Hampshire portion
		015	Rockingham county (part)
		07220	Brentwood town
		21380	East Kingston town
		24660	Epping town
		25380	Exeter town
		31700	Greenland town
		33060	Hampton town
		33460	Hampton Falls town
		39780	Kensington town
		50980	New Castle town
		50380	Newfields town
		50620	Newington town
		52640	Newmarket town
		54580	North Hampton town
		62900	Portsmouth city
		66180	Rye town
		74340	Stratham town
		017	Strafford county (part)
		03460	Barrington town
		18820	Dover city
		19700	Durham town
		26020	Farmington town
		41460	Lee town
		44820	Madbury town
		48660	Milton town
		65140	Rochester city
		65540	Rollinsford town
		69940	Somersworth city
ME	23		Maine portion
		031	York county (part)
		04720	Berwick town
		22955	Eliot town
		37270	Kittery town
		70030	South Berwick town
		87985	York town

6480 A
 Providence-Fall River-Warwick, Rhode Island-Massachusetts

RI	44		Rhode Island portion
----	----	--	----------------------

		001	Bristol county
		05140	Barrington town
		09280	Bristol town
		73760	Warren town
		003	Kent county
		18640	Coventry town
		22240	East Greenwich town
		74300	Warwick city
		77720	West Greenwich town
		78440	West Warwick town
		005	Newport county (part)
		36820	Jamestown town
		42400	Little Compton town
		70880	Tiverton town
		007	Providence county
		11800	Burrillville town
		14140	Central Falls city
		19180	Cranston city
		20080	Cumberland town
		22960	East Providence city
		27460	Foster town
		30340	Glocester town
		37720	Johnston town
		41500	Lincoln town
		51760	North Providence town
		52480	North Smithfield town
		54640	Pawtucket city
		59000	Providence city
		64220	Scituate town
		66200	Smithfield town
		80780	Woonsocket city
		009	Washington county (part)
		14500	Charlestown town
		25300	Exeter town
		48340	Narragansett town
		51580	North Kingstown town
		61160	Richmond town
		67460	South Kingstown town
MA	25		Massachusetts portion
		005	Bristol county (part)
		02690	Attleboro city
		23000	Fall River city
		46575	North Attleborough town
		56375	Rehoboth town

6480 A

.....
 Providence-Fall River-Warwick, Rhode Island-Massachusetts
 (continued)

MA	25		Massachusetts portion (continued)
		005	Bristol county (part) (continued)
		60645	Seekonk town
		62430	Somerset town
		68750	Swansea town
		77570	Westport town

6520 B

.....
 Provo-Orem, Utah
 UT 49

		049	Utah County
6560 C	.....	
Pueblo, Colorado			
	CO	08	
		101	Pueblo County
6580 C	.....	
Punta Gorda, Florida			
	FL	12	
		015	Charlotte County
6600 C 63	.....	
Racine, Wisconsin			
	WI	55	
		101	Racine County
6640 B	.....	
Raleigh-Durham-Chapel Hill, North Carolina			
	NC	37	
		037	Chatham County
		063	Durham County
	NC	37	
		069	Franklin County
		101	Johnston County
		135	Orange County
		183	Wake County
6660 D	.....	
Rapid City, South Dakota			
	SD	46	
		103	Pennington County
6680 B	.....	
Reading, Pennsylvania			
	PA	42	
		011	Berks County
6690 C	.....	
Redding, California			
	CA	06	
		089	Shasta County
6720 B	.....	
Reno, Nevada			
	NV	32	
		031	Washoe County
6740 C	.....	
Richland-Kennewick-Pasco, WA			
	WA	53	
		005	Benton County

021 Franklin County

6760 B

.....
Richmond-Petersburg, Virginia

VA 51

036	Charles City County
041	Chesterfield County
053	Dinwiddie County
075	Goochland County
085	Hanover County
087	Henrico County
127	New Kent County
145	Powhatan County
149	Prince George County
570	Colonial Heights city
670	Hopewell city
730	Petersburg city
760	Richmond city

6780 A 49

.....
Riverside-San Bernardino, California

CA 06

065	Riverside County
071	San Bernardino County

6800 C

.....
Roanoke, Virginia

VA 51

023	Botetourt County
161	Roanoke County
770	Roanoke city
775	Salem city

6820 C

.....
Rochester, Minnesota

MN 27

109	Olmsted County
-----	----------------

6840 A

.....
Rochester, New York

NY 36

037	Genesee County
051	Livingston County
055	Monroe County
069	Ontario County
073	Orleans County
117	Wayne County

6880 B

.....
Rockford, Illinois

IL 17

007	Boone County
141	Ogle County
201	Winnebago County

6895 C

Rocky Mount, North Carolina
NC 37

065 Edgecombe County
127 Nash County

6920 A 82

Sacramento, California
CA 06

017 El Dorado County
061 Placer County
067 Sacramento County

6960 B

Saginaw-Bay City-Midland, Michigan
MI 26

017 Bay County
111 Midland County
145 Saginaw County

6980 C

St. Cloud, Minnesota
MN 27

009 Benton County
145 Stearns County

7000 D

St. Joseph, Missouri
MO 29

003 Andrew County
021 Buchanan County

7040 A

St. Louis, Missouri-Illinois
MO 29

055 Missouri portion
Crawford County (part)
71440 Sullivan city
071 Franklin County
099 Jefferson County
113 Lincoln County
183 St. Charles County
189 St. Louis County
219 Warren County
510 St. Louis city

7040 A

St. Louis, Missouri-Illinois (continued)
IL 17

Illinois portion
027 Clinton County
083 Jersey County
119 Madison County
133 Monroe County
163 St. Clair County

7080 B 79
Salem, Oregon
OR 41
047 Marion County
053 Polk County

7120 B
.....
Salinas, California
CA 06
053 Monterey County

7160 A
.....
Salt Lake City-Ogden, Utah
UT 49
011 Davis County
035 Salt Lake County
057 Weber County

7200 D
.....
San Angelo, Texas
TX 48
451 Tom Green County

7240 A
.....
San Antonio, Texas
TX 48
029 Bexar County
091 Comal County
187 Guadalupe County
493 Wilson County

7320 A
.....
San Diego, California
CA 06
073 San Diego County

7360 A 84
San Francisco, California
CA 06
041 Marin County
075 San Francisco County
081 San Mateo County

7400 A 84
San Jose, California
CA 06
085 Santa Clara County

7440 A 87
San Juan-Bayamon, Puerto Rico
PR 72
007 Aguas Buenas Municipio
017 Barceloneta Municipio
021 Bayamon Municipio
029 Canovanas Municipio

031	Carolina Municipio
033	Catano Municipio
037	Ceiba Municipio
045	Comerio Municipio
047	Corozal Municipio
051	Dorado Municipio
053	Fajardo Municipio
054	Florida Municipio
061	Guaynabo Municipio
069	Humacao Municipio
077	Juncos Municipio
085	Las Piedras Municipio
087	Loiza Municipio
089	Luquillo Municipio
091	Manati Municipio
101	Morovis Municipio
103	Naguabo Municipio
105	Naranjito Municipio
119	Rio Grande Municipio
127	San Juan Municipio
135	Toa Alta Municipio
137	Toa Baja Municipio
139	Trujillo Alto Municipio
143	Vega Alta Municipio
145	Vega Baja Municipio
151	Yabucoa Municipio

7460 C

.....
 San Luis Obispo-Atascadero-Paso Robles, California

CA 06

079

San Luis Obispo County

7480 B

.....
 Santa Barbara-Santa Maria-Lompoc, California

CA 06

083

Santa Barbara County

7485 C 84

.....
 Santa Cruz-Watsonville, California

CA 06

087

Santa Cruz County

7490 C

.....
 Santa Fe, New Mexico

NM 35

028

Los Alamos County

049

Santa Fe County

7500 B 84

.....
 Santa Rosa, California

CA 06

097

Sonoma County

7510 B

.....
 Sarasota-Bradenton, Florida

FL 12

081 Manatee County
115 Sarasota County

7520 B

.....
Savannah, Georgia

GA 13

029 Bryan County
051 Chatham County
103 Effingham County

7560 B

.....
Scranton--Wilkes-Barre--Hazleton, Pennsylvania

PA 42

037 Columbia County
069 Lackawanna County
079 Luzerne County
131 Wyoming County

7600 A 91

.....
Seattle-Bellevue-Everett, WA

WA 53

029 Island County
033 King County
061 Snohomish County

7610 C

.....
Sharon, Pennsylvania

PA 42

085 Mercer County

7620 C

.....
Sheboygan, Wisconsin

WI 55

117 Sheboygan County

7640 D

.....
Sherman-Denison, Texas

TX 48

181 Grayson County

7680 B

.....
Shreveport-Bossier City, Louisiana

LA 22

015 Bossier Parish
017 Caddo Parish
119 Webster Parish

7720 C

.....
Sioux City, Iowa-Nebraska

IA 19

NE 31

193 Iowa portion
Woodbury County
043 Nebraska portion
Dakota County

7760 C

.....
 Sioux Falls, South Dakota

SD 46

083

Lincoln County

099

Minnehaha County

7800 C

.....
 South Bend, Indiana

IN 18

141

St. Joseph County

7840 B

.....
 Spokane, WA

WA 53

063

Spokane County

7880 C

.....
 Springfield, Illinois

IL 17

129

Menard County

167

Sangamon County

7920 B

.....
 Springfield, Missouri

MO 29

043

Christian County

077

Greene County

225

Webster County

8000 B

.....
 Springfield, Massachusetts

MA 25

011

Franklin county (part)

68400

Sunderland town

013

Hamden county (part)

00800

Agawam town

13660

Chicopee city

19645

East Longmeadow town

28075

Hampden town

30840

Holyoke city

36300

Longmeadow town

37175

Ludlow town

42145

Monson town

42530

Montgomery town

52105

Palmer town

58650

Russell town

65825

Southwick town

67000

Springfield city

76030

Westfield city

77850

West Springfield town

79740

Wilbraham town

015

Hampshire county (part)

01325

Amherst town

04825	Belchertown town
19330	Easthampton town
26535	Granby town
27690	Hadley town
29265	Hatfield town
31785	Huntington town
46330	Northampton city
62745	Southampton town
64145	South Hadley town
72880	Ware town
79915	Williamsburg town

8040 B 70
 Stamford-Norwalk, Connecticut

CT 09

001	Fairfield county (part)
18850	Darien town
33620	Greenwich town
50580	New Canaan town
56990	Norwalk city
73000	Stamford city
83430	Weston town
83500	Westport town
86370	Wilton town

8050 C

.....
 State College, Pennsylvania

PA 42

027	Centre County
-----	---------------

8080 C

.....
 Steubenville-Weirton, Ohio-West Virginia

OH 39

Ohio portion

081	Jefferson County
-----	------------------

WV 54

West Virginia portion

009	Brooke County
-----	---------------

029	Hancock County
-----	----------------

8120 B

.....
 Stockton-Lodi, California

CA 06

077	San Joaquin County
-----	--------------------

8140 C

.....
 Sumter, South Carolina

SC 45

085	Sumter County
-----	---------------

8160 B

.....
 Syracuse, New York

NY 36

011	Cayuga County
053	Madison County
067	Onondaga County
075	Oswego County

8200 B 91
 Tacoma, WA
 WA 53
 053 Pierce County

8240 C

 Tallahassee, Florida
 FL 12
 039 Gadsden County
 073 Leon County

8280 A

 Tampa-St. Petersburg-Clearwater, Florida
 FL 12
 053 Hernando County
 057 Hillsborough County
 101 Pasco County
 103 Pinellas County

8320 C

 Terre Haute, Indiana
 IN 18
 021 Clay County
 165 Vermillion County
 167 Vigo County

8360 C

 Texarkana, Texas-Texarkana, Arkansas
 TX 48 Texas portion
 037 Bowie County
 AR 05 Arkansas portion
 091 Miller County

8400 B

 Toledo, Ohio
 OH 39
 051 Fulton County
 095 Lucas County
 173 Wood County

8440 C

 Topeka, Kansas
 KS 20
 177 Shawnee County

8480 B 70
 Trenton, New Jersey
 NJ 34
 021 Mercer County

8520 B

 Tucson, Arizona

	AZ	04	019	Pima County
8560 B				
.....				
Tulsa, Oklahoma				
	OK	40		
			037	Creek County
			113	Osage County
			131	Rogers County
			143	Tulsa County
			145	Wagoner County
8600 C				
.....				
Tuscaloosa, Alabama				
	AL	01	125	Tuscaloosa County
8640 C				
.....				
Tyler, Texas				
	TX	48	423	Smith County
8680 B				
.....				
Utica-Rome, New York				
	NY	36		
			043	Herkimer County
			065	Oneida County
8720 B	84			
.....				
Vallejo-Fairfield-Napa, California				
	CA	06		
			055	Napa County
			095	Solano County
8735 B	49			
.....				
Ventura, California				
	CA	06	111	Ventura County
8750 D				
.....				
Victoria, Texas				
	TX	48	469	Victoria County
8760 C	77			
.....				
Vineland-Millville-Bridgeton, New Jersey				
	NJ	34	011	Cumberland County
8780 B				
.....				
Visalia-Tulare-Porterville, California				
	CA	06	107	Tulare County
8800 C				

.....
Waco, Texas

TX 48
309 McLennan County

8840 A 97
Washington, District of Columbia-Maryland-Virginia-

West Virginia
DC 11 District of Columbia portion
001 District of Columbia
MD 24 Maryland portion
009 Calvert County
017 Charles County
021 Frederick County
031 Montgomery County
033 Prince George's County
VA 51 Virginia portion
013 Arlington County
043 Clarke County
047 Culpeper County
059 Fairfax County
061 Fauquier County
099 King George County
107 Loudoun County
153 Prince William County
177 Spotsylvania County

8840 A 97
Washington, District of Columbia-Maryland-Virginia-

West Virginia (continued)
VA 51 Virginia portion (continued)
179 Stafford County
187 Warren County
510 Alexandria city
600 Fairfax city
610 Falls Church city
630 Fredericksburg city
683 Manassas city
685 Manassas Park city
WV 54 West Virginia portion
003 Berkeley County
037 Jefferson County

8880 C 70
Waterbury, Connecticut

CT 09
005 Litchfield county (part)
04930 Bethlehem town
75730 Thomaston town
80490 Watertown town
87910 Woodbury town
009 New Haven county (part)
46940 Middlebury town
49880 Naugatuck borough
62290 Prospect town
69640 Southbury town
80000 Waterbury city
87560 Wolcott town

8920 C

.....
Waterloo-Cedar Falls, Iowa
IA 19
013 Black Hawk County

8940 C
.....
Wausau, Wisconsin
WI 55
073 Marathon County

8960 B
.....
West Palm Beach-Boca Raton, Florida
FL 12
099 Palm Beach County

9000 C
.....
Wheeling, West Virginia-Ohio
WV 54 West Virginia portion
051 Marshall County
069 Ohio County
OH 39 Ohio portion
013 Belmont County

9040 B
.....
Wichita, Kansas
KS 20
015 Butler County
079 Harvey County
173 Sedgwick County

9080 C
.....
Wichita Falls, Texas
TX 48
009 Archer County
485 Wichita County

9140 C
.....
Williamsport, Pennsylvania
PA 42
081 Lycoming County

9160 B 77
Wilmington-Newark, Delaware-Maryland
DE 10 Delaware portion
003 New Castle County
MD 24 Maryland portion
015 Cecil County

9200 C
.....
Wilmington, North Carolina
NC 37
019 Brunswick County
129 New Hanover County

9240 B 07
 Worcester, Massachusetts-Connecticut
 MA 25 Massachusetts portion
 013 Hampden county (part)
 30665 Holland town
 027 Worcester county (part)
 02760 Auburn town
 03740 Barre town
 07525 Boylston town
 09105 Brookfield town
 12715 Charlton town
 14395 Clinton town
 17300 Douglas town
 17685 Dudley town
 18560 East Brookfield town
 26430 Grafton town
 30560 Holden town
 34795 Leicester town
 41340 Millbury town

9240 B 07
 Worcester, Massachusetts-Connecticut (continued)
 MA 25 Massachusetts portion (continued)
 027 Worcester county (part) (continued)
 46820 Northborough town
 46925 Northbridge town
 47135 North Brookfield town
 50670 Oakham town
 51825 Oxford town
 52420 Paxton town
 55395 Princeton town
 58825 Rutland town
 61800 Shrewsbury town
 63270 Southbridge town
 66105 Spencer town
 67385 Sterling town
 68155 Sturbridge town
 68610 Sutton town
 71620 Uxbridge town
 73895 Webster town
 75015 Westborough town
 75155 West Boylston town
 75400 West Brookfield town
 82000 Worcester city
 CT 09 Connecticut portion
 015 Windham county (part)
 75870 Thompson town

9260 C
 Yakima, WA
 WA 53
 077 Yakima County

9270 C 82
 Yolo, California
 CA 06
 113 Yolo County

9280 B

.....
York, Pennsylvania
PA 42
133 York County

9320 B

.....
Youngstown-Warren, Ohio
OH 39
029 Columbiana County
099 Mahoning County
155 Trumbull County

9340 C

.....
Yuba City, California
CA 06
101 Sutter County
115 Yuba County

9360 C

.....
Yuma, Arizona
AZ 04
027 Yuma County

PHIN Vocabulary Domain Name : Country Codes

PHIN Vocabulary Domain Code : CountryCodes

PHIN Vocabulary Domain ID :2

PHIN Vocabulary Domain Definition : This list states the **country names** (official short names **in English**) in alphabetical order as given in ISO 3166-1 **and** the corresponding **ISO 3166-1-alpha-2 code element**

PHIN Vocabulary Domain Keywords : Country Code

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: n/a

Recommended Code System : ISO

Recommended Code System Version: ISO 3166-1 **and** the corresponding **ISO 3166-1-alpha-2** code elements.

Recommended Code System Reference ID : N/A

Recommended Code System Hyperlink :

<http://www.iso.org/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/list-en1.html>

Recommended Code System Concept Enumeration : Complete (This is presented for illustrative purposes only)

English country names and code elements

This list states the **country names** (official short names **in English**) in alphabetical order as given in ISO 3166-1 **and** the corresponding **ISO 3166-1-alpha-2 code elements**.

This list is updated whenever a change to the official code list in ISO 3166-1 is effected by the ISO 3166/MA.

[A-F](#) [G-K](#) [L-R](#) [S-Z](#)

AFGHANISTAN	AF
ÅLAND ISLANDS	AX
ALBANIA	AL
ALGERIA	DZ
AMERICAN SAMOA	AS
ANDORRA	AD
ANGOLA	AO
ANGUILLA	AI

ANTARCTICA	AQ
ANTIGUA AND BARBUDA	AG
ARGENTINA	AR
ARMENIA	AM
ARUBA	AW
AUSTRALIA	AU
AUSTRIA	AT
AZERBAIJAN	AZ
BAHAMAS	BS
BAHRAIN	BH
BANGLADESH	BD
BARBADOS	BB
BELARUS	BY
BELGIUM	BE
BELIZE	BZ
BENIN	BJ
BERMUDA	BM
BHUTAN	BT
BOLIVIA	BO
BOSNIA AND HERZEGOVINA	BA
BOTSWANA	BW
BOUVET ISLAND	BV
BRAZIL	BR
BRITISH INDIAN OCEAN TERRITORY	IO
BRUNEI DARUSSALAM	BN
BULGARIA	BG
BURKINA FASO	BF
BURUNDI	BI
CAMBODIA	KH
CAMEROON	CM

CANADA	CA
CAPE VERDE	CV
CAYMAN ISLANDS	KY
CENTRAL AFRICAN REPUBLIC	CF
CHAD	TD
CHILE	CL
CHINA	CN
CHRISTMAS ISLAND	CX
COCOS (KEELING) ISLANDS	CC
COLOMBIA	CO
COMOROS	KM
CONGO	CG
CONGO, THE DEMOCRATIC REPUBLIC OF THE	CD
COOK ISLANDS	CK
COSTA RICA	CR
CÔTE D'IVOIRE	CI
CROATIA	HR
CUBA	CU
CYPRUS	CY
CZECH REPUBLIC	CZ
DENMARK	DK
DJIBOUTI	DJ
DOMINICA	DM
DOMINICAN REPUBLIC	DO
ECUADOR	EC
EGYPT	EG
EL SALVADOR	SV
EQUATORIAL GUINEA	GQ
ERITREA	ER
ESTONIA	EE

ETHIOPIA	ET
FALKLAND ISLANDS (MALVINAS)	FK
FAROE ISLANDS	FO
FIJI	FJ
FINLAND	FI
FRANCE	FR
FRENCH GUIANA	GF
FRENCH POLYNESIA	PF
FRENCH SOUTHERN TERRITORIES	TF
GABON	GA
GAMBIA	GM
GEORGIA	GE
GERMANY	DE
GHANA	GH
GIBRALTAR	GI
GREECE	GR
GREENLAND	GL
GRENADA	GD
GUADELOUPE	GP
GUAM	GU
GUATEMALA	GT
GUINEA	GN
GUINEA-BISSAU	GW
GUYANA	GY
HAITI	HT
HEARD ISLAND AND MCDONALD ISLANDS	HM
HOLY SEE (VATICAN CITY STATE)	VA
HONDURAS	HN
HONG KONG	HK
HUNGARY	HU

ICELAND	IS
INDIA	IN
INDONESIA	ID
IRAN, ISLAMIC REPUBLIC OF	IR
IRAQ	IQ
IRELAND	IE
ISRAEL	IL
ITALY	IT
JAMAICA	JM
JAPAN	JP
JORDAN	JO
KAZAKHSTAN	KZ
KENYA	KE
KIRIBATI	KI
KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF	KP
KOREA, REPUBLIC OF	KR
KUWAIT	KW
KYRGYZSTAN	KG
LAO PEOPLE'S DEMOCRATIC REPUBLIC	LA
LATVIA	LV
LEBANON	LB
LESOTHO	LS
LIBERIA	LR
LIBYAN ARAB JAMAHIRIYA	LY
LIECHTENSTEIN	LI
LITHUANIA	LT
LUXEMBOURG	LU
MACAO	MO
MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF	MK
MADAGASCAR	MG

MALAWI	MW
MALAYSIA	MY
MALDIVES	MV
MALI	ML
MALTA	MT
MARSHALL ISLANDS	MH
MARTINIQUE	MQ
MAURITANIA	MR
MAURITIUS	MU
MAYOTTE	YT
MEXICO	MX
MICRONESIA, FEDERATED STATES OF	FM
MOLDOVA, REPUBLIC OF	MD
MONACO	MC
MONGOLIA	MN
MONTSERRAT	MS
MOROCCO	MA
MOZAMBIQUE	MZ
MYANMAR	MM
NAMIBIA	NA
NAURU	NR
NEPAL	NP
NETHERLANDS	NL
NETHERLANDS ANTILLES	AN
NEW CALEDONIA	NC
NEW ZEALAND	NZ
NICARAGUA	NI
NIGER	NE
NIGERIA	NG
NIUE	NU

NORFOLK ISLAND	NF
NORTHERN MARIANA ISLANDS	MP
NORWAY	NO
OMAN	OM
PAKISTAN	PK
PALAU	PW
PALESTINIAN TERRITORY, OCCUPIED	PS
PANAMA	PA
PAPUA NEW GUINEA	PG
PARAGUAY	PY
PERU	PE
PHILIPPINES	PH
PITCAIRN	PN
POLAND	PL
PORTUGAL	PT
PUERTO RICO	PR
QATAR	QA
RÉUNION	RE
ROMANIA	RO
RUSSIAN FEDERATION	RU
RWANDA	RW
SAINT HELENA	SH
SAINT KITTS AND NEVIS	KN
SAINT LUCIA	LC
SAINT PIERRE AND MIQUELON	PM
SAINT VINCENT AND THE GRENADINES	VC
SAMOA	WS
SAN MARINO	SM
SAO TOME AND PRINCIPE	ST
SAUDI ARABIA	SA

SENEGAL	SN
SERBIA AND MONTENEGRO	CS
SEYCHELLES	SC
SIERRA LEONE	SL
SINGAPORE	SG
SLOVAKIA	SK
SLOVENIA	SI
SOLOMON ISLANDS	SB
SOMALIA	SO
SOUTH AFRICA	ZA
SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS	GS
SPAIN	ES
SRI LANKA	LK
SUDAN	SD
SURINAME	SR
SVALBARD AND JAN MAYEN	SJ
SWAZILAND	SZ
SWEDEN	SE
SWITZERLAND	CH
SYRIAN ARAB REPUBLIC	SY
TAIWAN, PROVINCE OF CHINA	TW
TAJIKISTAN	TJ
TANZANIA, UNITED REPUBLIC OF	TZ
THAILAND	TH
TIMOR-LESTE	TL
TOGO	TG
TOKELAU	TK
TONGA	TO
TRINIDAD AND TOBAGO	TT
TUNISIA	TN

TURKEY	TR
TURKMENISTAN	TM
TURKS AND CAICOS ISLANDS	TC
TUVALU	TV
UGANDA	UG
UKRAINE	UA
UNITED ARAB EMIRATES	AE
UNITED KINGDOM	GB
UNITED STATES	US
UNITED STATES MINOR OUTLYING ISLANDS	UM
URUGUAY	UY
UZBEKISTAN	UZ
VANUATU	VU
Vatican City State see HOLY SEE	
VENEZUELA	VE
VIET NAM	VN
VIRGIN ISLANDS, BRITISH	VG
VIRGIN ISLANDS, U.S.	VI
WALLIS AND FUTUNA	WF
WESTERN SAHARA	EH
YEMEN	YE
Zaire see CONGO, THE DEMOCRATIC REPUBLIC OF THE	
ZAMBIA	ZM
ZIMBABWE	ZW

PHIN Vocabulary Domain Name : Country Subdivision Codes
PHIN Vocabulary Domain Code : Country Subdivisions Codes
PHIN Vocabulary Domain ID :2

PHIN Vocabulary Domain Definition : **ISO 3166-2 contains a complete breakdown into a relevant level of administrative subdivisions of all countries listed in ISO 3166-1. The code elements used consist of the alpha-2 code element from ISO 3166-1 followed by a separator and a further string of up to three alphanumeric characters e. g.**

DK-025 for the Danish county Roskilde

IT-MI for the Italian province of Milano

MG-T for the Antananarivo province in Madagascar

PHIN Vocabulary Domain Keywords : Country Codes, Country subregion codes, Country state codes

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments: ISO 3166-2 may

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: n/a

Recommended Code System : ISO

Recommended Code System Version: ISO 3166-2

Recommended Code System Reference ID : N/A

Recommended Code System Hyperlink :

<http://www.iso.org/iso/en/prods-services/iso3166ma/04background-on-iso-3166/iso3166-2.html>

Recommended Code System Concept Enumeration: Partial (This is presented for illustrative purposes only)

Sample entry from ISO 3166-2

Here you see the entry for Canada from ISO 3166-2. The abbreviations used in the headers of the entries are explained in an annex to ISO 3166-2.

CA CANADA

10 provinces province (fr)

3 territories territoire (fr)

List source: Canadian General Standards Board (CGSB), 1997-03-18; IGN 1989; Canadian Postal Guide; E-mail on Nunavut from Standards Council of Canada (SCC), 1999-09-02; update 2001; update 2002

Code source: Canadian Postal Guide

Provinces:

	<u>(en)</u>	<u>(fr)</u>
CA-AB	Alberta	
CA-BC	British Columbia	Colombie-Britannique
CA-MB	Manitoba	
CA-NB	New Brunswick	Nouveau-Brunswick
CA-NL	Newfoundland and Labrador	Terre-Neuve-et-Labrador

CA-NS	Nova Scotia	Nouvelle-Écosse
CA-ON	Ontario	
CA-PE	Prince Edward Island	Île-du-Prince-Édouard
CA-QC	Quebec	Québec
CA-SK	Saskatchewan	

Territories:

CA-NT	Northwest Territories	Territoires du Nord-Ouest
CA-NU	Nunavut	
CA-YT	Yukon Territory	Territoire du Yukon

PHIN Vocabulary Domain Name : United States State Codes

PHIN Vocabulary Domain Code : UnitedStatesStateCodes

PHIN Vocabulary Domain ID :2

PHIN Vocabulary Domain Definition : CODES FOR THE IDENTIFICATION OF THE STATES, THE DISTRICT OF COLUMBIA AND THE OUTLYING AREAS OF THE UNITED STATES, AND ASSOCIATED AREAS

PHIN Vocabulary Domain Keywords : State Codes

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: n/a

Recommended Code System : FIPS (Federal Information Processing Standard)

Recommended Code System Version: FIPS PUB 5-2

Recommended Code System Reference ID : N/A

Recommended Code System Hyperlink :

<http://www.itl.nist.gov/fipspubs/fip5-2.htm>

Recommended Code System Concept Enumeration : Complete (This is presented for illustrative purposes only)

Alabama	01	AL	Missouri	29	MO
Alaska	02	AK	Montana	30	MT
Arizona	04	AZ	Nebraska	31	NE
Arkansas	05	AR	Nevada	32	NV
California	06	CA	New Hampshire	33	NH
Colorado	08	CO	New Jersey	34	NJ
Connecticut	09	CT	New Mexico	35	NM
Delaware	10	DE	New York	36	NY
District of Columbia	11	DC	North Carolina	37	NC
Florida	12	FL	North Dakota	38	ND
Georgia	13	GA	Ohio	39	OH
			Oklahoma	40	OK
			Oregon	41	OR
Hawaii	15	HI	Pennsylvania	42	PA
Idaho	16	ID	Rhode Island	44	RI

Illinois	17	IL	South Carolina	45	SC
Indiana	18	IN	South Dakota	46	SD
Iowa	19	IA	Tennessee	47	TN
Kansas	20	KS	Texas	48	TX
Kentucky	21	KY	Utah	49	UT
Louisiana	22	LA	Vermont	50	VT
Maine	23	ME	Virginia	51	VA
Maryland	24	MD	Washington	53	WA
Massachusetts	25	MA	West Virginia	54	WV
Michigan	26	MI	Wisconsin	55	WI
Minnesota	27	MN	Wyoming	56	WY
Mississippi	28	MS			

PHIN Vocabulary Domain Name : Telecommunication Equipment Type Code
PHIN Vocabulary Domain Code : TelecommunicationEquipmentTypeCode
PHIN Vocabulary Domain ID :212
PHIN Vocabulary Domain Definition : A code that represents the type of telecommunication equipment.
PHIN Vocabulary Domain Keywords : Telecommunication Equipment Code, Point of Contact Information Type
Date Created :04/25/2005
Date Revised :04/25/2005
Code System Identification Status: Complete
PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:
http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc
Consolidative Health Informatics (CHI) Domain Comments: See the demographics domain comments.

Recommended Code System : HL7
Recommended Code System Version: Version 2.5
Recommended Code System Reference ID : Chapter 2A, Section 2.A.89.3 , HL7 Table 0202
Recommended Code System Hyperlink :
(1) Download all balloted chapters of HL7 version 2.5 in word document (doc) format:
https://www.hl7.org/memonly/v25/membership2/v25_completeness_package_wordformat.zip
(2) Download all balloted chapters of HL7 version 2.5 in PDF format:
https://www.hl7.org/memonly/v25/membership2/v25_completeness_package_pdfformat.zip
(3) Download Individual Chapters of HL7 Version 2.5 in word / pdf format:
<https://www.hl7.org/memonly/v25/membership2/index.cfm>

Recommended Code System Concept Enumeration: complete (This is presented for illustrative purposes only)

HL7 Table 0202 - Telecommunication equipment type

Value	Description	Comment
PH	Telephone	
FX	Fax	
MD	Modem	
CP	Cellular Phone	
BP	Beeper	
Internet	Internet Address: Use Only If Telecommunication Use Code Is NET	

X.400 X.400 email address: Use Only If Telecommunication Use Code Is
NET

TDD Telecommunications Device for the Deaf

TTY Teletypewriter

PHIN Vocabulary Domain Name : Clinical Encounters

PHIN Vocabulary Domain Code :ClinicalEncounters

PHIN Vocabulary Domain ID :2

PHIN Vocabulary Domain Definition : An encounter serves as a focal point linking clinical, administrative and financial information. Encounters occur in many different settings -- ambulatory care, inpatient care, emergency-care, home health care, field and virtual (telemedicine). This domain mainly deals with the non-patient identifiers and elements related to provider, services and facility. E.g. Provider ID, Facility ID, Provider type, Location Identifiers, etc..

PHIN Vocabulary Domain Keywords : Clinical Encounter, Non-Patient Identifiers, Provider identifiers, Facility Identifiers, Location Identifiers,

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments: Code system needs to be identified for some of the sub-domains of Clinical Encounters. This domain primarily derives codes from HL7 (Version 2.x or 3). If not found, would be searched in SNOMED CT, UMLS, CDC Code system. Recommended vocabulary versions may change as the HL7 vocabulary version 3 is still being developed by HL7.

=====
=====
Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/encounter_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments:

RECOMMENDATION:

Health Level Seven® (HL7®), Version 2.4 and higher.

Clinical Encounter definition

The work group adopted the definition for clinical **encounter** from ASTM E1384-02a -- Standard Guide for Content and Structure of the Electronic Health Record: "(1) an instance of direct provider/practitioner to patient interaction, regardless of the setting, between a patient and a practitioner vested with primary responsibility for diagnosing, evaluating or treating the patient's condition, or both, or providing social worker services. (2) A contact between a patient and a practitioner who has primary responsibility for assessing and treating the patient at a given contact, exercising independent judgment." The ASTM definition excludes **ancillary service visit**, which is defined as "the appearance of an outpatient in a unit of a hospital or outpatient facility to receive service(s), test(s), or procedures." The clinical encounter definition also excludes practitioner actions in the absence of a patient such as **practitioner-to-practitioner interaction** and **practitioner-to-records interaction**.

Domain/Sub-domain
Clinical Encounters
Admission Information
Transfer (Patient Movement) Information
Discharge Information
Provider Information
Accident Information
Death and Autopsy Information

Recommendation *Identify the solution recommended.*

The workgroup recommends adoption of Health Level Seven® (HL7®), Version 2.4 and higher, with identified gaps to be addressed in the future. The work group's specific recommendations for data elements and value sets are contained in "**CHI Encounter Data Elements.doc**".

The HL7® v2.4 Application, Transfer and Discharge (ADT) message consists of 25 message segments and 612 data fields. The work group identified 92 of the 612 data fields as falling within the scope of clinical encounter (See the "**HL7® -ADT-dataElements-scopeAnalysis.xls**" spreadsheet for the complete analysis including all value sets considered by the work group). The team concluded that 37 of the data fields require no further standardization because they hold date and time (16 data fields), yes/no responses (10 data fields), text (6 data fields), address (1 data field), telephone (1 data field), organization name (1 data field) or number (2 data fields) data.

The work group makes the following recommendations for the 17 data fields that hold identifiers. Visit id (2 data fields) does not require standardizing. Healthcare facility (1 data field) and practitioner (7 data fields) should use National Provider System identifiers once they are available. Location identifier (7 data fields) cannot be standardized across facilities at this time but doing so should be a future goal.

The HL7® v2.4 standard specifies value sets for only 3 of the 38 clinical encounter coded data fields. The other 35 data fields in the standard reference "user-defined" tables that may contain suggested values (i.e., values to be "used where applicable within an institution and serve as a basis for extensions as required"). However, interoperability among federal agencies requires that CHI specify the value sets to be used for these data fields in messages so the work group makes the following recommendations.

The work group recommends using externally defined value sets for eight of the clinical encounter coded data elements to conform to common usage. Ten of the remaining coded data fields have acceptable suggested value sets in the HL7® v2.4 standard. HL7® v2.5, which was approved as an ANSI standard on June 26, 2003, added acceptable suggested value sets for seven additional coded data fields. HL7® v3 vocabulary version 188 includes value sets for four of the coded data fields that do not have suggested values in either HL7® v2.4 or v2.5. That leaves six coded data fields with no suggested values.

The following tables (with notes) summarize the team's recommendations for value sets to use when exchanging clinical encounter messages.

Coded Fields with HL7®-defined Value Sets (v2.4)

Element Name	Element Id	Domain	Table
Event Type	9	Encounter	HL0003
Action Code	816	Provider	HL0287
Role-ROL	1197	Provider	HL0443

Coded Fields with Externally Defined Value Sets

Element Name	Element Id	Domain	Source
Admission Type	134	Admission	UB92 FL19
Admit Source	144	Admission	UB92 FL20
Discharge Disposition	166	Discharge	UB92 FL22
Expected Discharge Disposition	728	Discharge	UB92 FL22

Provider Type	1510Provider	Healthcare Provider Taxonomy
Accident Code	528Accident	ICD-9 E codes
Auto Accident State	812Accident	FIPS 5-2
Death Cause Code	1574Death and Autopsy	ICD-10

Coded Fields with HL7® Suggested Value Sets (v2.4)

Element Name	Element Id	Domain	Table
Event Reason Code	102	Encounter	HL0062
Patient Class (1)	132	Encounter	HL0004
Ambulatory Status	145	Encounter	HL0009
Visit Priority Code	726	Admission	HL0217
Mode of Arrival Code (2)	1543	Admission	HL0430
Recreational Drug Use Code	1544	Transfer	HL0431
Admission Level of Care Code	1545	Admission	HL0432
Precaution Code	1546	Encounter	HL0433
Patient Condition Code	1547	Encounter	HL0434
Organization Unit Type (3)	1461	Provider	HL0406

Coded Fields with HL7® Suggested Value Sets (v2.5)

Element Name	Element Id	Domain	Table
Hospital Service (4)	140	Encounter	HL0069
Re-admission Indicator (5)	143	Admission	HL0092
Visit Publicity Code	722	Encounter	HL0215
Patient Status Code	725	Encounter	HL0216
Living Will Code	759	Encounter	HL0315
Organ Donor Code	760	Encounter	HL0316
Advance Directive Code	1548	Encounter	HL0435

Coded Fields with HL7® v3 Defined Value Sets

Element Name	Element Id	Domain	Value Set
Accommodation Code	182	Encounter	ActEncounterAccommodationCode
Diet Type	168	Encounter	ActDietCode
Transfer Reason	184	Transfer	TransferActReason
Admit Reason	183	Admission	x_ActEncounterReason

Coded Fields Without Defined Value Sets

Element Name	Element Id	Domain
Preadmit Test Indicator (6)	142	Admission
Discharged to Location (7)	167	Discharge
Servicing Facility (8)	169	Encounter
Recurring Service Code	732	Admission
Role Duration	1201	Provider
Role Action Reason	1205	Provider

Gaps

- Explicit support for home health, field and virtual encounters
- Support for clinical services that do not meet definition of clinical encounter
- National Provider System identifiers for practitioners and healthcare organizations
- Standard location identifiers
- Standard hospital service names

Recommended Code System : HL7

Recommended Code System Version: 2.x or 3

Recommended Code System Reference ID : HL7 2.x Chapter 2 (query), HL7 2.x Chapter 15 (Personnel Management) & HL7 2.x Chapter 11 (Patient Referral).

Recommended Code System Hyperlink :

(1) Download all balloted chapters of HL7 version 2.5 in word document (doc) format:

https://www.hl7.org/memonly/v25/membership2/v25_completepackage_wordformat.zip

(2) Download all balloted chapters of HL7 version 2.5 in PDF format:
https://www.hl7.org/memonly/v25/membership2/v25_completepackage_pdfformat.zip

(3) Download Individual Chapters of HL7 Version 2.5 in word / pdf format:
<https://www.hl7.org/memonly/v25/membership2/index.cfm>

(4) Download HL7 RIM Version 2.04 RIM_0204:
<http://www.hl7.org/Library/data-model/RIM/C30204/vocabulary.htm#voc-contents>

Recommended Code System Concept Enumeration: Partial (Please refer to the specific Clinical Encounter sub-domain / element).

Provider Type		Pending (HIPPA Provider Taxonomy)
Accident Codes	ICD-9 E	
Death Cause Codes	ICD 10	

PHIN Vocabulary Domain Name : Provider Type

Healthcare Provider Taxonomy HIPAA

PHIN Vocabulary Domain Code : HealthcareProviderTaxonomyHIPAA

PHIN Vocabulary Domain ID :212

PHIN Vocabulary Domain Definition : This field is used by systems to categorize patients by site. It does not have a consistent industry-wide definition. It is subject to site-specific variations.

PHIN Vocabulary Domain Keywords : Healthcare provider Taxonomy (Person)

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status: Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/encounter_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: See the Clinical Encounter domain comments.

Recommended Code System : HL7

Recommended Code System Version: Version 3, HL7 RIM Version 2.04

Recommended Code System Reference ID :HealthcareProviderTaxonomyHIPAA

Recommended Code System Hyperlink :

<http://www.hl7.org/Library/data-model/RIM/C30204/HealthcareProviderTaxonomyHIPAA.htm>

Recommended Code System Concept Enumeration: Complete (This is presented for illustrative purposes only)

Lvl	Type, Domain name and/or Mnemonic code	Concept ID	Mnemonic	Print Name	Definition/Description
1	A: Individual Healthcare Provider HIPAA	V13130			Broad classification aggregating providers who are individual people rather than an organization.
2	A: Abstract Chiropractic Providers HIPAA	V13174			

3	S: Chiropractors HIPA V13175 A (111N00000N)	111N00000N	Chiropractors; Chiropractor	A provider qualified by a Doctor of Chiropractic (D.C.), licensed by the State and who practices chiropractic medicine -that discipline within the healing arts which deals with the nervous system and its relationship to the spinal column and its interrelationship with other body systems.
4	L: (111NI091317600N)	111NI0900N	Chiropractors; Chiropractor; Internist	
4	L: (111NN013177400N)	111NN0400N	Chiropractors; Chiropractor; Neurology	
4	L: (111NN113178001N)	111NN1001N	Chiropractors; Chiropractor; Nutrition	
4	L: (111NR013181200N)	111NR0200N	Chiropractors; Chiropractor; Radiology	
4	L: (111NS013182005N)	111NS0005N	Chiropractors; Chiropractor; Sports Physician	
4	L: (111NT013183100N)	111NT0100N	Chiropractors; Chiropractor; Thermography	
4	L: (111NX013179100N)	111NX0100N	Chiropractors; Chiropractor; Occupational Medicine	
4	L: (111NX013180800N)	111NX0800N	Chiropractors; Chiropractor; Orthopedic	

2	A: Behavior a HealthA n dOrSocia V13131 l ServiceP r oviderHI PAA			Broad classification aggregating providers who are trained and educated to perform services related to behavioral health, mental health, and counseling and may be licensed or practice within the scope or licensure or training.
3	S: Behavior a HealthA n dOrSocia l V13132 ServiceC o unselorH IPAA (101Y00 000N)	101Y00000N	Behavioral Health & Social Service; Counselor	A provider who is trained and educated in the performance of behavior health services through interpersonal communications and analysis. Training and education at the specialty level usually requires a master's degree and clinical experience and supervision for licensure or certification.
4	L: (101YA0 13141 400N)	101YA0400 N	Behavioral Health & Social Service; Counselor; Addiction (Substance Use Disorder)	
4	L: (101YM013142 800N)	101YM0800 N	Behavioral Health & Social Service; Counselor; Mental Health	
4	L: (101YP1 13143 600N)	101YP1600N	Behavioral Health & Social Service; Counselor; Pastoral	
4	L: (101YP2 13144 500N)	101YP2500N	Behavioral Health & Social Service; Counselor; Professional	

4 L: Behavioral
 (101YS0 13145 101YS0200N Health & Social
 200N) Service;
 Counselor;
 School

3 **A:**
Neurops
y V13147
chologist
HIPAA

An individual with a doctorate degree, licensure in clinical psychology and specialized training or board certification in neuropsychology who practices or adheres to the principles of neuropsychology; a specialty within the field of psychology focusing primarily on neurobehavioral functioning.

4 L: Behavioral
 (103GC0 13148 103GC0700 Health & Social
 700N) N Service;
 Neuropsychologi
 st; Clinical

3	S: Psychoan a lyst HIPA V13149 A (103S00 000N)	103S00000N	Behavioral Health & Social Service; Psychoanalyst	(1) A practitioner of psychoanalysis: methods of eliciting from patients their past emotional experiences and their role in influencing their current mental life, in order to discover the conflicts and mechanisms by which their pathologic mental state has been produced and to furnish hints for psychotherapeutic procedures, the method employs free association, recall and interpretation of dreams and interpretation of transference and resistance phenomena; (2) An individual who is educated with a doctor's degree in psychoanalysis or psychology, trained at an established psychoanalytic institute, and practices or adheres to the principles of psychoanalysis. Psychoanalysis is a form of psychotherapy and a system of investigation for determining and understanding mental processes, which was originally conceived by Sigmund Freud. Psychoanalysis involves the analysis and interpretation of dreams, resistances, and transferences, and uses free association and catharsis. Clinical practice requires licensure.
4	L: (103SA1 13151 400N)	103SA1400N	Behavioral Health & Social Service; Psychoanalyst; Associate	
4	L: (103SA1 13150 800N)	103SA1800N	Behavioral Health & Social Service; Psychoanalyst; Affiliate	

3	S: Psychology stHIPAA V13152 (103T000 00N)	103T00000N	Behavioral Health & Social Service; Psychologist	An individual who specializes in psychological research, testing, and/or therapy. Psychology is the branch of science that deals with mental processes and behavior, composed of the following major fields: abnormal, clinical, comparative, counseling, developmental, educational, engineering, experimental, industrial, learning, motivation, perception, personality, physiological, psychometrics, school, and social psychology.
4	L: (103TA0 13153 400N)	103TA0400N	Behavioral Health & Social Service; Psychologist; Addiction (Substance Use Disorder)	
4	L: (103TA0 13154 700N)	103TA0700N	Behavioral Health & Social Service; Psychologist; Adult Development & Aging	
4	L: (103TB0 13155 200N)	103TB0200N	Behavioral Health & Social Service; Psychologist; Behavioral	
4	L: (103TC0 13157 700N)	103TC0700N	Behavioral Health & Social Service; Psychologist; Clinical	
4	L: (103TC1 13158 900N)	103TC1900N	Behavioral Health & Social Service; Psychologist; Counseling	

4	L: (103TC2 13156 200N)	103TC2200N	Behavioral Health & Social Service; Psychologist; Child, Youth & Family
4	L: (103TE1013159 00N)	103TE1000N	Behavioral Health & Social Service; Psychologist; Educational
4	L: (103TE1113160 00N)	103TE1100N	Behavioral Health & Social Service; Psychologist; Exercise & Sports
4	L: (103TF0013161 00N)	103TF0000N	Behavioral Health & Social Service; Psychologist; Family
4	L: (103TF0213162 00N)	103TF0200N	Behavioral Health & Social Service; Psychologist; Forensic
4	L: (103TH0 13163 100N)	103TH0100N	Behavioral Health & Social Service; Psychologist; Health
4	L: (103TM1 13164 700N)	103TM1700 N	Behavioral Health & Social Service; Psychologist; Men & Masculinity

4	L: (103TM1 13165 800N)	103TM1800 N	Behavioral Health & Social Service; Psychologist; Mental Retardation & Developmental Disabilities
4	L: (103TP2713166 00N)	103TP2700N	Behavioral Health & Social Service; Psychologist; Psychotherapy
4	L: (103TP2713167 01N)	103TP2701N	Behavioral Health & Social Service; Psychologist; Psychotherapy, Group
4	L: (103TR0 13168 400N)	103TR0400N	Behavioral Health & Social Service; Psychologist; Rehabilitation
4	L: (103TS0213169 00N)	103TS0200N	Behavioral Health & Social Service; Psychologist; School
4	L: (103TW0 13170 100N)	103TW0100 N	Behavioral Health & Social Service; Psychologist; Women

3	S: Social Worker HIPA V13171 A (104100000N)	104100000N	Behavioral Health & Social Service; Social Worker	A clinical social worker is a person who is qualified by a master of Social Work (M.S.W.) degree, licensed, certified or registered by the state as a social worker and practicing within the scope of that license. A social worker provides assistance and counseling to patients and their families and dealing with social, emotional and environmental problems.
4	L: (1041C0 13172700N)	1041C0700N	Behavioral Health & Social Service; Social Worker; Clinical	
4	L: (1041S021317300N)	1041S0200N	Behavioral Health & Social Service; Social Worker; School	
3	L: (106H00 13146000N)	106H00000N	Behavioral Health & Social Service; Marriage & Family Therapist	A mental health provider, e.g. social worker, psychologist, etc. who concentrates his/her practice on the social, emotional and psychological treatment of married couples and families.
3	L: (225CA2 13627500N)	225CA2500N	Respiratory, Rehabilitative & Restorative; Rehabilitation Counselor; Assistive Technology Supplier	

2 **A:**
DentalSe
r V16460
viceProvi
d
erHIPAA

Broad category to identify practitioners licensed by the State who render services related the practice of dentistry. The Practice of Dentistry means the diagnosis, treatment, prescription, or operation for a disease, pain, deformity, deficiency, injury or physical condition of the human tooth, teeth, alveolar process, gums or jaws, or their dependent tissues, or an offer, undertaking, attempt to do, or holding oneself out to do any other these acts.

3 **S:**
DentistH Dental Service
IPAA V13188 122300000N Providers;
(1223000 Dentist
00N)

A dentist is a person qualified by a doctorate in dental surgery (D.D. S.) or dental medicine (D.M.D.). licensed by the state to practice dentistry, and practicing within the scope of that license. Many dentists are general practitioners who handle a wide variety of dental needs. Other dentists practice in one of eight specialty areas recognized by the American Dental Association: oral and maxillofacial surgery, orthodontics, periodontics, prosthodontics, endodontics, public health, oral pathology and pediatric dentistry.

4 **A:**
Prosthod V13195
ontics

5 **L:**
(1327D0 13199 1327D0700N
700N) Dietary &
Nutritional
Service
Providers;
Dietary Manager;
Dietary
Management

4	L: (1223D0 13189 001Y)	1223D0001Y	Dental Service Providers; Dentist; Dental Public Health
4	L: (1223E02 13190 00Y)	1223E0200Y	Dental Service Providers; Dentist; Endodontics
4	L: (1223P01 13192 06Y)	1223P0106Y	Dental Service Providers; Dentist; Pathology, Oral & Maxillofacial
4	L: (1223P02 13193 21Y)	1223P0221Y	Dental Service Providers; Dentist; Pediatrics Dentistry (Pedodontics)
4	L: (1223P03 13194 00Y)	1223P0300Y	Dental Service Providers; Dentist; Periodontics
4	L: (1223S01 13196 12Y)	1223S0112Y	Dental Service Providers; Dentist; Surgery, Oral & Maxillofacial
4	L: (1223X0 13191 400Y)	1223X0400Y	Dental Service Providers; Dentist; Orthodontics

3	L: (124Q00 13186 000N)	124Q00000N	Dental Service Providers; Dental Hygienist	An individual who assists at the chairside in a dental operator, performs reception and clerical functions, and does dental radiograph and selected dental laboratory procedures under the direction and supervision of a dentist. Post-high school education and education is not required, but many dental assistants are graduates of one or two-year post-high school education programs accredited by the Commission on Dental Accreditation. The balance of dental assistants are trained by the dentists who employ them.
3	L: (1268000 13185 00N)	126800000N	Dental Service Providers; Dental Assistant	An individual who assists at the chairside in a dental operator, performs reception and clerical functions, and does dental radiograph and selected dental laboratory procedures under the direction and supervision of a dentist. Post-high school education and education is not required, but many dental assistants are graduates of one or two-year post-high school education programs accredited by the Commission on Dental Accreditation. The balance of dental assistants are trained by the dentists who employ them.
3	L: (1269000 13187 00N)	126900000N	Dental Service Providers; Dental Laboratory Technician	An individual trained or educated to perform one or more phases of the dental laboratory procedures required in the creation of a dental prosthetic, fabricated under a dental prescription (work authorization).

2 **A:
Dietary
n
dOrNutri
ti V13197
onalServi
c
eProvide
rHIPAA**

Broad category defining practitioners who help prevent and treat illness by promoting healthy eating habits, scientifically evaluating diets and suggesting modifications. They may also assess the nutritional needs of patients, develop and implement nutritional care plans.

3 **A:
Dietary
M V13198
anagerH
IPAA**

A dietary manager is a trained food services professional who is charged with maintaining cost/profit objectives, purchasing foods and services for the department and supervising staff. Dietary managers are trained to understand the basic nutritional needs of clients and work in partnership with dietitians, who offer specialized nutritional expertise. The CDM certified dietary manager designation is an advanced professional credential awarded to dietary managers who have completed specific course work, have passed the national credentialing exams (including a sanitation and safety exam) and have applied for certification.

3	S: Nutrition is tHIPAA (133N00 000N)	V13205	133N00000N	Dietary & Nutritional Service Providers; Nutritionist	<p>A specialist in adapting and applying food and nutrient knowledge to the solution of food and nutritional problems, the control of disease, and the promotion of health.</p> <p>Nutritionists perform research, instruct groups and individuals about nutritional requirements, and assist people in developing meal patterns that meet their nutritional needs; (2) A nutritionist is someone who has completed undergraduate and/or graduate training in the discipline of nutrition without necessarily meeting the academic and experience requirements to qualify for the Registered Dietitian designation.</p>
---	---------------------------------------------------------------------------------	--------	------------	-------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

4	L: (133NN1 002N)	13206	133NN1002 N	Dietary & Nutritional Service Providers; Nutritionist; Nutrition, Education	
---	-------------------------------	-------	----------------	-----------------------------------------------------------------------------------------------	--

3	S: Register e dDieticia nHIPAA (133V00 000N)	V13201	133V00000N	Dietary & Nutritional Service Providers; Dietician, Registered	<p>A registered dietician (RD) is a food and nutrition expert who has successfully completed a minimum of a bachelor's degree at a US regionally accredited university or college and course work approved by The American Dietetic Association (ADA); an ADA-accredited or approved, supervised practice program, typically 6 to 12 months in length; a national examination administered by the Commission on Dietetic Registration; and continuing professional educational requirements to maintain registration.</p>
---	---------------------------------------------------------------------------------------------------	--------	------------	-------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

4	L: (133VN1 13203 004N)	133VN1004 N	Dietary & Nutritional Service Providers; Dietician, Registered; Nutrition, Pediatric
4	L: (133VN1 13204 005N)	133VN1005 N	Dietary & Nutritional Service Providers; Dietician, Registered; Nutrition, Renal
4	L: (133VN1 13202 006N)	133VN1006 N	Dietary & Nutritional Service Providers; Dietician, Registered; Nutrition, Metabolic

A person trained in food and nutrition who is an integral part of health care and foodservice management teams. A dietetic technician, registered (DTR) has successfully completed at least a two-year associate's degree at a US regionally accredited college or university; a dietetic technician program approved by The American Dietetic Association, including 450 hours of supervised practice experience; a national examination administered by the Commission on Dietetic Registration; and continuing professional educational requirements to maintain registration.

3	L: (136A00 13200 000N)	136A00000N	Dietary & Nutritional Service Providers; Dietetic Technician
---	------------------------------	------------	-----------------------------------------------------------------------------

2	A: Emergen c yMedical ServiceP r oviderHI PAA	V13207		Broad category for individuals who complete additional training and education in the area of pre-hospital emergency services and are licensed and/or practice within the scope of that training.
3	L: (146L00013210 00N)	146L00000N	Emergency Medical Service Providers; Emergency Medical Technician, Paramedic	An EMT, Paramedic is an individual trained and certified to perform advanced life support (ALS) in medical emergencies based on individual state boards.
3	L: (146M0013209 000N)	146M00000 N	Emergency Medical Service Providers; Emergency Medical Technician, Intermediate	An Intermediate EMT is an individual trained and certified to perform intermediate life support treatment in medical emergencies based on individual state boards.
3	L: (146N0013208 000N)	146N00000N	Emergency Medical Service Providers; Emergency Medical Technician, Basic	A Basic EMT is an individual trained and certified to perform basic life support treatment in medical emergencies based on individual state boards.
2	A: EyeAnd Vi sionServi c eProvide rHIPAA	V13211		Broad category grouping individuals who render services related to the human eye and visual systems, but are not an allopathic or osteopathic physicians.

**A:
EyeAnd
Vi
sionServi
c
eProvide
r
Technici
a
nAndOrT
e
chnologis
tHIPAA**

3

V13219

A broad category grouping different kinds of technologists and technicians. See individual definitions.

4

L:
(156FC0 13220
800N)

156FC0800N

Eye and Vision
Service
Providers;
Technician/Techn
ologist; Contact
Lens

4

L:
(156FC0 13221
801N)

156FC0801N

Eye and Vision
Service
Providers;
Technician/Techn
ologist; Contact
Lens Fitter

4

L:
(156FX1 13223
100N)

156FX1100N

Eye and Vision
Service
Providers;
Technician/Techn
ologist;
Ophthalmic

4

L:
(156FX1 13224
101N)

156FX1101N

Eye and Vision
Service
Providers;
Technician/Techn
ologist;
Ophthalmic
Medical
Assistant

4

L:
(156FX1 13226
201N)

156FX1201N

Eye and Vision
Service
Providers;
Technician/Techn
ologist;
Optometric
Assistant

4 L: (156FX1 13227 202N) 156FX1202N Eye and Vision Service Providers; Technician/Technologist; Optometric Technician

4 L: (156FX1 13222 700N) 156FX1700N Eye and Vision Service Providers; Technician/Technologist; Ocularist

4 L: (156FX1 13225 800N) 156FX1800N Eye and Vision Service Providers; Technician/Technologist; Optician

4 L: (156FX1 13228 900N) 156FX1900N Eye and Vision Service Providers; Technician/Technologist; Orthoptist

3 **S:**
Optometrist
HIPAA V13212

(152W00000N)

152W00000N Eye and Vision Service Providers; Optometrist

An optometrist is a person qualified by a Doctor of Optometry (O.D.) degree, licensed by the state and practicing within the scope of that license. Optometrists examine the eyes and related structures to determine the presence of any abnormality and prescribe and adapt lenses or optical aids. They use drugs for diagnosis in all states and for treatment in some states. They do not perform surgery.

4 L: (152WC013213 800N) 152WC0800N Eye and Vision Service Providers; Optometrist; Contact Lens

4	L: (152WL013214 500N)	152WL0500 N	Eye and Vision Service Providers; Optometrist; Low Vision
4	L: (152WP013216 200N)	152WP0200 N	Eye and Vision Service Providers; Optometrist; Pediatrics
4	L: (152WS013217 006N)	152WS0006 N	Eye and Vision Service Providers; Optometrist; Sports Vision
4	L: (152WV013218 400N)	152WV0400 N	Eye and Vision Service Providers; Optometrist; Vision Therapy
4	L: (152WX013215 102N)	152WX0102 N	Eye and Vision Service Providers; Optometrist; Occupational Vision

2
A:
NursingS
e
ervicePro V13229
vi
derHIPA
A

Providers who are trained and educated to perform services in health promotion, disease prevention, acute and chronic care, and restoration of health, and health maintenance across the life span.

3	<p>S: Register e dNurseH V13232 IPAA (163W00 000N)</p>	163W00000 N	Nursing Service Providers; Registered Nurse	<p>(1) A registered nurse is a person qualified by graduation from an accredited nursing school (depending upon schooling, a registered nurse may receive either a diploma from a hospital program, an associate degree in nursing (A.D.N.) or a Bachelor of Science degree in nursing (B.S.N.), who is licensed or certified by the state, and is practicing within the scope of that license or certification. R.N.'s assist patient in recovering and maintaining their physical or mental health. They assist physicians during treatments and examinations and administer medications. (2) A provider who is trained and educated in a formal nursing education program at an accredited school of nursing, passes a national certification examination, and is licensed by the state to practice nursing. The individual provides nursing services to patients or clients in areas such as health promotion, disease prevention, acute and chronic care and restoration and maintenance of health across the life span.</p>
4	L: (163WA013233 400N)	163WA0400 N	Nursing Service Providers; Registered Nurse; Addiction (Substance Use Disorder)	
4	L: (163WA213234 000N)	163WA2000 N	Nursing Service Providers; Registered Nurse; Administrator	

4	L: (163WC013241 200N)	163WC0200 N	Nursing Service Providers; Registered Nurse; Critical Care Medicine
4	L: (163WC013236 400N)	163WC0400 N	Nursing Service Providers; Registered Nurse; Case Management
4	L: (163WC113237 400N)	163WC1400 N	Nursing Service Providers; Registered Nurse; College Health
4	L: (163WC113238 500N)	163WC1500 N	Nursing Service Providers; Registered Nurse; Community Health
4	L: (163WC113240 600N)	163WC1600 N	Nursing Service Providers; Registered Nurse; Continuing Education/Staff Development
4	L: (163WC213239 100N)	163WC2100 N	Nursing Service Providers; Registered Nurse; Continenence Care
4	L: (163WC313235 500N)	163WC3500 N	Nursing Service Providers; Registered Nurse; Cardiac Rehabilitation
4	L: (163WD013242 400N)	163WD0400 N	Nursing Service Providers; Registered Nurse; Diabetes Educator

4	L: (163WD113243 100N)	163WD1100 N	Nursing Service Providers; Registered Nurse; Dialysis, Peritoneal
4	L: (163WE013244 003N)	163WE0003 N	Nursing Service Providers; Registered Nurse; Emergency
4	L: (163WE013245 900N)	163WE0900 N	Nursing Service Providers; Registered Nurse; Enterstomal Therapy
4	L: (163WF013246 300N)	163WF0300 N	Nursing Service Providers; Registered Nurse; Flight
4	L: (163WG013248 000N)	163WG0000 N	Nursing Service Providers; Registered Nurse; General Practice
4	L: (163WG013247 100N)	163WG0100 N	Nursing Service Providers; Registered Nurse; Gastroenterology
4	L: (163WG013249 600N)	163WG0600 N	Nursing Service Providers; Registered Nurse; Gerontology
4	L: (163WH013251 200N)	163WH0200 N	Nursing Service Providers; Registered Nurse; Home Health

4	L: (163WH013250 500N)	163WH0500 N	Nursing Service Providers; Registered Nurse; Hemodialysis
4	L: (163WH113252 000N)	163WH1000 N	Nursing Service Providers; Registered Nurse; Hospice
4	L: (163WI0 13254 500N)	163WI0500N	Nursing Service Providers; Registered Nurse; Infusion Therapy
4	L: (163WI0 13253 600N)	163WI0600N	Nursing Service Providers; Registered Nurse; Infection Control
4	L: (163WL0 13255 100N)	163WL0100 N	Nursing Service Providers; Registered Nurse; Lactation Consultant
4	L: (163WM 13257 0102N)	163WM0102 N	Nursing Service Providers; Registered Nurse; Maternal Newborn
4	L: (163WM 13258 0705N)	163WM0705 N	Nursing Service Providers; Registered Nurse; Medical-Surgical
4	L: (163WM 13256 1400N)	163WM1400 N	Nursing Service Providers; Registered Nurse; Massage Therapy
4	L: (163WN 13259 0002N)	163WN0002 N	Nursing Service Providers; Registered Nurse; Neonatal Intensive Care

4	L: (163WN 13260 0003N)	163WN0003 N	Nursing Service Providers; Registered Nurse; Neonatal, Low-Risk
4	L: (163WN 13261 0300N)	163WN0300 N	Nursing Service Providers; Registered Nurse; Nephrology
4	L: (163WN 13262 0800N)	163WN0800 N	Nursing Service Providers; Registered Nurse; Neuroscience
4	L: (163WN 13263 1003N)	163WN1003 N	Nursing Service Providers; Registered Nurse; Nutrition Support
4	L: (163WP0 13273 000N)	163WP0000 N	Nursing Service Providers; Registered Nurse; Pain Management
4	L: (163WP0 13275 200N)	163WP0200 N	Nursing Service Providers; Registered Nurse; Pediatrics
4	L: (163WP0 13274 218N)	163WP0218 N	Nursing Service Providers; Registered Nurse; Pediatric Oncology
4	L: (163WP0 13281 807N)	163WP0807 N	Nursing Service Providers; Registered Nurse; Psychiatric/Ment al Health, Child & Adolescent

4	L: (163WP0 13279 808N)	163WP0808 N	Nursing Service Providers; Registered Nurse; Psychiatric/Ment al Health
4	L: (163WP0 13280 809N)	163WP0809 N	Nursing Service Providers; Registered Nurse; Psychiatric/Ment al Health, Adult
4	L: (163WP1 13276 700N)	163WP1700 N	Nursing Service Providers; Registered Nurse; Perinatal
4	L: (163WP2 13277 200N)	163WP2200 N	Nursing Service Providers; Registered Nurse; Post-Anesthesia
4	L: (163WP2 13278 201N)	163WP2201 N	Nursing Service Providers; Registered Nurse; Post-Anesthesia, Ambulatory
4	L: (163WR0 13282 400N)	163WR0400 N	Nursing Service Providers; Registered Nurse; Rehabilitation
4	L: (163WR1 13283 000N)	163WR1000 N	Nursing Service Providers; Registered Nurse; Reproductive Endocrinology/In fertility
4	L: (163WS0 13285 121N)	163WS0121 N	Nursing Service Providers; Registered Nurse; Surgery, Plastic

4	L: (163WS013284 200N)	163WS0200 N	Nursing Service Providers; Registered Nurse; School
4	L: (163WU013286 100N)	163WU0100 N	Nursing Service Providers; Registered Nurse; Urology
4	L: (163WW13288 0000N)	163WW0000 N	Nursing Service Providers; Registered Nurse; Wound Care
4	L: (163WW13287 0101N)	163WW0101 N	Nursing Service Providers; Registered Nurse; Women's Health Care, Ambulatory
4	L: (163WX013264 002N)	163WX0002 N	Nursing Service Providers; Registered Nurse; Obstetric, High-Risk
4	L: (163WX013265 003N)	163WX0003 N	Nursing Service Providers; Registered Nurse; Obstetric, Inpatient
4	L: (163WX013266 106N)	163WX0106 N	Nursing Service Providers; Registered Nurse; Occupational Health
4	L: (163WX013267 200N)	163WX0200 N	Nursing Service Providers; Registered Nurse; Oncology

4	L: (163WX013272 601N)	163WX0601 N	Nursing Service Providers; Registered Nurse; Otorhinolaryngol ogy & Head-Neck	
4	L: (163WX013270 800N)	163WX0800 N	Nursing Service Providers; Registered Nurse; Orthopedic	
4	L: (163WX113268 000N)	163WX1000 N	Nursing Service Providers; Registered Nurse; Operating Room	
4	L: (163WX113269 100N)	163WX1100 N	Nursing Service Providers; Registered Nurse; Ophthalmic	
4	L: (163WX113271 500N)	163WX1500 N	Nursing Service Providers; Registered Nurse; Ostomy Care	
3	L: (164W00 13230 000N)	164W00000 N	Nursing Service Providers; Licensed Practical Nurse	An individual with post-high school vocational training and practical experience in the provision of nursing care at a level less than that required for certification as a Registered Nurse. Requirements for education, experience, licensure, and job responsibilities vary among the states.

3 L: (164X00 13231 164X00000N) Nursing Service Providers; Licensed Vocational Nurse. [An alternate term for licensed practical nurse arising from difference in occupational titles between states and post-high school training programs and institutions.] Requirements for education, experience, licensure, and job responsibilities vary among the states.

2 S: Nursing Service Related Providers at ProviderHIPAA V13289 374700000N Nursing Service Related Providers performance of laboratory procedures involving biochemical analyses. Special technical qualifications are normally required, though an increasing number or technicians also possess university degrees in science, and occasionally doctorate degrees. The distinction between technician and technologist in the health care field is not always clear.

3	S: NursingS e rviceRel at edProvid V13134 e rTechnici a nHIPAA ()	<p>(1) A person with specialized training in a narrow field of expertise whose occupation requires training and is skilled in specific technical processes and procedures. (2) An individual having special skill or practical knowledge in an area, such as operation and maintenance of equipment or performance of laboratory procedures involving biochemical analyses. Special technical qualifications are normally required, though an increasing number or technicians also possess university degrees in science, and occasionally doctorate degrees. The distinction between technician and technologist in the health care field is not always clear.</p>		
4	L: (3747P1813135 01N)	3747P1801N	Nursing Service Related Providers; Technician; Personal Care Attendant	Providers who are trained and educated to perform and administer services related to health promotion, disease prevention, acute and chronic care, spiritual guidance and comfort for healing and health, restoration of health and health maintenance across the life span.
3	L: (374T00013290 00N)	374T00000N	Nursing Service Related Providers; Christian Science Practitioner/Nurs e	Providers who are trained and educated to perform and administer services related to health promotion, disease prevention, acute and chronic care, spiritual guidance and comfort for healing and health, restoration of health and health maintenance across the life span.
3	L: (374U00 13291 000N)	374U00000N	Nursing Service Related Providers; Technician; Home Health Aide	A person trained to assist public health nurses, home health nurses, and other health professionals in the bedside care of patients in their homes.

3	L: (376G00 13133 000N)	376G00000N	Nursing Service Related Providers; Nursing Home Administrator	An individual, often licensed by the state, who is responsible for the management of a nursing home.
---	------------------------------	------------	---------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------

3	L: (376J000 13292 00N)	376J00000N	Nursing Service Related Providers; Homemaker	A person who, under the supervision of a home health or welfare agency, assists elderly, ill, and disabled persons by providing services intended to preserve independent living and normal family life; frequently, household chores such as cooking and cleaning.
---	------------------------------	------------	-------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

3	L: (376K00 13293 000N)	376K00000N	Nursing Service Related Providers; Nurse's Aide	(1) An unlicensed individual who is trained to function in an assistive role to the licensed nurse in the provision of patient/client activities as delegated by the nurse; (2) An individual trained (either on-the-job or through a formal course generally of less than one year) and experienced in performing patient or client-care nursing tasks that do not require the skills of a specialist, technician, or professional. Examples of tasks performed by nurses aides include changing clothes, diapers, and beds; assisting patients to perform exercises or personal hygiene tasks, and supporting communication or social interaction. Specific education and credentials are not required for this work.
---	------------------------------	------------	----------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

2	A: OtherPh ys icianProvV13578 i derHIPA A			A State licensed provider in allopathic or osteopathic medicine who performs services in a role defined independently of the scope of medical practice.
---	--------------------------------------------------------------------------	--	--	---------------------------------------------------------------------------------------------------------------------------------------------------------

3 **A:**
OtherPh
ys
icianOsteV13579
o
pathHIP
AA

A physician is a person qualified by a doctorate in medicine (M.D.) or osteopathy (D.O.), licensed by the state, and practicing within the scope of that license. A physician generally has primary responsibility for the health care of the patient. While M.D.s and D.O.s may use all accepted methods of treatment, including drugs and surgery, D.O.s place special emphasis on the body's musculoskeletal systems.

4 L:
(353BL0 13580 353BL0002N
002N) Physicians
(Other Roles);
Physician/Osteop
ath; Laboratory
Service Provider

4 L:
(353BS0 13581 353BS0900N
900N) Physicians
(Other Roles);
Physician/Osteop
ath; Supplier

2 **A:**
OtherSer
v V13136
iceProvid
erHIPAA

Providers not otherwise classified, who perform or administer services in or related to the delivery or research of health care services, disease, and restoration of health. An individual provider who is not represented in one of the identified categories but whose data may be needed for clinical, operational or administrative processes.

3 **A:**
OtherSer
v
iceProvid V13139
e
rContrac
t
orHIPAA

A person who contracts to supply certain materials or do certain work for a stipulated sum; esp., one whose business is contracting work in any of the building trades. For purposes of the taxonomy, a person who contracts to complete home repairs or modifications to accommodate a health condition (e.g. wheelchair ramp, kitchen counter lowering).

4	L: (171WH013140 202N)	171WH0202 N	Other Service Providers; Contractor; Home Modifications	
3	A: OtherSer v iceProvid e rSpeciali stHIPAA	V13347		An individual educated and trained in an applied knowledge discipline used in the performance of work at a level requiring knowledge and skills beyond or apart from that provided by a general education or liberal arts degree.
4	L: (1744G0 13348 900N)	1744G0900N	Other Service Providers; Specialist; Graphics Designer	
4	L: (1744P3213349 00N)	1744P3200N	Other Service Providers; Specialist; Prosthetics Case Management	
4	L: (1744R1113351 02N)	1744R1102N	Other Service Providers; Specialist; Research Study	
4	L: (1744R1113350 03N)	1744R1103N	Other Service Providers; Specialist; Research Data Abstracter/Code r	
3	A: Veterina ri anHIPA A	V13352		A doctor of veterinary medicine, trained and authorized to practice veterinarian medicine and surgery.
4	L: (174MM 13353 1900N)	174MM1900 N	Other Service Providers; Veterinarian; Medical Research	

3	L: (1711000 13137 00N)	171100000N	Other Service Providers; Acupuncturist	An acupuncturist is a person who performs ancient therapy for alleviation of pain, anesthesia and treatment of some diseases. Acupuncturists use long, fine needles inserted into specific points in order to treat painful conditions or produce anesthesia.
3	L: (172A00 13341 000N)	172A00000N	Other Service Providers; Driver	A person employed to operate a motor vehicle as a carrier of persons or property.
3	L: (1730000 13344 00N)	173000000N	Other Service Providers; Legal Medicine	The specialty areas of medicine concerned with matters of, and relations with, substantive law and legal institutions; such as the conduct of medical examinations at crime scenes, performance of autopsies, giving of expert medical testimony in judicial proceedings, medical treatment of inmates of penal institutions, the practice of trauma medicine in law enforcement settings, and other clinical practice and medical science applications in the fields of law, law enforcement, and corrections.
3	L: (175F000 13346 00N)	175F00000N	Other Service Providers; Naturopath	An individual who practices naturopathy, a system of therapeutics in which neither surgical nor medicinal agents are used, dependence being placed only on natural (nonmedicinal) forces.
3	L: (175L000 13343 00N)	175L00000N	Other Service Providers; Homeopath	A provider who is educated and trained in a system of therapeutics in which diseases are treated by drugs which are capable of producing in healthy persons symptoms like those of the disease to be treated. Treatment requires administering a drug in minute doses.

3	L: (175M00 13345 000N)	175M00000 N	Other Service Providers; Midwife, Lay (Non-nurse)	A person qualified by experience and limited specialized training to provide obstetric and neo-natal care in the management of women having normal pregnancy, labor and childbirth. The lay midwife is licensed in some states.
3	L: (176P000 13342 00N)	176P00000N	Other Service Providers; Funeral Director	A person, usually an embalmer, whose business is to arrange for the burial or cremation of the dead and to assist at the funeral rites.
2	A: Other Technologist A V13644 ndOr Technician h nician PAA			A broad category grouping providers who apply scientific knowledge in solving practical or theoretical problems or applies technical procedures in accordance with their training and experience.
3	A: Cardiology Specialist s V13660 tOr Technician n ologist PAA			An allied health professional who performs diagnostic examinations at the request or direction of a physician in one or more of the following three areas: invasive cardiology, noninvasive cardiology, and noninvasive peripheral vascular study. Cardiovascular technologists are one type of allied health professional for which the Committee on Allied Health Education and Accreditation has accredited education programs.
4	L: (246VC0 13661 100N)	246VC0100 N	Technologists, Technicians & Other; Specialist/Technologist, Cardiology; Cardiology	

4	L: (246VC2 13662 400N)	246VC2400 N	Technologists, Technicians & Other; Specialist/Techno logist, Cardiology; Cardiopulmonary -Cardiovascular
4	L: (246VC2 13663 901N)	246VC2901 N	Technologists, Technicians & Other; Specialist/Techno logist, Cardiology; Cardiovascular: Invasive Technology
4	L: (246VC2 13664 902N)	246VC2902 N	Technologists, Technicians & Other; Specialist/Techno logist, Cardiology; Cardiovascular: Noninvasive Technology
4	L: (246VC2 13665 903N)	246VC2903 N	Technologists, Technicians & Other; Specialist/Techno logist, Cardiology; Cardiovascular: Vascular Technology
4	L: (246VP3 13666 600N)	246VP3600N	Technologists, Technicians & Other; Specialist/Techno logist, Cardiology; Perfusionist

4 L: (246VS1 13667 301N) 246VS1301N Technologists, Technicians & Other; Specialist/Technologist, Cardiology; Sonography, Diagnostic Cardiac

4 L: (246VV0 13668 100N) 246VV0100N Technologists, Technicians & Other; Specialist/Technologist, Cardiology; Vascular

3 **A: Health Information Specialist or Technologist** V13669 HIPA
 An individual with a high school diploma, on-the-job experience and coding education from seminars or college classes who passes a national certification examination in either inpatient and outpatient facility services coding, or physician services coding.

4 L: (246YC3 13670 301N) 246YC3301N Technologists, Technicians & Other; Specialist/Technologist, Health Information; Coding Specialist, Hospital Based

4 L: (246YC3 13671 302N) 246YC3302N Technologists, Technicians & Other; Specialist/Technologist, Health Information; Coding Specialist, Physician Office Based

4	L: (246YR1 13672 600N)	246YR1600 N	Technologists, Technicians & Other; Specialist/Techno logist, Health Information; Registered Record Administrator	
3	A: HealthIn f ormation T echnician HIPAA	V13703		Preferred term for an Accredited Record Technician who is an individual with an associate's degree from an accredited college or independent study program who is skilled in analyzing health information and in examination of medical records for accuracy, reporting of patient data for reimbursement, and creation of disease registries for researchers.
4	L: (2470A2 13704 800N)	2470A2800N	Technologists, Technicians & Other; Technician, Health Information; Assistant Record Technician	
3	A: OtherTe c hnologist OrTechni c ian A	V13673		General classification identifying individuals trained on specific equipment and technical procedures in one of a collection of miscellaneous healthcare disciplines.
4	L: (246ZA2 13674 600N)	246ZA2600N	Technologists, Technicians & Other; Specialist/Techno logist, Other; Art, Medical	

4	L: (246ZB0 13676 301N)	246ZB0301N	Technologists, Technicians & Other; Specialist/Techno logist, Other; Biomedical Engineering
4	L: (246ZB0 13677 302N)	246ZB0302N	Technologists, Technicians & Other; Specialist/Techno logist, Other; Biomedical Photographer
4	L: (246ZB0 13675 500N)	246ZB0500N	Technologists, Technicians & Other; Specialist/Techno logist, Other; Biochemist
4	L: (246ZB0 13678 600N)	246ZB0600N	Technologists, Technicians & Other; Specialist/Techno logist, Other; Biostatistician
4	L: (246ZE0513679 00N)	246ZE0500N	Technologists, Technicians & Other; Specialist/Techno logist, Other; EEG
4	L: (246ZE0613680 00N)	246ZE0600N	Technologists, Technicians & Other; Specialist/Techno logist, Other; Electroneurodiag nostic
4	L: (246ZF0213681 00N)	246ZF0200N	Technologists, Technicians & Other; Specialist/Techno logist, Other; Forensic

4	L: (246ZG0 13683 701N)	246ZG0701N	Technologists, Technicians & Other; Specialist/Techno logist, Other; Graphics Methods
4	L: (246ZG1 13682 000N)	246ZG1000N	Technologists, Technicians & Other; Specialist/Techno logist, Other; Geneticist, Medical (PhD)
4	L: (246ZI10 13684 00N)	246ZI1000N	Technologists, Technicians & Other; Specialist/Techno logist, Other; Illustration, Medical
4	L: (246ZN0 13685 300N)	246ZN0300 N	Technologists, Technicians & Other; Specialist/Techno logist, Other; Nephrology
4	L: (246ZS0413686 00N)	246ZS0400N	Technologists, Technicians & Other; Specialist/Techno logist, Other; Surgical
4	L: (246ZV0 13687 500N)	246ZV0500N	Technologists, Technicians & Other; Specialist/Techno logist, Other; Virology

3 **A:
Other Technologist
Or Technician
Provider
HIPAA** V13705

A collective term for persons with specialized training in various narrow fields of expertise whose occupations require training and skills in specific technical processes and procedures; and where further classification is deemed unnecessary by the user.

4	L: (2472B0313706 01N)	2472B0301N	Technologists, Technicians & Other; Technician, Other; Biomedical Engineering
4	L: (2472D0 13707 500N)	2472D0500N	Technologists, Technicians & Other; Technician, Other; Darkroom
4	L: (2472E05 13708 00N)	2472E0500N	Technologists, Technicians & Other; Technician, Other; EEG
4	L: (2472R0913709 00N)	2472R0900N	Technologists, Technicians & Other; Technician, Other; Renal Dialysis
4	L: (2472V0 13710 600N)	2472V0600N	Technologists, Technicians & Other; Technician, Other; Veterinary

3 **A:
Pathology
Specialist
Or
Technologist
HIP
AA** V13688

(1) An individual educated and trained in clinical chemistry, microbiology or other biological sciences; and in gathering data on the blood, tissues, and fluids in the human body. Tests and procedures performed or supervised center on major areas of hematology, microbiology, immunohematology, immunology, clinical chemistry and urinalysis. Education and certification requires the equivalent of an associate degree and alternative combinations of accredited training and experience. (2) A specially trained individual who works under the direction of a pathologist, other physician, or scientist, and performs specialized chemical, microscopic, and bacteriological tests of human blood, tissue, and fluids. Also known as medical technologists, they perform and supervise tests and procedures in clinical chemistry, immunology, serology, bacteriology, hematology, parasitology, mycology, urinalysis, and blood banking.

4 L: (246QB0 13689 000N) 246QB0000N Technologists, Technicians & Other; Specialist/Technologist, Pathology; Blood Banking

4 L: (246QC1 13690 000N) 246QC1000N Technologists, Technicians & Other; Specialist/Technologist, Pathology; Chemistry

4	L: (246QC2 13691 700N)	246QC2700 N	Technologists, Technicians & Other; Specialist/Techno logist, Pathology; Cytotechnology
4	L: (246QH0 13693 000N)	246QH0000 N	Technologists, Technicians & Other; Specialist/Techno logist, Pathology; Hematology
4	L: (246QH0 13692 401N)	246QH0401 N	Technologists, Technicians & Other; Specialist/Techno logist, Pathology; Hemapheresis Practitioner
4	L: (246QH0 13694 600N)	246QH0600 N	Technologists, Technicians & Other; Specialist/Techno logist, Pathology; Histology
4	L: (246QI00 13695 00N)	246QI0000N	Technologists, Technicians & Other; Specialist/Techno logist, Pathology; Immunology
4	L: (246QL0 13696 900N)	246QL0900 N	Technologists, Technicians & Other; Specialist/Techno logist, Pathology; Laboratory Management

4 L: (246QL0 13697 901N) 246QL0901 N Technologists, Technicians & Other; Specialist/Technologist, Pathology; Laboratory Management, Diplomate

4 L: (246QM013698 706N) 246QM0706 N Technologists, Technicians & Other; Specialist/Technologist, Pathology; Medical Technologist

4 L: (246QM013699 900N) 246QM0900 N Technologists, Technicians & Other; Specialist/Technologist, Pathology; Microbiology

3 **A: Pathology Technicians and HIPAA** V13711 An individual with knowledge of specific techniques and instruments who performs all of the routine tests in a medical laboratory and who has the ability to discriminate between similar factors that directly affect procedures and results.

4 L: (246RH0 13712 600N) 246RH0600 N Technologists, Technicians & Other; Technician, Pathology; Histology

4 L: (246RM2 13713 200N) 246RM2200 N Technologists, Technicians & Other; Technician, Pathology; Medical Laboratory

4	L: (246RP1 13714 900N)	246RP1900N	Technologists, Technicians & Other; Technician, Pathology; Phlebotomy	
3	A: Radiologic Technologist HIPAA A	V13645		An individual who is trained and qualified in the [art and science of] use of both ionizing and non-ionizing radiation for the purposes of diagnostic medical imaging, interventional procedures and therapeutic treatment.
4	L: (2471C1 13646 101N)	2471C1101N	Technologists, Technicians & Other; Radiologic Technologist; Cardiovascular-Interventional Technology: Radiography	
4	L: (2471C3 13647 401N)	2471C3401N	Technologists, Technicians & Other; Radiologic Technologist; Computed Tomography: Radiation Therapy	
4	L: (2471C3 13648 402N)	2471C3402N	Technologists, Technicians & Other; Radiologic Technologist; Computed Tomography: Radiography	

4	L: (2471D1 13649 300N)	2471D1300N	Technologists, Technicians & Other; Radiologic Technologist; Dosimetrist, Medical
4	L: (2471M1 13650 201N)	2471M1201 N	Technologists, Technicians & Other; Radiologic Technologist; Magnetic Resonance Imaging (MRI): Radiation Therapy
4	L: (2471M1 13651 202N)	2471M1202 N	Technologists, Technicians & Other; Radiologic Technologist; Magnetic Resonance Imaging (MRI): Radiographer
4	L: (2471M2 13652 300N)	2471M2300 N	Technologists, Technicians & Other; Radiologic Technologist; Mammography: Radiography
4	L: (2471N0 13653 900N)	2471N0900N	Technologists, Technicians & Other; Radiologic Technologist; Nuclear Medicine Technology

4	L: (2471Q0 13654 001N)	2471Q0001N	Technologists, Technicians & Other; Radiologic Technologist; Quality Management: Radiation Therapy
4	L: (2471Q0 13655 002N)	2471Q0002N	Technologists, Technicians & Other; Radiologic Technologist; Quality Management: Radiographer
4	L: (2471R0013657 02N)	2471R0002N	Technologists, Technicians & Other; Radiologic Technologist; Radiation Therapy
4	L: (2471R0013656 03N)	2471R0003N	Technologists, Technicians & Other; Radiologic Technologist; Radiation Physicist
4	L: (2471R1513658 00N)	2471R1500N	Technologists, Technicians & Other; Radiologic Technologist; Radiographer
4	L: (2471S1313659 02N)	2471S1302N	Technologists, Technicians & Other; Radiologic Technologist; Sonography, Diagnostic Medical

2	A: Pharmacy Service Provider PAA V13354			A broad category grouping providers who render services relating to the preparation and dispensing of drugs.
3	S: Pharmacist HIPAA V13355 (183500000N)	183500000N	Pharmacy Service Providers; Pharmacist	An individual who is licensed to prepare and sell or dispense drugs and compounds and to make up prescriptions.
4	L: (1835G0 13356 000N)	1835G0000N	Pharmacy Service Providers; Pharmacist; General Practice	
4	L: (1835N0 13357 905N)	1835N0905N	Pharmacy Service Providers; Pharmacist; Nuclear Pharmacy	
4	L: (1835N1 13358 003N)	1835N1003N	Pharmacy Service Providers; Pharmacist; Nutrition Support	
4	L: (1835P12 13359 00N)	1835P1200N	Pharmacy Service Providers; Pharmacist; Pharmacotherapy	
4	L: (1835P13 13360 00N)	1835P1300N	Pharmacy Service Providers; Pharmacist; Psychopharmacy	

3 **A:**
Pharmac
y
ServiceP
r V13361
oviderTe
c
hnicianH
IPAA

(1) A person with specialized training in a narrow field of expertise whose occupation requires training and is skilled in specific technical processes and procedures. (2) An individual having special skill or practical knowledge in an area, such as operation and maintenance of equipment or performance of laboratory procedures involving biochemical analyses. Special technical qualifications are normally required, though an increasing number or technicians also possess university degrees in science, and occasionally doctorate degrees. The distinction between technician and technologist in the health care field is not always clear.

4 **L:**
(1847P3413362 1847P3400N
00N) Pharmacy
Service
Providers;
Technician;
Pharmacy

2 **A:**
Physician
Assistant
s
AndOrA
d V13363
vancedPr
a
cticeNur
si
ngProvid
erHIPAA

A broad grouping of providers who are: 1) trained, educated, and certified to perform basic medical and minor surgical services (or to assist the physician in performance of more complex services) under general physician supervision; and 2) trained, educated at a post-graduate level, and certified to perform autonomous and specialized roles as nurse practitioners, midwives, nurse anesthetists, or clinical nurse specialists.

3	S: ClinicalN u rseSpeci al V13364 istHIPA A (364S000 00N)	364S00000N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist	A registered nurse who, through a graduate degree program in nursing, or through a formal post-basic education program or continuing education courses and clinical experience, is expert in a specialty area of nursing practice within one or more of the components of direct patient/client care, consultation, education, research and administration.
4	L: (364SA2 13365 100N)	364SA2100N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Acute Care	
4	L: (364SA2 13366 200N)	364SA2200N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Adult Health	
4	L: (364SC0 13369 200N)	364SC0200N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Critical Care Medicine	
4	L: (364SC1 13368 501N)	364SC1501N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Community Health/Public Health	

4	L: (364SC2 13367 300N)	364SC2300N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Chronic Care
4	L: (364SE0013370 03N)	364SE0003N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Emergency
4	L: (364SE1413371 00N)	364SE1400N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Ethics
4	L: (364SF0013372 01N)	364SF0001N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Family Health
4	L: (364SG0 13373 600N)	364SG0600N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Gerontology

4	L: (364SH0 13375 200N)	364SH0200N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Home Health
4	L: (364SH1 13374 100N)	364SH1100N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Holistic
4	L: (364SI08 13376 00N)	364SI0800N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Informatics
4	L: (364SL0613377 00N)	364SL0600N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Long-Term Care
4	L: (364SM0 13378 705N)	364SM0705 N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Medical-Surgical

4	L: (364SN0 13379 000N)	364SN0000 N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Neonatal
4	L: (364SN0 13380 004N)	364SN0004 N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Neonatal, High-Risk
4	L: (364SN0 13381 800N)	364SN0800 N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Neuroscience
4	L: (364SP0213385 00N)	364SP0200N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Pediatrics
4	L: (364SP0813390 07N)	364SP0807N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Psychiatric/Ment al Health, Child & Adolescent

4	L: (364SP0813388 08N)	364SP0808N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Psychiatric/Ment al Health
4	L: (364SP0813389 09N)	364SP0809N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Psychiatric/Ment al Health, Adult
4	L: (364SP0813391 10N)	364SP0810N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Psychiatric/Ment al Health, Child & Family
4	L: (364SP0813392 11N)	364SP0811N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Psychiatric/Ment al Health, Chronically Ill

4	L: (364SP0813393 12N)	364SP0812N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Psychiatric/Ment al Health, Community
4	L: (364SP0813394 13N)	364SP0813N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Psychiatric/Ment al Health, Geropsychiatric
4	L: (364SP1713386 00N)	364SP1700N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Perinatal
4	L: (364SP2813387 00N)	364SP2800N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Perioperative
4	L: (364SR0 13395 400N)	364SR0400N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Rehabilitation

4	L: (364SR1 13396 300N)	364SR1300N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Rural Health
4	L: (364SS0213397 00N)	364SS0200N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; School
4	L: (364ST0513398 00N)	364ST0500N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Transplantation
4	L: (364SW0 13399 102N)	364SW0102 N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Women's Health
4	L: (364SX0 13382 106N)	364SX0106N	Physician Assistants & Advanced Practice Nursing Providers; Clinical Nurse Specialist; Occupational Health

4 L:
(364SX0 13383
200N) 364SX0200N Physician
Assistants &
Advanced
Practice Nursing
Providers;
Clinical Nurse
Specialist;
Oncology

4 L:
(364SX0 13384
204N) 364SX0204N Physician
Assistants &
Advanced
Practice Nursing
Providers;
Clinical Nurse
Specialist;
Oncology,
Pediatrics

(1)A registered nurse provider with a graduate degree in nursing prepared for advanced practice involving independent and interdependent decision making and direct accountability for clinical judgment across the health care continuum or in a certified specialty. (2) A registered nurse who has completed additional training beyond basic nursing education and who provides primary health care services in accordance with state nurse practice laws or statutes. Tasks performed by nurse practitioners vary with practice requirements mandated by geographic, political, economic, and social factors. Nurse practitioner specialists include, but are not limited to, family nurse practitioners, gerontological nurse practitioners, pediatric nurse practitioners, obstetric-gynecologic nurse practitioners, and school nurse practitioners.

3 S:
NursePr
ac
titionerH V13402 363L00000N Physician
Assistants &
Advanced
Practice Nursing
Providers; Nurse
Practitioner
IPAA
(363L000
00N)

4	L: (363LA2 13403 100N)	363LA2100N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; Acute Care
4	L: (363LA2 13404 200N)	363LA2200N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; Adult Health
4	L: (363LC0 13406 200N)	363LC0200N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; Critical Care Medicine
4	L: (363LC1 13405 500N)	363LC1500N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; Community Health
4	L: (363LF0013407 00N)	363LF0000N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; Family
4	L: (363LG0 13408 600N)	363LG0600N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; Gerontology

4	L: (363LN0 13409 000N)	363LN0000 N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; Neonatal
4	L: (363LN0 13410 005N)	363LN0005 N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; Neonatal: Critical Care
4	L: (363LP0213413 00N)	363LP0200N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; Pediatrics
4	L: (363LP0213415 22N)	363LP0222N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; Pediatrics: Critical Care
4	L: (363LP0213414 23N)	363LP0223N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; Pediatrics: Acute Care
4	L: (363LP0813419 08N)	363LP0808N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; Psychiatric/Ment al Health

4	L: (363LP1713416 00N)	363LP1700N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; Perinatal
4	L: (363LP2313417 00N)	363LP2300N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; Primary Care
4	L: (363LS0213420 00N)	363LS0200N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; School
4	L: (363LW013421 102N)	363LW0102 N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; Women's Health
4	L: (363LX013411 001N)	363LX0001N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; Obstetrics & Gynecology
4	L: (363LX013412 106N)	363LX0106N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Practitioner; Occupational Health

3	S: Physician Assistant HIPAA (363A00000N)	V13422	363A00000N	Physician Assistants & Advanced Practice Nursing Providers; Physician Assistant	A physician assistant is a person who has successfully completed an accredited education program for physician assistant, is licensed by the state and is practicing within the scope of that license. Physician assistants are formally trained to perform many of the routine, time-consuming tasks a physician can do. In some states, they may prescribe medications. They take medical histories, perform physical exams, order lab tests and x-rays, and give inoculations. Most states require that they work under the supervision of a physician.
4	L: (363AM013423700N)		363AM0700N	Physician Assistants & Advanced Practice Nursing Providers; Physician Assistant; Medical	
4	L: (363AS013424400N)		363AS0400N	Physician Assistants & Advanced Practice Nursing Providers; Physician Assistant; Surgical	
3	L: (366B000134000N)		366B00000N	Physician Assistants & Advanced Practice Nursing Providers; Midwife, Certified	A provider educated in the independent management of women's health and focusing particularly on pregnancy, childbirth, the post-partum period, care of the newborn, family planning and gynecological needs of women and primary care of women. Certification requires education at the post-secondary level in midwifery and health services.

3	L: (3675000 13401 00N)	367500000N	Physician Assistants & Advanced Practice Nursing Providers; Nurse Anesthetist, Certified Registered	(1)A licensed registered nurse with advanced specialty education in anesthesia who, in collaboration with appropriate health care professionals, provides preoperative, intraoperative, and postoperative care to patients and assists in management and resuscitation of critical patients in intensive care, coronary care, and emergency situations. Nurse anesthetists are certified following successful completion of credentials and state licensure review and a national examination directed by the Council on Certification of Nurse Anesthetists. (2) A registered nurse who is qualified by special training to administer anesthesia in collaboration with a physician or dentist and who can assist in the care of patients who are in critical condition.
2	A: Physician V13425 HIPAA			A broad category grouping state licensed providers in allopathic or osteopathic medicine whose scope of practice is determined by education.
3	S: Physician AndOrO st eopathHI PAA (203B000 00N)	V13426 203B00000N	Physicians; Physician/Osteop ath	A physician is a person qualified by a doctorate in medicine (M.D.) or osteopathy (D.O.), licensed by the state, and practicing within the scope of that license. A physician generally has primary responsibility for the health care of the patient. While M.D.s and D.O.s may use all accepted methods of treatment, including drugs and surgery, D.O.s place special emphasis on the body's musculoskeletal systems.

4	L: (203BA0 13428 000Y)	203BA0000Y	Physicians; Physician/Osteop ath; Adolescent Medicine
4	L: (203BA0 13429 001N)	203BA0001 N	Physicians; Physician/Osteop ath; Adolescent Medicine: Family Practice
4	L: (203BA0 13430 002Y)	203BA0002Y	Physicians; Physician/Osteop ath; Adolescent Medicine: Internal Medicine
4	L: (203BA0 13431 003Y)	203BA0003Y	Physicians; Physician/Osteop ath; Adolescent Medicine: Pediatrics
4	L: (203BA0 13434 100Y)	203BA0100Y	Physicians; Physician/Osteop ath; Aerospace Medicine
4	L: (203BA0 13435 101Y)	203BA0101Y	Physicians; Physician/Osteop ath; Aerospace Medicine: Preventive Medicine
4	L: (203BA0 13438 200N)	203BA0200 N	Physicians; Physician/Osteop ath; Allergy
4	L: (203BA0 13439 201Y)	203BA0201Y	Physicians; Physician/Osteop ath; Allergy & Immunology
4	L: (203BA0 13440 202N)	203BA0202 N	Physicians; Physician/Osteop ath; Allergy & Immunology: Internal Medicine

4	L: (203BA0 13441 300Y)	203BA0300Y	Physicians; Physician/Osteop ath; Anesthesiology
4	L: (203BA0 13427 401N)	203BA0401 N	Physicians; Physician/Osteop ath; Addiction Medicine
4	L: (203BA0 13432 501N)	203BA0501 N	Physicians; Physician/Osteop ath; Adolescent Only, Under 16
4	L: (203BA0 13433 502N)	203BA0502 N	Physicians; Physician/Osteop ath; Adolescent Only, Under 21
4	L: (203BA0 13436 503N)	203BA0503 N	Physicians; Physician/Osteop ath; Age Specific, Greater than 1 Year Old
4	L: (203BA0 13437 504N)	203BA0504 N	Physicians; Physician/Osteop ath; Age Specific, Newborns Only
4	L: (203BB0 13442 000N)	203BB0000N	Physicians; Physician/Osteop ath; Blood Banking
4	L: (203BB0 13443 001Y)	203BB0001Y	Physicians; Physician/Osteop ath; Blood Banking & Transfusion Medicine
4	L: (203BB0 13444 100Y)	203BB0100Y	Physicians; Physician/Osteop ath; Body Imaging

4	L: (203BC0 13445 000Y)	203BC0000Y	Physicians; Physician/Osteop ath; Cardiac Electrophysiolog y
4	L: (203BC0 13446 001Y)	203BC0001Y	Physicians; Physician/Osteop ath; Cardiac Electrophysiolog y, Clinical
4	L: (203BC0 13447 100Y)	203BC0100Y	Physicians; Physician/Osteop ath; Cardiology
4	L: (203BC0 13449 200Y)	203BC0200Y	Physicians; Physician/Osteop ath; Critical Care Medicine
4	L: (203BC0 13450 201Y)	203BC0201Y	Physicians; Physician/Osteop ath; Critical Care Medicine: Anesthesiology
4	L: (203BC0 13451 202Y)	203BC0202Y	Physicians; Physician/Osteop ath; Critical Care Medicine: Internal Medicine
4	L: (203BC0 13452 203Y)	203BC0203Y	Physicians; Physician/Osteop ath; Critical Care Medicine: OB/GYN
4	L: (203BC0 13453 300Y)	203BC0300Y	Physicians; Physician/Osteop ath; Cytogenetics, Clinical
4	L: (203BC0 13454 500Y)	203BC0500Y	Physicians; Physician/Osteop ath; Cytopathology

4	L: (203BC2 13448 500Y)	203BC2500Y	Physicians; Physician/Osteop ath; Cardiovascular Disease
4	L: (203BD0 13455 100Y)	203BD0100Y	Physicians; Physician/Osteop ath; Dermatology
4	L: (203BD0 13456 101Y)	203BD0101Y	Physicians; Physician/Osteop ath; Dermatology Micrographic Surgery
4	L: (203BD0 13459 300N)	203BD0300 N	Physicians; Physician/Osteop ath; Diabetes
4	L: (203BD0 13457 900Y)	203BD0900Y	Physicians; Physician/Osteop ath; Dermatopatholog y
4	L: (203BD0 13458 901N)	203BD0901 N	Physicians; Physician/Osteop ath; Dermatopatholog y: Dermatology
4	L: (203BE0 13460 004Y)	203BE0004Y	Physicians; Physician/Osteop ath; Emergency Medicine
4	L: (203BE0 13461 100Y)	203BE0100Y	Physicians; Physician/Osteop ath; Endocrinology
4	L: (203BE0 13462 101Y)	203BE0101Y	Physicians; Physician/Osteop ath; Endocrinology, Diabetes & Metabolism

4	L: (203BE0 13463 102Y)	203BE0102Y	Physicians; Physician/Osteop ath; Endocrinology, Reproductive
4	L: (203BF0 13464 100Y)	203BF0100Y	Physicians; Physician/Osteop ath; Family Practice
4	L: (203BF0 13465 201Y)	203BF0201Y	Physicians; Physician/Osteop ath; Forensic Pathology
4	L: (203BF0 13466 202N)	203BF0202N	Physicians; Physician/Osteop ath; Forensic Psychiatry
4	L: (203BG0 13468 000Y)	203BG0000Y	Physicians; Physician/Osteop ath; General Practice
4	L: (203BG0 13467 100Y)	203BG0100Y	Physicians; Physician/Osteop ath; Gastroenterology
4	L: (203BG0 13473 200Y)	203BG0200Y	Physicians; Physician/Osteop ath; Genetics, Medical
4	L: (203BG0 13469 201Y)	203BG0201Y	Physicians; Physician/Osteop ath; Genetics, Clinical (M.D.)
4	L: (203BG0 13470 202Y)	203BG0202Y	Physicians; Physician/Osteop ath; Genetics, Clinical Biochemical
4	L: (203BG0 13472 203Y)	203BG0203Y	Physicians; Physician/Osteop ath; Genetics, Clinical Molecular

4	L: (203BG0 13471 204Y)	203BG0204Y	Physicians; Physician/Osteop ath; Genetics, Clinical Biochemical/ Molecular
4	L: (203BG0 13474 300N)	203BG0300 N	Physicians; Physician/Osteop ath; Geriatric Medicine
4	L: (203BG0 13475 301Y)	203BG0301Y	Physicians; Physician/Osteop ath; Geriatric Medicine: Family Practice
4	L: (203BG0 13476 302Y)	203BG0302Y	Physicians; Physician/Osteop ath; Geriatric Medicine: General Practice
4	L: (203BG0 13477 303Y)	203BG0303Y	Physicians; Physician/Osteop ath; Geriatric Medicine: Internal Medicine
4	L: (203BG0 13478 400N)	203BG0400 N	Physicians; Physician/Osteop ath; Gynecology
4	L: (203BH0 13479 000Y)	203BH0000Y	Physicians; Physician/Osteop ath; Hematology
4	L: (203BH0 13481 001Y)	203BH0001Y	Physicians; Physician/Osteop ath; Hematology: Internal Medicine
4	L: (203BH0 13482 002Y)	203BH0002Y	Physicians; Physician/Osteop ath; Hematology: Pathology
4	L: (203BH0 13480 003Y)	203BH0003Y	Physicians; Physician/Osteop ath; Hematology & Oncology

4	L: (203BI00 13483 01N)	203BI0001N	Physicians; Physician/Osteop ath; Immunology, Clinical & Laboratory
4	L: (203BI00 13484 02N)	203BI0002N	Physicians; Physician/Osteop ath; Immunology, Clinical & Laboratory Dermatological
4	L: (203BI00 13488 03Y)	203BI0003Y	Physicians; Physician/Osteop ath; Immunology, Dermatological
4	L: (203BI00 13489 04Y)	203BI0004Y	Physicians; Physician/Osteop ath; Immunology: Laboratory , Diagnostic
4	L: (203BI00 13485 05N)	203BI0005N	Physicians; Physician/Osteop ath; Immunology, Clinical & Laboratory: Allergy & Immunology
4	L: (203BI00 13486 06N)	203BI0006N	Physicians; Physician/Osteop ath; Immunology, Clinical & Laboratory: Internal Medicine
4	L: (203BI00 13487 07N)	203BI0007N	Physicians; Physician/Osteop ath; Immunology, Clinical & Laboratory: Pediatric

4	L: (203BI01 13490 00Y)	203BI0100Y	Physicians; Physician/Osteop ath; Immunopatholog y
4	L: (203BI02 13491 00Y)	203BI0200Y	Physicians; Physician/Osteop ath; Infectious Diseases
4	L: (203BI03 13493 00Y)	203BI0300Y	Physicians; Physician/Osteop ath; Internal Medicine
4	L: (203BI04 13492 00N)	203BI0400N	Physicians; Physician/Osteop ath; Infertility
4	L: (203BL0 13494 000Y)	203BL0000Y	Physicians; Physician/Osteop ath; Laboratory Medicine
4	L: (203BM0 13495 101Y)	203BM0101 Y	Physicians; Physician/Osteop ath; Maternal & Fetal Medicine
4	L: (203BM0 13496 200Y)	203BM0200 Y	Physicians; Physician/Osteop ath; Medical Diseases of the Chest
4	L: (203BM0 13497 300Y)	203BM0300 Y	Physicians; Physician/Osteop ath; Medical Microbiology
4	L: (203BN0 13498 001Y)	203BN0001 Y	Physicians; Physician/Osteop ath; Neonatal-Perinat al Medicine
4	L: (203BN0 13499 100Y)	203BN0100 Y	Physicians; Physician/Osteop ath; Neonatology

4	L: (203BN0 13500 200N)	203BN0200 N	Physicians; Physician/Osteop ath; Neopathology
4	L: (203BN0 13501 300Y)	203BN0300 Y	Physicians; Physician/Osteop ath; Nephrology
4	L: (203BN0 13502 400Y)	203BN0400 Y	Physicians; Physician/Osteop ath; Neurology
4	L: (203BN0 13503 402Y)	203BN0402 Y	Physicians; Physician/Osteop ath; Neurology, Child
4	L: (203BN0 13504 500Y)	203BN0500 Y	Physicians; Physician/Osteop ath; Neuropathology
4	L: (203BN0 13505 600Y)	203BN0600 Y	Physicians; Physician/Osteop ath; Neurophysiology , Clinical
4	L: (203BN0 13506 700Y)	203BN0700 Y	Physicians; Physician/Osteop ath; Neuroradiology
4	L: (203BN0 13509 900Y)	203BN0900 Y	Physicians; Physician/Osteop ath; Nuclear Medicine
4	L: (203BN0 13507 901Y)	203BN0901 Y	Physicians; Physician/Osteop ath; Nuclear Cardiology
4	L: (203BN0 13508 902Y)	203BN0902 Y	Physicians; Physician/Osteop ath; Nuclear Imaging & Therapy

4	L: (203BN0 13510 903Y)	203BN0903 Y	Physicians; Physician/Osteop ath; Nuclear Medicine, In Vivo & In Vitro
4	L: (203BN0 13511 904Y)	203BN0904 Y	Physicians; Physician/Osteop ath; Nuclear Radiology
4	L: (203BP0 13307 001Y)	203BP0001Y	Physicians; Physician/Osteop ath; Pain Management - Anesthesiology
4	L: (203BP0 13309 100Y)	203BP0100Y	Physicians; Physician/Osteop ath; Pathology
4	L: (203BP0 13310 101Y)	203BP0101Y	Physicians; Physician/Osteop ath; Pathology, Anatomic
4	L: (203BP0 13311 102Y)	203BP0102Y	Physicians; Physician/Osteop ath; Pathology, Anatomic & Clinical
4	L: (203BP0 13312 103Y)	203BP0103Y	Physicians; Physician/Osteop ath; Pathology, Anatomic & Laboratory Medicine
4	L: (203BP0 13313 104Y)	203BP0104Y	Physicians; Physician/Osteop ath; Pathology, Chemical
4	L: (203BP0 13314 105Y)	203BP0105Y	Physicians; Physician/Osteop ath; Pathology, Clinical
4	L: (203BP0 13315 107N)	203BP0107N	Physicians; Physician/Osteop ath; Pathology, Radioisotopic

4	L: (203BP0 13333 200Y)	203BP0200Y	Physicians; Physician/Osteop ath; Pediatrics
4	L: (203BP0 13316 201Y)	203BP0201Y	Physicians; Physician/Osteop ath; Pediatric Allergy & Immunology
4	L: (203BP0 13317 202Y)	203BP0202Y	Physicians; Physician/Osteop ath; Pediatric Cardiology
4	L: (203BP0 13318 203Y)	203BP0203Y	Physicians; Physician/Osteop ath; Pediatric Critical Care Medicine
4	L: (203BP0 13319 204Y)	203BP0204Y	Physicians; Physician/Osteop ath; Pediatric Emergency Medicine
4	L: (203BP0 13320 205Y)	203BP0205Y	Physicians; Physician/Osteop ath; Pediatric Endocrinology
4	L: (203BP0 13321 206Y)	203BP0206Y	Physicians; Physician/Osteop ath; Pediatric Gastroenterology
4	L: (203BP0 13322 207Y)	203BP0207Y	Physicians; Physician/Osteop ath; Pediatric Hematology Oncology
4	L: (203BP0 13323 208Y)	203BP0208Y	Physicians; Physician/Osteop ath; Pediatric Infectious Diseases
4	L: (203BP0 13324 209Y)	203BP0209Y	Physicians; Physician/Osteop ath; Pediatric Intensive Care

4	L: (203BP0 13326 210Y)	203BP0210Y	Physicians; Physician/Osteop ath; Pediatric Nephrology
4	L: (203BP0 13327 211Y)	203BP0211Y	Physicians; Physician/Osteop ath; Pediatric Neurology
4	L: (203BP0 13328 212Y)	203BP0212Y	Physicians; Physician/Osteop ath; Pediatric Otolaryngology
4	L: (203BP0 13329 213Y)	203BP0213Y	Physicians; Physician/Osteop ath; Pediatric Pathology
4	L: (203BP0 13330 214Y)	203BP0214Y	Physicians; Physician/Osteop ath; Pediatric Pulmonology
4	L: (203BP0 13331 215N)	203BP0215N	Physicians; Physician/Osteop ath; Pediatric Radiology
4	L: (203BP0 13332 216Y)	203BP0216Y	Physicians; Physician/Osteop ath; Pediatric Rheumatology
4	L: (203BP0 13325 220N)	203BP0220N	Physicians; Physician/Osteop ath; Pediatric Medical Toxicology
4	L: (203BP0 13336 400Y)	203BP0400Y	Physicians; Physician/Osteop ath; Physical Medicine & Rehabilitation
4	L: (203BP0 13337 500Y)	203BP0500Y	Physicians; Physician/Osteop ath; Preventive Medicine, General

4	L: (203BP0 13338 600Y)	203BP0600Y	Physicians; Physician/Osteop ath; Proctology
4	L: (203BP0 13339 800Y)	203BP0800Y	Physicians; Physician/Osteop ath; Psychiatry
4	L: (203BP0 13340 801Y)	203BP0801Y	Physicians; Physician/Osteop ath; Psychiatry & Neurology
4	L: (203BP0 13515 802Y)	203BP0802Y	Physicians; Physician/Osteop ath; Psychiatry, Addiction
4	L: (203BP0 13516 803Y)	203BP0803Y	Physicians; Physician/Osteop ath; Psychiatry, Child
4	L: (203BP0 13517 804Y)	203BP0804Y	Physicians; Physician/Osteop ath; Psychiatry, Child & Adolescent
4	L: (203BP0 13518 805Y)	203BP0805Y	Physicians; Physician/Osteop ath; Psychiatry, Geriatric
4	L: (203BP0 13519 806N)	203BP0806N	Physicians; Physician/Osteop ath; Psychiatry, Pediatric
4	L: (203BP0 13521 901N)	203BP0901N	Physicians; Physician/Osteop ath; Public Health & General Preventive Medicine
4	L: (203BP0 13522 903Y)	203BP0903Y	Physicians; Physician/Osteop ath; Public Health: Preventive Medicine

4	L: (203BP1 13523 001Y)	203BP1001Y	Physicians; Physician/Osteop ath; Pulmonary Diseases
4	L: (203BP1 13524 003Y)	203BP1003Y	Physicians; Physician/Osteop ath; Pulmonary Medicine
4	L: (203BP1 13335 200N)	203BP1200N	Physicians; Physician/Osteop ath; Pharmacotherapy
4	L: (203BP1 13520 300N)	203BP1300N	Physicians; Physician/Osteop ath; Psychopharmacy
4	L: (203BP2 13334 600N)	203BP2600N	Physicians; Physician/Osteop ath; Pharmacology, Clinical
4	L: (203BP2 13308 900N)	203BP2900N	Physicians; Physician/Osteop ath; Pain Medicine
4	L: (203BR0 13525 001Y)	203BR0001Y	Physicians; Physician/Osteop ath; Radiation Oncology
4	L: (203BR0 13526 002Y)	203BR0002Y	Physicians; Physician/Osteop ath; Radiation Therapy
4	L: (203BR0 13528 200Y)	203BR0200Y	Physicians; Physician/Osteop ath; Radiology
4	L: (203BR0 13529 201Y)	203BR0201Y	Physicians; Physician/Osteop ath; Radiology, Angiography & Interventional

4	L: (203BR0 13530 202Y)	203BR0202Y	Physicians; Physician/Osteop ath; Radiology, Diagnostic
4	L: (203BR0 13531 203N)	203BR0203N	Physicians; Physician/Osteop ath; Radiology, Therapeutic
4	L: (203BR0 13532 204N)	203BR0204N	Physicians; Physician/Osteop ath; Radiology, Vascular & Interventional
4	L: (203BR0 13527 205N)	203BR0205N	Physicians; Physician/Osteop ath; Radiological Physics
4	L: (203BR0 13533 300N)	203BR0300N	Physicians; Physician/Osteop ath; Radium Therapy
4	L: (203BR0 13534 402Y)	203BR0402Y	Physicians; Physician/Osteop ath; Rehabilitation Medicine
4	L: (203BR0 13535 500Y)	203BR0500Y	Physicians; Physician/Osteop ath; Rheumatology
4	L: (203BR0 13536 600N)	203BR0600N	Physicians; Physician/Osteop ath; Rhinology
4	L: (203BR0 13537 700Y)	203BR0700Y	Physicians; Physician/Osteop ath; Roentgenology
4	L: (203BR0 13538 701Y)	203BR0701Y	Physicians; Physician/Osteop ath; Roentgenology, Diagnostic

4	L: (203BS0 13539 000Y)	203BS0000Y	Physicians; Physician/Osteop ath; Sports Medicine
4	L: (203BS0 13540 001Y)	203BS0001Y	Physicians; Physician/Osteop ath; Sports Medicine: Emergency Medicine
4	L: (203BS0 13541 002Y)	203BS0002Y	Physicians; Physician/Osteop ath; Sports Medicine: Family Practice
4	L: (203BS0 13542 003Y)	203BS0003Y	Physicians; Physician/Osteop ath; Sports Medicine: Internal Medicine
4	L: (203BS0 13543 004Y)	203BS0004Y	Physicians; Physician/Osteop ath; Sports Medicine: Pediatrics
4	L: (203BS0 13548 100Y)	203BS0100Y	Physicians; Physician/Osteop ath; Surgery, General
4	L: (203BS0 13546 101Y)	203BS0101Y	Physicians; Physician/Osteop ath; Surgery, Colon & Rectal Surgery
4	L: (203BS0 13570 102Y)	203BS0102Y	Physicians; Physician/Osteop ath; Surgical Critical Care: Surgery
4	L: (203BS0 13544 104N)	203BS0104N	Physicians; Physician/Osteop ath; Surgery, Abdominal

4	L: (203BS0 13550 105Y)	203BS0105Y	Physicians; Physician/Osteop ath; Surgery, Hand
4	L: (203BS0 13551 106Y)	203BS0106Y	Physicians; Physician/Osteop ath; Surgery, Hand: Orthopedic Surgery
4	L: (203BS0 13552 107Y)	203BS0107Y	Physicians; Physician/Osteop ath; Surgery, Hand: Plastic Surgery
4	L: (203BS0 13553 108N)	203BS0108N	Physicians; Physician/Osteop ath; Surgery, Head & Neck
4	L: (203BS0 13554 110Y)	203BS0110Y	Physicians; Physician/Osteop ath; Surgery, Neurological
4	L: (203BS0 13555 111Y)	203BS0111Y	Physicians; Physician/Osteop ath; Surgery, Obstetric & Gynecologic
4	L: (203BS0 13556 113Y)	203BS0113Y	Physicians; Physician/Osteop ath; Surgery, Orthopedic
4	L: (203BS0 13557 114N)	203BS0114N	Physicians; Physician/Osteop ath; Surgery, Orthopedic, Adult Reconstructive
4	L: (203BS0 13558 115N)	203BS0115N	Physicians; Physician/Osteop ath; Surgery, Orthopedic, Musculoskeletal Oncology

4	L: (203BS0 13559 116N)	203BS0116N	Physicians; Physician/Osteop ath; Surgery, Orthopedic, Pediatric
4	L: (203BS0 13560 117N)	203BS0117N	Physicians; Physician/Osteop ath; Surgery, Orthopedic, Spine
4	L: (203BS0 13561 119N)	203BS0119N	Physicians; Physician/Osteop ath; Surgery, Orthopedic, Trauma
4	L: (203BS0 13563 120Y)	203BS0120Y	Physicians; Physician/Osteop ath; Surgery, Pediatric
4	L: (203BS0 13564 121Y)	203BS0121Y	Physicians; Physician/Osteop ath; Surgery, Plastic
4	L: (203BS0 13565 122Y)	203BS0122Y	Physicians; Physician/Osteop ath; Surgery, Plastic & Reconstructive
4	L: (203BS0 13547 123Y)	203BS0123Y	Physicians; Physician/Osteop ath; Surgery, Facial Plastic
4	L: (203BS0 13566 125Y)	203BS0125Y	Physicians; Physician/Osteop ath; Surgery, Thoracic
4	L: (203BS0 13567 126Y)	203BS0126Y	Physicians; Physician/Osteop ath; Surgery, Thoracic Cardiovascular

4	L: (203BS0 13568 127N)	203BS0127N	Physicians; Physician/Osteop ath; Surgery, Traumatic
4	L: (203BS0 13569 128Y)	203BS0128Y	Physicians; Physician/Osteop ath; Surgery, Urological
4	L: (203BS0 13549 129Y)	203BS0129Y	Physicians; Physician/Osteop ath; Surgery, General Vascular
4	L: (203BS0 13562 130Y)	203BS0130Y	Physicians; Physician/Osteop ath; Surgery, Otorhinolaryngol ogy & Facial Plastic Surgery
4	L: (203BS0 13545 133N)	203BS0133N	Physicians; Physician/Osteop ath; Surgery, Cardiovascular
4	L: (203BT0 13572 000Y)	203BT0000Y	Physicians; Physician/Osteop ath; Toxicology, Medical
4	L: (203BT0 13574 001Y)	203BT0001Y	Physicians; Physician/Osteop ath; Toxicology, Medical: Preventive Medicine
4	L: (203BT0 13573 002Y)	203BT0002Y	Physicians; Physician/Osteop ath; Toxicology, Medical: Emergency Medicine
4	L: (203BT0 13571 100N)	203BT0100N	Physicians; Physician/Osteop ath; Thermography

4	L: (203BU0 13575 001Y)	203BU0001Y	Physicians; Physician/Osteop ath; Ultrasound, Diagnostic
4	L: (203BU0 13577 100Y)	203BU0100Y	Physicians; Physician/Osteop ath; Urology
4	L: (203BU0 13576 300Y)	203BU0300Y	Physicians; Physician/Osteop ath; Underseas Medicine: Preventive Medicine
4	L: (203BX0 13512 000N)	203BX0000 N	Physicians; Physician/Osteop ath; Obstetrics
4	L: (203BX0 13513 001Y)	203BX0001Y	Physicians; Physician/Osteop ath; Obstetrics & Gynecology
4	L: (203BX0 13514 100Y)	203BX0100Y	Physicians; Physician/Osteop ath; Occupational Medicine
4	L: (203BX0 13294 104Y)	203BX0104Y	Physicians; Physician/Osteop ath; Occupational Medicine: Preventive Medicine
4	L: (203BX0 13295 105Y)	203BX0105Y	Physicians; Physician/Osteop ath; Occupational-En vironmental Medicine: Preventive Medicine
4	L: (203BX0 13296 200Y)	203BX0200Y	Physicians; Physician/Osteop ath; Oncology

4	L: (203BX0 13297 201Y)	203BX0201Y	Physicians; Physician/Osteop ath; Oncology, Gynecologic
4	L: (203BX0 13298 202Y)	203BX0202Y	Physicians; Physician/Osteop ath; Oncology, Medical
4	L: (203BX0 13299 300Y)	203BX0300Y	Physicians; Physician/Osteop ath; Ophthalmology
4	L: (203BX0 13302 500Y)	203BX0500Y	Physicians; Physician/Osteop ath; Otolaryngology
4	L: (203BX0 13305 600Y)	203BX0600Y	Physicians; Physician/Osteop ath; Otorhinolaryngol ogy
4	L: (203BX0 13306 601N)	203BX0601 N	Physicians; Physician/Osteop ath; Otorhinolaryngol ogy & Head-Neck
4	L: (203BX0 13300 800N)	203BX0800 N	Physicians; Physician/Osteop ath; Orthopedic
4	L: (203BX0 13303 900N)	203BX0900 N	Physicians; Physician/Osteop ath; Otology
4	L: (203BX0 13304 901N)	203BX0901 N	Physicians; Physician/Osteop ath; Otology & Neurotology
4	L: (203BX2 13301 100Y)	203BX2100Y	Physicians; Physician/Osteop ath; Osteopathic Manipulative Medicine, Special Proficiency

2	A: Podiatric Medicine AndOrSu r V13582 geryServ i ceProvid erHIPAA			Broad category grouping licensed providers who renders services related to the human foot.
3	S: Podiatris tHIPAA V13584 (213E000 00N)	213E00000N	Podiatric Medicine & Surgery Service; Podiatrist	A podiatrist is a person qualified by a Doctor of Podiatric Medicine (D.P.M.) degree, licensed by the state, and practicing within the scope of that license. Podiatrists diagnose and treat foot diseases and deformities. They perform medical, surgical and other operative procedures, prescribe corrective devices and prescribe and administer drugs and physical therapy.
4	L: (213EG0 13585 000N)	213EG0000N	Podiatric Medicine & Surgery Service; Podiatrist; General Practice	
4	L: (213EP0513586 04N)	213EP0504N	Podiatric Medicine & Surgery Service; Podiatrist; Preventive Medicine: Public Health	
4	L: (213EP1113587 01N)	213EP1101N	Podiatric Medicine & Surgery Service; Podiatrist; Primary Podiatric Medicine	
4	L: (213ER0 13588 200N)	213ER0200N	Podiatric Medicine & Surgery Service; Podiatrist; Radiology	

4 L: (213ES0013589 00N) 213ES0000N Podiatric Medicine & Surgery Service; Podiatrist; Sports Medicine

4 L: (213ES0113591 03N) 213ES0103N Podiatric Medicine & Surgery Service; Podiatrist; Surgery, Foot & Ankle

4 L: (213ES0113590 31N) 213ES0131N Podiatric Medicine & Surgery Service; Podiatrist; Surgery, Foot

3 L: (211D00 13583 000N) 211D00000N Podiatric Medicine & Surgery Service; Assistant, Podiatric
 An individual who assists a podiatrist in tasks, such as exposing and developing x-rays; taking and recording patient histories; assisting in biomechanical evaluations and negative castings; preparing and sterilizing instruments and equipment; providing the patient with postoperative instructions; applying surgical dressings; preparing the patient for treatment, padding, and strapping; and performing routine office procedures.

2 **A: Respiratory AndOr Rehabilitation AndOr Restorative Provide rHIPAA** V13592
 A provider who is trained and educated to perform services related to respiratory care, physical therapy, occupational therapy, rehabilitation and restorative services and may be licensed, certified or practice within the scope of training.

3	S: Occupational Therapist NA (225X0000N)	V13598	225X00000N	Respiratory, Rehabilitative & Restorative; Occupational Therapist	An occupational therapist is a person qualified by completion of an approved program in occupational therapy, licensed by the state and practicing within the scope of that license, or where licensure does not exist, certified by the American Occupational Therapy Certification Board. An occupational therapist evaluates the self-care, work and leisure performance skills of well and disabled clients and plans and implements programs to restore, develop or maintain the task performance skills necessary for daily living and for the client's particular occupational role.
4	L: (225XC0400N)	13599	225XC0400N	Respiratory, Rehabilitative & Restorative; Occupational Therapist; Case Management	
4	L: (225XE1200N)	13600	225XE1200N	Respiratory, Rehabilitative & Restorative; Occupational Therapist; Ergonomics	
4	L: (225XH1200N)	13601	225XH1200N	Respiratory, Rehabilitative & Restorative; Occupational Therapist; Hand	
4	L: (225XH1300N)	13602	225XH1300N	Respiratory, Rehabilitative & Restorative; Occupational Therapist; Human Factors	

4	L: (225XN1 13603 300N)	225XN1300 N	Respiratory, Rehabilitative & Restorative; Occupational Therapist; Neurorehabilitati on
4	L: (225XP0 13604 200N)	225XP0200N	Respiratory, Rehabilitative & Restorative; Occupational Therapist; Pediatrics
4	L: (225XR0 13605 403N)	225XR0403 N	Respiratory, Rehabilitative & Restorative; Occupational Therapist; Rehabilitation, Driver

3 **S:**
Physical
T
herapist V13609
HIPAA
 (2251000
 00N)

225100000N

Respiratory,
 Rehabilitative &
 Restorative;
 Physical
 Therapist

(1) Physical therapists are health care professionals who evaluate and treat people with health problems resulting from injury or disease. PT's assess joint motion, muscle strength and endurance, function of heart and lungs, and performance of activities required in daily living, among other responsibilities. Treatment includes therapeutic exercises, cardiovascular endurance training, and training in activities of daily living. (2) A physical therapist is a person qualified by an accredited program in physical therapy, licensed by the state, and practicing within the scope of that license. Physical therapists treat disease, injury, or loss of a bodily part by physical means, such as the application of light, heat, cold, water, electricity, massage and exercise. They develop treatment plans based upon each patient's strengths, weaknesses, range of motion and ability to function. (3) A health professional who specializes in physical therapy- the health care field concerned primarily with the treatment of disorders with physical agents and methods, such as massage, manipulation, therapeutic exercises, cold, heat (including short-wave, microwave, and ultrasonic diathermy), hydrotherapy, electric stimulation and light to assist in rehabilitating patients and in restoring normal function after an illness or injury.

4	L: (2251C0 13611 400N)	2251C0400N	Respiratory, Rehabilitative & Restorative; Physical Therapist; Case Management
4	L: (2251C2 13610 600N)	2251C2600N	Respiratory, Rehabilitative & Restorative; Physical Therapist; Cardiopulmonary
4	L: (2251E12 13613 00N)	2251E1200N	Respiratory, Rehabilitative & Restorative; Physical Therapist; Ergonomics
4	L: (2251E13 13612 00N)	2251E1300N	Respiratory, Rehabilitative & Restorative; Physical Therapist; Electrophysiology, Clinical
4	L: (2251G0 13614 304N)	2251G0304N	Respiratory, Rehabilitative & Restorative; Physical Therapist; Geriatrics
4	L: (2251H1 13615 200N)	2251H1200N	Respiratory, Rehabilitative & Restorative; Physical Therapist; Hand
4	L: (2251H1 13616 300N)	2251H1300N	Respiratory, Rehabilitative & Restorative; Physical Therapist; Human Factors

4	L: (2251N0 13617 400N)	2251N0400N	Respiratory, Rehabilitative & Restorative; Physical Therapist; Neurology
4	L: (2251P02 13619 00N)	2251P0200N	Respiratory, Rehabilitative & Restorative; Physical Therapist; Pediatrics
4	L: (2251S00 13620 07N)	2251S0007N	Respiratory, Rehabilitative & Restorative; Physical Therapist; Sports
4	L: (2251X0 13618 800N)	2251X0800N	Respiratory, Rehabilitative & Restorative; Physical Therapist; Orthopedic

3	S: Rehabilita tionCoun s elorHIP AA (225C00 000N)	V13625	225C00000N	Respiratory, Rehabilitative & Restorative; Rehabilitation Counselor	An individual trained and educated in a systematic process of assisting persons with physical, mental, developmental, cognitive, and emotional disabilities to achieve their personal, career, and independent living goals assessment and appraisal, diagnosis and treatment planning, career (vocational) counseling, individual and group counseling interventions for adjustments to the medical and psychosocial impact of disability, case management, program evaluation and research, job analysis and placement counseling, and consultation on rehabilitation resources and technology. Certification generally requires a Master's degree with specialized courses in rehabilitation processes and technology.
4	L: (225CA2 400N)	13626	225CA2400 N	Respiratory, Rehabilitative & Restorative; Rehabilitation Counselor; Assistive Technology Practitioner	

3	A: Respirat o ryAndOr R ehabilitat i veAndOr Restorati v eSpeciali s tOrTech n ologistHI PAA V13631	General classification identifying individuals who are trained on a specific piece of equipment or technical procedure.	
4	L: (2255A2 13632 2255A2300N 300N)	Respiratory, Rehabilitative & Restorative; Specialist/Techno logist; Athletic Trainer	
4	L: (2255R0413633 2255R0406N 06N)	Respiratory, Rehabilitative & Restorative; Specialist/Techno logist; Rehabilitation, Blind	
3	S: Respirat o ryTherap i stHIPAA (2259000 00N) V13629	Respiratory, Rehabilitative & Restorative; Respiratory Therapist	A respiratory therapist is a person who has graduated from a respiratory therapy program accredited by the Committee on Allied Health Education and Accreditation, and where applicable, is licensed by the state and is practicing within the scope of that license. A respiratory therapist administers oxygen and other gases and provides assistance with equipment to patients with either acute or chronic breathing difficulties, often within the home.

4	L: (2259P1713630 00N)	2259P1700N	Respiratory, Rehabilitative & Restorative; Respiratory Therapist; Perinatal	(1) An individual who uses art to achieve the therapeutic goals of symptom relief, emotional integration, and recovery from or adjustment to illness or disability. (2) An art therapist uses a form of treatment that enables patients with mental or physical disabilities to use art as a way of expressing and dealing with feelings and inner conflicts. (3) An individual who uses arts modalities and creative processes during intentional intervention in therapeutic, rehabilitative, community, or educational settings to foster health, communication, and expression; promote the integration of physical, emotional, cognitive, and social functioning; enhance self-awareness; and facilitate change.
3	L: (221700013593 00N)	221700000N	Respiratory, Rehabilitative & Restorative; Art Therapist	An individual skilled in the practice, making, use and application to individual cases of an orthopedic appliance or apparatus used to support, align, prevent or correct deformities or to improve the function of movable parts of the body.
3	L: (222Z00013608 00N)	222Z00000N	Respiratory, Rehabilitative & Restorative; Orthotist	An individual skilled in the practice, making, use, and application to individual cases of an artificial substitute for a missing body part, such as an arm or leg, eye or tooth, used for functional or cosmetic reasons, or both.

3	L: (224Z00013606 00N)	224Z00000N	Respiratory, Rehabilitative & Restorative; Occupational Therapy Assistant	An Occupational Therapy assistant: provides medically prescribed occupational therapy services under the supervision of a registered occupational therapist to promote rehabilitation of patients in the hospital, home, schools and other settings; has completed a 2-year associate degree or one of the limited number of certificate programs; has met the qualifications as determined by the representative assembly and thus is entitled to use the term Certified occupational therapy assistant.
---	-----------------------------	------------	------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

3	L: (225000013607 00N)	225000000N	Respiratory, Rehabilitative & Restorative; Orthotics/Prosthealign tics Fitter	An individual skilled in the practice, making, use and application to individual cases of an orthopedic appliance or apparatus used to support, align, prevent or correct deformities or to improve the function of movable parts of the body.
---	-----------------------------	------------	-------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

3 L:
 (2252000 13621 225200000N
 00N)
 Respiratory,
 Rehabilitative &
 Restorative;
 Physical
 Therapy
 Assistant

(1)Physical therapist assistants are skilled health care providers who are graduates of a physical therapist assistant associate degree program accredited by an agency recognized by the Secretary of the U.S. Department of Education or Council on Postsecondary Accreditation, who assists the physical therapist in providing physical therapy. The supervising physical therapist is directly responsible for the actions of the physical therapist assistant. The PTA performs physical therapy procedures and related tasks that have been selected and delegated by the supervising physical therapist. Duties of the PTA include assisting the physical therapist in implementing treatment programs, training patients in exercised and activities of daily living, conducting treatments, and reporting to the physical therapist on the patient's responses. In addition to direct patient care, the PTA may also perform such functions as patient transport, and clinic or equipment preparation and maintenance. Currently more than half of all states require PTAs to be licensed, registered or certified. (2) An individual who works under the supervision of a physical therapist to assist him or her in providing physical therapy services. A physical therapy assistant may, for instance, help patients follow an appropriate exercise program that will increase their strength, endurance, coordination, and range of motion and train patients to perform activities of daily life.

3	L: (2254000 13628 00N)	225400000N	Respiratory, Rehabilitative & Restorative; Rehabilitation Practitioner	A health care practitioner who trains or retrains individuals disabled by disease or injury to help them attain their maximum functional capacity.
3	L: (2256000 13594 00N)	225600000N	Respiratory, Rehabilitative & Restorative; Dance Therapist	The dance therapist, sometimes called a movement therapist, focuses on rhythmic body movements as a medium of physical and psychological change. Dance therapy is practiced more often with mental health patients than with physically disabled patients. A master's degree is required by the American Dance Therapy Association to award the credentials Dance Therapist Registered (DTR).
3	L: (2257000 13596 00N)	225700000N	Respiratory, Rehabilitative & Restorative; Massage Therapist	An individual trained in the manipulation of tissues (as by rubbing, stroking, kneading, or tapping) with the hand or an instrument for remedial or hygienic purposes.
3	L: (2258000 13624 00N)	225800000N	Respiratory, Rehabilitative & Restorative; Recreation Therapist	A recreation therapist uses recreational activities for intervention in some physical, social or emotional behavior to bring about a desired change in that behavior and promote the growth and development of the patient.
3	L: (225A00 13597 000N)	225A00000N	Respiratory, Rehabilitative & Restorative; Music Therapist	The music therapist works with patients with a broad variety of diagnoses and therapeutic goals. The interventions may involve musical performance with instruments, voice or body movements; listening to music; or attending musical events.

3	L: (225B00013623 00N)	225B00000N	Respiratory, Rehabilitative & Restorative; Pulmonary Function Technologist	An individual who is trained and qualified in the techniques and procedures for assessment and treatment of diseases of the lungs and airways such as pneumonia, cancer, pleurisy, asthma, bronchitis, emphysema, and other disorders. Therapy involves assessment of lung functions, assisting the patient in therapeutic exercise and monitoring mechanical assistance to ventilation.
---	-----------------------------	------------	-------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

3	L: (2263000 13595 00N)	226300000N	Respiratory, Rehabilitative & Restorative; Kinesiotherapist	<p>A provider trained and educated in the applied science of medically prescribed therapeutic exercise, education and adapted physical activities designed to improve the quality of life and health of adults and children by developing physical fitness, increasing mobility and independence, and improving psychosocial behavior. The kinesiotherapist seeks a coach-player relationship in which he/she helps the patient/client reach the goal of becoming an independent, self-sustaining person.</p> <p>Kinesiotherapists, as compared with physical therapists, put more emphasis on geriatric care, reconditioning and fitness, and psychiatric care. A large percentage of kinesiotherapists practice in Veterans Administration hospitals.</p>
---	------------------------------	------------	----------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

2 **A:**
SpeechA
n
dOrLang
u
ageAndO
r V13634
HearingS
e
rvicePro
vi
derHIPA
A

A provider who renders services to improve communicative skills of people with language, speech and hearing impairments.

3 **S:**
Audiologi
stHIPAA V13635 231H00000N
(231H00
000N)

Speech,
Language and
Hearing Service;
Audiologist

(1) A specialist in evaluation, habilitation and rehabilitation of those whose communication disorders center in whole or in part in hearing function. Audiologists are autonomous professionals who identify, assess, and manage disorders of the auditory, balance and other neural systems. Audiologists provide audiological (aural) rehabilitation to children and adults across the entire age span. Audiologists select, fit and dispense amplification systems such as hearing aids and related devices. (2) An audiologist is a person qualified by a master's degree in audiology, licensed by the state, where applicable, and practicing within the scope of that license. Audiologists evaluate and treat patients with impaired hearing. They plan, direct and conduct rehabilitative programs with audiotry substitutional devises (hearing aids) and other therapy.

4 **A:**
AudiologiV13637
st

5	A: Cardiolo g yTechnic V13700 i anHIPA A	An individual who has knowledge of specific techniques, instruments, and equipment required in performing specific cardiovascular/peripheral vascular diagnostic procedures.	
6	L: (246WC313701 000N)	246WC3000 N	Technologists, Technicians & Other; Technician, Cardiology; Cardiographic
6	L: (246WE0 13702 400N)	246WE0400 N	Technologists, Technicians & Other; Technician, Cardiology; ECG
4	L: (231HA2 13636 400N)	231HA2400 N	Speech, Language and Hearing Service; Audiologist; Assistive Technology Practitioner
4	L: (231HA2 13637 500N)	231HA2500 N	Speech, Language and Hearing Service; Audiologist; Assistive Technology Supplier

**A:
Speech
n
dOrLang
u
ageAndO
r
Hearing
e
rviceSpe
ci
alistOrT
ec
hnologist
HIPAA**

3

SV13640

General classification identifying individuals who are trained on a specific piece of equipment or technical procedure.

4

L:
(2355A2 13641
700N)

2355A2700N

Speech,
Language and
Hearing Service;
Specialist/Techno
logist; Audiology
Assistant

4

L:
(2355S08 13642
01N)

2355S0801N

Speech,
Language and
Hearing Service;
Specialist/Techno
logist;
Speech-Languag
e Assistant

3	L: (235Z00013643 00N)	235Z00000N	Speech, Language and Hearing Service; Speech-Languag e Pathologist	A speech pathologist is a person qualified by a master's degree in speech-language pathology, and where applicable, licensed by the state and practicing within the scope of the license. Also, known as speech therapist, a speech pathologist evaluates patients with language and speech impairments or disorders, whether arising from physiological and neurological disturbances, defective articulation or foreign dialects, and conducts remedial programs designed to restore or improve their communication efficacy. Speech pathologists assess and treat persons with speech, language, voice, and fluency disorders.
---	-----------------------------	------------	--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

3	L: (237600013638 00N)	237600000N	Speech, Language and Hearing Service; Audiologist-Hear ing Aid Fitter	An audiologist/hearing aid fitter is the professional who specializes in evaluating and treating people with hearing loss, conducts a wide variety of tests to determine the exact nature of an individual's hearing problem, presents a variety of treatment options to patients, dispenses and fits hearing aids, administers tests of balance to evaluate dizziness and provides hearing rehabilitation training. This classification should be used where individuals are licensed as "audiologist-hearing aid fitters" as opposed to states that license individuals as "audiologists".
---	-----------------------------	------------	-----------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

3	L: (2377000 13639 00N)	237700000N	Speech, Language and Hearing Service; Hearing Instrument Specialist	Individuals who test hearing for the selection, adaptation, fitting, adjusting, servicing, and sale of hearing aids. Hearing Instrument Specialist is a designation provided individuals who qualify by the National Hearing Aid Society.
1	A: Organiza ti onalHeal t V13715 hcarePro v iderHIP AA			
2	A: Abstract H ealthcare P V13716 roviderA g encyHIP AA			A non-facility provider that renders outpatient outreach services that are not provided at a specific location. The licensure or registration is assigned to the agency rather than to the individual practitioners as would be the case in a group practice.
3	A: Healthca r eProvide V13717 r AgencyH IPAA			A non-facility provider that renders outpatient outreach services that are not provided at a specific location. The licensure or registration is assigned to the agency rather than to the individual practitioners as would be the case in a group practice.
4	L: (2514C0 13718 400N)	2514C0400N	Agencies; Agency; Case Management	
4	L: (2514H0 13719 200N)	2514H0200N	Agencies; Agency; Home Health	
4	L: (2514H0 13720 201N)	2514H0201N	Agencies; Agency; Home Infusion	

4 L: (2514H0 13721 2514H0300N
300N) Agencies; Agency; Hospice Care, Community Based

4 L: (2514N1 13722 2514N1101N
101N) Agencies; Agency; Nursing Care

4 L: (2514P09 13723 2514P0906N
06N) Agencies; Agency; Public Health or Welfare

4 L: (2514V0 13724 2514V0001N
001N) Agencies; Agency; Voluntary or Charitable

2 **A:**
Ambulat
or
yHealth V13725
C
areFacilit
yHIPAA

3 **A:**
Ambulat
or
yClinicO V13726
r
CenterH
IPAA

4 **A:**
CardClin
P V10590-1
racticeSe
tting

A facility or distinct part of one used for the diagnosis and treatment of outpatients. "Clinic/center" is irregularly defined, either including or excluding physician's offices and allied health professionals, sometimes being limited to organizations serving specialized treatment requirements or distinct patient/client groups (e.g., radiology, poor, public health).

4	A: RadDiag T V10908-1 herPracti ceSetting			A practice setting where radiology services (diagnostic or therapeutic) are provided (X12N 261QR0200N)
4	L: (261QA0 13727 600N)	261QA0600 N	Ambulatory Health Care Facilities; Clinic/Center; Adult Day Care	
4	L: (261QA1 13728 903N)	261QA1903 N	Ambulatory Health Care Facilities; Clinic/Center; Ambulatory Surgical	
4	L: (261QB0 13729 400N)	261QB0400 N	Ambulatory Health Care Facilities; Clinic/Center; Birthing	
4	L: (261QC1 13730 500N)	261QC1500 N	Ambulatory Health Care Facilities; Clinic/Center; Community Health	
4	L: (261QC1 13731 800N)	261QC1800 N	Ambulatory Health Care Facilities; Clinic/Center; Corporate Health	
4	L: (261QD0 13732 000N)	261QD0000 N	Ambulatory Health Care Facilities; Clinic/Center; Dental	
4	L: (261QE0 13733 002N)	261QE0002 N	Ambulatory Health Care Facilities; Clinic/Center; Emergency Care	

4	L: (261QE0 13734 700N)	261QE0700 N	Ambulatory Health Care Facilities; Clinic/Center; End-Stage Renal Disease (ESRD) Treatment
4	L: (261QF0 13737 400N)	261QF0400 N	Ambulatory Health Care Facilities; Clinic/Center; Federally Qualified Health Center (FQHC)
4	L: (261QH0 13738 100N)	261QH0100 N	Ambulatory Health Care Facilities; Clinic/Center; Health
4	L: (261QI05 13739 00N)	261QI0500N	Ambulatory Health Care Facilities; Clinic/Center; Infusion Therapy
4	L: (261QL0 13740 400N)	261QL0400 N	Ambulatory Health Care Facilities; Clinic/Center; Lithotripsy
4	L: (261QM013742 801N)	261QM0801 N	Ambulatory Health Care Facilities; Clinic/Center; Mental Health (Including Community Mental Health Center)
4	L: (261QM113743 000N)	261QM1000 N	Ambulatory Health Care Facilities; Clinic/Center; Migrant Health

4	L: (261QM113744 100N)	261QM1100 N	Ambulatory Health Care Facilities; Clinic/Center; Military
4	L: (261QM113745 101N)	261QM1101 N	Ambulatory Health Care Facilities; Clinic/Center; Military Expanded Services
4	L: (261QM113746 102N)	261QM1102 N	Ambulatory Health Care Facilities; Clinic/Center; Military Operational Component
4	L: (261QM113741 200N)	261QM1200 N	Ambulatory Health Care Facilities; Clinic/Center; Magnetic Resonance Imaging (MRI)
4	L: (261QM113747 300N)	261QM1300 N	Ambulatory Health Care Facilities; Clinic/Center; Multi-Specialty
4	L: (261QP0 13759 904N)	261QP0904 N	Ambulatory Health Care Facilities; Clinic/Center; Public Health, Federal
4	L: (261QP0 13760 905N)	261QP0905 N	Ambulatory Health Care Facilities; Clinic/Center; Public Health, State or Local

4	L: (261QP2 13753 000N)	261QP2000 N	Ambulatory Health Care Facilities; Clinic/Center; Physical Therapy
4	L: (261QP2 13758 400N)	261QP2400 N	Ambulatory Health Care Facilities; Clinic/Center; Prison Health
4	L: (261QR0 13763 206N)	261QR0206 N	Ambulatory Health Care Facilities; Clinic/Center; Radiology: Mammography
4	L: (261QR0 13765 207N)	261QR0207 N	Ambulatory Health Care Facilities; Clinic/Center; Radiology: Mobile Mammography
4	L: (261QR0 13764 208N)	261QR0208 N	Ambulatory Health Care Facilities; Clinic/Center; Radiology: Mobile
4	L: (261QR0 13767 400N)	261QR0400 N	Ambulatory Health Care Facilities; Clinic/Center; Rehabilitation
4	L: (261QR0 13768 401N)	261QR0401 N	Ambulatory Health Care Facilities; Clinic/Center; Rehabilitation, Comprehensive Outpatient Rehabilitation Facility (CORF)

4	L: (261QR0 13769 405N)	261QR0405 N	Ambulatory Health Care Facilities; Clinic/Center; Rehabilitation, Substance Use Disorder
4	L: (261QR0 13766 800N)	261QR0800 N	Ambulatory Health Care Facilities; Clinic/Center; Recovery Care
4	L: (261QR1 13772 100N)	261QR1100 N	Ambulatory Health Care Facilities; Clinic/Center; Research
4	L: (261QR1 13773 300N)	261QR1300 N	Ambulatory Health Care Facilities; Clinic/Center; Rural Health
4	L: (261QS0 13776 132N)	261QS0132 N	Ambulatory Health Care Facilities; Clinic/Center; Surgery, Ophthalmologic
4	L: (261QS1 13775 000N)	261QS1000 N	Ambulatory Health Care Facilities; Clinic/Center; Student Health
4	L: (261QS1 13774 200N)	261QS1200 N	Ambulatory Health Care Facilities; Clinic/Center; Sleep Disorder Diagnostic
4	L: (261QU0 13779 200N)	261QU0200 N	Ambulatory Health Care Facilities; Clinic/Center; Urgent Care

4	L: (261QV0 13780 200N)	261QV0200 N	Ambulatory Health Care Facilities; Clinic/Center; VA	
4	L: (261QX0 13748 100N)	261QX0100 N	Ambulatory Health Care Facilities; Clinic/Center; Occupational Medicine	
4	L: (ENDOS)10907	ENDOS	Ambulatory Health Care Facilities; Clinic/Center; Endoscopy	(X12N 261QD0000N)
4	L: (OMS) 10946	OMS	Ambulatory Health Care Facilities; Clinic/Center; Surgery, Oral/Maxillofacia l	
4	L: (PAINCL10951)	PAINCL	Ambulatory Health Care Facilities; Clinic/Center; Pain	(X12N 261QP3300N)
4	L: (PC) 10952	PC	Ambulatory Health Care Facilities; Clinic/Center; Primary Care	(X12N 261QP2300N)
4	L: (POD) 10962	POD	Ambulatory Health Care Facilities; Clinic/Center; Podiatric	(X12N 261QP1100N)
4	L: (RADO) 10909	RADO	Ambulatory Health Care Facilities; Clinic/Center; Oncology, Radiation	(X12N 261QX0203N)

2 **A:**
Hospital
Pr V10602
acticeSet
ting

An acute care institution that provides medical, surgical, or psychiatric care and treatment for the sick or the injured.

(1) A hospital including a physical plant and personnel that provides multidisciplinary diagnosis and treatment for diseases that have one or more of the following characteristics: is permanent; leaves residual disability; is caused by nonreversible pathological alteration; requires special training of the patient for rehabilitation; and/or may be expected to require a long period of supervision or care. In addition, patients require the safety, security, and shelter of these specialized inpatient or partial hospitalization settings.

(2) A hospital that provides medical and skilled nursing services to patients with long-term illnesses who are not in an acute phase but who require an intensity of services not available in nursing homes

3 **S:**
ChronicC
a
reFacilityV13792-1 281P00000N **Chronic Care**
Facility

(281P000
00N)

3 **S:**
General
A
cuteCareV10603-1 282N00000N **General acute**
Hospital **care hospital** (X12N 282N00000N)
(282N00
000N)

3 **S:**
Military V13799 MHSP **Military Hospital**
Hospital (MHSP) A health care facility operated by the Department of Defense or other military operation.

3	S: Rehabilita tionHospital (283X00000N)	V10604-1	283X00000N	Hospitals; Rehabilitation Hospital	(X12N 283X00000N)
3	L: (PSYCH F)	20024	PSYCHF	Psychiatric Care Facility	Healthcare facility that cares for patients with psychiatric illness(s).
2	A: Hospital Unit Practice Setting	V10596			
3	S: ERPractice Setting (ER)	V10598	ER	Emergency room	The section of a health care facility for providing rapid treatment to victims of sudden illness or trauma.
4	L: (ETU)	10914	ETU	Emergency trauma unit	
3	S: ICUPracti ceSetting (ICU)	V10599	ICU	Intensive care unit	
4	S: PedsICU PracticeSe tting (PEDICU)	V10916	PEDICU	Pediatric intensive care unit	
5	L: (PEDNIC U)	10917	PEDNICU	Pediatric neonatal intensive care unit	
3	S: PedsPrac ti ceSetting (PEDU)	V10920	PEDU	Pediatric unit	

	S:				
	PedsICU				
4	P racticeSe V10916 ting (PEDICU)	PEDICU		Pediatric intensive care unit	
5	L: (PEDNIC10917 U)	PEDNICU		Pediatric neonatal intensive care unit	
3	L: (BMTU) 10911	BMTU		Bone marrow transplant unit	
3	L: (CCU) 10597	CCU		Coronary care unit	
3	L: (CHEST) 10912	CHEST		Chest unit	A specialty unit in hospital that focuses on chronic respirator patients and pulmonary failure
3	L: (EPIL) 10913	EPIL		Epilepsy unit	
3	L: (HD) 10915	HD		Hemodialysis unit	
3	L: (NCCS) 10918	NCCS		Neurology critical care and stroke unit	
3	L: (NS) 10919	NS		Neurosurgery unit	
3	L: (PHU) 10600	PHU		Hospital Units; Psychiatric Unit	(X12N 273R00000N)
3	L: (RHU) 10601	RHU		Hospital Units; Rehabilitation Unit	
3	L: (SLEEP) 10921	SLEEP		Sleep disorders unit	(X12N 261QA1200N)
2	A: Laborato V13808 ryHIPAA				A room or building equipped for scientific experimentation, research, testing, or clinical studies of materials, fluids, or tissues obtained from patients.

3	L: (291U00 13809 000N)	291U00000N Clinical Medical Laboratory	Laboratories; Clinical Medical Laboratory	<p>(1) A clinical laboratory is a facility for the biological, microbiological, serological, chemical, immunohematological, hematological, biophysical, cytological, pathological, or other examination of materials derived from the human body for the purpose of providing information for the diagnosis, prevention, or treatment of any disease or impairment of, human beings. These examinations also include procedures to determine, measure, or otherwise describe the presence or absence of various substances or organisms in the body. Facilities only collecting or preparing specimens (or both) or only serving as a mailing service and not performing testing are not considered clinical laboratories. (2) Any facility that examines materials from the human body for purposes of providing information for the diagnosis, prevention, or treatment of any disease or impairment of, or the assessment of, the health of human beings. Typical divisions of a clinical laboratory include hematology, cytology, bacteriology, histology, biochemistry, medical toxicology, and serology.</p> <p>A commercial laboratory specializing in the construction of dental appliances that conform to a dentist's specifications including the construction of dentures (complete or partial), orthodontic appliances, bridgework, crowns, and inlays.</p>
3	L: (2922000 13810 00N)	292200000N	Laboratories; Dental Laboratory	<p>A commercial laboratory specializing in the construction of dental appliances that conform to a dentist's specifications including the construction of dentures (complete or partial), orthodontic appliances, bridgework, crowns, and inlays.</p>

3	L: (293D00 13811 000N)	293D00000N	Laboratories; Physiological Laboratory
---	------------------------------	------------	----------------------------------------------

A laboratory that operates independently of a hospital and physician's office to furnish physiological diagnostic services (e.g. EEG's , EKG's, scans, etc.). Facilities offering ONLY physiological services are not certified as independent laboratories. If an independent laboratory offers physiological services IN ADDITION to clinical laboratory services, they are surveyed only for compliance with the clinical laboratory regulations because there are no health and safety regulations for physiological services.

2	A: Managed CareOrg V13812 anizationH IPAA
---	------------------------------------------------------------------------------------------

3	L: (302F00013813 00N)	302F00000N	Managed Care Organizations; Exclusive Provider Organization	<p>(1) An EPO is a form of PPO, in which patients must visit a caregiver that is specified on its panel of providers (is a participating provider). If a visit to an outside(not participating) provider is made the EPO offers very limited or no coverage for the medical service; (2) While similar to a PPO in that an EPO allows patients to go outside the network for care, if they do so in an EPO, they are required to pay the entire cost of care. An EPO differs from an HMO in that EPO physicians do not receive capitation but instead are reimbursed only for actual services provided; (3) An organization identical to a preferred provider organization except that persons enrolled in the plan are eligible to receive benefits only when they use the services of the contracting providers. No benefits are available when non-contracting providers are used, except in certain emergency situations.</p>
---	-----------------------------	------------	-------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

3	L: (302R00013814 00N)	302R00000N	Managed Care Organizations; Health Maintenance Organization	<p>(1) A form of health insurance in which its members prepay a premium for the HMO's health services which generally include inpatient and ambulatory care. For the patient, an HMO means reduced out-of-pocket costs (i.e. no deductible), no paperwork (i.e. insurance forms), and only a small copayment for each office visit to cover the paperwork handled by the HMO; (2) A organization of health care personnel and facilities that provides a comprehensive range of health services to an enrolled population for a fixed sum of money paid in advance for a specified period of time. These health services include a wide variety of medical treatments and consults, inpatient and outpatient hospitalization, home health service, ambulance service, and sometimes dental and pharmacy services. The HMO may be organized as a group model, an individual practice association (IPA), a network model or a staff model.</p>
3	L: (305R00013816 00N)	305R00000N	Managed Care Organizations; Preferred Provider Organization	<p>A group of physicians and/or hospitals who contract with an employer to provide services to their employees. In a PPO, the patient may go to the physician of his/her choice, even if that physician does not participate in the PPO, but the patient receives care at a lower benefit level.</p>

3	L: (305S00013815 00N)	305S00000N	Managed Care Organizations; Point of Service	This product may also be called an open-ended HMO and offers a transition product incorporating features of both HMOs and PPOs. Beneficiaries are enrolled in an HMO but have the option to go outside the networks for an additional cost.
2	A: Nursing Or Custodial Care Practice Setting	V10605		
3	L: (SNF) 10606	SNF	Nursing & Custodial Care Facilities; Skilled Nursing Facility	(X12N 314000000N)
2	A: Resident Treatment Practice Setting	V10607		
3	L: (PRC) 10974	PRC	Pain rehabilitation center	
3	L: (SURF) 10608	SURF	Residential Treatment Facilities; Substance Use Rehabilitation Facility	(X12N 324500000N)
2	A: Supplier HIPAA	V13833		A provider, other than a pharmacy, who supplies healthcare related products. The term supplier also includes pharmacies.

3	S: Durable M edicalEq ui mentAn d OrMedic V13835 a lSupplyS u pplierHI PAA (332B000 00N)	332B00000N	Suppliers; Durable Medical Equipment & Medical Supplies	A supplier of medical equipment such as respirators, wheelchairs, home dialysis systems, or monitoring systems, that are prescribed by a physician for a patient's use in the home and that are usable for an extended period of time.
4	L: (332BC3 13836 200N)	332BC3200 N	Suppliers; Durable Medical Equipment & Medical Supplies; Customized Equipment	
4	L: (332BD1 13837 200N)	332BD1200 N	Suppliers; Durable Medical Equipment & Medical Supplies; Dialysis Equipment & Supplies	
4	L: (332BN1 13838 400N)	332BN1400 N	Suppliers; Durable Medical Equipment & Medical Supplies; Nursing Facility Supplies	
4	L: (332BP3 13840 500N)	332BP3500N	Suppliers; Durable Medical Equipment & Medical Supplies; Parenteral & Enteral Nutrition	

4	L: (332BX2 13839 000N)	332BX2000 N	Suppliers; Durable Medical Equipment & Medical Supplies; Oxygen Equipment & Supplies	
3	L: (331L00013834 00N)	331L00000N	Suppliers; Blood Bank	An institution (organization or distinct part thereof) that performs, or is responsible for the performance of, the collection, processing, storage and/or issuance of human blood and blood components, intended for transfusion. The institution may also collect, process, and/or distribute human tissue, including bone marrow and peripheral blood progenitor cells, intended for transplantation.
3	L: (332G00 13841 000N)	332G00000N	Suppliers; Eye Bank	An eye bank procures and distributes eyes for transplant, education and research. To promote patient safety, donated eyes and donor medical histories are evaluated based on strict Eye Bank Association of America Medical Standards.
3	L: (332H00 13842 000N)	332H00000N	Suppliers; Eyewear Supplier (Equipment, not the service)	An organization that provides spectacles, contact lenses, and other vision enhancement devices prescribed by an optometrist or ophthalmologist.
3	L: (332S00013843 00N)	332S00000N	Suppliers; Hearing Aid Equipment	The manufacture and/or sale of electronic hearing aids, their component parts, and related products and services on a national basis.

3	L: (332U00 13844 00N)	332U00000N	Suppliers; Home Delivered Meals	Home-delivered meals are those services or activities designed to prepare and deliver one or more meals a day to an individual's residence in order to prevent institutionalization, malnutrition, and feelings of isolation. Component services or activities may include the cost of personnel, equipment, and food; assessment of nutritional and dietary needs; nutritional education and counseling; socialization services; and information and referral.
3	L: (3336000 13846 00N)	333600000N	Suppliers; Pharmacy	A facility used by pharmacists for the compounding and dispensing of medicinal preparations (drug store). A pharmacy is a facility whose primary function is to store, prepare and legally dispense prescription drugs through a licensed pharmacist. It meets any licensing or certification standards set forth by the jurisdiction where it is located.
3	L: (335E000 13848 00N)	335E00000N	Suppliers; Prosthetic/Ortho ic Supplier	An organization which supplies or vends orthopedic appliances or apparatuses and artificial body parts used to support, align, prevent, or correct deformities or to replace or improve function of body parts.
3	L: (335U00 13845 00N)	335U00000N	Suppliers; Organ Procurement Organization	A federally designated organization that works with hospital personnel in retrieval of organs for transplantation. The federal government designates an OPO's service area and the hospitals with which an OPO is to establish working relationships.

3 L:
 (335V00 13847
 000N)

Suppliers;
 Portable X-Ray
 Supplier

A supplier of diagnostic x-ray services furnished in a place or residence used as the patient's home or, in certain circumstances, in an institution, where the institution cannot bill for the services. Portable x-ray services include: (1) skeletal films involving arms and legs, pelvis, vertebral column, and skull; (2) chest films which do not involve the use of contrast media (except routine screening procedures and tests in connection with routine physical examinations); and (3) abdominal films which do not involve the use of contrast media. Procedures and examinations which are excluded from portable x-ray services include the following: (1) procedures involving fluoroscopy; (2) procedures involving the use of contrast media; (3) procedures requiring the administration of a substance to the patient or injection of a substance into the patient and/or special manipulation of the patient; (4) procedures which require special medical skill or knowledge possessed by a doctor of medicine or doctor of osteopathy or which require that medical judgment be exercised; (5) procedures requiring special technical competency and/or special equipment or materials; (6) routine screening procedures; and (7) procedures which are not of a diagnostic nature.

2	A: Transportation Services V13849 vi ceHIPAA A		<p>A provider who moves a patient, tissue specimen or equipment from one location to another.</p>	
3	A: Ambulance V13850 c eHIPAA		<p>An emergency vehicle used for transporting patients to a health care facility after injury or illness. Types of ambulances used in the United States include ground (surface) ambulance, rotor-wing (helicopter), and fixed-wing aircraft (airplane).</p>	
4	L: (3416A0 13851 800N)	3416A0800N	Transportation Services; Ambulance; Air	
4	L: (3416L03 13852 00N)	3416L0300N	Transportation Services; Ambulance; Land	
4	L: (3416S03 13853 00N)	3416S0300N	Transportation Services; Ambulance; Sea	
3	L: (3439000 13854 00N)	343900000N	Transportation Services; Medical Transport (Van)	<p>A land vehicle with a capacity to meet special height, clearance, access, and seating, for the conveyance of persons in non-emergency situations. The vehicle may or may not be required to meet local county or state regulations.</p>
3	L: (3446000 13855 00N)	344600000N	Transportation Services; Taxi	<p>A land commercial vehicle used for the transporting of persons in non-emergency situations. The vehicle meets local, county or state regulations set forth by the jurisdictions where it is located.</p>

PHIN Vocabulary Domain Name : Provider Certification Status
PHIN Vocabulary Domain Code : Provider Certification Status
PHIN Vocabulary Domain ID :212
PHIN Vocabulary Domain Definition : A code that represents the status of the provider's certification status.
PHIN Vocabulary Domain Keywords : C
Date Created :04/25/2005
Date Revised :04/25/2005
Code System Identification Status: Complete
PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:
http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc
Consolidative Health Informatics (CHI) Domain Comments: See the demographics domain comments.

Recommended Code System : HL7
Recommended Code System Version: Version 2.5
Recommended Code System Reference ID : Chapter 15, PRA-5 Specialty (SPD) 00689
Recommended Code System Hyperlink :
 (1) Download all balloted chapters of HL7 version 2.5 in word document (doc) format:
https://www.hl7.org/memonly/v25/membership2/v25_completenesspackage_wordformat.zip
 (2) Download all balloted chapters of HL7 version 2.5 in PDF format:
https://www.hl7.org/memonly/v25/membership2/v25_completenesspackage_pdfformat.zip
 (3) Download Individual Chapters of HL7 Version 2.5 in word / pdf format:
<https://www.hl7.org/memonly/v25/membership2/index.cfm>

Recommended Code System Concept Enumeration: complete (This is presented for illustrative purposes only)

HL7 Table 0337 - Certification status

Value	Description	Comment
C	Certified	
E	Eligible	

ICD-9 E

PHIN Vocabulary Domain Name : Immunizations

PHIN Vocabulary Domain Code : Immunizations

PHIN Vocabulary Domain ID :3

PHIN Vocabulary Domain Definition : The implementation of a data standard for the storage and exchange of immunization data would provide an organized and streamlined means of communicating between Federal partners by offering a real-time means of transferring information regarding immunization encounters, vaccine events, patient records and other immunization-related information important to immunization registries.

PHIN Vocabulary Domain Keywords : Immunization, Vaccination, Vaccine Data, Immunizations/Vaccinations Data Transactions and supporting terminology

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments: Sub-domains like "Vaccine Contraindications", "Vaccine Reactions" may withdraw the codes from SNOMED CT.

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/immun_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments:

RECOMMENDATION

Health Level Seven[®] (HL7[®]) for immunization registry terminology, more specifically the CVX (clinical vaccine formulation) and MVX (manufacturer) codes.

OWNERSHIP

The Immunization Data Transactions, Version 2.3.1 of the HL7[®] Standard Protocol, Version 2.0 has been promulgated as the primary standard for immunization data transactions by CDC in the National Immunization Program (NIP). HL7[®] has designated the CDC as the maintenance agency for the CVX and MVX codes.

Describe the specific purpose/primary use of this standard in the federal health care sector (100 words or less)

The implementation of a data standard for the exchange of immunization data would provide an organized and streamlined means of communicating between Federal partners by offering a real-time means of transferring information regarding immunization encounters, vaccine events, patient records and other immunization-related information important to immunization registries. Additionally, use of a common vocabulary would allow direct interfacing with multiple facilities within the Federal sector, regardless of location or size. This would enhance immunization registry and surveillance activities; give more robust data with respect to coverage levels, immunization histories, vaccine decision support, record exchange and patient/parent reminders, standardize communication to/from providers/users of vaccine information such as primary care physicians and schools; and provide an up-to-date standardized method of communication to keep vaccination records current and complete.

Recommendation *Identify the solution recommended.*

For the messaging standard, HL7[®] 2.3.1, and future versions, as defined by CDC in the Implementation Guide for Immunization Data Transactions using Version 2.3.1. of the Health Level Seven[®] (HL7[®]) Standard Protocol – Implementation Guide Version 2.1 (September 2002) available at <http://www.cdc.gov/nip/registry>. For immunization registry terminology, the recommendation supports the use of CVX (clinical vaccine formulation) and MVX (manufacturer) codes from HL7[®]. This recommendation will be revisited within 12-18 months to determine whether an appropriate, and sufficiently robust, terminology exists to update those data needs. The Immunizations/Vaccinations Team recommendations for product related terminology will be aligned with the Medications workgroup as described below. The recommendation for the messaging standard described here will be reviewed in 12-18 months to assess its updating of the current HL7[®] adverse event message with the HL7[®] Version 3.0 Electronic MedWatch Message for adverse events that is currently under development.

Recommended Code System : HL7 (CDC - CVX & MVX)

Recommended Code System Version: Implementation Guide for Immunization Data Transactions using Version 2.3.1. of the Health Level Seven[®] (HL7[®]) Standard Protocol – Implementation Guide Version 2.1 (September 2002)

Recommended Code System Reference ID : HL7 Version 2.3 table 0292

Recommended Code System Hyperlink :

HL7 Standard & Implementation Guide: <http://www.cdc.gov/nip/registry/tech.htm#st>

CVX Vaccines Administered : <http://www.cdc.gov/nip/registry/hl7/hl7-cvx.htm>

MVX Manufacturers of Vaccine: <http://www.cdc.gov/nip/registry/hl7/hl7-mvx.htm>

Recommended Code System Concept Enumeration: Complete, please refer to the sub-domains "CVX" & "MVX" Codes.

PHIN Vocabulary Domain Name : CVX - Vaccines Administered

PHIN Vocabulary Domain Code : CVXVaccinesAdministered

PHIN Vocabulary Domain ID :48

PHIN Vocabulary Domain Definition : The CDC's National Immunization Program (NIP) maintains the HL7 external code set CVX. The implementation of the HL7 standard for immunization data exchange is described in Chapter 4 of the HL7 standard. The codes in HL7 Version 2.3 table 0292, represented the initial content of the external CVX code set. Since vaccines have to be added to this table more quickly than new versions of HL7 are released, this hyperlink mentioned below represents the most up-to-date version of the CVX code set.

PHIN Vocabulary Domain Keywords : CVX Vaccines Administered, Clinical Vaccine Formulation, Vaccine Type

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/immun_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments:

RECOMMENDATION

Health Level Seven[®] (HL7[®]) for immunization registry terminology, more specifically the CVX (clinical vaccine formulation) and MVX (manufacturer) codes.

OWNERSHIP

The Immunization Data Transactions, Version 2.3.1 of the HL7[®] Standard Protocol, Version 2.0 has been promulgated as the primary standard for immunization data transactions by CDC in the National Immunization Program (NIP). HL7[®] has designated the CDC as the maintenance agency for the CVX and MVX codes.

CHI Recommendation

For the messaging standard, HL7[®] 2.3.1, and future versions, as defined by CDC in the Implementation Guide for Immunization Data Transactions using Version 2.3.1. of the Health Level Seven[®] (HL7[®]) Standard Protocol – Implementation Guide Version 2.1 (September 2002) available at <http://www.cdc.gov/nip/registry>. For immunization registry terminology, the recommendation supports the use of CVX (clinical vaccine formulation) and MVX (manufacturer) codes from HL7[®]. This recommendation will be revisited within 12-18 months to determine whether an appropriate, and sufficiently robust, terminology exists to update those data needs. The Immunizations/Vaccinations Team recommendations for product related terminology will be aligned with the Medications workgroup as described below. The recommendation for the messaging standard described here will be reviewed in 12-18 months to assess its updating of the current HL7[®] adverse event message with the HL7[®] Version 3.0 Electronic MedWatch Message for adverse events that is currently under development.

Recommended Code System : HL7 (CDC - CVX)

Recommended Code System Version: Last updated done by NIP is on February 18th, 2005

Recommended Code System Reference ID : HL7 Version 3 "VaccineType"

Recommended Code System Hyperlink :

HL7 Standard & Implementation Guide: <http://www.cdc.gov/nip/registry/tech.htm#st>

CVX Vaccines Administered : <http://www.cdc.gov/nip/registry/hl7/hl7-cvx.htm>

Recommended Code System Concept Enumeration: Complete (This is presented for illustrative purposes only).

Cod e	Short Description	Full Vaccine Name
54	adenovirus, type 4	adenovirus vaccine, type 4, live, oral
55	adenovirus, type 7	adenovirus vaccine, type 7, live, oral
82	adenovirus, NOS ¹	adenovirus vaccine, NOS
24	anthrax	anthrax vaccine
19	BCG	Bacillus Calmette-Guerin vaccine
27	botulinum antitoxin	botulinum antitoxin
26	cholera	cholera vaccine
29	CMVIG	cytomegalovirus immune globulin, intravenous
56	dengue fever	dengue fever vaccine
12	diphtheria antitoxin	diphtheria antitoxin
28	DT (pediatric)	diphtheria and tetanus toxoids, adsorbed for pediatric use
20	DTaP	diphtheria, tetanus toxoids and acellular pertussis vaccine
106	DTaP, 5 pertussis antigens ⁶	diphtheria, tetanus toxoids and acellular pertussis vaccine, 5 pertussis antigens
107	DTaP, NOS	diphtheria, tetanus toxoids and acellular pertussis vaccine, NOS
110	DTaP-Hep B-IPV	DTaP-hepatitis B and poliovirus vaccine
50	DTaP-Hib	DTaP- <i>Haemophilus influenzae</i> type b conjugate vaccine
01	DTP	diphtheria, tetanus toxoids and pertussis vaccine
22	DTP-Hib	DTP- <i>Haemophilus influenzae</i> type b conjugate vaccine

102	DTP-Hib-Hep B	DTP- <i>Haemophilus influenzae</i> type b conjugate and hepatitis b vaccine
57	hantavirus	hantavirus vaccine
52	Hep A, adult	hepatitis A vaccine, adult dosage
83	Hep A, ped/adol, 2 dose	hepatitis A vaccine, pediatric/adolescent dosage, 2 dose schedule
84	Hep A, ped/adol, 3 dose	hepatitis A vaccine, pediatric/adolescent dosage, 3 dose schedule
31	Hep A, pediatric, NOS	hepatitis A vaccine, pediatric dosage, NOS
85	Hep A, NOS	hepatitis A vaccine, NOS
104	Hep A-Hep B	hepatitis A and hepatitis B vaccine
30	HBIG	hepatitis B immune globulin
08	Hep B, adolescent or pediatric	hepatitis B vaccine, pediatric or pediatric/adolescent dosage
42	Hep B, adolescent/high risk infant ²	hepatitis B vaccine, adolescent/high risk infant dosage
43	Hep B, adult ⁴	hepatitis B vaccine, adult dosage
44	Hep B, dialysis	hepatitis B vaccine, dialysis patient dosage
45	Hep B, NOS	hepatitis B vaccine, NOS
58	Hep C	hepatitis C vaccine
59	Hep E	hepatitis E vaccine
60	herpes simplex 2	herpes simplex virus, type 2 vaccine
46	Hib (PRP-D)	<i>Haemophilus influenzae</i> type b vaccine, PRP-D conjugate
47	Hib (HbOC)	<i>Haemophilus influenzae</i> type b vaccine, HbOC conjugate
48	Hib (PRP-T)	<i>Haemophilus influenzae</i> type b vaccine, PRP-T conjugate

49	Hib (PRP-OMP)	<i>Haemophilus influenzae</i> type b vaccine, PRP-OMP conjugate
17	Hib, NOS	<i>Haemophilus influenzae</i> type b vaccine, conjugate NOS
51	Hib-Hep B	<i>Haemophilus influenzae</i> type b conjugate and Hepatitis B vaccine
61	HIV	human immunodeficiency virus vaccine
62	HPV	human papilloma virus vaccine
86	IG	immune globulin, intramuscular
87	IGIV	immune globulin, intravenous
14	IG, NOS	immune globulin, NOS
111	influenza, live, intranasal	influenza virus vaccine, live, attenuated, for intranasal use
15	influenza, split (incl. purified surface antigen)	influenza virus vaccine, split virus (incl. purified surface antigen)
16	influenza, whole	influenza virus vaccine, whole virus
88	influenza, NOS	influenza virus vaccine, NOS
10	IPV	poliovirus vaccine, inactivated
02	OPV	poliovirus vaccine, live, oral
89	polio, NOS	poliovirus vaccine, NOS
39	Japanese encephalitis	Japanese encephalitis vaccine
63	Junin virus	Junin virus vaccine
64	leishmaniasis	leishmaniasis vaccine
65	leprosy	leprosy vaccine
66	Lyme disease	Lyme disease vaccine
03	MMR	measles, mumps and rubella virus vaccine

04	M/R	measles and rubella virus vaccine
94	MMRV	measles, mumps, rubella, and varicella virus vaccine
67	malaria	malaria vaccine
05	measles	measles virus vaccine
68	melanoma	melanoma vaccine
32	meningococcal	meningococcal polysaccharide vaccine (MPSV4)
103	meningococcal C conjugate	meningococcal C conjugate vaccine
114	meningococcal A,C,Y,W-135 diphtheria conjugate	meningococcal polysaccharide (groups A, C, Y and W-135) diphtheria toxoid conjugate vaccine (MCV4)
07	mumps	mumps virus vaccine
69	parainfluenza-3	parainfluenza-3 virus vaccine
11	pertussis	pertussis vaccine
23	plague	plague vaccine
33	pneumococcal	pneumococcal polysaccharide vaccine
100	pneumococcal conjugate	pneumococcal conjugate vaccine, polyvalent
109	pneumococcal, NOS	pneumococcal vaccine, NOS
70	Q fever	Q fever vaccine
18	rabies, intramuscular injection	rabies vaccine, for intramuscular injection
40	rabies, intradermal injection	rabies vaccine, for intradermal injection
90	rabies, NOS	rabies vaccine, NOS
72	rheumatic fever	rheumatic fever vaccine
73	Rift Valley fever	Rift Valley fever vaccine
34	RIG	rabies immune globulin

74	rotavirus	rotavirus vaccine, tetravalent, live, oral
71	RSV-IGIV	respiratory syncytial virus immune globulin, intravenous
93	RSV-MAb	respiratory syncytial virus monoclonal antibody (palivizumab), intramuscular
06	rubella	rubella virus vaccine
38	rubella/mumps	rubella and mumps virus vaccine
76	<i>Staphylococcus</i> bacterio lysate	<i>Staphylococcus</i> bacteriophage lysate
113	Td (adult)	tetanus and diphtheria toxoids, adsorbed, preservative free, for adult use
09	Td (adult)	tetanus and diphtheria toxoids, adsorbed for adult use
35	tetanus toxoid	tetanus toxoid, adsorbed
77	tick-borne encephalitis	tick-borne encephalitis vaccine
112	tetanus toxoid, NOS	tetanus toxoid, NOS
13	TIG	tetanus immune globulin
95	TST-OT tine test	tuberculin skin test; old tuberculin, multipuncture device
96	TST-PPD intradermal	tuberculin skin test; purified protein derivative solution, intradermal
97	TST-PPD tine test	tuberculin skin test; purified protein derivative, multipuncture device
98	TST, NOS	tuberculin skin test; NOS
78	tularemia vaccine	tularemia vaccine
25	typhoid, oral	typhoid vaccine, live, oral
41	typhoid, parenteral	typhoid vaccine, parenteral, other than acetone-killed, dried

53	typhoid, parenteral, AKD (U.S. military)	typhoid vaccine, parenteral, acetone-killed, dried (U.S. military)
101	typhoid, VICPs	typhoid Vi capsular polysaccharide vaccine
75	vaccinia (smallpox)	vaccinia (smallpox) vaccine
105	vaccinia (smallpox) diluted	vaccinia (smallpox) vaccine, diluted
91	typhoid, NOS	typhoid vaccine, NOS
79	vaccinia immune globulin	vaccinia immune globulin
21	varicella	varicella virus vaccine
81	VEE, inactivated	Venezuelan equine encephalitis, inactivated
80	VEE, live	Venezuelan equine encephalitis, live, attenuated
92	VEE, NOS	Venezuelan equine encephalitis vaccine, NOS
36	VZIG	varicella zoster immune globulin
37	yellow fever	yellow fever vaccine
998	no vaccine administered ⁵	no vaccine administered
999	unknown	unknown vaccine or immune globulin
99	RESERVED - do not use ³	RESERVED - do not use

Usage Notes:

- 1.NOS=not otherwise specified; avoid using NOS codes except to record historical records that lack the indicated specificity.
- 2.As of August 27, 1998, Merck ceased distribution of their adolescent/high risk infant hepatitis B vaccine dosage. Code 42 should only be used to record historical records. For current administration of hepatitis B vaccine, pediatric/adolescent dosage, use code 08.
- 3.Code 99 will not be used in this table to avoid confusion with code 999.
- 4.As of September 1999, a 2-dose hepatitis B schedule for adolescents (11-15 year olds) was FDA approved for Merck's Recombivax HB® adult formulation. Use code 43 for both the 2-dose and the 3- dose schedules.
- 5.Code 998 was added for use in VXR and VXU HL7 messages where the OBX segment is

nested with the RXA segment, but the message does not contain information about a vaccine administration. An example of this use is to report the vaccines due next for a patient when no vaccine administration is being reported.

6. As of May 2002, the FDA approved Aventis Pasteur's DTaP Daptacel for use in the U.S. Aventis Pasteur also manufactures the DTaP vaccine Tripedia. Daptacel contains 5 pertussis antigens, while Tripedia contains 2 pertussis antigens. To distinguish between the two Aventis Pasteur DTaP vaccines, code 106 was added to represent Daptacel. Use code 106 for Daptacel and code 20 for Tripedia and other DTaP vaccines.

PHIN Vocabulary Domain Name : MVX - Manufacturers of Vaccines

PHIN Vocabulary Domain Code : MVX - Manufacturers of Vaccines

PHIN Vocabulary Domain ID :52

PHIN Vocabulary Domain Definition : The CDC's National Immunization Program maintains the HL7 external code set MVX. The implementation of the HL7 standard for immunization data exchange is described in Chapter 4 of the HL7 standard. The codes in HL7 Version 2.3 table 0227 represent the initial content of the external MVX code set. The hyperlink mentioned below represents the most up-to-date version of the MVX code set.

PHIN Vocabulary Domain Keywords : MVX Manufacturer of Vaccine, Manu. of Vaccines, MVX Code set,

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/immun_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments:

RECOMMENDATION

Health Level Seven[®] (HL7[®]) for immunization registry terminology, more specifically the CVX (clinical vaccine formulation) and MVX (manufacturer) codes.

OWNERSHIP

The Immunization Data Transactions, Version 2.3.1 of the HL7[®] Standard Protocol, Version 2.0 has been promulgated as the primary standard for immunization data transactions by CDC in the National Immunization Program (NIP). HL7[®] has designated the CDC as the maintenance agency for the CVX and MVX codes.

CHI Recommendation

For the messaging standard, HL7[®] 2.3.1, and future versions, as defined by CDC in the Implementation Guide for Immunization Data Transactions using Version 2.3.1. of the Health Level Seven[®] (HL7[®]) Standard Protocol – Implementation Guide Version 2.1 (September 2002) available at <http://www.cdc.gov/nip/registry>. For immunization registry terminology, the recommendation supports the use of CVX (clinical vaccine formulation) and MVX (manufacturer) codes from HL7[®]. This recommendation will be revisited within 12-18 months to determine whether an appropriate, and sufficiently robust, terminology exists to update those data needs. The Immunizations/Vaccinations Team recommendations for product related terminology will be aligned with the Medications workgroup as described below. The recommendation for the messaging standard described here will be reviewed in 12-18 months to assess its updating of the current HL7[®] adverse event message with the HL7[®] Version 3.0 Electronic MedWatch Message for adverse events that is currently under development.

Recommended Code System : HL7 (CDC - MVX)

Recommended Code System Version: Last updated done by NIP is on February 18th, 2005

Recommended Code System Reference ID : HL7 Version 3 "VaccineManufacturer"

Recommended Code System Hyperlink :

HL7 Standard & Implementation Guide: <http://www.cdc.gov/nip/registry/tech.htm#st>

MVX - Manufacturers of Vaccine: <http://www.cdc.gov/nip/registry/hl7/hl7-mvx.htm>

Recommended Code System Concept Enumeration: Complete (This is presented for illustrative purposes only).

**Cod
e Vaccine Manufacturer/Distributor**

- AB Abbott Laboratories (*includes Ross Products Division*)
- AD Adams Laboratories, Inc.
- ALP Alpha Therapeutic Corporation
- AR Armour [**Inactive--use AVB**]
- AVB Aventis Behring L.L.C. (*formerly Centeon L.L.C.; includes Armour Pharmaceutical Company*)
- AVI Aviron
- BA Baxter Healthcare Corporation [**Inactive--use BAH**]
- BAH Baxter Healthcare Corporation (*includes Hyland Immuno, Immuno International AG, and North American Vaccine, Inc.*)
- BAY Bayer Corporation (*includes Miles, Inc. and Cutter Laboratories*)
- BP Berna Products [**Inactive--use BPC**]
- BPC Berna Products Corporation (*includes Swiss Serum and Vaccine Institute Berne*)
- CEN Centeon L.L.C. [**Inactive--use AVB**]
- CHI Chiron Corporation (*includes PowderJect Pharmaceuticals, Celltech Medeva Vaccines and Evans Medical Limited*)
- CMP Celltech Medeva Pharmaceuticals [**Inactive--use CHI**]
- CON Connaught [**Inactive--use PMC**]
- EVN Evans Medical Limited [**Inactive--use CHI**]
- GRE Greer Laboratories, Inc.
- IAG Immuno International AG [**Inactive--use BAH**]
- IM Merieux [**Inactive--use PMC**]
- IUS Immuno-U.S., Inc.
- JPN The Research Foundation for Microbial Diseases of Osaka University (BIKEN)
- KGC Korea Green Cross Corporation
- LED Lederle [**Inactive--use WAL**]

MA	Massachusetts Public Health Biologic Laboratories [Inactive--use MBL]
MBL	Massachusetts Biologic Laboratories (<i>formerly Massachusetts Public Health Biologic Laboratories</i>)
MED	MedImmune, Inc.
MIL	Miles [Inactive--use BAY]
MIP	Bioport Corporation (<i>formerly Michigan Biologic Products Institute</i>)
MSD	Merck &Co., Inc.
NAB	NABI (<i>formerly North American Biologicals, Inc.</i>)
NYB	New York Blood Center
NAV	North American Vaccine, Inc. [Inactive--use BAH]
NOV	Novartis Pharmaceutical Corporation (<i>includes Ciba-Geigy Limited and Sandoz Limited</i>)
OTC	Organon Teknika Corporation
ORT	Ortho-Clinical Diagnostics (<i>formerly Ortho Diagnostic Systems, Inc.</i>)
PD	Parkdale Pharmaceuticals (<i>formerly Parke-Davis</i>)
PMC	Aventis Pasteur Inc. (<i>formerly Pasteur Merieux Connaught; includes Connaught Laboratories and Pasteur Merieux</i>)
PRX	Praxis Biologics [Inactive--use WAL]
PWJ	PowderJect Pharmaceuticals (<i>includes Celltech Medeva Vaccines and Evans Medical Limited</i>) [Inactive--use CHI]
SCL	Sclavo, Inc.
SI	Swiss Serum and Vaccine Inst. [Inactive--use BPC]
SKB	GlaxoSmithKline (<i>formerly SmithKline Beecham; includes SmithKline Beecham and Glaxo Wellcome</i>)
USA	United States Army Medical Research and Material Command
WA	Wyeth-Ayerst [Inactive--use WAL]
WAL	Wyeth-Ayerst (<i>includes Wyeth-Lederle Vaccines and Pediatrics, Wyeth Laboratories, Lederle Laboratories, and Praxis Biologics</i>)
OTH	Other manufacturer
UNK	Unknown manufacturer

NOTE: The MVX table reflects name changes and changes in corporate status. Where there have been company mergers, the affected old codes have been labeled "inactive".

PHIN Vocabulary Domain Name : Laboratory Test Order Names
PHIN Vocabulary Domain Code :LaboratoryTestOrderNames
PHIN Vocabulary Domain ID :4
PHIN Vocabulary Domain Definition : The representation of the names of laboratory test associated with an order within a computer system.
PHIN Vocabulary Domain Keywords : Lab Test Order Name
Date Created :04/25/2005
Date Revised :04/25/2005
Code System Identification Status:Complete
PHIN Comments: LOINC Laboratory Class

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/ltornm_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments:

The Laboratory Test Order Name workgroup agrees with the Laboratory Test Results Name workgroup recommendation regarding the introduction of a hierarchy to LOINC® that would allow for standard aggregation of terms across the healthcare system, ease in identifying needed terms, and identification of terms to assign within an institution. The non-hierarchical nature of LOINC® makes consistent aggregation of concepts difficult. Preliminary work towards developing hierarchies is being considered by the LOINC® committee.

LOINC® needs to continue to improve coverage of test panels.

Recommended Code System : LOINC

Recommended Code System Version: 2.14

Recommended Code System Reference ID : LOINC Lab Class

Recommended Code System Hyperlink :

Download LOINC : <http://www.regenstrief.org/loinc/download/>

Browse LOINC :

<http://nciterms.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=LOINC&code=C1&bookmarktag=2>

Recommended Code System Concept Enumeration: Partial list of LOINC sub-classes
(This is presented for illustrative purposes only).

ABXBACT
ALLERGY
BC
BLDBK
CELLMARK
CHAL
CHALSKIN
CHEM
COAG
CYTO
DRUG
DRUGDOSE
FERT
HEM
HLA
MICRO
MISC-LAB
MOLPATH
MOLPATH.DEL
MOLPATH.MUT
MOLPATH.REARRANGE
MOLPATH.TRINUC

MOLPATH.TRISOMY
MOLPATH.TRNLOC
PANEL.BB
PANEL.BC
PANEL.CHEM
PANEL.MICRO
PANEL.OBS
PANEL.SERO
PANEL.UA
PATH
RACE(1)
SERO
SPEC
SURGPATH
TOX
UA

PHIN Vocabulary Domain Name : Laboratory Result Names

PHIN Vocabulary Domain Code :LaboratoryResultNames

PHIN Vocabulary Domain ID :5

PHIN Vocabulary Domain Definition : The representation of the names of laboratory test results associated with an order within a computer system. This domain does not include the Laboratory Result Contents.

PHIN Vocabulary Domain Keywords : Lab Test Result Name

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments: LOINC Laboratory Class

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

<http://www.whitehouse.gov/omb/egov/documents/domain1.doc>

Consolidative Health Informatics (CHI) Domain Comments:

Consistent and widespread appearance of XXX codes in LOINC would ease introduction. The specificity of LOINC codes in early laboratory implementations prevented easy assignment of codes to laboratory tests. Many of the codes did not match the way laboratories did business. For example, a laboratory might use an identifier for a laboratory test that was specimen independent, relying on another part of the result to convey the specimen type. To accommodate this and similar situations, LOINC has introduced the concept of independence in some of its axes through the use of XXX (defined elsewhere in the message) identifiers for one or more of a code's axes.

Introduction of a hierarchy to LOINC would allow for standard aggregation of terms across the healthcare system, ease in identifying needed terms, and identification of terms to assign within an institution. The non-hierarchical nature of LOINC makes consistent aggregation of concepts difficult. Preliminary work towards developing hierarchies is being considered by the LOINC committee.

Recommended Code System : LOINC

Recommended Code System Version: 2.14

Recommended Code System Reference ID : LOINC Lab Class

Recommended Code System Hyperlink :

Download LOINC : <http://www.regenstrief.org/loinc/download/>

Browse LOINC :

<http://nciterms.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=LOINC&code=C1&bookmarktag=2>

Recommended Code System Concept Enumeration: Partial list of LOINC sub-classes
(This is presented for illustrative purposes only)

ABXBACT
ALLERGY
BC
BLDBK
CELLMARK
CHAL
CHALSKIN
CHEM
COAG
CYTO
DRUG
DRUGDOSE
FERT
HEM
HLA
MICRO

MISC-LAB
MOLPATH
MOLPATH.DEL
MOLPATH.MUT
MOLPATH.REARRANGE
MOLPATH.TRINUC
MOLPATH.TRISOMY
MOLPATH.TRNLOC
PANEL.BB
PANEL.BC
PANEL.CHEM
PANEL.MICRO
PANEL.OBS
PANEL.SERO
PANEL.UA
PATH
RACE(1)
SERO
SPEC
SURGPATH
TOX
UA

PHIN Vocabulary Domain Name : Laboratory Result Contents

PHIN Vocabulary Domain Code :LaboratoryResultContents

PHIN Vocabulary Domain ID :6

PHIN Vocabulary Domain Definition : This standard will be used to exchange results of laboratory tests between facilities. These results are contained within a laboratory report that includes additional items such as patient and order demographics, laboratory test name (expressed as a LOINC® code as approved by CHI and adopted as a federal standard), specimen type and other items as may be required by business needs or messaging structures.

PHIN Vocabulary Domain Keywords : Lab Test Result Contents, Lab Result

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/lrc_and_units_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments:

Gaps

Content:

Except for the ever present need to add new concepts as the area expands both SNOMED® and UMLS® appear complete in the coverage of coding for laboratory results.

Laboratory Result Comments:

No universal agreement exists for the use and contents of comments associated with laboratory results. In many cases, especially if the comment involves the condition of the sample or the inability to collect a sample, the comment has direct implications with regard to the result. In other cases, the comment provides understanding with regard to the interpretation of the result. For example the comment “Some gonorrhea seen” is used by one laboratory as a culture result code, but the meaning is not clear. Similar ambiguous language exists in other laboratory disciplines. A professional organization needs to step forward and undertake the standardization of comments so that we can achieve better understanding when these are received.

Laboratory Result Abbreviations:

As with all professions, abbreviations and acronyms are widely used in laboratory medicine and are not standardized. When used in a result they could result in ambiguous understanding. A professional organization needs to step forward and undertake the standardization of comments so that we can achieve better understanding when these are received. One of the work group participants has compiled a list of approximately 12,100 laboratory associated abbreviations, many having multiple meaning and one having 40. Clearly some interchange standard is needed to use these successfully. The US Army has a standard set of abbreviations used for their internal purposes and the Workgroup recommends this be reviewed and considered as a basis for a National Standard Abbreviation set to be maintained by a designated organization, not necessarily the DoD.

Ordinal Results (Method Codes):

While ordinal results such as 1+ or Positive are beyond the scope of this report, the workgroup wanted it noted that some conformance is needed before these can be understood between sites.

One set of tests reports results with respect to a sample containing a fixed amount of the material tested. If more material is noted in the patient sample it is reported as positive, less is negative and many tests define a borderline zone. Generally these are tests for infectious material as determined by the presence

of either the antibody developed in response to the presence of the organism or direct measurement of an antigen found on the organism. Without knowledge of the cutoff value comparison between positive and negative results obtained at different institutions is difficult.

Similarly, values reported on an ordinal scale, such 1+, depend on the amount of material present. Also, within a test, the difference between 1+ and 2+ varies in a non-standard fashion. Again, without knowledge of how these scales are derived interpretation between institutions is difficult.

Ideally, standards should be developed for the tests and universally applied by all test developers, perhaps enforced by the FDA as part of their medical device oversight. Realistically, this will not happen, in part because technology changes and also the sensitivity and specificity of test, which helps determine the cutoff value and ordinal scales, varies with clinical need. Hence, as part of the CHI recommendations we should advise that testing method be sent as part of a laboratory test result so these values can be understood.

It is recommended that the FDA develop a standard and informatically sound means to identify existing approved methods to the device level and publish that information as part of their approval process. This classification system should be also be applied to legacy devices. It is our understanding that the FDA is currently exploring the use of the Global Device Nomenclature for similar purposes. The current list maintained for the Clinical Laboratory Improvement Act (CLIA) should be reviewed as a source for these codes.

Laboratory Results - Non-Human Content:

Coverage is weak and will need through review and expansion with topic experts. It is recommended that the government partner with the American Veterinary Association to more fully support the animal portion of SNOMED® and find suitable partners for the plant and food portions. Actual food product codes are outside the scope of a terminology and will require agreement between FDA and USDA.

Additional non-human content that was not explored by the workgroup but it is important include environmental samples such as air, soil and water, storage containers, manufacturing sites, etc. While many of these types of sample are not generally involved in health information, it is to the government's benefit for common terminology to exist so that when potential health impacts occur semantic understanding is achieved. It is recommended that an interagency taskforce be formed from DoD, HHS, and EPA at a minimum to make better recommendations in this important area.

Recommended Code System : SNOMED CT

Recommended Code System Version: 0207core

Recommended Code System Reference ID : 118246004, 264395009, 4748007,

Recommended Code System Hyperlink :

Browse SNOMED CT (click on "Browse Hierarchy" button):

http://nciterns.nci.nih.gov/NCIBrowser/Connect.do?dictionary=SNOMED_CT&bookmarktag=1

Recommended Code System Concept Enumeration: Partial (List of Sub-domains)

Sub-domains

Ordinal results

Anatomical Pathology report codes

Living Organism codes

Hematology result codes

Immunohematology (Blood Bank) result codes

Units
Other descriptive laboratory test result codes
Standard Comments
Abbreviations
Non-human Specimen Type

Units:

UMLS® CUIs were found for most common laboratory units. They exist in the section “Quantitative Concepts” of which approximately 3190 exist, most not laboratory related. Most of the UMLS® codes derive from the Read code system that was subsumed by SNOMED® and hence exist, even more extensively, in SNOMED CT®. Note – these are not Category 0 codes until the US license for SNOMED CT® goes into effect. The SNOMED® codes are found under **Quantifier Value:Unit**.

Additional unit descriptions, but not codes are found in various standards used by HL7® derived from ISO 2955–83 (withdrawn by ISO in 2001) and ANSI X3.50. Inclusion in the HL7® documentation without restriction indicates free use for interchange messaging. HL7® defines a number of common relative units used in medicine such as mg/dL and the ISO/ANSI standards define ways to create others from core units. These combined and core units include mixed case forms where appropriate. While a complete analysis of the HL table was not conducted against all possible units, investigation of the laboratory domain and a quick review of other areas of medicine indicates it is sufficient to recommend.

Living Organism codes:

CDC distributes for use the SNOMED® hierarchy **Organism:Living Organism**, containing approximately 17,000 concepts. A cross-mapping of those of public health interest to concepts found in MESH reveals adequate coverage for reporting but not case-investigation purposes of about 2500 organism. No count is readily available for the NCBI taxonomy, but the UMLS® lists approximately 107,570 concepts. No check was made to see if all of the SNOMED® organism codes correspond to NCBI codes but it is assumed they do. If that is the case, it is safe to assume that MESH forms an adequate subset for reporting purposes, SNOMED® for clinical use and NCBI for research purposes. Organisms in each should map to the same UMLS® CUI, making interchange of codesets easy.

Anatomical Pathology report codes:

Anatomical pathology concepts were found in previous versions of SNOMED®. The last version of SNOMED® International (V 3.5) had approximately 5,900 morphology terms. In the present version of SNOMED CT® these are found primarily in the following hierarchy: **Body Structure:Morphologically Altered Structure:Morphologically Abnormal Structure**. It is difficult to compare the completeness of the SNOMED® Terms with other terminologies due to classification differences. For example, Hodgkin lymphoma and Morbilliform rash are both found in this hierarchy of SNOMED CT®. In UMLS®, Morbilliform rash is classified as a finding and appears in six other terminologies. Hodgkin lymphoma is classified as a neoplastic process and appears in 25 other terminologies.

Anatomy forms an important part of the anatomical pathology report but the workgroup offers no recommendation as to a terminology. We note that another Workgroup, History and Physical, is charged to look into this domain. We note that one of the difficulties in an anatomy terminology is that the concepts and hierarchy are use dependant. For instance a dermatologist assigns a topology of “skin” to a demofibroma of the foot. The podiatrist would assign a topology of “foot” or something more detailed, such as “planter foot” for the same lesion. A pathologist may assign a topology of “soft tissue” to the same lesion. The Workgroup requests that others looking into anatomy take these comments into consideration.

Hematology result codes:

Codes for hematological disorders appear focused in SNOMED CT® under the **Disease:Disease by**

Body Site:Disorder of Body System:Disorder of Hematopoietic System hierarchy, as well as other areas. UMLS® places the hematological diseases in a similar hierarchy. A count of these codes is not available. Codes for various hematological cells are found primarily in the Body Structure hierarchy, Cell Structure, Blood Cell. Again, a count is not possible. UMLS® places the hematological cells in a similar hierarchy.

Immunohematology (Blood Bank) result codes:

Blood groups appear to be classified in SNOMED CT® under **Findings:Clinical History and Observation Findings:Clinical History and Observation Findings:General Finding of Observation of Patient:Genetic:Molecular and/or Cellular Finding:Genetic Finding:Phenotype:Blood Group Phenotype**. In UMLS®, these appear to also be findings, but are noted as laboratory results. A count is not possible.

Other descriptive laboratory test result codes:

SNOMED CT® includes many general laboratory result codes, including some appropriate to the above specific sections, under **Findings:Finding by Method:Test Finding:Laboratory Test Finding**. UMLS® Groups similar terms under Laboratory Test Results. A count is not possible.

Standard Comments:

SNOMED CT® includes many general laboratory result comments also under **Findings:Finding by Method:Test Finding:Laboratory Test Finding**. UMLS® Groups similar terms under Laboratory Test Results. In addition, other general comment codes are found in **Qualifier Value:Modifier:Linkage Term and/or Qualifier**. A count is not possible.

Abbreviations:

In general, neither SNOMED® nor UMLS® contain abbreviations. UMLS® contains an Abbreviation Table that is a list of acronyms used within the system but does not represent common clinically used abbreviations. The US Army has a standard set of abbreviations used for their internal purposes and the Workgroup recommends this be reviewed and considered as a basis for a National Standard Abbreviation set to be maintained by a designated organization, not necessarily the DoD.

Non-human codes:

Under **Organism:Living Organism**, SNOMED® has concepts for many plants and animals. Basic food products are listed under **Substance:Dietary Substance** but have no commercial codes.

PHIN Vocabulary Domain Name : Laboratory Test Results (findings)

PHIN Vocabulary Domain Code *LaboratoryTestResults*

PHIN Vocabulary Domain ID :8

PHIN Vocabulary Domain Definition : List of descriptive lab test result codes (finding) and standard comments sent by lab.

PHIN Vocabulary Domain Keywords : Lab Test Result, Laboratory Test Finding,

Descriptive lab test result codes.

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/lrc_and_units_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments :

Laboratory Test Result Comments:

No universal agreement exists for the use and contents of comments associated with laboratory results. In many cases, especially if the comment involves the condition of the sample or the inability to collect a sample, the comment has direct implications with regard to the result. In other cases, the comment provides understanding with regard to the interpretation of the result. For example the comment "Some gonorrhea seen" is used by one laboratory as a culture result code, but the meaning is not clear. Similar ambiguous language exists in other laboratory disciplines. A professional organization needs to step forward and undertake the standardization of comments so that we can achieve better understanding when these are received.

Other descriptive laboratory test result codes:

SNOMED CT® includes many general laboratory result codes, including some appropriate to the above specific sections, under **Findings:Finding by Method:Test Finding:Laboratory Test Finding**.

UMLS® Groups similar terms under Laboratory Test Results. A count is not possible.

Recommended Code System : SNOMED CT

Recommended Code System Version: 0207core

Recommended Code System Reference ID : 118246004 (laboratory test finding)

Recommended Code System Hyperlink :

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=F-01076&bookmarktag=2

Recommended Code System Concept Enumeration: Partial list of sub-domains (This is presented for illustrative purposes only)

281294003 sample finding

116650008 specimen related microbial interpretation (finding)

309157004 normal laboratory findings

309158009 abnormal laboratory findings

309228006 lowered laboratory findings

309230008 borderline laboratory findings

309299006 positive laboratory findings

309300003 negative laboratory findings

309315002 equivocal laboratory findings

309574009 laboratory findings present

309575005 laboratory findings absent

309588008 laboratory findings NAD

310571002 reactive laboratory findings

315010001 polymerase chain reaction observation
127558001 density finding
129454009 increased level (laboratory finding)
129455005 decreased level (laboratory finding)
106220000 genetic, molecular AND/OR cellular finding
274266004 drugs in blood abnormal [D]
274267008 drugs in urine abnormal [D]
309554002 chromosomal analys abnorm [D]
365686000 urine microscopy - general - finding
365689007 urine microscopy - casts - finding
365841001 body substance analysis finding
365843003 biochemistry finding
250173006 immunology finding
250207003 hematology finding
250435001 presence of cells
250537006 histopathology finding
250541005 biochemical finding
250544002 acid-base and/or blood gas finding
276349001 fecal chymotrypsin
373628000 finding of arterial oxygen concentration
373629008 capillary carbon dioxide tension
373631004 ccapO2 - Capillary oxygen content
373638005 conjunctival SpO2

PHIN Vocabulary Domain Name : Microorganism

PHIN Vocabulary Domain Code *Microorganism*

PHIN Vocabulary Domain ID :9

PHIN Vocabulary Domain Definition : List of concepts related to Microorganism and its attributes / subtypes (Eg. Bacterial Organism, Serogroups, Serotypes and Toxin types).

PHIN Vocabulary Domain Keywords : Microbiology, Microorganisms, Organism, Micro, Living Organism (Human Codes)

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/lrc_and_units_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments :

Living Organism codes:

CDC distributes for use the SNOMED® hierarchy **Organism:Living Organism**, containing approximately 17,000 concepts. A cross-mapping of those of public health interest to concepts found in MESH reveals adequate coverage for reporting but not case-investigation purposes of about 2500 organism. No count is readily available for the NCBI taxonomy, but the UMLS® lists approximately 107,570 concepts. No check was made to see if all of the SNOMED® organism codes correspond to NCBI codes but it is assumed they do. If that is the case, it is safe to assume that MESH forms an adequate subset for reporting purposes, SNOMED® for clinical use and NCBI for research purposes. Organisms in each should map to the same UMLS® CUI, making interchange of codesets easy.

Recommended Code System : SNOMED CT

Recommended Code System Version: 0207core

Recommended Code System Reference ID : 264395009 (Microorganism)

Recommended Code System Hyperlink :

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=L-00040&bookmarktag=2

Recommended Code System Concept Enumeration: Partial list of sub-domains (This is presented for illustrative purposes only)

15122003 algae

36272005 **infectious agent**

23496000 fungus

37763007 parasite

41146007 bacterium

49872002 virus

84676004 Prion

42701003 microbiologic agent

115630000 renotrophic organism

243643009 protozoan

370570004 kingdom protocista

PHIN Vocabulary Domain Name : Bacterium

PHIN Vocabulary Domain Code Bacterium

PHIN Vocabulary Domain ID :10

PHIN Vocabulary Domain Definition : Bacterium (Bacteria) is a Microorganism. This domain includes all the bacterial organism (eg. Gram Positive Bacterium, Cocci).

PHIN Vocabulary Domain Keywords : Bacteria, Bacterial Organism,

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/lrc_and_units_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments :

Living Organism codes:

CDC distributes for use the SNOMED® hierarchy **Organism:Living Organism**, containing approximately 17,000 concepts. A cross-mapping of those of public health interest to concepts found in MESH reveals adequate coverage for reporting but not case-investigation purposes of about 2500 organism. No count is readily available for the NCBI taxonomy, but the UMLS® lists approximately 107,570 concepts. No check was made to see if all of the SNOMED® organism codes correspond to NCBI codes but it is assumed they do. If that is the case, it is safe to assume that MESH forms an adequate subset for reporting purposes, SNOMED® for clinical use and NCBI for research purposes. Organisms in each should map to the same UMLS® CUI, making interchange of codesets easy.

Recommended Code System : SNOMED CT

Recommended Code System Version: 0207core

Recommended Code System Reference ID : 41146007 (Bacterium)

Recommended Code System Hyperlink :

http://nciterms.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=L-10000&bookmarktag=2

Recommended Code System Concept Enumeration: Partial list of sub-domains (This is presented for illustrative purposes only)

301780001 Gram-variable bacterium
27471002 aerobic bacteria
46994008 bacterial spore
50394002 bacilli
59343002 anaerobic bacteria
65538003 unclassified bacterium
81325006 Gram-negative bacterium
83045001 cocci
8745002 Gram-positive bacterium
311990008 bacteria excluding tuberculosis
131198005 diplococci
103423009 coccobacilli
103424003 pyogenic bacterium
115166000 Kingdom Procaryote
115649001 renotrophic bacteria

PHIN Vocabulary Domain Name : Virus

PHIN Vocabulary Domain Code Virus

PHIN Vocabulary Domain ID :11

PHIN Vocabulary Domain Definition : Virus is a Microorganism. This domain includes the whole taxonomy of virus.

PHIN Vocabulary Domain Keywords : Viral, Viral Organism

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/lrc_and_units_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments :

Living Organism codes:

CDC distributes for use the SNOMED® hierarchy **Organism:Living Organism**, containing approximately 17,000 concepts. A cross-mapping of those of public health interest to concepts found in MESH reveals adequate coverage for reporting but not case-investigation purposes of about 2500 organism. No count is readily available for the NCBI taxonomy, but the UMLS® lists approximately 107,570 concepts. No check was made to see if all of the SNOMED® organism codes correspond to NCBI codes but it is assumed they do. If that is the case, it is safe to assume that MESH forms an adequate subset for reporting purposes, SNOMED® for clinical use and NCBI for research purposes. Organisms in each should map to the same UMLS® CUI, making interchange of codesets easy.

Recommended Code System : SNOMED CT

Recommended Code System Version: 0207core

Recommended Code System Reference ID : 49872002 (Virus)

Recommended Code System Hyperlink :

http://nciterms.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=L-30000&bookmarktag=2

Recommended Code System Concept Enumeration: Partial list of sub-domains (This is presented for illustrative purposes only)

11705000 RNA virus
183392006 vibrio damsela (living organism)
32478008 DNA virus
106551006 presumed viral agent
106553009 bacterial, insect, plant AND/OR other virus
42334003 human virus
48905009 insect virus
50287002 animal virus
6596007 unclassified virus
67068001 bacterial virus
7463000 Filovirus
83084006 iridovirus
88117008 viroid
286881006 common specific viruses
312002006 non-arthropod-borne virus
110380003 Circoviridae
110382006 porcine circovirus
112358009 plant virus
115650001 renotropic virus

PHIN Vocabulary Domain Name : Fungal Microorganism
PHIN Vocabulary Domain Code FungalMicroorganism
PHIN Vocabulary Domain ID :12
PHIN Vocabulary Domain Definition : Fungus is a Microorganism. This domain includes the whole taxonomy of virus (e.g. Mucor Spinosus, Mildew)
PHIN Vocabulary Domain Keywords : Fungus, Fungus Microorganism, Fungus Species
Date Created :04/25/2005
Date Revised :04/25/2005
Code System Identification Status:Complete
PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:
http://www.whitehouse.gov/omb/egov/documents/lrc_and_units_full_public.doc
Consolidative Health Informatics (CHI) Domain Comments :

Living Organism codes:

CDC distributes for use the SNOMED® hierarchy **Organism:Living Organism**, containing approximately 17,000 concepts. A cross-mapping of those of public health interest to concepts found in MESH reveals adequate coverage for reporting but not case-investigation purposes of about 2500 organism. No count is readily available for the NCBI taxonomy, but the UMLS® lists approximately 107,570 concepts. No check was made to see if all of the SNOMED® organism codes correspond to NCBI codes but it is assumed they do. If that is the case, it is safe to assume that MESH forms an adequate subset for reporting purposes, SNOMED® for clinical use and NCBI for research purposes. Organisms in each should map to the same UMLS® CUI, making interchange of codesets easy.

Recommended Code System : SNOMED CT
Recommended Code System Version: 0207core
Recommended Code System Reference ID : 289924001 (Fungal Microorganism)
Recommended Code System Hyperlink :
http://nciterms.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=L-30000&bookmarktag=2
Recommended Code System Concept Enumeration: Partial list of sub-domains (This is presented for illustrative purposes only)

106554003 phylum Zygomycota
106573004 unclassified fungus
45970004 deuteromycete
87836004 ascomycete

PHIN Vocabulary Domain Name : Microbiology Subtypes

PHIN Vocabulary Domain Code: MicrobiologySubtypes

PHIN Vocabulary Domain ID :14

PHIN Vocabulary Domain Definition : Microbiology subtypes is a qualifier/ modifier for the microorganism This domain includes serotypes, serogroups, immunotypes, etc.. (e.g. "B Serotype")

PHIN Vocabulary Domain Keywords : Microbiology Subtypes (qualifier value), Qualifier for Microorganism, Microorganism qualifiers, Microorganism Modifiers, Microorganism Subtypes

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments: Serogroups and Serotypes needs to be pre-coordinated.

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/lrc_and_units_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments : N/A.

Recommended Code System : SNOMED CT

Recommended Code System Version: 0207core

Recommended Code System Reference ID : 276726000 (microbiology subtypes)

Recommended Code System Hyperlink :

http://nciterms.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=R-4280A&bookmarktag=2

Recommended Code System Concept Enumeration: Partial list of sub-domains (This is presented for illustrative purposes only)

261786002 European subtype
261792008 Far East subtype
262027002 Serosubtypes
272405002 phage types
276768000 microbiological strains
276770009 serotypes
276905006 toxin types
277234002 virus types
277251009 immunotypes
277347005 Biogroups
277536004 serogroups
277598000 streptococcal subtypes
278281004 escherichia coli subtypes
278405008 subtype serogroups

PHIN Vocabulary Domain Name : Serogroups

PHIN Vocabulary Domain Code: Serogroups

PHIN Vocabulary Domain ID :14

PHIN Vocabulary Domain Definition : List of Serogroups (microbiology subtypes). These are considered as qualifiers and need to be pre-coordinated with the microorganism. (E.g. salmonella V 66:z39:-)

PHIN Vocabulary Domain Keywords : Microbiology Serogroups, Microorganism Serogroups, Serogrouping

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments: Serogroups needs to be pre-coordinated. This list provides a list of Serogroups. This domain would be expanded to include the list of microorganism pre-coordinated with serogroups.

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/lrc_and_units_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments : N/A.

Recommended Code System : SNOMED CT

Recommended Code System Version: 0207core

Recommended Code System Reference ID : 277536004 (serogroups)

Recommended Code System Hyperlink :

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=R-4009F&bookmarktag=2

Recommended Code System Concept Enumeration: Partial list of sub-domains (This is presented for illustrative purposes only)

261380006 lion - serogroup

262012002 serogroup O1

262051007 Penner

262274003 W135

264661003 29E

278243009 serogroup L1

278244003 serogroup L2

278245002 serogroup L3

PHIN Vocabulary Domain Name : Serotypes

PHIN Vocabulary Domain Code: Serotypes

PHIN Vocabulary Domain ID :15

PHIN Vocabulary Domain Definition : List of Serotypes (microbiology subtypes). These are considered as qualifiers and need to be pre-coordinated with the microorganism. (E.g. streptococcus pneumoniae, serotype 29)

PHIN Vocabulary Domain Keywords : Microbiology Serotypes, Microorganism Serotypes, Serotyping

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments: Serotypes needs to be pre-coordinated. This list provides a list of Serotypes. This domain would be expanded to include the list of microorganism pre-coordinated with serotypes (e.g. streptococcus pneumoniae, serotype 29).

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/lrc_and_units_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments : N/A.

Recommended Code System : SNOMED CT

Recommended Code System Version: 0207core

Recommended Code System Reference ID : 276770009 (serotypes)

Recommended Code System Hyperlink :

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=R-4280F&bookmarktag=2

Recommended Code System Concept Enumeration: Partial list of sub-domains (This is presented for illustrative purposes only)

303175008 H1N1

303176009 H2N2

303178005 H3N2

303183002 1/2

303188006 3 serotypes

303189003 4 serotypes

303190007 1 serotypes

303191006 2 serotypes

261840006 IMP19

261970002 NT/C

261971003 NT/R

261972005 NT/X

264834000 H7

277435003 O serotypes

277452004 B serotypes

277477003 eponymous serotypes

277539006 SAT serotypes

278207003 A serotypes

PHIN Vocabulary Domain Name : Microorganism Toxin Types

PHIN Vocabulary Domain Code: Microorganism Toxin Types

PHIN Vocabulary Domain ID :14

PHIN Vocabulary Domain Definition : List of microorganism toxins. These are considered as qualifiers and needs to be pre-coordinated with a microorganism.

PHIN Vocabulary Domain Keywords : Microbiology Toxin Types (qualifier value), Micro Toxins, Micro Toxin Types

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments: Microorganism Toxin Types need to be pre-coordinated.

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/lrc_and_units_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments : N/A.

Recommended Code System : SNOMED CT

Recommended Code System Version: 0207core

Recommended Code System Reference ID : 276905006 (toxin types)

Recommended Code System Hyperlink :

http://nciterms.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=R-42838&bookmarktag=2

Recommended Code System Concept Enumeration: Partial list of sub-domains (This is presented for illustrative purposes only)

261781007 emetic toxin

262217001 toxigenic

262233003 TSST-1

262271006 VT1 - toxin type

262272004 VT2 - toxin type

277659003 toxin type C1

277660008 toxin type C2

277661007 toxin type C3

PHIN Vocabulary Domain Name : General Laboratory Result Comments

PHIN Vocabulary Domain Code: GeneralLaboratoryResultComments

PHIN Vocabulary Domain ID :17

PHIN Vocabulary Domain Definition : Linkage term is an attribute that could be used for general laboratory result comments.

PHIN Vocabulary Domain Keywords : General lab comments, General lab result comments.

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/lrc_and_units_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments :

Laboratory Result Comments:

No universal agreement exists for the use and contents of comments associated with laboratory results. In many cases, especially if the comment involves the condition of the sample or the inability to collect a sample, the comment has direct implications with regard to the result. In other cases, the comment provides understanding with regard to the interpretation of the result. For example the comment "Some gonorrhoea seen" is used by one laboratory as a culture result code, but the meaning is not clear. Similar ambiguous language exists in other laboratory disciplines. A professional organization needs to step forward and undertake the standardization of comments so that we can achieve better understanding when these are received.

Laboratory Result - Standard Comments:

SNOMED CT® includes many general laboratory result comments also under **Findings:Finding by Method:Test Finding:Laboratory Test Finding**. UMLS® Groups similar terms under Laboratory Test Results. In addition, other general comment codes are found in **Qualifier Value:Modifier:Linkage Term and/or Qualifier**. A count is not possible.

.

Recommended Code System : SNOMED CT

Recommended Code System Version: 0207core

Recommended Code System Reference ID : 106237007 (linkage concept)

Recommended Code System Hyperlink :

http://nciterms.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=G-C000&bookmarktag=2

Recommended Code System Concept Enumeration: Partial list of sub-domains (This is presented for illustrative purposes only)

116673000 administered substance
116674006 administers energy
116675007 associated etiology
116676008 associated morphology
263579002 septal morphology
263649004 orifice morphology
116677004 associated topography
246278005 anatomical line
260225008 plane
260726005 part
260744002 specific site
246307002 ossicle lost

260715004 alveolar site
260720004 floor of mouth site
260724008 palate site
260746000 tooth site
263557007 dominant hand
263562008 finger involved
263567002 lip site
263578005 pulp canal
246280004 arterial site
246290007 fixing eye
246294003 muscle assessed
246295002 nerve stimulated
246299008 muscle involved
246327001 venous site
260721000 liver sector involvement
263549009 apex of primary deformity
263550009 arm of chromosome
272735005 vessel
278200001 sanctuary site
279229007 trigger point site
272736006 general site
272737002 site of
246283002 site of catheter
246289003 site of electrode
246296001 site of pacemaker
246301001 site of break
246306006 site of obstruction
246310009 site of component
246311008 site in breathing system
246313006 site of fixation
246314000 site of implantation
246317007 site of sampling
246320004 site of measurement
246321000 site of recording
260719005 site of fistula/graft
260734004 side of approach
260736002 site of harvest
260738001 site of insertion
260740006 site of reconstruction
260741005 replacement fluid inflow
260742003 site of stimulation
263558002 site of entry
263559005 site of exit
263566006 site of leakage
263570003 site of connection
263577000 site of regurgitation
263586005 site of distal opening
263588006 site of fistula
263590007 site of malfunction
263592004 site of origin
263595002 site of perforation
263597005 site of referred pain
263601005 site of tumor

264921002 site of anastomosis
272739004 site of cannulation
277334000 site of intrathecal injection
277335004 site of epidural
279230002 site of radiation
281343008 site of bypass
311788003 site of access
246287001 site of drainage
246300000 site of lesion
246302008 site of detachment
246303003 site of stent
246304009 site of ectopic tumor
246305005 site of retraction
246312001 site of primary lesion
246318002 site of gradient
246324008 site of revision
260733005 site of shunt
260737006 site of incision
260743008 site of transplantation
263564009 site of fracture
263584008 site of complete cleft
263585009 site of distal bowel involved
263587001 site of duplication
263589003 site of involvement
263591006 site of neoplasm
263593009 site of overgrowth
263594003 site of pancreatic duct
263596001 site of proximal bowel involved
263598000 site of rupture
263599008 site of shortening
263600006 site of stricture
263602003 site of undergrowth
263603008 site of volvulus
277795004 site of undiversion
116678009 has measured component
116679001 has object
116680003 is a
116681004 site of maximal intensity
116682006 uses equipment
116683001 associated function
116684007 has time aspect
116685008 has property
116686009 has specimen
116687000 has scale type
116688005 procedure approach
116689002 affected animal
116690006 associated disorder
116691005 associated mechanism
116692003 condition activity
116693008 condition course
116694002 condition severity
116695001 procedure extent
116696000 procedure technique

116697009 assists
116698004 investigates
116699007 prevents
116700008 treats
116701007 associated etiologic physical agent
116702000 associated etiologic chemical
116703005 associated etiologic deficiency
116704004 associated etiologic living organism
116705003 associated etiologic living organism, direct cause
116706002 associated etiologic living organism, vector
178066000 ISA (mapping)
118168003 specimen source morphology
118169006 specimen source topography
118170007 specimen source identity
118171006 specimen procedure
118172004 associated organism
118173009 associated substance
123005000 part of
127484005 branch of
127485006 removes
127486007 removes from
127487003 introduces
127488008 introduces to
127489000 has active ingredient
129450000 has action
129453003 deficiency of
15792004 for which was done
18720000 in
19096001 with quality
149016008 MAY BE A
20401003 with
23981006 causing
25609006 has patient
25734002 with frequency
28995006 treated with
30294006 with trend
30507006 into
35362001 with type
36612008 has provider
37837009 free of
367409002 followed by
39133001 with severity
40378004 has plan
42752001 due to
367565008 intention
45169001 without
47429007 associated with
5185003 except for
54776003 controlled by
58091002 independent of
60117003 transmitted by
67780002 has assessment
68369002 brought on by

68727004 arising in
7196007 suggestive of
72589006 with staging
73907009 not free of
75958009 bounded by
77879006 metastatic to
78615007 with laterality
7883008 compatible with
79409006 resulting in
85789007 has objective observations
8707003 metastatic from
8754004 radiating to
159083000 WAS A
131195008 subject of information
363589002 associated procedure
363698007 finding site
363699004 direct device
363700003 direct morphology
363701004 direct substance
363702006 has focus
363703001 has intent
363704007 procedure site
363705008 has definitional manifestation
363706009 has recipient category
363707000 has subject of information
363708005 temporally follows
363709002 indirect morphology
363710007 indirect device
363711006 associated subcellular entity
363712004 structural embryological defect
363713009 has interpretation
363714003 interprets
363715002 associated etiologic finding
367346004 measures
246100006 onset
246112005 severity
246456000 episodicity
168666000 SAME AS
112236005 has subjective observations
103366001 with color
103367005 with consistency
103368000 with distance
103369008 with distribution
103370009 with intensity
103371008 with odor
103372001 with pattern
103373006 with size
103374000 with shape
103375004 with texture
103376003 with cleanliness
103377007 with configuration
103378002 has development
260669005 approach

260870009 priority
260908002 course
272741003 laterality
246075003 causative agent
370128002 has proprietary name
370124000 REPLACED BY
370125004 MOVED TO
370127007 access instrument
370129005 measurement Method
370130000 property
370131001 recipient category
370132008 scale type
370133003 specimen substance
370134009 time aspect
370135005 pathological process

PHIN Vocabulary Domain Name : Living Organism

PHIN Vocabulary Domain Code: LivingOrganism

PHIN Vocabulary Domain ID :18

PHIN Vocabulary Domain Definition : Root level for all the living organism. Eg.Animal, Microorganism, Plant

PHIN Vocabulary Domain Keywords : Living Organism (non-human codes), Non-human living organism, Non-human organisms,

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments: Living Organism is the root concept for Microorganism also. The scope of this domain is to include the concepts that are non-human living organisms. (E.g. Animal Species)

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/lrc_and_units_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments :

Laboratory Results - Non-Human Content:

Coverage is weak and will need through review and expansion with topic experts. It is recommended that the government partner with the American Veterinary Association to more fully support the animal portion of SNOMED® and find suitable partners for the plant and food portions. Actual food product codes are outside the scope of a terminology and will require agreement between FDA and USDA.

Additional non-human content that was not explored by the workgroup but it is important include environmental samples such as air, soil and water, storage containers, manufacturing sites, etc. While many of these types of sample are not generally involved in health information, it is to the government's benefit for common terminology to exist so that when potential health impacts occur semantic understanding is achieved. It is recommended that an interagency taskforce be formed from DoD, HHS, and EPA at a minimum to make better recommendations in this important area.

Non-human codes:

Under **Organism:Living Organism**, SNOMED® has concepts for many plants and animals. Basic food products are listed under **Substance:Dietary Substance** but have no commercial codes.

Living Organism codes:

CDC distributes for use the SNOMED® hierarchy **Organism:Living Organism**, containing approximately 17,000 concepts. A cross-mapping of those of public health interest to concepts found in MESH reveals adequate coverage for reporting but not case-investigation purposes of about 2500 organism. No count is readily available for the NCBI taxonomy, but the UMLS® lists approximately 107,570 concepts. No check was made to see if all of the SNOMED® organism codes correspond to NCBI codes but it is assumed they do. If that is the case, it is safe to assume that MESH forms an adequate subset for reporting purposes, SNOMED® for clinical use and NCBI for research purposes. Organisms in each should map to the same UMLS® CUI, making interchange of codesets easy.

Recommended Code System : SNOMED CT

Recommended Code System Version: 0207core

Recommended Code System Reference ID : 4748007 (living organism)

Recommended Code System Hyperlink :

http://nciterms.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=L-00000&bookmarktag=2

Recommended Code System Concept Enumeration: Partial list of sub-domains (This is presented for illustrative purposes only)

284666000 trophic life form
31006001 plant
39866004 animal
89088004 unknown living organism
264418008 pathogenic organism
264395009 microorganism
278306005 life-cycle form

SNOMED Expand with American Veterinary Association

PHIN Vocabulary Domain Name : Animal

PHIN Vocabulary Domain Code: Animal

PHIN Vocabulary Domain ID :19

PHIN Vocabulary Domain Definition : List of Animal species (e.g. Bird, Fish)

PHIN Vocabulary Domain Keywords : Animals, Animal (Organism)

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/lrc_and_units_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments :

Laboratory Results - Non-Human Content:

Coverage is weak and will need through review and expansion with topic experts. It is recommended that the government partner with the American Veterinary Association to more fully support the animal portion of SNOMED® and find suitable partners for the plant and food portions. Actual food product codes are outside the scope of a terminology and will require agreement between FDA and USDA.

Additional non-human content that was not explored by the workgroup but it is important include environmental samples such as air, soil and water, storage containers, manufacturing sites, etc. While many of these types of sample are not generally involved in health information, it is to the government's benefit for common terminology to exist so that when potential health impacts occur semantic understanding is achieved. It is recommended that an interagency taskforce be formed from DoD, HHS, and EPA at a minimum to make better recommendations in this important area.

Non-human codes:

Under **Organism:Living Organism**, SNOMED® has concepts for many plants and animals. Basic food products are listed under **Substance:Dietary Substance** but have no commercial codes.

Living Organism codes:

CDC distributes for use the SNOMED® hierarchy **Organism:Living Organism**, containing approximately 17,000 concepts. A cross-mapping of those of public health interest to concepts found in MESH reveals adequate coverage for reporting but not case-investigation purposes of about 2500 organism. No count is readily available for the NCBI taxonomy, but the UMLS® lists approximately 107,570 concepts. No check was made to see if all of the SNOMED® organism codes correspond to NCBI codes but it is assumed they do. If that is the case, it is safe to assume that MESH forms an adequate subset for reporting purposes, SNOMED® for clinical use and NCBI for research purposes. Organisms in each should map to the same UMLS® CUI, making interchange of codesets easy.

Recommended Code System : SNOMED CT

Recommended Code System Version: 0207core

Recommended Code System Reference ID : 39866004 (animal)

Recommended Code System Hyperlink :

http://nciterms.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=L-80010&bookmarktag=2

Recommended Code System Concept Enumeration: Partial list of sub-domains (This is presented for illustrative purposes only)

14313003 Poikilotherm

57956005 homoiotherm
272608008 **invertebrate**
 37017009 helminth
 106876000 Mollusk, jellyfish, sponge AND/OR echinoderm
 243643009 protozoan
272609000 **vertebrate**
 27439009 amphibian
 88497000 reptile
 90580008 fish
 110392003 mammal
 257527004 bird
27252002 chordate
106905001 **domestic animals**
106907009 non-domestic chordates
90580008 fish

plant: USDA & FDA

PHIN Vocabulary Domain Code: Plant

PHIN Vocabulary Domain ID :19

PHIN Vocabulary Domain Definition : List of Plants. E.g. "plant producing nitrates "

PHIN Vocabulary Domain Keywords : Plants, Plant (Organism)

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments: This domain would be expanded to include the substance (toxins) produced by plants.

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/lrc_and_units_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments :

Laboratory Results - Non-Human Content:

Coverage is weak and will need through review and expansion with topic experts. It is recommended that the government partner with the American Veterinary Association to more fully support the animal portion of SNOMED® and find suitable partners for the plant and food portions. Actual food product codes are outside the scope of a terminology and will require agreement between FDA and USDA.

Additional non-human content that was not explored by the workgroup but it is important include environmental samples such as air, soil and water, storage containers, manufacturing sites, etc. While many of these types of sample are not generally involved in health information, it is to the government's benefit for common terminology to exist so that when potential health impacts occur semantic understanding is achieved. It is recommended that an interagency taskforce be formed from DoD, HHS, and EPA at a minimum to make better recommendations in this important area.

Non-human codes:

Under **Organism:Living Organism**, SNOMED® has concepts for many plants and animals. Basic food products are listed under **Substance:Dietary Substance** but have no commercial codes.

Living Organism codes:

CDC distributes for use the SNOMED® hierarchy **Organism:Living Organism**, containing approximately 17,000 concepts. A cross-mapping of those of public health interest to concepts found in MESH reveals adequate coverage for reporting but not case-investigation purposes of about 2500 organism. No count is readily available for the NCBI taxonomy, but the UMLS® lists approximately 107,570 concepts. No check was made to see if all of the SNOMED® organism codes correspond to NCBI codes but it is assumed they do. If that is the case, it is safe to assume that MESH forms an adequate subset for reporting purposes, SNOMED® for clinical use and NCBI for research purposes. Organisms in each should map to the same UMLS® CUI, making interchange of codesets easy.

Recommended Code System : SNOMED CT

Recommended Code System Version: 0207core

Recommended Code System Reference ID : 31006001 (plant)

Recommended Code System Hyperlink :

http://nciterms.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=L-D0000&bookmarktag=2

Recommended Code System Concept Enumeration: Partial list of sub-domains (This is presented for illustrative purposes only)

311582004 Staggerweed

312430000 matricaria nigellifolia
318228008 Sudan grass
319213000 sorghum bicolor
12449004 plant producing sesquiterpene lactones
359826009 injurious plant
1359000 plant producing selenium
16804008 plant producing hallucinogen
21650006 plant producing phytotoxin
24651006 perennial plant
26090009 plant producing goitrogens
2877000 angiosperm
29977003 plant producing depressant
31393005 plant producing furanosesquiterpenoids
32306007 plant producing furocoumarins
34523000 plant producing azoxy glycoside
34676000 plant producing skin irritants
37425003 wild plant
39658005 plant producing calcinogenic agents
39685003 lower plant
39872004 plant producing enzyme inhibitor
41473004 plant producing estrogen compounds
41970007 plant producing aeroallergens
45862008 plant producing diterpene
4666008 plant producing photosensitization
46884004 vine
50535000 annual plant
50635008 plant producing cardiac glycoside
53039000 plant producing terpene
54001000 plant producing sapogenin glycoside
54327007 plant producing isoquinoline alkaloids
55001006 plant producing mitogen
567000 plant producing pyrrolizidine alkaloids
59623002 plant producing lectins
60863006 plant producing nitrates
62541001 plant producing stimulant
63010003 plant producing alkaloid
66867001 plant producing cyanogenic glycoside
67728006 plant producing triterpene
69816003 plant producing internal poisoning
70331007 plant producing anthraquinone glycoside
78115008 plant producing unclassified poison
78264005 plant producing photoallergy
78877006 plant producing phototoxicity
8213006 plant producing steroidal compounds
85127001 plant producing oxalates
88190006 plant producing quinolizidine alkaloids
89120006 gymnosperm
89147001 plant producing tannin
91131004 plant producing glycoside
9148004 plant producing mutagen
91506007 plant producing teratogen
110394002 Gigartina stellata
110395001 gelidium robustum

112591004 bush
256250000 trees and shrubs
256333004 wild flowers
256342006 grass
11388004 plant producing psychoactive agent
264338008 toxic plant
272606007 houseplants, garden ornamentals and exotics
272607003 mosses, lichens, liverworts

Recommendations Pending

Recommendations Pending: EPA

Recommendations Pending: EPA

Recommendations Pending:

Test substance Storage Containers - EPA

Recommendations Pending:

EPA - Defense

Recommendations Pending:

EPA

Hematology result codes:

Codes for hematological disorders appear focused in SNOMED CT® under the **Disease:Disease by Body Site:Disorder of Body System:Disorder of Hematopoietic System** hierarchy, as well as other areas. UMLS® places the hematological diseases in a similar hierarchy. A count of these codes is not available. Codes for various hematological cells are found primarily in the Body Structure hierarchy, Cell Structure, Blood Cell. Again, a count is not possible. UMLS® places the hematological cells in a similar hierarchy.

SNOMED CT id: 34093004

Disorder of Hematopoietic System

hyperviscosity syndrome
malignant mastocytosis
bone marrow disorder
chronic disease of hematopoietic system
acute disease of hematopoietic system
platelet disorder
AIDS with hematopoietic system disease
red blood cell disorder
congenital anomaly of the hematopoietic system
disease of spleen
white blood cell disorder
lymphosarcoma cell leukemia
blood dyscrasia puerperal
acute erythremia and erythroleukemia
hematologic neoplasm of uncertain behavior
tumor of lymphoid, hemopoietic and related tissue
malignant tumor of lymphoid hemopoietic and related tissue
chronic erythremia
T-cell mediated cytopenia
cryoglobulinemia

Findings: Clinical History and Observation Findings:General Finding of Observation of Patient:Genetic:Molecular and/or Cellular Finding:Genetic Finding:Phenotype:Blood Group Phenotype

Blood groups appear to be classified in SNOMED CT® under **Findings:Clinical History and Observation Findings:Clinical History and Observation Findings:General Finding of Observation of Patient:Genetic:Molecular and/or Cellular Finding:Genetic Finding:Phenotype:Blood Group Phenotype**. In UMLS®, these appear to also be findings, but are noted as laboratory results. A count is not possible.

SNOMED CT Id: 115940004

phenotype

blood group phenotype

ABO group phenotype

Hh blood group phenotype

Lewis blood group phenotype

I blood group phenotype

Rh blood group phenotype

P blood group phenotype

Landsteiner-Wiener phenotype

MNS blood group phenotype

Lutheran blood group phenotype

Kidd blood group phenotype

Duffy blood group phenotype

Kell blood group phenotype

Kx blood group phenotype

Colton blood group phenotype

Gerbich blood group phenotype

Cromer blood group phenotype

Chido-Rodgers blood group phenotype

Body Structure: Morphologically Altered Structure:Morphologically Abnormal Structure

Anatomical Pathology report codes:

Anatomical pathology concepts were found in previous versions of SNOMED®. The last version of SNOMED® International (V 3.5) had approximately 5,900 morphology terms. In the present version of SNOMED CT® these are found primarily in the following hierarchy: **Body Structure:Morphologically Altered Structure:Morphologically Abnormal Structure**. It is difficult to compare the completeness of the SNOMED® Terms with other terminologies due to classification differences. For example, Hodgkin lymphoma and Morbilliform rash are both found in this hierarchy of SNOMED CT®. In UMLS®, Morbilliform rash is classified as a finding and appears in six other terminologies. Hodgkin lymphoma is classified as a neoplastic process and appears in 25 other terminologies.

Anatomy forms an important part of the anatomical pathology report but the workgroup offers no recommendation as to a terminology. We note that another Workgroup, History and Physical, is charged to look into this domain. We note that one of the difficulties in an anatomy terminology is that the concepts and hierarchy are use dependant. For instance a dermatologist assigns a topology of “skin” to a demofibroma of the foot. The podiatrist would assign a topology of “foot” or something more detailed, such as “planter foot” for the same lesion. A pathologist may assign a topology of “soft tissue” to the same lesion. The Workgroup requests that others looking into anatomy take these comments into consideration.

PHIN Domain Name: Morphologically Altered Body Structure

PHIN Domain Identifier: 370

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 118956008

URL To Vocabulary Source Pointer:

http://nciterms.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=M-01001&bookmarktag=2

PHIN Domain Description: List of the morphologically altered body structure concepts. Explore the sub-domain "Morphological Abnormal Structure". (eg. Wound)

Suggested Vocabulary Domain Enumeration:

- Apoptosis (morphologic abnormality)

- Morphologically abnormal structure (morphologic abnormality)

- Structure resulting from tissue repair process (morphologic abnormality)

PHIN Domain Name: Neoplasm (Morphological Abnormality)

PHIN Domain Identifier: 451

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 108369006

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=M-8FFFF&bookm
arktag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=M-8FFFF&bookm
arktag=2)

PHIN Domain Description: List of Abnormal Anatomical Concepts (Morphological Abnormality). Neoplasm domain describes the cell type of a neoplasm, it does not describe the neoplastic disorder. (Eg. Squamous cell carcinoma)

Suggested Vocabulary Domain Enumeration:

- Acinar cell neoplasm (morphologic abnormality)
- Adnexal AND/OR skin appendage neoplasm (morphologic abnormality)
- Blood vessel tumor (morphologic abnormality)
- Bone tumor (morphologic abnormality)
- Chromaffin cell neoplasm (morphologic abnormality)
- Chronic myeloproliferative disorder (morphologic abnormality)
- Clear cell acanthoma (morphologic abnormality)
- Complex mixed AND/OR stromal neoplasm (morphologic abnormality)
- Cystic, mucinous AND/OR serous neoplasm (morphologic abnormality)
- Ductal, lobular AND/OR medullary neoplasm (morphologic abnormality)
- Epithelial neoplasm (morphologic abnormality)
- Fibroepithelial neoplasm (morphologic abnormality)
- Fibromatous neoplasm (morphologic abnormality)
- Follicular neoplasm (morphologic abnormality)
- General tumor morphologies (morphologic abnormality)
- Germ cell neoplasm (morphologic abnormality)
- Giant cell tumor (morphologic abnormality)
- Glioma (morphologic abnormality)
- Granular cell tumor AND/OR alveolar soft part sarcoma (morphologic abnormality)
- Histiocytic neoplasm (morphologic abnormality)
- Hurthle cell neoplasm (morphologic abnormality)
- Immunoproliferative morphology (morphologic abnormality)
- In situ neoplasm (morphologic abnormality)
- Islet cell neoplasm (morphologic abnormality)
- Lipomatous neoplasm (morphologic abnormality)
- Malignant neoplasm of primary, secondary, or uncertain origin (morphologic abnormality)
- Mast cell neoplasm (morphologic abnormality)
- Meningeal neoplasm (morphologic abnormality)
- Mesonephric neoplasm (morphologic abnormality)
- Mesothelial neoplasm (morphologic abnormality)
- Mucoepidermoid neoplasm (morphologic abnormality)
- Myelodysplastic syndrome (morphologic abnormality)
- Myomatous neoplasm (morphologic abnormality)
- Myxomatous neoplasm (morphologic abnormality)
- Neoplasm of perivascular myoid type - category (morphologic abnormality)
- Neoplasm, benign (morphologic abnormality)
- Neoplasm, uncertain whether benign or malignant (morphologic abnormality)
- Nervous system tumor morphology (morphologic abnormality)
- Neuroendocrine neoplasm (morphologic abnormality)
- Neuroepitheliomatous neoplasm (morphologic abnormality)
- Nevus AND/OR melanoma (morphologic abnormality)
- Odontogenic neoplasm (morphologic abnormality)
- Osseous AND/OR chondromatous neoplasm (morphologic abnormality)
- Plasma cell neoplasm (morphologic abnormality)
- Reticuloendothelial tumor morphology (morphologic abnormality)
- Soft tissue tumor AND/OR sarcoma (morphologic abnormality)
- Specialized gonadal neoplasm (morphologic abnormality)
- Synovial like neoplasm (morphologic abnormality)

Trophoblastic neoplasm (morphologic abnormality)
Veterinary tumor (morphologic abnormality)
[M]Miscellaneous tumor (morphologic abnormality)
[M]Neoplasm morphology NOS (morphologic abnormality)
[M]Neoplasms NOS (morphologic abnormality)
[M]No microscopic confirmation of tumor (morphologic abnormality)

PHIN Domain Name: Mass

PHIN Domain Identifier: 454

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 4147007

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=M-03000&bookmarktag=2

PHIN Domain Description: Mass is a morphological abnormality. This domain tells the characteristics of a mass (Single, Ulcerated, Soft mass). This domain does not include the disease / disorder of mass (cancer)

Suggested Vocabulary Domain Enumeration:

- Firm mass (morphologic abnormality)
- Fluctuant mass (morphologic abnormality)
- Focal enlargement (morphologic abnormality)
- Multiple masses (morphologic abnormality)
- Neoplasm (morphologic abnormality)
- Nodosity (morphologic abnormality)
- Nodule (morphologic abnormality)
- Pad (morphologic abnormality)
- Pimple (morphologic abnormality)
- Polyp (morphologic abnormality)
- Progonoma (morphologic abnormality)
- Smooth mass (morphologic abnormality)
- Soft mass (morphologic abnormality)
- Soft tissue mass (morphologic abnormality)
- Solitary mass (morphologic abnormality)
- Space-occupying mass (morphologic abnormality)
- Torus (morphologic abnormality)
- Ulcerated mass (morphologic abnormality)
- Vascular nevus (morphologic abnormality)
- Verrucous mass (morphologic abnormality)

PHIN Domain Name: Inflammation

PHIN Domain Identifier: 452

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 23583003

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=M-40000&bookmarktag=2

PHIN Domain Description: List of Abnormal Anatomical Concepts (Morphological Abnormality). Eg. Abscess, Cellulitis

Suggested Vocabulary Domain Enumeration:

Abscess (morphologic abnormality)

Abscess cavity (morphologic abnormality)

Acute and chronic inflammation (morphologic abnormality)

Acute inflammation (morphologic abnormality)

Atypical inflammation (morphologic abnormality)

Bubo (morphologic abnormality)

Cellulitis (morphologic abnormality)

Chancre (morphologic abnormality)

Chronic inflammation (morphologic abnormality)

Confluent inflammation (morphologic abnormality)

Cystic inflammation (morphologic abnormality)

Diffuse inflammation (morphologic abnormality)

Disseminated inflammation (morphologic abnormality)

Diverticulitis (morphologic abnormality)

Durck's nodule (morphologic abnormality)

Exudative inflammation (morphologic abnormality)

Fibrinous inflammation [dup] (morphologic abnormality)

Focal inflammation (morphologic abnormality)

Granulomatous inflammation (morphologic abnormality)

Healed inflammation (morphologic abnormality)

Hemorrhagic inflammation (morphologic abnormality)

Inflamed polyp (morphologic abnormality)

Inflammation with stasis (morphologic abnormality)

Inflammatory cavity (morphologic abnormality)

Inflammatory fistula (morphologic abnormality)

Inflammatory thrombosis (morphologic abnormality)

Interstitial inflammation (morphologic abnormality)

Membranous inflammation (morphologic abnormality)

Mild inflammation (morphologic abnormality)

Moderate inflammation (morphologic abnormality)

Mucous inflammation (morphologic abnormality)

Multifocal inflammation (morphologic abnormality)

Necrotizing inflammation (morphologic abnormality)

Nonsuppurative inflammation (morphologic abnormality)

Organizing inflammation (morphologic abnormality)

Pannus (morphologic abnormality)

Perivascular inflammation (morphologic abnormality)

Persistent inflammation (morphologic abnormality)

Postinfection inflammation (morphologic abnormality)

Progressive inflammation (morphologic abnormality)

Purulent (morphologic abnormality)

Pus (morphologic abnormality)

Radiation injury with inflammation (morphologic abnormality)

Reactive cellular changes associated with inflammation (morphologic abnormality)

Recurrent inflammation (morphologic abnormality)

Regenerative inflammation (morphologic abnormality)

Resorption of inflammation (morphologic abnormality)

Rheumatic inflammation (morphologic abnormality)

Serofibrinous inflammation (morphologic abnormality)

Serous inflammation (morphologic abnormality)
Severe inflammation (morphologic abnormality)
Subsiding inflammation (morphologic abnormality)
Suppurative inflammation (morphologic abnormality)
Syncytial endometritis (morphologic abnormality)
Ulcerative inflammation (morphologic abnormality)
Vesicular inflammation (morphologic abnormality)

PHIN Domain Name: Wound

PHIN Domain Identifier: 552

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 13924000

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=M-14000&bookm
arktag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=M-14000&bookm
arktag=2)

PHIN Domain Description: List of concepts related Wound (Morphologic abnormality) Eg. Crush wound, Open wound

Suggested Vocabulary Domain Enumeration:

- Abrasion (morphologic abnormality)
- Abscess of wound (morphologic abnormality)
- Amputation wound (morphologic abnormality)
- Antemortem wound (morphologic abnormality)
- Avulsion (morphologic abnormality)
- Bite (morphologic abnormality)
- Contusion - lesion (morphologic abnormality)
- Crush - wound (morphologic abnormality)
- Deep wound (morphologic abnormality)
- Draining wound (morphologic abnormality)
- Foreign body in wound (morphologic abnormality)
- Gunshot wound (morphologic abnormality)
- Hesitation wounds (morphologic abnormality)
- Incised wound - morphology (morphologic abnormality)
- Laceration (morphologic abnormality)
- Missile wound (morphologic abnormality)
- Multiple wounds (morphologic abnormality)
- Mutilating wound (morphologic abnormality)
- Open wound (morphologic abnormality)
- Penetrating wound (morphologic abnormality)
- Perforating wound (morphologic abnormality)
- Postmortem wound (morphologic abnormality)
- Puncture (morphologic abnormality)
- Sprain (morphologic abnormality)
- Stab wound (morphologic abnormality)
- Superficial wound (morphologic abnormality)
- Surgical wound (morphologic abnormality)
- Traumatic blister (morphologic abnormality)
- Wound, closed (morphologic abnormality)
- Wound, healed (morphologic abnormality)
- Wound, non-healed (morphologic abnormality)
- Wound, recent (morphologic abnormality)
- Wound, spontaneous (morphologic abnormality)

PHIN Domain Name: Traumatic abnormality

PHIN Domain Identifier: 512

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 19130008

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=M-10000&bookm
arktag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=M-10000&bookm
arktag=2)

PHIN Domain Description: List of concepts related to Traumatic abnormality (eg. Sports Injury, Accidental Injury)

Suggested Vocabulary Domain Enumeration:

Accidental injury (morphologic abnormality)

Intentional injury (morphologic abnormality)

Occupational injury (morphologic abnormality)

Self-inflicted injury (morphologic abnormality)

Sports injury (morphologic abnormality)

Traumatic abnormality by extent/number (morphologic abnormality)

Traumatic abnormality by mechanism (morphologic abnormality)

Traumatic abnormality by morphology (morphologic abnormality)

Traumatic abnormality by timing (morphologic abnormality)

PHIN Vocabulary Domain Name :Specimen

PHIN Vocabulary Domain Code *Specimen*

PHIN Vocabulary Domain ID :3

PHIN Vocabulary Domain Definition : List of concepts that are related to Specimen sample (E.g. Saliva, Urine, Bone)

PHIN Vocabulary Domain Keywords : Specimen Source, Specimen , Specimen Sample

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/lrc_and_units_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: N/A

Recommended Code System : SNOMED CT

Recommended Code System Version: Jan 2005

Recommended Code System Reference ID : 123038009

Recommended Code System Hyperlink :

Recommended Code System Concept Enumeration: Complete

(This is presented for illustrative purposes only)

138875005 SNOMED CT Concept

123038009 specimen

119321005 milk specimen

119346005 egg yolk specimen

119365002 specimen from wound

119367005 specimen from burn injury

119368000 specimen from cyst

119369008 specimen from ulcer

119370009 specimen from fistula

119371008 specimen from abscess

119372001 body fluid specimen

119376003 tissue specimen

119383005 specimen from liver

119389009 specimen from throat

119392008 specimen from anus

119394009 specimen from vagina

119395005 specimen from uterine cervix

119397002 specimen from penis

119399004 specimen from eye

119402003 specimen from ear

119403008 specimen from placenta

122568004 exudate specimen from wound

122580007 cerumen specimen

127465007 specimen from gastrointestinal tract

127469001 specimen from pancreas

127473003 specimen from kidney

127476006 specimen from fallopian tube

127477002 specimen from thyroid

127479004 specimen from uterus
128154006 specimen from testis
128155007 specimen from ovary
40511003 eluate
363311008 specimen from digestive system
271360006 pathology sample
371780008 specimen for identification

PHIN Vocabulary Domain Name :Specimen Collection

PHIN Vocabulary Domain Code *SpecimenCollection*

PHIN Vocabulary Domain ID :4

PHIN Vocabulary Domain Definition : Specimen Collection is a laboratory procedure (eg. Collection of mid-stream urine)

PHIN Vocabulary Domain Keywords : Specimen collection procedure, Spec. Collection, Sample collection.

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status:Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink: N/A

Consolidative Health Informatics (CHI) Domain Comments: N/A

Recommended Code System : SNOMED CT

Recommended Code System Version: 0207^{core}

Recommended Code System Reference ID : 17636008

Recommended Code System Hyperlink :

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=P3-02000&bookmarktag=2

Recommended Code System Concept Enumeration: Partial list of sub-domains (This is presented for illustrative purposes only)

285579008 taking swab from body site
285580006 taking swab for specific organism
310216004 collection of sample from mouth
21217000 collection of pinworm specimen
28520004 Venipuncture for blood test
31507001 specimen collection for microbiology
34532003 semen specimen collection
37705003 collection of sputum
44733008 collection of string test
50576009 specimen collection by drainage
57617002 urine specimen collection
64860001 collection of sweat test
66904006 collection of expired gas, quantitative
67737006 rumen fluid collection and examination
70347009 collection of specimen for culture by laboratory
71894004 radiologic guidance for percutaneous specimen collection
82078001 collection of blood specimen for laboratory
225105004 collection of stool specimen
225711009 collection of nasal pharyngeal aspirate
115985003 sweat collection by iontophoresis procedure

PHIN Domain Information:

Domain Name: Anatomy

Domain Id:7

Definition (Scope):

To describe anatomical locations for clinical, surgical, pathological and research purposes.

Date Created:05/09/2005

Date Revised: 05/09/2005

Standard Vocabulary Identification Status: Complete

PHIN Comments:

See the comments from CHI regarding the cell structure and post-coordination.

CHI Comments:

RECOMMENDATION

SNOMED CT® and the NCI Thesaurus is recommended for Anatomy.

Describe the specific purpose/primary use of this standard in the federal health care sector (100 words or less)

Anatomy

Used to describe anatomical locations for the following purposes:

Clinical

Site of a procedure such as:

Source of culture specimen

Surgical site

Location of blood pressure, temperature, other measurement

Etc.

Location of an observation such as:

Site of fracture

Site of injury

Etc.

Surgical:

Precise anatomical structure involved in procedure

Pathology:

Detailed gross description of item observed

Cellular description of item observed

Research:

Uses many clinical terms

Subcellular components

The specific locations in the SNOMED CT® hierarchy that form the basis of our recommendation are:

Body structure:acquired body structure

Body structure:acquired body structure:post-surgical anatomy

Body structure:anatomical concepts:combined site

Body structure:anatomical concepts:physical anatomical entity:anatomical spatial entity

Body structure:anatomical concepts:physical anatomical entity:anatomical structure

Body structure:anatomical concepts:physical surface topography

Body structure:morphologically altered structure

For modifier terms not pre-coordinated above:

Qualifier Value:Additional Values
Qualifier Value:Modifer and/or Qualifier

NCI Thesaurus:

NCI Thesaurus extends present anatomy terminologies into subcelluar structures that are required for research and is primarily recommended for that purpose.

Gap

The Workgroup also notes that many anatomy concepts require the post-coordination of modifier terms to anatomical concepts. At present, a common, understandable way of post-coordinating terms does not exist. An example of an anatomical term that will require post-coordination rules to be understood is “Status post colonoscopy and polypectomy adenomatous polyp 1.5 cm at 10 cm in sigmoid colon, benign.” Until rules are developed for post-coordination , full use of an anatomy terminology will be limited. This gap has already been noted to the National Committee of Vital and Health Statistics as part of their investigations into Patient Medical Record Information terminologies.

PHIN Domain Name: Anatomical Concepts

PHIN Domain Identifier: 369

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 257728006

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=T-D0148&bookmarktag=2

PHIN Domain Description: List of all the normal anatomical body structure (excluding the morphologically altered body structure). Important sub-domains to explore are: (a) Combined site (b) Physical Anatomical Entity

Suggested Vocabulary Domain Enumeration:

Anatomical site notations for tumor staging (body structure)

Combined site (body structure)

Histological tissue (body structure)

Normal anatomy (body structure)

Physical anatomical entity (body structure)

Subsidiary classification of laterality and operation sites (body structure)

Surface topography (body structure)

Topography not assigned (body structure)

PHIN Domain Name: Body Region Structure

PHIN Domain Identifier: 443

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 52530000

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=T-D0000&bookmarktag=2

PHIN Domain Description: List of Anatomical Concepts - Body Region Structure (E.g. Back)

Suggested Vocabulary Domain Enumeration:

- Apical region of polarized cell (cell structure)
- Back structure, including back of neck (body structure)
- Basal region of polarized cell (cell structure)
- Body internal region (body structure)
- Body part structure (body structure)
- Body region wall (body structure)
- Body surface area (body structure)
- Central region of cell (cell structure)
- Centrosome (cell structure)
- Entire body region (body structure)
- External body orifice (body structure)
- Fetlock region of forelimb (body structure)
- Ill-defined topographic site (body structure)
- Infranuclear region of polarized cell (cell structure)
- Lateral region of polarized cell (cell structure)
- Perinuclear region of cell (cell structure)
- Peripheral region of cell (cell structure)
- Skin AND subcutaneous tissue structure (body structure)
- Structure of half of body (body structure)
- Structure of multiple topographic sites (body structure)
- Supranuclear region of polarized cell (cell structure)
- Surface region (body structure)
- Topography not applicable (body structure)
- Topography unknown (body structure)

PHIN Domain Name: Body Organ Structure

PHIN Domain Identifier: 444

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 113343008

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=T-D0060&bookma
rhtag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=T-D0060&bookma
rhtag=2)

PHIN Domain Description: List of Anatomical Concepts - Body Organ Structure (Eg. Gall Bladder)

Suggested Vocabulary Domain Enumeration:

- Blood vessel structure (body structure)
- Bone marrow structure (body structure)
- Bone structure (body structure)
- Breast structure (body structure)
- Digestive organ structure (body structure)
- Duct (organ) structure (body structure)
- Entire body organ (body structure)
- Fascial structure (body structure)
- Female genital organ structure (body structure)
- Gas bladder (body structure)
- Gill (body structure)
- Gland structure (body structure)
- Joint structure (body structure)
- Laryngeal structure (body structure)
- Lymphoid organ structure (body structure)
- Male genital organ structure (body structure)
- Normal fat pad (body structure)
- Organ cavity structure (body structure)
- Organ part (body structure)
- Serous sac structure (body structure)
- Skeletal and/or smooth muscle structure (body structure)
- Skin structure (body structure)
- Structure of ligament (body structure)
- Structure of nervous system organ AND/OR special sense organ (body structure)
- Structure of viscus (body structure)
- Ureteric structure (body structure)
- Urethral structure (body structure)

PHIN Domain Name: Body System Structure

PHIN Domain Identifier: 445

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 91689009

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=T-D0046&bookmarktag=2

PHIN Domain Description: List of Anatomical Concepts -Body System Structure (Respiratory System Structure)

Suggested Vocabulary Domain Enumeration:

- Breast and/or endocrine structures (body structure)
- Cardiovascular structure (body structure)
- Digestive structure (body structure)
- Endocrine structure (body structure)
- Entire body system (body structure)
- Hematological system (body structure)
- Immune system structure (body structure)
- Integumentary system structure (body structure)
- Lung and/or mediastinal structures (body structure)
- Lymphatic system structure (body structure)
- Lymphoreticular structure (body structure)
- Mouth and/or pharynx structures (body structure)
- Mouth, esophagus and stomach structures (body structure)
- Musculoskeletal structure (body structure)
- Organ system subdivision (body structure)
- Reproductive anatomical structure (body structure)
- Respiratory and/or intrathoracic structures (body structure)
- Respiratory system structure (body structure)
- Skin and/or surface epithelial structure (body structure)
- Structure of nervous system organ AND/OR special sense organ (body structure)
- Structure of special senses organ system (body structure)
- Urogenital structure (body structure)

PHIN Domain Name: Body Wall Structure

PHIN Domain Identifier: 446

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 280542007

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=T-D2014&bookmarktag=2

PHIN Domain Description: Anatomical Concepts - Body Wall Structure (Eg. Chest wall)

Suggested Vocabulary Domain Enumeration:

Abdominal wall structure (body structure)

Body region wall (body structure)

Chest wall structure (body structure)

Entire body wall (body structure)

Pelvic wall structure (body structure)

PHIN Domain Name: Body Space

PHIN Domain Identifier: 447

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 2969000

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=T-D0090&bookma
rhtag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=T-D0090&bookma
rhtag=2)

PHIN Domain Description: List of Anatomical Concepts - Body Space Structure (Eg. Intercostal space -
Space between the ribs)

Suggested Vocabulary Domain Enumeration:

- Body cavity structure (body structure)
- Cartilage canal (body structure)
- Embrasure (body structure)
- Entire body space (body structure)
- Extracellular space (body structure)
- Female genital spaces (body structure)
- Golgi vacuole (cell structure)
- Intercellular space (body structure)
- Interglobular spaces of tooth (body structure)
- Major pelvis structure (body structure)
- Male genital spaces (body structure)
- Minor pelvis structure (body structure)
- Organ cavity structure (body structure)
- Retroperitoneal structure (body structure)
- Structure of body compartment (body structure)
- Structure of body conduit (body structure)
- Structure of episcleral space (body structure)
- Structure of intercostal space (body structure)
- Structure of intervertebral space (body structure)
- Structure of lateral pharyngeal space (body structure)
- Structure of meningeal spaces (body structure)
- Structure of orbital opening (body structure)
- Structure of perivascular space (body structure)
- Structure of subchorionic space (body structure)
- Subperiosteum (body structure)
- Urinary tract spaces (body structure)

PHIN Domain Name: Body Tissue Structure

PHIN Domain Identifier: 448

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 85756007

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=T-D0050&bookmarktag=2

PHIN Domain Description: Anatomical Concepts - Body Tissue Structure (Eg. Heart Tissue, Muscle Tissue)

Suggested Vocabulary Domain Enumeration:

- Animal tissue (body structure)
- Aortic internal elastic membrane (body structure)
- Basal membrane of semicircular duct (body structure)
- Basement membrane (body structure)
- Bone (tissue) structure (body structure)
- Cardiac tissue (body structure)
- Cere (body structure)
- Cerebellar white matter structure (body structure)
- Complex structure derived from epithelium (body structure)
- Connective tissue microfibrils (cell structure)
- Ectodermal layer of pars tensa of tympanic membrane (body structure)
- Elastic fiber, amorphous component (cell structure)
- Endocrine tissue structure (body structure)
- Endothelium (body structure)
- Entire body tissue (body structure)
- Entodermal layer of pars tensa of tympanic membrane (body structure)
- Ependyma (body structure)
- Epithelium (body structure)
- Extracellular space of nervous system (body structure)
- Glia (body structure)
- Hassal's corpuscle (body structure)
- Heart tissue (body structure)
- Heart valve tissue (body structure)
- Lamina propria mucosae (body structure)
- Lymphocytic tissue structure (body structure)
- Mesenchymatous layer of pars tensa of tympanic membrane (body structure)
- Muscle tissue (body structure)
- Nervous tissue (body structure)
- Neural tissue (body structure)
- Organ parenchyma (body structure)
- Pars ciliaris of retina (body structure)
- Pericardium tissue (body structure)
- Perimysium (body structure)
- Perirenal tissue structure (body structure)
- Perivesicular tissue of urinary bladder (body structure)
- Pigment tissue (body structure)
- Retrocecal tissue (body structure)
- Skeletal tissue (body structure)
- Skin tissue (body structure)
- Soft tissues (body structure)
- Space of Mall (body structure)
- Stratum granulosum (body structure)
- Structure of corneal endothelium (body structure)
- Structure of cumulus oophorus (body structure)
- Structure of cuticular layer of hair (body structure)
- Structure of cytotrophoblast (body structure)
- Structure of erythropoietic tissue (body structure)
- Structure of fetal chondrification center (body structure)
- Structure of ganglion cell layer of retina (body structure)
- Structure of inner granular layer of cerebellar cortex (body structure)

Structure of inner nuclear layer of retina (body structure)
Structure of inner plexiform layer of retina (body structure)
Structure of internal lamina of choroid (body structure)
Structure of lamina choriocapillaris (body structure)
Structure of lamina vasculosa of choroid (body structure)
Structure of ligament AND/OR fascia (body structure)
Structure of molecular layer of cerebellar cortex (body structure)
Structure of myelopoietic tissue (body structure)
Structure of nerve fiber layer of retina (body structure)
Structure of neuroepithelial layer of retina (body structure)
Structure of outer granular layer of cerebellar cortex (body structure)
Structure of outer nuclear layer of retina (body structure)
Structure of outer plexiform layer of retina (body structure)
Structure of pars plana (body structure)
Structure of peri-ileal tissue (body structure)
Structure of periaortic tissue (body structure)
Structure of periappendiceal tissue (body structure)
Structure of peribronchial tissue (body structure)
Structure of peribronchiolar tissue (body structure)
Structure of periduodenal tissue (body structure)
Structure of periepididymal tissue (body structure)
Structure of periesophageal tissue (body structure)
Structure of periorbital tissue (body structure)
Structure of peripancreatic tissue (body structure)
Structure of periprostatic tissue (body structure)
Structure of peritonsillar tissue (body structure)
Structure of peritracheal tissue (body structure)
Structure of perivesicular tissues of seminal vesicles (body structure)
Structure of prostatic glandular tissue (body structure)
Structure of purkinje cell layer of cerebellar cortex (body structure)
Structure of purkinje fibers (body structure)
Structure of retropancreatic tissue (body structure)
Structure of stratum granulosum of ovarian follicle (body structure)
Structure of stratum intermedium of choroid proper (body structure)
Structure of stroma of iris (body structure)
Structure of subserous tissue of peritoneum (body structure)
Structure of syncytial trophoblast (body structure)
Structure of virchow-Robin space (body structure)
Subserosa (body structure)
Synovial tissue of joint OR tendon sheath OR aponeurosis (body structure)
Tapetum lucidum (body structure)
Theca folliculi structure (body structure)
Tunica submucosa (body structure)

PHIN Domain Name: Body Part Structure

PHIN Domain Identifier: 510

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 38866009

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=T-D0011&bookmarktag=2

PHIN Domain Description: Body Part Structure - Anatomical Concepts

Suggested Vocabulary Domain Enumeration:

Body part subdivision (body structure)

Entire body part (body structure)

Limb structure (body structure)

Lower body structure (body structure)

Trunk structure (body structure)

Upper body structure (body structure)

PHIN Domain Name: Developmental Body Structure

PHIN Domain Identifier: 450

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 308762002

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=T-D0161&bookmarktag=2

PHIN Domain Description: Anatomical Concepts - Developmental Body Structure (Eg. Embryonic structure)

Suggested Vocabulary Domain Enumeration:

Embryonic structure (body structure)

Extra-embryonic structure (body structure)

Fetal structure (body structure)

Pre-embryonic structure (body structure)

PHIN Domain Name: Fetal Structure

PHIN Domain Identifier: 511

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 55460000

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=T-F5201&bookmarktag=2

PHIN Domain Description: List of concepts related to Fetal Structure (Fetus).

Suggested Vocabulary Domain Enumeration:

Entire fetus (body structure)

Fetal part (body structure)

Structure of abortus (body structure)

Structure of fetus stage 10 (body structure)

Structure of fetus under 500gms (body structure)

Structure of full term fetus, age 36-42 weeks (body structure)

Structure of paraphyseal body (body structure)

Structure of postmature fetus, age over 42 weeks (body structure)

Structure of premature fetus, age 33-35 weeks (body structure)

Vernix caseosa (body structure)

PHIN Domain Name: Cell Structure

PHIN Domain Identifier: 449

Suggested Vocabulary Source Name: NCI (National Cancer Institute)

Suggested Vocabulary Source Pointer Id: C14135

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=NCI_Thesaurus&code=C14135&bookm
arktag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=NCI_Thesaurus&code=C14135&bookm
arktag=2)

PHIN Domain Description: Anatomical Concepts - Cell Structure

Suggested Vocabulary Domain Enumeration:

Cell Surface

Cellular Membrane

Cytoplasm

Nucleus

Subcellular Structure

PHIN Domain Name: Sidedness

PHIN Domain Identifier: 513

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 277806003

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=R-400D5&bookm
arktag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=R-400D5&bookm
arktag=2)

PHIN Domain Description: Sidedness domain is list of modifier/ qualifier for the anatomical concepts.

Suggested Vocabulary Domain Enumeration:

Contralateral (qualifier value)

Dominant side (qualifier value)

Ipsilateral (qualifier value)

Left sided (qualifier value)

Non-dominant side (qualifier value)

Right sided (qualifier value)

PHIN Domain Name: Relative Sites

PHIN Domain Identifier: 456

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 272424004

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=R-4084E&bookmarktag=2

PHIN Domain Description: Relative Sites domain has concepts that would modify the anatomical concepts (eg. Sidedness)

Suggested Vocabulary Domain Enumeration:

- Anatomical part descriptor (qualifier value)
- Anatomical relationship descriptor (qualifier value)
- Cardiac imaging views (qualifier value)
- Clockface position (qualifier value)
- General site descriptor (qualifier value)
- Limited structures (qualifier value)
- Projection (qualifier value)
- Side (qualifier value)
- Sidedness (qualifier value)
- Specific site descriptor (qualifier value)
- Vectors (qualifier value)
- Via values (qualifier value)
- Whole body structures (qualifier value)

PHIN Domain Name: General site descriptor

PHIN Domain Identifier: 514

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 272425003

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=R-4084F&bookm
arktag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=R-4084F&bookm
arktag=2)

PHIN Domain Description: General Site descriptor has modifiers that could modify the anatomical concepts /
body structure.

Suggested Vocabulary Domain Enumeration:

Afferent (qualifier value)
Anterior (qualifier value)
Apical (qualifier value)
Basal (qualifier value)
Bicoronal (qualifier value)
Common (qualifier value)
Contiguous (qualifier value)
Deep (qualifier value)
Distal (qualifier value)
Dorsal (qualifier value)
Ectopic (qualifier value)
Efferent (qualifier value)
Exteriorized (qualifier value)
External (qualifier value)
Extracellular (qualifier value)
Foraminal (qualifier value)
Heterotopic (qualifier value)
High - site descriptor (qualifier value)
Inferior (qualifier value)
Internal (qualifier value)
Intracellular (qualifier value)
Juxta-posed (qualifier value)
Lateral (qualifier value)
Long axis (qualifier value)
Longitudinal (qualifier value)
Low - site descriptor (qualifier value)
Lower (qualifier value)
Marginal (qualifier value)
Medial (qualifier value)
Median (qualifier value)
Mid (qualifier value)
Mid-longitudinal (qualifier value)
Mid-zone (qualifier value)
Mural (qualifier value)
Off axis (qualifier value)
Orthotopic (qualifier value)
Ostium (qualifier value)
Parasagittal (qualifier value)
Peripheral (qualifier value)
Postaxial (qualifier value)
Posterior (qualifier value)
Preaxial (qualifier value)
Proximal (qualifier value)
Segmental (qualifier value)
Separate (qualifier value)
Septal (qualifier value)
Short axis (qualifier value)
Superficial (qualifier value)
Superior (qualifier value)

Transverse (qualifier value)
Upper (qualifier value)
Vertical (qualifier value)

PHIN Domain Name: Specific Site Descriptor

PHIN Domain Identifier: 515

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 272426002

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=R-40850&bookmarktag=2

PHIN Domain Description: Specific Site Descriptor (qualifier value) for the anatomical concepts. (eg. Rectal, Oral)

Suggested Vocabulary Domain Enumeration:

- Cardiovascular site descriptor (qualifier value)
- Caudal (qualifier value)
- Cellular descriptor (qualifier value)
- Cephalic (qualifier value)
- Core (qualifier value)
- Developmental site descriptor (qualifier value)
- Digestive site descriptor (qualifier value)
- Ear site descriptor (qualifier value)
- Endocrine site descriptor (qualifier value)
- Eye site descriptor (qualifier value)
- Genital site descriptor (qualifier value)
- Histological descriptor (qualifier value)
- Limbal (qualifier value)
- Lymphoreticular (qualifier value)
- Nervous system descriptor (qualifier value)
- Oral site descriptor (qualifier value)
- Regional site descriptor (qualifier value)
- Respiratory site descriptor (qualifier value)
- Sinusoidal (qualifier value)
- Skeletal site descriptor (qualifier value)
- Urinary site descriptor (qualifier value)
- Visceral (qualifier value)

PHIN Domain Name: Anatomical part descriptor

PHIN Domain Identifier: 516

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 272427006

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=R-40851&bookmarktag=2

PHIN Domain Description: Anatomical part descriptor (qualifier value), modifier for the anatomical concepts.

Suggested Vocabulary Domain Enumeration:

Anatomical third (qualifier value)

Column structure (qualifier value)

Part structure (qualifier value)

Segment structure (qualifier value)

Wall structure (qualifier value)

PHIN Domain Name: Anatomical relationship descriptor

PHIN Domain Identifier: 517

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 272434008

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=R-40858&bookmarktag=2

PHIN Domain Description: Anatomical relationship descriptor (qualifier value), modifier for the anatomical concepts.

Suggested Vocabulary Domain Enumeration:

- Above locations (qualifier value)
- Anterior locations (qualifier value)
- Between locations (qualifier value)
- Centri-location (qualifier value)
- Circum-location (qualifier value)
- Deep locations (qualifier value)
- Distal locations (qualifier value)
- Endo-location (qualifier value)
- Epi-location (qualifier value)
- Extra-location (qualifier value)
- Infra-location (qualifier value)
- Inter-location (qualifier value)
- Intra-location (qualifier value)
- Mid-location (qualifier value)
- Miscellaneous location (qualifier value)
- Overlapping sites (qualifier value)
- Pan-location (qualifier value)
- Para-location (qualifier value)
- Per-location (qualifier value)
- Peri-location (qualifier value)
- Post-location (qualifier value)
- Posterior locations (qualifier value)
- Pre-location (qualifier value)
- Proximal locations (qualifier value)
- Retro-location (qualifier value)
- Sub-location (qualifier value)
- Superficial locations (qualifier value)
- Supra-location (qualifier value)

PHIN Domain Name: Topographical Modifier

PHIN Domain Identifier: 455

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 106233006

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=G-A1F8&bookmarktag=2

PHIN Domain Description: Topographical modifier domain has concepts that modify the anatomical concepts (eg. Superficial, Deep, Behind, Below)

Suggested Vocabulary Domain Enumeration:

Afferent (qualifier value)
Along edge (qualifier value)
Angular (qualifier value)
Apical (qualifier value)
Arcuate (qualifier value)
Area (qualifier value)
Axial (qualifier value)
Basal (qualifier value)
Behind (qualifier value)
Below (qualifier value)
Bent (qualifier value)
Capsular (qualifier value)
Caudal (qualifier value)
Central (qualifier value)
Cephalic (qualifier value)
Circular (qualifier value)
Coronal (qualifier value)
Curved (qualifier value)
Cylindrical (qualifier value)
Deep (qualifier value)
Distal (qualifier value)
Efferent (qualifier value)
Extra-articular (qualifier value)
Extracellular (qualifier value)
Gutter (qualifier value)
Hemispheric (qualifier value)
Horizontal (qualifier value)
Intermediate (qualifier value)
Intra-articular (qualifier value)
Intracellular (qualifier value)
Junctional (qualifier value)
Juxta-posed (qualifier value)
Lateral (qualifier value)
Left (qualifier value)
Left curve (qualifier value)
Linear (qualifier value)
Long axis (qualifier value)
Longitudinal (qualifier value)
Major Axis (qualifier value)
Mid-longitudinal (qualifier value)
Minor Axis (qualifier value)
Off axis (qualifier value)
Over (qualifier value)
Parasagittal (qualifier value)
Perimeter (qualifier value)
Peripheral (qualifier value)
Perpendicular axis (qualifier value)
Portal (qualifier value)
Postaxial (qualifier value)

Preaxial (qualifier value)
Proximal (qualifier value)
Quadrangular (qualifier value)
Radius (qualifier value)
Rectangular (qualifier value)
Regional (qualifier value)
Remote (qualifier value)
Rhomboid (qualifier value)
Right (qualifier value)
Right and left (qualifier value)
Right curve (qualifier value)
Saccular (qualifier value)
Sagittal (qualifier value)
Sectional (qualifier value)
Segmental (qualifier value)
Short axis (qualifier value)
Site (qualifier value)
Spiral (qualifier value)
Square (qualifier value)
Stellate (qualifier value)
Straddling (qualifier value)
Subcapsular (qualifier value)
Superficial (qualifier value)
Supra- (qualifier value)
Surface (qualifier value)
Surrounding (qualifier value)
Transgastric (qualifier value)
Transmural (qualifier value)
Transpancreatic (qualifier value)
Transpleural (qualifier value)
Transrenal (qualifier value)
Transsplenic (qualifier value)
Transtemporal (qualifier value)
Transthecal (qualifier value)
Transverse (qualifier value)
Transvesical (qualifier value)
Triangular (qualifier value)
Unilateral (qualifier value)
Upward (qualifier value)
Vertical (qualifier value)

PHIN Domain Name: **Injury**

PHIN Domain Identifier: 8

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 122549002

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DD-00001&book
marktag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DD-00001&bookmarktag=2)

PHIN Domain Description: List of sub-domains related to Injury. Important sub-domains related to Injury are as follows: Injury by causative force (disorder) , Foreign body (disorder) , Injury and poisoning NOS (disorder) , Injury by mechanism (disorder) , Injury due to exposure to external cause (disorder) , Injury of anatomical site (disorder) , Occupational injury (disorder) , Wound abscess (disorder) , Wound cellulitis (disorder)

Suggested Vocabulary Domain Enumeration:

- Asphyxiation and strangulation (disorder)
- Birth trauma of fetus (disorder)
- Concussion (disorder)
- Effects of the elements (disorder)
- Fetus OR newborn affected by maternal injury (disorder)
- Foreign body (disorder)
- Industrial trauma (disorder)
- Injury NOS (disorder)
- Injury and poisoning NOS (disorder)
- Injury as a result of positioning (disorder)
- Injury by causative force (disorder)
- Injury by mechanism (disorder)
- Injury due to exposure to external cause (disorder)
- Injury of anatomical site (disorder)
- Injury of hip region (disorder)
- Lifting and handling injury (disorder)
- Local infection of wound (disorder)
- Missile injury (disorder)
- Occupational injury (disorder)
- Open wound (disorder)
- Other and unspecified external effect causes (disorder)
- Other specified injury (disorder)
- Penetrating wound (disorder)
- Peri-operative injury (disorder)
- Poison/toxic effect with other injury (disorder)
- Puncture wound - injury (disorder)
- Shaken impact syndrome (disorder)
- Superficial injury (disorder)
- Traumatic complications and unspecified injuries (disorder)
- Traumatic hematoma (disorder)
- Traumatic lesion during delivery (disorder)
- Wound abscess (disorder)
- Wound botulism (disorder)
- Wound cellulitis (disorder)
- [X]Other specified effects of external causes (disorder)

PHIN Domain Information:

Domain Name: Diagnosis and Problem List

Domain Id:9

Definition (Scope):

Diagnosis/Problem List is broadly defined as a series of brief statements that catalog a patient's medical, nursing, dental, social, preventative and psychiatric events and issues that are relevant to that patient's health care (e.g. signs, symptoms, and defined conditions).

Date Created:05/09/2005

Date Revised: 05/09/2005

Standard Vocabulary Identification Status: Complete

PHIN Comments:

Refer to the CHI document regarding modifiers/ qualifiers and post-coordination.

CHI Related Information:

CHI Report url:

http://www.whitehouse.gov/omb/egov/documents/dxandprob_full_public.doc

CHI comments about Modifiers:

Note about Modifiers: Many modifiers or “attributes” of a diagnosis or problem often accompany the concept itself. These attributes are as a rule not well defined or standardized. Furthermore, the attributes represent the diagnosis at just one of many possible arbitrary slices in time (i.e., "final" is truly in the eyes of the beholder). The term “Modifiers and Descriptors” above refers to a grouping of these terms rather than attempting to list each specific one. The scope of this report does not cover any of these attributes.

There will be reasonable debate among informaticists about exactly how to define each, which are truly distinct attributes and which overlap, what is each one's proper domain values, whether it should be handled in a reference terminology as defined relationships or within the information model or a bit of both, etc.

Diagnosis Descriptors, Modifiers, Related Information

These may either be handled as a defined relationship to an attribute within the terminology or within the information model as a classic attribute, or a bit of both. For now, the workgroup considered these out of scope and is including here only to note they exist and to indicate they will have to be further developed within a terminology (e.g., SNOMED-CT®) or within the information model for an IT system.

PHIN Recommended Coding System Information:

Code System Name: SNOMED CT

Code System Version: Jan 2005

Code System Reference: See the sub-domains for specific reference information

Code System Hyperlink: See the sub-domains for specific reference information.

PHIN Domain Name: **Finding**

PHIN Domain Identifier: 359

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 246188002

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=F-00005&bookmarktag=2

PHIN Domain Description: That which is discovered by direct observation or measurement of an organism attribute or condition, including the clinical history of the patient. The history of the presence of a disease is a 'Finding' and is distinguished from the disease itself.

Suggested Vocabulary Domain Enumeration:

- Administrative statuses (finding)
- Causes of injury and poisoning (finding)
- Clinical history and observation findings (finding)
- Finding by method (finding)
- Finding by site (finding)
- Finding of grade (finding)
- Finding related to physiologic substance (finding)
- General clinical state finding (finding)
- Procedure related finding (finding)
- Prognosis/outlook finding (finding)

PHIN Domain Name: Signs and Symptoms

PHIN Domain Identifier: 375

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 118225008

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=F-01007&bookma
rhtag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=F-01007&bookma
rhtag=2)

PHIN Domain Description: List of concepts related to "Signs" and "Symptoms". "Context dependent finding" is the parent of "Signs" and "Symptoms". **Review the "Symptom" and "Sign" SNOMED CT**

Sub-domains.

Suggested Vocabulary Domain Enumeration:

Symptom (finding)

- Abdominal migraine - symptom (finding)
- Associated symptom (finding)
- Eye AND/OR eyelid symptom (finding)
- Finding of pain character (finding)
- Globus sensation (finding)
- Lightheadedness (finding)
- Menopausal symptom (finding)
- Musculoskeletal symptom (finding)
- Nausea (finding)
- Nervous system symptoms (finding)
- Nonspecific abdominal symptom (finding)
- Pain (finding)
- Pancreatic symptom (finding)
- Pathognomonic symptom (finding)
- Premenstrual symptom (finding)
- Psychiatric symptom (finding)
- Psychological symptom (finding)
- Subjective tinnitus (finding)
- Tired on least exertion (finding)
- Tires quickly (finding)

Sign (finding)

- Adson's sign (finding)
- Associated sign (finding)
- Clinical sign related to pregnancy (finding)
- Gower's eye sign (finding)
- Gray Turner's sign (finding)
- Homans' sign (finding)
- Lasgue's arm sign (finding)
- McBurney's sign (finding)
- Murphy's sign (finding)
- Obturator sign (finding)
- Rovsing's sign (finding)
- Shrug sign (finding)
- Tinel's sign (finding)
- Wilson's sign (finding)

PHIN Domain Name: Clinical History and Observation Findings (Finding)

PHIN Domain Identifier: 567

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 250171008

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=F-00E39&bookmarktag=2

PHIN Domain Description: Clinical History and Observation Findings (eg. EKG Finding)

Suggested Vocabulary Domain Enumeration:

- Anesthetic finding (finding)
- Breast finding (finding)
- Cardiac rhythm AND/OR rate finding (finding)
- Child health observations (finding)
- Clinical finding (finding)
- Communication, speech and language finding (finding)
- Convalescence (finding)
- Decreased capillary permeability (finding)
- Dextrocardia/situs inversus finding (finding)
- Ear, nose and throat finding (finding)
- Endocrine, nutritional and metabolic finding (finding)
- Equipment finding (finding)
- Exsanguination (finding)
- Eye / vision finding (finding)
- Finding by auscultation (finding)
- Finding by inspection (simple observation) (finding)
- Finding by measurement (finding)
- Finding by palpation (finding)
- Finding by percussion (finding)
- Finding of blood, lymphatics and immune system (finding)
- Finding of body region (finding)
- Finding of general physiological development (finding)
- Finding of lesion (finding)
- Finding of position of body and posture (finding)
- Functional finding (finding)
- General finding of observation of patient (finding)
- General finding of soft tissue (finding)
- Genitalia, sexual function and urinary tract observations (finding)
- Increased capillary fragility (finding)
- Increased capillary permeability (finding)
- Increased vascular flow (finding)
- Medical contraindication (finding)
- Mouth and/or pharynx finding (finding)
- Mouth, abdomen and bowel observations (finding)
- Musculoskeletal finding (finding)
- Musset's sign (finding)
- Neurological finding (finding)
- No reflow vascular flow (finding)
- Onset of illness (finding)
- Oral cavity, dental and salivary finding (finding)
- P pulmonale by EKG (finding)
- Pain / sensation finding (finding)
- Perfusion and dialysis finding (finding)
- Perinatal finding (finding)
- Physical signs (finding)
- Pregnancy, childbirth and puerperium finding (finding)
- Respiratory finding (finding)
- Special symptoms/syndromes NOS (finding)
- Stoma finding (finding)
- Surgical contraindication (finding)

Oth spec sympt & signs involv nerv & musculosket systems (finding)

Other specified symptoms and signs involving circulatory and respiratory systems (finding)

289205009 finding of measures of pregnancy
118214004 gestation finding
6099009 gestation period
13763000 gestation period, 34 weeks
13798002 gestation period, 38 weeks
15633004 gestation period, 16 weeks
23464008 gestation period, 20 weeks
25026004 gestation period, 18 weeks
26690008 gestation period, 8 weeks
36428009 gestation period, 42 weeks
37005007 gestation period, 5 weeks
38039008 gestation period, 10 weeks
41438001 gestation period, 21 weeks
41587001 third trimester pregnancy
43697006 gestation period, 37 weeks
44398003 gestation period, 4 weeks
45139008 gestation period, 29 weeks
46230007 gestation period, 40 weeks
46906003 gestation period, 27 weeks
48688005 gestation period, 26 weeks
50367001 gestation period, 11 weeks
54318006 gestation period, 19 weeks
57630001 first trimester pregnancy
57907009 gestation period, 36 weeks
59466002 second trimester pregnancy
62333002 gestation period, 13 weeks
63110000 gestation period, 7 weeks
63503002 gestation period, 41 weeks
64920003 gestation period, 31 weeks
65035007 gestation period, 22 weeks
65683006 gestation period, 17 weeks
6678005 gestation period, 15 weeks
69471007 gestation period, 24 weeks
71355009 gestation period, 30 weeks
72544005 gestation period, 25 weeks
72846000 gestation period, 14 weeks
74952004 gestation period, 3 weeks
7707000 gestation period, 32 weeks
78395001 gestation period, 33 weeks
79992004 gestation period, 12 weeks
80487005 gestation period, 39 weeks
82118009 gestation period, 2 weeks
84132007 gestation period, 35 weeks
86801005 gestation period, 6 weeks
86883006 gestation period, 23 weeks
87178007 gestation period, 1 week
87527008 term pregnancy
90797000 gestation period, 28 weeks
931004 gestation period, 9 weeks
313178001 gestation <24 weeks
313179009 gestation = 24 weeks
313180007 gestation >24 weeks
313181006 full term gestation - 40 weeks
373663005 perinatal period

PHIN Domain Name: **Disease/Disorder**

PHIN Domain Identifier: 360

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 246188002

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DF-00000&book
marktag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DF-00000&bookmarktag=2)

PHIN Domain Description: A condition which alters or interferes with a normal process, state, or activity of an organism. It is usually characterized by the abnormal functioning of one or more of the host's systems, parts, or organs. Included here is a complex of symptoms descriptive of a disorder. Example: Rubella Infection, Diabetes Mellitus; Dumping Syndrome; Malabsorption Syndromes; Nephrotic Syndrome

Suggested Vocabulary Domain Enumeration:

- Acute disease (disorder)
- Chronic disease (disorder)
- Communication disorder (disorder)
- Congenital disease (disorder)
- Degenerative disorder (disorder)
- Developmental disorder (disorder)
- Disease by body site (disorder)
- Disease due to Arthropod (disorder)
- Disease of pregnancy (disorder)
- Disease of presumed infectious origin (disorder)
- Disorder characterized by edema (disorder)
- Disorder characterized by pain (disorder)
- Disorder due to exposure to ionizing radiation (disorder)
- Disorder of labor / delivery (disorder)
- Disorder of puerperium (disorder)
- Drug-related disorder (disorder)
- Environment related disease (disorder)
- Familial disease (disorder)
- Gangrenous disorder (disorder)
- Hematoma (disorder)
- Hereditary disease (disorder)
- Iatrogenic disease (disorder)
- Infectious disease (disorder)
- Inflammatory disorder (disorder)
- Injury (disorder)
- Maltreatment syndromes (disorder)
- Mental disorder (disorder)
- Multisystem disorder (disorder)
- Neonatal disease (disorder)
- Neoplasm and/or hamartoma (disorder)
- Non-human disorder (disorder)
- Nutritional disorder (disorder)
- Other disease/injury (disorder)
- Paraneoplastic syndrome (disorder)
- Perinatal disorder (disorder)
- Poisoning (disorder)
- Radiation effects, unspecified (disorder)
- Self-induced disease (disorder)
- Sequela (disorder)
- Sleep disorder (disorder)
- Subacute disease (disorder)
- Vertiginous syndrome (disorder)

PHIN Domain Name: Disease by body site

PHIN Domain Identifier: 377

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 123946008

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DF-00800&book
marktag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DF-00800&bookmarktag=2)

PHIN Domain Description: List of diseases / disorders organized by body sites.

Suggested Vocabulary Domain Enumeration:

- Abortion (disorder)
- Accidental organ perforation during a procedure (disorder)
- Anomaly of chromosome pair (disorder)
- Benign neoplasm of lip, oral cavity and pharynx (disorder)
- Blast injury to internal organs (disorder)
- Complication of transplanted organ (disorder)
- Congenital malformation of tongue, mouth and pharynx (disorder)
- Deep transverse arrest (disorder)
- Disease of extremity (disorder)
- Disease of head (disorder)
- Disease of neck (disorder)
- Disease of trunk (disorder)
- Disorder of amniotic cavity AND/OR membrane (disorder)
- Disorder of body cavity (disorder)
- Disorder of body system (disorder)
- Disorder of body wall (disorder)
- Disorder of product of conception (disorder)
- Disorder of skeletal AND/OR smooth muscle (disorder)
- Disorder of soft tissue (disorder)
- Ear, face and neck congenital anomalies (disorder)
- Ear, nose and throat disorder (disorder)
- Excessive fetal growth affecting management of mother (disorder)
- Fetal blood loss (disorder)
- Fetal death, affecting management of mother (disorder)
- Fetal disorder (disorder)
- Fetal disproportion (disorder)
- Fetal distress affecting management of mother (disorder)
- Fetal dystocia (disorder)
- Foreign body (FB) in orifice (disorder)
- Infection by site (disorder)
- Inflammation of specific body structures or tissue (disorder)
- Injury of anatomical site (disorder)
- Known OR suspected fetal abnormality affecting management of mother (disorder)
- Labor and delivery complic by meconium in amniotic fluid (disorder)
- Labor and delivery complicated by biochemical evidence of fetal stress (disorder)
- Labor and delivery complicated by fetal heart rate anomaly (disorder)
- Labor and delivery complicated by fetal heart rate anomaly with meconium in amniotic fluid (disorder)
- Late effect of burns of eye, face, head AND/OR neck (disorder)
- Late effect of foreign body in orifice (disorder)
- Malposition and malpresentation of fetus (disorder)
- Malpresentation of fetus (disorder)
- Maternal care for central nervous system malformation in fetus (disorder)
- Maternal care for chromosomal abnormality in fetus (disorder)
- Maternal care for compound presentation (disorder)
- Maternal care for damage to fetus from maternal rubella (disorder)
- Maternal care for diminished fetal movements (disorder)
- Maternal care for fetal acidosis during pregnancy (disorder)
- Maternal care for fetal bradycardia during pregnancy (disorder)
- Maternal care for fetal decelerations during pregnancy (disorder)
- Maternal care for fetal tachycardia during pregnancy (disorder)

Maternal care for hydrops fetalis (disorder)
Maternal care for poor fetal growth (disorder)
Maternal care for suspected central nervous system malformation in fetus (disorder)
Maternal care for suspected chromosomal abnormality in fetus (disorder)
Maternal care for viable fetus in abdominal pregnancy (disorder)
Metal foreign body in head and neck (disorder)
Musculoskeletal and connective tissue diseases (disorder)
Nail wound of head and neck (disorder)
Needle stick injury of head and neck (disorder)
Neoplasm by body site (disorder)
Non-human disorder by body site (disorder)
Obstetric problem affecting fetus (disorder)
Organ dysfunction syndrome (disorder)
Persistent occipitoposterior position (disorder)
Poor fetal growth affecting management (disorder)
Post-laminectomy syndrome (disorder)
Post-term pregnancy - delivered (disorder)
Post-term pregnancy - not delivered (disorder)
Pregnancy with isoimmunization (disorder)
Puncture wound of head and neck (disorder)
Shoulder girdle dystocia (disorder)
Stab wound of head and neck (disorder)
Unstable lie (disorder)
Visceral decompression injury (disorder)

PHIN Domain Name: Infectious Disease

PHIN Domain Identifier: 378

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 40733004

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DE-00000&book
marktag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DE-00000&bookmarktag=2)

PHIN Domain Description: List of all the infectious disease. Important sub-domains are "Infection by site", "Bacterial Infectious disease", "Viral Disease", "Mycosis" and Infectious & Parasitic Diseases.

Suggested Vocabulary Domain Enumeration:

- Abrasion AND/OR friction burn with infection (disorder)
- Acute infectious disease (disorder)
- Bacterial infectious disease (disorder)
- Chronic infectious disease (disorder)
- Clinical infection (disorder)
- Communicable disease (disorder)
- Cross infection (disorder)
- Disease caused by parasite (disorder)
- Dust-borne infectious disease (disorder)
- Fomite transmitted infectious disease (disorder)
- Ill-defined infectious disease (disorder)
- Immunosuppression-related infectious disease (disorder)
- Infection - non-suppurative (disorder)
- Infection - post-abortion (disorder)
- Infection - suppurative (disorder)
- Infection as complication of medical care (disorder)
- Infection by Tririchomonas (disorder)
- Infection by site (disorder)
- Infection due to chordate (disorder)
- Infection due to resistant organism (disorder)
- Infections specific to perinatal period (disorder)
- Infectious AND/OR communicable disease of undetermined etiology (disorder)
- Infectious and parasitic diseases NOS (disorder)
- Infectious disease due to plant (disorder)
- Infectious disease in mother complicating pregnancy, childbirth AND/OR puerperium (disorder)
- Infectious granuloma (disorder)
- Masked infection (disorder)
- Mixed infectious disease (disorder)
- Mycosis (disorder)
- Neonatal infectious disorder (disorder)
- Non-human infectious disorder (disorder)
- Opportunistic infectious disease (disorder)
- Other venereal/spirochete disease (disorder)
- Other viral and chlamydial diseases (disorder)
- Persistent infection (disorder)
- Secondary infection (disorder)
- Sexually transmitted infectious disease (disorder)
- Subacute infectious disease (disorder)
- Subclinical infection (disorder)
- Superficial injury with infection (disorder)
- Superimposed infection (disorder)
- Systemic infection (disorder)
- Types of infections (disorder)
- Viral disease (disorder)
- [X]Additional infectious disease classification terms (disorder)
- [X]Bacterial, viral and other infectious agents (disorder)
- [X]Other infectious diseases (disorder)

PHIN Domain Name: Infection by site

PHIN Domain Identifier: 463

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 301810000

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DE-00017&book
marktag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DE-00017&bookmarktag=2)

PHIN Domain Description: Infectious diseases are grouped by site.

Suggested Vocabulary Domain Enumeration:

- Abortion with pyemic embolism (disorder)
- Abortion with sepsis (disorder)
- Abrasion AND/OR friction burn of ankle with infection (disorder)
- Abrasion or friction burn of trunk, infected (disorder)
- Arteriovenous fistula infection (disorder)
- Bacterial infection by site (disorder)
- Breast infection (disorder)
- Chronic infection of amputation stump (disorder)
- Echinococcus granulosus infection of thyroid (disorder)
- Endocrine infection (disorder)
- Failed attempted abortion with pyemic embolism (disorder)
- Failed attempted abortion with sepsis (disorder)
- Fungal infection by site (disorder)
- Hemolytic anemia due to babesiosis (disorder)
- Hemolytic anemia due to malaria (disorder)
- Illegal abortion with endometritis (disorder)
- Incomplete illegal abortion with genital tract or pelvic infection (disorder)
- Infected hand (disorder)
- Infected insect bite of head and neck (disorder)
- Infected insect bite of upper limb (disorder)
- Infection - perineal wound (disorder)
- Infection foot (disorder)
- Infection of axilla (disorder)
- Infection of blood and lymphatic system (disorder)
- Infection of digestive system (disorder)
- Infection of skin AND/OR subcutaneous tissue (disorder)
- Infectious disease of abdomen (disorder)
- Infectious disease of cardiovascular system (disorder)
- Infectious disease of genitourinary system (disorder)
- Infectious disease of nervous system (disorder)
- Infectious disorder of immune system (disorder)
- Infectious disorder of the fetus (disorder)
- Infectious lymphangitis (disorder)
- Infectious mediastinitis (disorder)
- Infective disorder of head (disorder)
- Infective hemolytic anemia (disorder)
- Infective paralysis of accommodation (disorder)
- Intraerythrocytic parasitosis by Entoploypoides (disorder)
- Loa loa lymphadenopathy (disorder)
- Localized infection (disorder)
- Lymphatic filariasis (disorder)
- Megaloblastic anemia due to fish tapeworm (disorder)
- Musculoskeletal infective disorder (disorder)
- Nonvenomous insect bite of leg with infection (disorder)
- Nonvenomous insect bite of trunk with infection (disorder)
- Perianal infection (disorder)
- Postoperative chest infection (disorder)
- Respiratory tract infection (disorder)
- Septic abortion (disorder)
- Septicemia NOS following abortive pregnancy (disorder)

Serous cavity filariasis (disorder)
Soft tissue infection (disorder)
Superficial injury of shoulder with infection (disorder)
Superficial injury of wrist with infection (disorder)
Systemic inflammatory response syndrome (disorder)
Viral infection by site (disorder)

PHIN Domain Name: Infection by Organism

PHIN Domain Identifier: 464

Suggested Vocabulary Source Name: PHIN

Suggested Vocabulary Source Pointer Id:

URL To Vocabulary Source Pointer:

PHIN Domain Description: Infectious disease concepts are grouped by organism (eg. Bacterial infectious disease, Viral infectious disease, etc..)

Suggested Vocabulary Domain Enumeration:

Bacterial Infectious Disease

Viral Infectious Disease

Fungal Infectious Disease

Parasitic Infectious Disease

PHIN Domain Name: Bacterial Infectious Disease

PHIN Domain Identifier: 465

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 87628006

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DE-10000&book
marktag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DE-10000&bookmarktag=2)

PHIN Domain Description:List of Bacterial infectious diseases.

Suggested Vocabulary Domain Enumeration:

- Bacteremia (disorder)
- Bacterial cellulitis (disorder)
- Bacterial diseases NOS (disorder)
- Bacterial diseases excluding tuberculosis (disorder)
- Bacterial infection by site (disorder)
- Bacterial infections - causative organisms (disorder)
- Bacterial sepsis of newborn (disorder)
- Bacterial septicemia (disorder)
- Congenital bacterial disorder (disorder)
- Disease due to Gram-negative bacteria (disorder)
- Disease due to Gram-positive bacteria (disorder)
- Endotoxicosis (disorder)
- Mycobacteriosis (disorder)
- Mycosis leptoethrica (disorder)
- Other bacterial diseases (disorder)
- Progressive bacterial synergistic gangrene (disorder)
- Superadded anaerobic infection (disorder)
- Vincent's infection (disorder)
- Zoonotic bacterial disease (disorder)
- [X]Bacterial infection, unspecified (disorder)

PHIN Domain Name: Viral Infectious Disease

PHIN Domain Identifier: 466

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 34014006

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DE-30000&book
marktag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DE-30000&bookmarktag=2)

PHIN Domain Description: List of infectious disease caused by virus.

Suggested Vocabulary Domain Enumeration:

- African swine fever (disorder)
- Arbovirus infection (disorder)
- Congenital viral disease (disorder)
- Disease due to Adenovirus (disorder)
- Disease due to Arenavirus (disorder)
- Disease due to Birnavirus (disorder)
- Disease due to Calicivirus (disorder)
- Disease due to Circoviridae (disorder)
- Disease due to Coronaviridae (disorder)
- Disease due to Filovirus (disorder)
- Disease due to Orthomyxoviridae (disorder)
- Disease due to Papovaviridae (disorder)
- Disease due to Paramyxoviridae (disorder)
- Disease due to Parvoviridae (disorder)
- Disease due to Picornaviridae (disorder)
- Disease due to Poxviridae (disorder)
- Disease due to Reoviridae (disorder)
- Disease due to Retroviridae (disorder)
- Disease due to Rhabdoviridae (disorder)
- Disease due to Togaviridae (disorder)
- Disease of possible viral origin (disorder)
- Herpesvirus infection (disorder)
- Specific viral infections (disorder)
- Sweating fever (disorder)
- Viral agent as the cause of other diseases (disorder)
- Viral disease characterized by exanthem (disorder)
- Viral disease in mother complicating pregnancy, childbirth AND/OR puerperium (disorder)
- Viral hemorrhagic fever (disorder)
- Viral infection by site (disorder)
- Viremia (disorder)
- Other viral diseases (disorder)
- Viral infection, unspecified (disorder)

PHIN Domain Name: Fungal Infectious Disease

PHIN Domain Identifier: 467

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 3218000

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DE-40000&book
marktag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DE-40000&bookmarktag=2)

PHIN Domain Description: List of Fungal infectious disease (mycosis)

Suggested Vocabulary Domain Enumeration:

- Branchiomycosis (disorder)
- Deep mycosis (disorder)
- Disseminated hyalohyphomycosis (disorder)
- Fungal granuloma (disorder)
- Fungal infection by site (disorder)
- Hyalohyphomycosis (disorder)
- Infection by Ascomycetes (disorder)
- Infection by Deuteromycetes (disorder)
- Infection by Oomycetes (disorder)
- Mossy foot disease (disorder)
- Mycoses NOS (disorder)
- Opportunistic mycosis (disorder)
- Other mycoses (disorder)
- Rhinosporidiosis (disorder)
- Superficial mycosis (disorder)
- Systemic mycosis (disorder)
- Zygomycosis (disorder)
- [X]Unspecified mycosis (disorder)

PHIN Domain Name: Neoplastic Disease

PHIN Domain Identifier: 379

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 55342001

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DF-00400&book
marktag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DF-00400&bookmarktag=2)

PHIN Domain Description: List of all the neoplastic disease (Cancer). Navigate the "Neoplasm by Body site" for the complete list of all the concepts related to cancer / neoplasm.

Suggested Vocabulary Domain Enumeration:

- Benign neoplastic disease (disorder)
- Carcinoma in situ, disorder (disorder)
- Chromaffinoma (disorder)
- Familial neoplastic disease (disorder)
- Germ cell tumor (disorder)
- Lipomatous tumor (disorder)
- Local tumor spread (disorder)
- Malignant neoplastic disease (disorder)
- Melanocytic neoplasm (disorder)
- Neoplasm by body site (disorder)
- Neoplasm of glomus jugulare (disorder)
- Neoplasm of nerve sheath origin (disorder)
- Neoplasms NOS (disorder)
- Neoplasms otherwise specified (disorder)
- Neoplastic disease of uncertain behavior (disorder)
- Neoplastic pleural effusion (disorder)
- Neurocutaneous syndrome (disorder)
- Neuroendocrine tumor (disorder)
- Pheochromocytoma (disorder)
- Pigmented neuroectodermal tumor of infancy (disorder)
- Post-transplant neoplasia (disorder)
- Rhabdomyomatous neoplasm (disorder)
- Rupture of neoplasm (disorder)
- Unspecified nature neoplasm (disorder)
- [X]Additional neoplasm classification terms (disorder)

PHIN Domain Name: Inflammation of specific body structures or tissue

PHIN Domain Identifier: 380

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 363170005

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DF-00A03&book
marktag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DF-00A03&bookmarktag=2)

PHIN Domain Description: List of sub-domains related to Inflammation (eg. Cellulitis, Abscess). Navigate the following sub-domains in order to get a complete list of concepts related to Inflammation: (a) Inflammation of specific body organs (disorder) (b) Inflammation of specific body systems (disorder)

Suggested Vocabulary Domain Enumeration:

- Abscess of head, except face (disorder)
- Abscess of neck (disorder)
- Abscess of trunk (disorder)
- Carbuncle of flank (disorder)
- Cellulitis of head (disorder)
- Cellulitis of neck (disorder)
- Cellulitis of trunk (disorder)
- Central giant cell reparative granuloma of jaw (disorder)
- Cloacitis (disorder)
- Funisitis (disorder)
- Inflammation of specific body organs (disorder)
- Inflammation of specific body systems (disorder)
- Inflammatory disease of mucous membrane (disorder)
- Inflammatory disorder of extremity (disorder)
- Inflammatory disorder of jaw (disorder)
- Omphalitis (disorder)
- Postoperative wound abscess (disorder)
- Pyogranulomatous serositis (disorder)
- Retroperitoneal xanthogranuloma (disorder)

PHIN Domain Name: Environment Related Disease

PHIN Domain Identifier: 568

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 8504008

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DF-00300&book
marktag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DF-00300&bookmarktag=2)

PHIN Domain Description: List of Environment Related Disease / Disorder.

Suggested Vocabulary Domain Enumeration:

- Home environment related disease (disorder)
- Industrial environment related disease (disorder)
- Institutional environment related disease (disorder)
- Nature environment related disease (disorder)
- Occupational disorder (disorder)
- Social environment related disease (disorder)

PHIN Domain Name: Occupational Disorder

PHIN Domain Identifier: 569

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 115966001

URL To Vocabulary Source Pointer:

[http://ncitterms.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DF-00310&book
marktag=2](http://ncitterms.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=DF-00310&bookmarktag=2)

PHIN Domain Description: Occupational Disorder (eg. Occupational lung disease)

Suggested Vocabulary Domain Enumeration:

Disorder due to work-related activity accident (disorder)

Gulf war syndrome (disorder)

Occupational acne (disorder)

Occupational acroosteolysis (disorder)

Occupational deafness (disorder)

Occupational dermatitis (disorder)

Occupational erosion of teeth (disorder)

Occupational injury (disorder)

Occupational lung disease (disorder)

Reactive airways dysfunction syndrome (disorder)

PHIN Domain Information:

Domain Name: Interventions & Procedures: Non-Laboratory

Domain Id:10

Definition (Scope):

This standard will be used to describe specific non-laboratory interventions and procedures performed / delivered. Interventions represent the purposeful activities performed in the provision of health care. Procedures are concepts that represent the purposeful activities performed in the provision of health care.

Date Created:05/09/2005

Date Revised: 05/09/2005

Standard Vocabulary Identification Status: Incomplete / partial

PHIN Comments:

PHIN VS team is analyzing the Preventive Procedure sub-domain (surveillance and monitoring procedure)

CHI related information:

CHI Report hyperlink:

http://www.whitehouse.gov/omb/egov/documents/iandp_nonlab_full_public.doc

CHI Comments:

PHIN Recommended Coding System Information:

Code System Name: SNOMED CT

Code System Version: 0207core and later

Code System Reference: 71388002 (procedure domain id), see the sub-domains for more information.

Code System Hyperlink:

SCOPE

This standard will be used to describe specific non-laboratory interventions and procedures performed / delivered. Interventions represent the purposeful activities performed in the provision of health care. Procedures are concepts that represent the purposeful activities performed in the provision of health care.

RECOMMENDATION:

SNOMED CT

Sub-domains *Identify/dissect the domain into sub-domains, if any. For each, indicate if standards recommendations are or are not included in the scope of this recommendation.*

Domain/Sub-domain	In-Scope (Y/N)
Procedure by site (on body system, on body part, on organ)	Y
Procedure by method	Y
Procedure by intent (therapeutic, preventive, palliative, diagnostic, monitoring, surveillance, screening)	Y
Procedure by focus	Y
Regime / Therapy	Y
Procedure by device	Y
Dental	N

Alternative Medicine	N
Laboratory Procedures (addressed in Part B report)	N
Administrative / Management procedure	N

The specific locations in SNOMED CT® that form the basis of our recommendation are contained within the Procedures axis:

EXCLUDING the hierarchies of:

Procedures by method: Evaluation procedure: subtype hierarchy: **Laboratory test**

Covered by the Laboratory Domain

Administrative procedures

Covered by HIPAA and the Billing Domain

Laboratory Procedures

Covered by the Laboratory Domain

Describe the extent to which user agencies will likely need to perform mapping from internal codes to this standard.

CAP has indicated that SNOMED® has been mapped to CDT-2® and ICD-9-CM. The map to ICD-9-CM is currently undergoing a validation re-map. There is the caveat that the current mapping to ICD-9-CM is not for billing, but requires manual review to assure proper assignment of ICD-9-CM codes. Mappings to other HIPAA code sets would be needed (CPT-4®; HCPCS).

Gaps

Identify the gaps in data, vocabulary or interoperability.

The SNOMED CT® content is dynamic and continually evolves to reflect current scientific and clinical developments. We tested SNOMED CT® capacity to identify to relatively new procedures for the management of GERD (gastroesophageal reflux disease). The STRETTA and ENDO CINCH procedure were evaluated. We were unable to identify the procedures, this might be due to the fact that these procedures are relatively new and cross several concepts. IE “ablation & radiofrequency”. STRETTA procedure is a minimally invasive outpatient procedure using radiofrequency ablation for treatment of gastroesophageal reflux disease (GERD). Endo CINCH is a minimally invasive endoscopic outpatient procedure for treatment of gastroesophageal reflux disease (GERD). As of this review these and other emerging technologically advanced surgical procedures are not included in the current version. The timeliness by which emerging procedures become standard health care needs to be incorporated in the updating of SNOMED CT®. At present, a map to CPT-4® does not exist. The workgroup recognizes the importance of mappings to be maintained between SNOMED CT®, CPT®, and ICD-10-PCS via the UMLS®.

SNOMED CT Id:362958002

procedure on body system
procedure on body part
procedure on organ
hypothermia, total body, induction and maintenance
excision of cyst of Müllerian duct in male
anatomic measurement
total body irradiation
intracavitary injection
total body perfusion
harvesting of tissue
intracavitary radionuclide therapy
excision of Müllerian duct
excision of Wolffian duct
manipulation of cloaca
excision of cyst of mesonephric duct
medical procedure on body region
destructive procedure by anatomic site
diagnostic procedure by site
fetal procedure
heat therapy
procedure on soft tissue
surgical repair and revision of stoma
hernia repair
incision AND drainage
implantation
measurement of interstitial fluid pressure
biopsy of cloaca
computerized axial tomography of site
surgical repair procedure by body site
biopsy by superficial smear

procedure by site
procedure on body system
examination of body system
procedure on integumentary system
procedure on musculoskeletal system
procedure on respiratory system
procedure on cardiovascular system
procedure on digestive system
procedure on genitourinary system
procedure on nervous system
procedure on endocrine system
procedure on ear and related structures
procedure on olfactory system
procedure on hematopoietic system
procedure on immune system
procedure on lymphatic system
procedure on mediastinum
multisystem procedure
breast procedure
destructive procedure by organ system
radiotherapy: endolymphatic infusion
radiotherapy: temporary lymphatic implant
injection of lymphatics for local action
lung and mediastinum operations
endocrine system and breast operations
transfusion and related procedures
harvest of stem cells
radionuclide studies in hematology
CT of systems
contrast radiology studies of systems excluding angiography
procedure on visual system

SNOMED CT Id: 118689006

procedure on body part

procedure on trunk

procedure on ligament

procedure on extremity

procedure on head AND/OR neck

removal of dressing of tail

stoma care procedure

mobilizing of body part

attention to wounds and operation sites

body wall and cavity procedures

SNOMED CT id: 118717007

procedure by site

procedure on organ

arthroscopic chondroplasty of knee joint

arthroscopic chondroplasty of shoulder joint

mobilization of the radioulnar joint

manipulation of radioulnar joint - non-surgical

procedure on nervous system

procedure on ear and related structures

procedure on skin

procedure on bone marrow

procedure on muscle

procedure on shoulder joint

procedure on ligament

procedure on fascia

procedure on gland

procedure on nipple

procedure on duct

procedure on trachea

procedure on bronchus

procedure on lung

procedure on heart

procedure on blood vessel

procedure on digestive organ

arthroscopic removal of loose body from knee joint

arthroscopic washout of knee joint

arthroscopic removal foreign body from knee joint

procedure on kidney

procedure on urethra

arthroscopic debridement of articular ulcerations of knee

removal of previous uncemented total prosthetic replacement of knee joint

trachea excision

trachea implantation

trachea destructive procedure

synovial biopsy

procedure on larynx

joint capsulodesis

excision of meniscus of wrist

procedure on serous sac

procedure on female genital organ

procedure on male genital organ

aspiration from trachea

procedure on lymphoid organ

capsulectomy of joint

mammary ductogram

endoscopy of nose

reattachment of joint capsule

dilation of trachea

diagnostic arthroscopy of wrist with synovial biopsy

wedge excision of breast

total shoulder replacement

suture of joint capsule

total replacement of knee

incision of trachea

total ankle replacement

repair of ligament

anesthesia for injection procedure for posterior fossa myelography

total replacement of hip

insertion of hip prosthesis, total
manipulation of stifle joint ligament with splint
joint capsuloplasty
division of joint capsule
ligamentous reconstruction of knee, extra-articular
revision of total hip replacement
removal of dressing of stifle ligament
graft of trachea
destruction of lesion of breast
irrigation of nasal passages
tylectomy
division of joint cartilage
reefing of joint capsule
transection of isthmus of thyroid
excision of meniscus of acromioclavicular joint
total wrist replacement
chondrectomy of wrist
tracheography
total elbow replacement
lysis of adhesions of trachea
discectomy for intervertebral herniated disc, nucleus pulposus
operation on ligament
excision of meniscus of sternoclavicular joint
therapeutic arthroscopic operations on cavity of knee joint
open operations on synovial membrane of joint
total synovectomy
open drilling of articular cartilage
open excision of articular cartilage of joint
open reattachment glenoid labrum
limited release of contracture of capsule of joint
endoscopic drilling of lesion of articular cartilage
endoscopic fixation of lesion of articular cartilage
endoscopic shaving of articular cartilage
injection of trachea for local action
partial synovectomy
X-ray of non-obstetric pelvic organs
contrast radiography of respiratory organs
epistaxis control
joint cartilage division
suction clearance of nasal cavity
removal of previous uncemented total prosthetic replacement of hip joint
nasal polypectomy using auto-debrider
mobilizing the wrist
mobilization of the wrist
procedure on ureter
insertion of intranasal splints
removal of intranasal splints
operation for lesion of internal nose
operations on amniotic cavity
breast biopsy and related procedures
operation on mastectomy scar
operation on meniscus of the knee
stabilization of scapholunate joint
division of intra-articular plica
prosthetic total arthroplasty of the ankle
prosthetic total arthroplasty of the metatarsophalangeal joint of hallux
operation on intervertebral disc
excision of limbus for congenital dislocation of the hip
CT of posterior fossa
CT discogram

MRI of posterior fossa
preload radiotherapy - nose
insertion of endotracheal tube
operation on breast duct
suture of breast
open repair of glenoid labrum
total reconstruction of nose
cauterization of internal nose
nasal decrusting
instillation of nose drops
instillation of nasal spray
imaging guided removal of foreign body
preload radiotherapy - respiratory organs
operation on aberrant adrenal tissue
diagnostic endoscopy of nose and sinuses
surgical closure of bladder neck
radionuclide adrenal cortex study
partial cystectomy
total prosthetic replacement of knee joint using cement
computed tomography guided biopsy
magnetic resonance imaging guided biopsy
X-ray guided biopsy
ultrasound guided biopsy
female artificial urinary sphincter procedure
female prosthetic bladder outlet collar procedure
procedure on bone (organ)
partial hip replacement by prosthesis
endoscopy of trachea
dilation of bladder neck
muscle transposition
muscle transplantation
arthroscopy of wrist with complete synovectomy
division of bladder neck
ultrasonography of breast
arthroscopy of elbow with complete synovectomy
lysis of adhesions of muscle
partial mastectomy
measurement of interstitial fluid pressure in muscle compartment
partial shoulder replacement
capsular contracture release for Erb's palsy
transurethral electroresection of bladder neck
complete excision
repair of adrenal gland
combined abdominal and vaginal operations to support outlet of female bladder
abdominal operations to support outlet of female bladder
non-surgical adrenal biopsy
perivesical tissue operation
procedure on visual system

procedure
procedure by method
direct current cardiac shock
attention to arteriovenous shunt
embolization of arteriovenous abnormality
removal
attention to prosthesis for limb
assisting
reduction procedure
evaluation
stimulation
manipulation
light therapy
surgical procedure
introduction
traction
mobilization
repair of penis
anesthesia procedure
discussion
repair of hemitruncus arteriosus
attention to catheter
filing of a nail
contouring of a nail
semi-permanent pressure technique
attention to tracheostomy
root canal preparation
repair of existing restoration of tooth
repair fixed orthodontic appliance component
attention to gastrointestinal tract tube
female genital and obstetric procedures
provision of appliances
provision of audiotaped services
provision for visual and hearing impairment
repositioning of tooth
stabilization
repair of a nail
prescription of splint
repositioning of epidural electrode
repositioning of intraocular lens
attention to prosthesis within esophagus
attention to gastrostomy
attention to prosthesis within stomach
correction of congenital deformity
lubrication
attention to cochlear prosthesis
counselling, advice and education
release
repair of cerebrospinal fluid otorrhea
hand repair
leg repair
foot repair
endocrine gland repair
abdomen repair
stretching
percutaneous urinary vesicostomy
cardiac pacing
osteoplasty

desensitization therapy (procedure)
dental restorative procedure
transposition procedure
therapeutic ultrasound
counting procedure-related devices

procedure

- procedure by intent
- screening procedure
- palliative procedure
- preventive procedure
- diagnostic procedure
- therapeutic procedure
- diagnostic gastroscopy via stoma
- diagnostic pericardiocentesis
- diagnostic cystoscopy
- urethral catheterization for urodynamics
- diagnostic aspiration of hydrocele
- diagnostic pleurocentesis
- diagnostic aspiration of peritoneal cavity
- diagnostic drainage from ventricle of brain
- diagnostic puncture of cisterna magna
- diagnostic tracheobronchial endoscopy
- diagnostic meatourethroscopy
- diagnostic arthroscopy of joint
- diagnostic lumbar puncture
- diagnostic amniocentesis
- diagnostic aspiration of liver
- diagnostic laparoscopy
- diagnostic procedure on adenoids
- diagnostic laryngoscopy
- diagnostic endoscopic examination of duodenum
- diagnostic endoscopic examination of jejunum
- diagnostic endoscopic examination on colon
- diagnostic endoscopic examination of liver using laparoscope
- diagnostic percutaneous operations on liver
- diagnostic percutaneous operations on gallbladder
- diagnostic percutaneous operations on pancreas
- diagnostic transluminal operations on heart
- diagnostic transluminal operations on vein
- diagnostic endoscopic examination of pleura
- diagnostic puncture of sternum
- diagnostic fiberoptic endoscopic examination of upper gastrointestinal tract
- diagnostic endoscopic examination of ileum
- diagnostic percutaneous examination of fetus
- aspiration - diagnostic
- diagnostic kidney aspiration
- diagnostic aspiration of spermatocele
- diagnostic aspiration of breast
- ovary -diagn.aspiration
- joint -diag.aspiration
- bone probe - diagn.
- diagnostic bronchial aspiration
- lacrimal probe - diagn.

SNOMED CT id: 277132007

procedure by intent
therapeutic procedure
therapeutic aspiration of liver
therapeutic arthroscopy
therapeutic endoscopic operations on uterus
therapeutic drainage of amniotic fluid
injection of therapeutic substance into skin
open instillation of therapeutic substance into pleura
therapeutic fiberoptic esophagoscopy
therapeutic rigid esophagoscopy
percutaneous imaging guided therapeutic drainage
therapeutic colonoscopy
therapeutic phlebotomy
XRT - Teletherapy
therapeutic spinal puncture
cryotherapy
therapeutic paraffin bath
injection of therapeutic agent
therapeutic pneumothorax
hyperthermia treatment
therapeutic block anesthesia
Epley maneuver
desensitization therapy (procedure)
acupuncture
hydrotherapy
control of hemorrhage
respiratory therapy
infertility therapy
gamma ray therapy
physical medicine procedure
hearing therapy AND/OR auditory rehabilitation
psychosocial procedure
therapeutic dilation and curettage of uterus
transcatheter therapy
therapeutic ultrasound
cardiopulmonary resuscitation
therapeutic procedure on soft tissue
fast-electron therapy
positron therapy
short distance and contact radiotherapy
radiotherapy: seeds into brain
radiotherapy: seeds into cavity
injection of therapeutic substance into cerebrospinal fluid
therapeutic epidural injection
rigid therapeutic bronchoscopy
therapeutic endoscopic operations on mediastinum
therapeutic endoscopic operations on duodenum
therapeutic endoscopic operations on jejunum
therapeutic proctoscopy
therapeutic endoscopic operations on liver using laparoscope
percutaneous transluminal injection of therapeutic substance into liver
therapeutic percutaneous operations on gallbladder
therapeutic endoscopic retrograde operations on pancreatic duct
therapeutic percutaneous attention to connection of bile duct
therapeutic percutaneous insertion of prosthesis into bile duct
therapeutic operations on bile duct along T tube track
therapeutic transluminal operations on vein
therapeutic nephroscopic operations on ureter

therapeutic endoscopic operations on outlet of female bladder
therapeutic endoscopic operations on ovary
therapeutic fetoscopic operations on fetus
therapeutic puncture of bone
continuous infusion of therapeutic substance
therapeutic aspiration procedure
emergency treatment
therapeutic plasma exchange
therapeutic ureteroscopic operations on ureter
thermotherapy
therapeutic endoscopic operations below trachea using fiberoptic bronchoscope
therapeutic endoscopic operations on ventricle of brain
therapeutic endoscopic operations on ileum
therapeutic percutaneous operations on pancreas
therapeutic transluminal operations on septum of heart
correction of misplacement
temporary implant radiotherapy
therapeutic aspiration of kidney
therapeutic aspiration - bladder
therapeutic aspiration of spermatocele
ovary - therap. asp.
lung - therap. asp.
therapeutic transluminal heart septostomy
epistaxis control
therapeutic aspiration of uterus - menstrual extraction
therapeutic aspiration of musculoskeletal system
therapeutic incision cyst
therapeutic aspiration - nervous system
therapeutic aspiration prostatic abscess
radiotherapy - internal
therapeutic regimen
grooming procedure
hand therapy
teletherapy with dual headed cobalt unit
microtron electron teletherapy
strontium 90 electron teletherapy
iodine 131 meta-iodobenzylguanidine therapy
injection of therapeutic substance into brain tissue
therapeutic drainage from ventricle of brain
therapeutic puncture of cisterna magna
gastric lavage with instillation of therapeutic substance
therapeutic barium enema
medical therapies
teleradiotherapy particulate radiation
injection of therapeutic substance around peripheral nerve
wrapping
therapeutic aspiration of hydrocele
functional endoscopic sinus surgery - therapeutic endoscopy of nose and sinus
therapeutic endoscopic operations on pharynx
massive blood transfusion
instillation of therapeutic substance into bladder
rest, ice, compression and elevation treatment program
therapeutic fiberoptic endoscopic operations on trachea
therapeutic endoscopy of urethra
empirical therapy
treatment modification
combined diagnostic and therapeutic

SNOMED CT id: 169443000

procedure by intent
preventive procedure
coronary heart disease annual review
drug prophylaxis
bleeding precautions
verification routine
isolation procedure
prescription of prophylactic antibiotic
preventive patient evaluation
infection control procedure
prescription of prophylactic anti-malarial
prescription of prophylactic anticoagulant
patient reviewed
Health promotion
preventing injury
stillbirth [prevention record]
preventive procedure NOS
accident prevention
stroke prevention
suicide precautions
intermittent pneumatic calf-thigh compression
antiamebic drug prophylaxis
Anthelmintic drug prophylaxis
preventive dental service AND/OR procedure
preventing pain
pressure sore prevention
prophylactic chemotherapy
prophylactic treatment of ulna with methyl methacrylate
prophylactic treatment of humerus with methyl methacrylate
administration of prophylactic medication
prophylactic treatment of femur
prophylactic treatment of tibia with methyl methacrylate
prophylactic treatment of clavicle with methyl methacrylate
placing bedrails
seizure precautions
prophylactic treatment of radius with methyl methacrylate
dietary prophylaxis
inorganic salt/vitamin prophylaxis

Pending domain recommendations

SNOMED CT id: 225419007

screening, monitoring and surveillance

surveillance

surveillance of condition

maintains continuous surveillance

infection surveillance

infection surveillance NOS

surveillance of contact

surveillance of carrier

"Monitoring procedure "SNOMED CT Id: 239516002

"screening, monitoring and surveillance " SNOMED CT ID: 309297008

- regimes and therapies
- screening, monitoring and surveillance
- self-monitoring
- monitoring of patient
- surveillance
- monitoring procedure

SNOMED CT id: 225419007

- screening, monitoring and surveillance
- surveillance
- surveillance of condition
- maintains continuous surveillance
- infection surveillance
- infection surveillance NOS
- surveillance of contact
- surveillance of carrier

SNOMED CT Id: 362964009

procedure by intent
palliative procedure
palliative procedure for pancreatic pain relief
palliative care
palliative course of radiotherapy
palliative course of deep X-ray therapy

SNOMED CT Id: 103693007

- procedure by intent
- investigations
 - diagnostic procedure
 - taking of swab
 - diagnostic video sound tape
 - diagnostic physical therapy procedure
 - diagnostic injection of sinus tract
 - diagnostic endoscopy
 - diagnostic procedure by site
 - procedure aiding diagnosis
 - miscellaneous diagnostic tests
 - hypnosis for diagnosis
 - ultraviolet photography
 - infrared radiation in diagnosis
 - diagnostic use of electricity
 - magnetic field for diagnosis
 - diagnostic medical procedure
 - exercise tolerance test
 - interview, history AND/OR physical examination
 - nuclear medicine diagnostic procedure
 - fat absorption test
 - calculus analysis, quantitative, X-ray diffraction
 - diagnostic imaging
 - special diagnostic procedures
 - sleep studies
 - exploratory diagn. procedures
 - diagnostic probing
 - diagnostic dye introduction
 - lung volume test
 - lung volume testing
 - diagnostic procedure NOS

SNOMED CT Id: 20135006

procedure by intent
screening procedure
screening for disorder
screening at times of life
Downs screening test
coronary heart disease annual review
opportunistic screening
cohort screening
combined opportunistic and cohort screening
screening mammography
screening for venereal disease
multiphasic screening procedure
vital capacity screening test
neonatal screening
screening - general
radiation exposure screening
urine screening
exercise status screening
spirometry screening
mobility screening
new patient screening
well person screening
lifestyle screening
pre-employment screening
immunization status screening
chemical/poison screening
screening NOS
Down's maternal screening

PHIN Domain Information:

Domain Name: Medications

Domain Id:11

Definition (Scope):

Medication related concepts. Please see the sub-domains / table mentioned below.

Date Created:05/09/2005

Date Revised: 05/09/2005

Standard Vocabulary Identification Status: Incomplete / partial

PHIN Comments:

PHIN VS team has not analyzed the medications domain in detail.

CHI related information:

CHI Report hyperlink:

<http://www.whitehouse.gov/omb/egov/c-3-6-chi.html>

CHI Comments: see the individual reports

PHIN Recommended Coding System Information:

Code System Name: See the sub-domains and the table mentioned below.

Code System Reference: see the sub-domains for more information.

Code System Hyperlink: see the sub-domains for more information.

Summary

Domain: Medications

Sub-Domain: Drug Classifications

Standards Adoption Recommendation:

National Drug File Reference Terminology (NDF-RT)

(for Physiologic Effect & Mechanism of Action)

SCOPE

One of the desired qualities of a standardized medication terminology is the inclusion of hierarchical structures to categorize each medication, such as: mechanism of action, physiologic effects, intended therapeutic use, chemical structures, pharmacological properties, and FDA approved indications.

RECOMMENDATION

The National Drug File Reference Terminology (NDF-RT) classification scheme for the areas of Physiologic Effect and Mechanism of Action.

The Veterans Administration developed the NDF-RT.

Summary

Domain: Medications

Sub-Domain: Structured Product Labeling Sections

Standards Adoption Recommendation:

Logical Observation Identifier Names and Codes (LOINC®)

SCOPE

The major purpose of the SPL specification is to facilitate the submission, review, storage, dissemination, and access to product labeling information. It is intended to:

Provide labeling information electronically, in a human readable text format that can be exchanged across systems without additional transformation steps.

Improve dissemination of product labeling critical to improving risk management of regulated products.

Use standards to improve integration of clinical data.

Enhance patient safety by enhancing integration of labeling information with other technical and clinical applications.

RECOMMENDATION

LOINC® Clinical SPL section terminology upon gaining approval status by HL7® for the SPL specification and upon incorporation of the terminology into LOINC® (Update April 04: approved and available).

Summary

Domain: Medications

Sub-Domain: Drug Product

Standards Adoption Recommendation:

FDA's National Drug Code (NDC)

SCOPE

The purpose of this standard is to enable the federal health care sector to share information regarding drug products.

RECOMMENDATION

Food and Drug Administration's (FDA) National Drug Code (NDC) Product Name/Code

OWNERSHIP

FDA owns the standard, it is managed through a two-step process: the FDA first assigns a labeler code to a firm, and then the firm assigns a product code to its drug product.

APPROVALS AND ACCREDITATIONS

All drug products marketed in the United States must comply under regulations managed by FDA.

ACQUISITION AND COST

The NDC list of products and their codes is freely available electronically from the FDA without a licensing agreement at <http://www.fda.gov/cder/ndc/index.htm>, and has been used domestically and internationally for electronic drug transactions for over 30 years.

Domain: Medications

Sub-Domain: Package

Standards Adoption Recommendation:

FDA/CDER Data Standards Manual

SCOPE

The purpose of this standard is to enable the federal health care sector to share information regarding drug packages.

RECOMMENDATION

Package name/code as defined in the FDA/CDER Data Standards Manual

OWNERSHIP

The recommended standards are in the public domain, and are administered by the FDA.

APPROVALS AND ACCREDITATIONS

The FDA has regulatory authority over drug package data. The FDA owns the standard, and manages it through two FDA peer-review committees (composed largely of pharmacists and chemists) who consult with both FDA medical officers and with the USP Expert Committees about matters that pertain to drug packaging. It is in widespread use by the Food and Drug Administration (FDA) and is distributed with the National Drug Code.

ACQUISITION AND COST

All package terms are readily available through the FDA's website, and are in the public domain---available at <http://www.fda.gov/cder/dsm/drg/Drg00907.htm>

Summary

Domain: Medications

Sub-Domain: Active Ingredients

Standards Adoption Recommendation:

FDA Established Name for active ingredient &

FDA Unique Ingredient Identifier (UNII) codes.

SCOPE

The purpose of this standard is to enable the federal health care sector to share information regarding medication active ingredients. An active ingredient is a substance responsible for the effects of a medication. Frequently, an active ingredient is a known chemical substance. Known chemical substances may be called by the base substance (e.g. propranolol), or by a base substance – salt combination (e.g. propranolol hydrochloride). In certain instances the structure of the ingredient is not known precisely. For example, beef gelatin is a complex molecular mixture defined by the process used to create it.

RECOMMENDATION

FDA Established Name for active ingredient & FDA Unique Ingredient Identifier (UNII) codes.

OWNERSHIP

The recommended standards are in the public domain, and are administered by the FDA.

APPROVALS AND ACCREDITATIONS

FDA

ACQUISITION AND COST

FDA Established Names and the UNII codes are free from FDA and will also be available from the NLM.

Domain: Medications

Sub-Domain: Clinical Drug

Standards Adoption Recommendation:

Semantic Clinical Drug (SCD) of RxNorm

SCOPE

The purpose of this standard is to enable the federal health care sector to share information regarding medication active ingredients.

A “clinical drug” is a name for a pharmaceutical preparation consisting of its component(s), defined as active ingredients and their strength, together with the dose form of the drug as given to the patient. It expresses the equivalence of pharmaceutical preparations at a generic level, in the form in which medications are prescribed for the patient.

RECOMMENDATION

The CHI Medications subgroup has identified the Semantic Clinical Drug (SCD) of RxNorm, a portion of the UMLS® as the CHI standard for clinical drug nomenclature. .

OWNERSHIP

The National Library of Medicine has primary responsibility for the RxNorm terminology. As steward, NLM works in close collaboration with other governmental agencies (e.g. the VA, and the FDA, with the private sector (e.g. First Databank, Micromedex, Multum, Medispan) and other Nations (e.g. Britain, and Australia).

APPROVALS AND ACCREDITATIONS

RxNorm is a public domain system developed by the NLM in conjunction with the VA and the FDA, and in consultation with HL7®.

ACQUISITION AND COST

RxNorm is distributed via UMLS® without restriction.

Summary

Domain: Medications

Sub-Domain: Manufactured Dosage Form

Standards Adoption Recommendation:

FDA/CDER Data Standards Manual

SCOPE

The purpose of this standard is to enable the federal health care sector to share information regarding drug dosage forms. A manufactured dosage form is the way of identifying the drug in its physical form. A 1999 Food and Drug Administration (FDA) Draft Guidance for Industry states, "A dosage form is the way of identifying the drug in its physical form". In determining dosage form, FDA examines such factors as (1) physical appearance of the drug product, (2) physical form of the drug product prior to dispensing to the patient, (3) the way the product is administered, (4) frequency of dosing, and (5) how pharmacists and other health professionals might recognize and handle the product.

RECOMMENDATION

FDA/CDER Data Standards Manual

OWNERSHIP

FDA owns the standard, and manages it through two FDA peer-review committees (composed largely of pharmacists and chemists) who consult with both FDA medical officers and with the USP Expert Committee on Nomenclature and Labeling about matters that pertain to dosage form.

APPROVALS AND ACCREDITATIONS

Section 502(e)(3) of the Food Drug and Cosmetic Act, requires the FDA to regulate the drug dosage form.

ACQUISITION AND COST

All dosage form terms are readily available through the FDA's website, and are in the public domain via the FDA's CDER's website at: <http://www.fda.gov/cder/dsm/DRG/drg00201.htm>

PHIN Domain Information:

Domain Name: Chemicals

Domain Id:12

Definition (Scope):

To provide codes for chemicals of importance to health care outside of medications, which were covered in the CHI Medication standard. The workgroup feels that for health care purposes these chemicals will be those found in the workplace or the environment that might be related to health. Commonly the first, and perhaps only use, of a chemical code would be during a first encounter and perhaps be part of a History and Physical.

Date Created:05/09/2005

Date Revised: 05/09/2005

Standard Vocabulary Identification Status: Incomplete (partial)

PHIN Comments:

PHIN VS team has not analyzed the chemicals domain in detail.

CHI related information:

CHI Report hyperlink:

http://www.whitehouse.gov/omb/egov/documents/chem_full_public.doc

CHI Comments: Refer to the table mentioned below. See the individual medication sub-domain reports.

PHIN Recommended Coding System Information:

Code System Name: See the sub-domains and the table mentioned below.

Code System Reference: see the sub-domains for more information.

Code System Hyperlink: see the sub-domains for more information.

SCOPE

To provide codes for chemicals of importance to health care outside of medications, which were covered in the CHI Medication standard. The workgroup feels that for health care purposes these chemicals will be those found in the workplace or the environment that might be related to health. Commonly the first, and perhaps only use, of a chemical code would be during a first encounter and perhaps be part of a History and Physical.

Range of Coverage

Within the recommended vocabulary, what portions of the standard are complete and can be implemented now? (300 words or less)

The Standard in this new format and in previous formats has been widely used, maintained and available from the EPA for a number of years. The Standard has information for STorage RETrieval for Water Quality Data (STORET), Air Quality System (AQS), National Emission Inventory (NEI), and EPA Registry Names, substance lists for Green Chemistry Expert System (GCES), Chemical on Reporting Rules (CORR), Emergency Response Notification System (ERNS), Federal Insecticide, Fungicide, and Rodenticide Act Inert Ingredients in Pesticide Products (FIFRA-Inerts), Integrated Taxonomic Information System (ITIS), Safe Drinking Water Information System-Enviro (SDWIS-Enviro), OPP Registration Eligibility Decisions (OPP-REDS), Permit Compliance System-Enviro (PCS-Enviro), and Pesticide Product Information System (PPIS). Previous EPA registries, the Chemical Registry System (CRS) and the Biology Registry System (BioRS) have been retired with full function included in this

standard.

Gaps

Identify the gaps in data, vocabulary or interoperability.

Essential gaps that need resolution before removing conditional recommendation:

Establishing interagency communication so that medical needs are addressed in a timely and coordinated fashion. . (It is the Workgroup's understanding that this communication has started.)

Developing a mechanism so that similar tables from other agencies can be matched against the SRS table and missing elements added. (Note: this will require new, unidentified resources.)

Investigate availability of a subset or view of information from the database in an acceptable format for healthcare use as a no or low-cost distribution item. (EPA is willing to provide this view as a periodically updated, perhaps every six-months, compressed file for Internet download.)

Requirement for registering an Object Identifier (OID) if it is to be used in HL7® messaging.

Gaps identified that need addressing but do not prevent acceptance:

A task EPA is still undertaking is a review of the commonly regulated chemicals and the selection from the many synonyms available of an EPA Preferred Name. In the process we're identifying ambiguities in naming (the same name applied to multiple chemicals) or in some instances a program used a name that is not appropriate for a particular chemical (e.g., its a name used by a completely different chemical).

These kind of problems really highlight the need for an Agency-wide system like SRS and the need for someone to review any changes to chemical content in SRS.

Introduction of common chemical download format such as the MOLFIL or developing CXML (Chemical XML).

PHIN Domain Information:

Domain Name: Genes and Proteins

Domain Id:13

Definition (Scope):

To allow the federal health care sector to exchange information regarding the role of genes in biomedical research and healthcare, using a single unambiguous genetic nomenclature.

Date Created:05/09/2005

Date Revised: 05/09/2005

Standard Vocabulary Identification Status: Complete

PHIN Comments: PHIN VS team has not analyzed this domain in detail.

CHI related information:

CHI Report hyperlink:

http://www.whitehouse.gov/omb/egov/documents/genes_public_full.doc

CHI Comments: No recommendation for protein nomenclature. HUGN is free for nonprofit use, but requires a license for commercial use.

Gaps

While the HUGN represents a useful genetic nomenclature, it will not address every vocabulary need in this field. In order to analyze these needs in a systematic manner, the group has divided genes and proteins into three domains: inherited phenotypes, acquired genetic mutations, and infectious disease. Human disease states are complex and may frequently involve more than one domain. Realizing that the genomic map and genome nomenclature is a developing basic science standard that will be maintained by NCBI and HUGO, we have focused on healthcare delivery and looked backward towards translational and basic research rather than the opposite approach. Further, genomic medicine will require the use of many other vocabularies that CHI has studied. For example, it may be more advantageous to expand a known list of diseases and clinical conditions to include pharmacogenomic concepts related to drug metabolism, rather than create a domain-specific vocabulary *de novo*. Similarly expressing pharmacogenomic concepts would require a vocabulary for medications. Thus the committee recommends a follow up effort during the next phase of the CHI initiative to determine when existing vocabularies can be expanded to fill this need (and if so how), or when additional vocabularies may need to be developed. Further the committee strongly recommends that NLM and NIH contractors (such as OMIM and GeneTest) be encouraged to both participate in this process and required to implement these vocabularies in a timely manner. The work group has concluded that current efforts appear dispersed and that such follow on action is critical if translational research is to occur in a timely manner. With this background a brief summary of the three domains is presented.

Inherited Genetic Variation: This is an extremely important domain, and its clinical uses include genetic diseases as well as pharmacogenomics etc. Currently there are several databases with a substantial user base. Examples include OMIM, GeneTest and HUGE Net. Issues identified in examining these data base efforts include content, vocabulary structure and ability to integrate other standards. OMIM (operating out of Johns Hopkins University under NLM/NIH contract) curates the literature and assigns an OMIM number to specific phenotypes. These OMIM numbers are then linked to a name, a text review of the literature, and in collaboration with the University of Washington, a gene test list that provides information regarding laboratories running relevant assays. OMIM is widely referenced and is a featured link in many NIH related websites. Its summaries are textual and do not use a structured vocabulary. GeneTest allows users to determine where to find the actual testing services for a genetic disease as well as additional information regarding the disease itself. HUGH Net is a CDC initiative that consists of a database of disease susceptibility genes. None of these three databases uses a formally structured vocabulary. Examples for follow on activity in this field include expanding LOINC[®] codes when necessary to cover genetic test, the use of SNOMED CT[®] as a source for naming inherited genomic traits including diseases. A careful comparison of disease states and genetic phenotypes found in OMIM/GeneTest with those available in SNOMED CT[®] and UMLS[®] would be a substantive contribution on this area. The GeneTest group has developed XML DTDs to better structure the free text found in its database. Extending this approach and integrating it with structured vocabularies when feasible represents a very useful approach that should be considered.

Acquired Genetic Changes: This area focuses on acquired genetic changes that are typically found in malignant disease. Unlike genetic variation above, the group has not found a suitable standard. The NCI Thesaurus is currently in limited use for such purposes within NCI, but it is not ready for wider clinical use. NCI is continuing development and refinement of the Thesaurus. In time NCI expects that the Thesaurus will be a viable candidate standard, and within 6 months expects to have a version of the NCI Thesaurus in production that ought to be reviewed for adequacy as a CHI standard. Currently, there are relatively few acquired changes that are known to be clinically significant. This is an area of translational research, which may increase rapidly in clinical importance.

Obstacles

The success of the HUGN will require continued funding (from the NIH and the UK), and active management.

PHIN Recommended Coding System Information:

Code System Name: Human Gene Nomenclature (HUGN)

Code System Version:

Code System Reference :

Code System Hyperlink:

<http://www.gene.ucl.ac.uk/nomenclature/information/commercial.html>

Enumeration:

PHIN Domain Information:

Domain Name: Modifier And/Or Qualifier

Domain Id:14

Definition (Scope):

List of concepts that would modify or qualify the concepts. These concepts are usually post-coordinated with other concepts. These concepts could be used in multiple contexts, such as response to a question.

Date Created:05/09/2005

Date Revised: 05/09/2005

Standard Vocabulary Identification Status: Complete

PHIN Comments:

CHI has not given any recommendation for this domain. But, CHI has recommended the modifier/ qualifier domain from SNOMED CT to use along with anatomical concepts. PHIN Vocabulary team has identified the SNOMED modifier / qualifier sub-domains that would be commonly by PHIN applications.

CHI related information:

CHI Report hyperlink:

http://www.whitehouse.gov/omb/egov/documents/aandp_full_public.doc

CHI Comments:

The Workgroup also notes that many anatomy concepts require the post-coordination of modifier terms to anatomical concepts. At present, a common, understandable way of post-coordinating terms does not exist. An example of an anatomical term that will require post-coordination rules to be understood is "Status post colonoscopy and polypectomy adenomatous polyp 1.5 cm at 10 cm in sigmoid colon, benign." Until rules are developed for post-coordination , full use of an anatomy terminology will be limited. This gap has already been noted to the National Committee of Vital and Health Statistics as part of their investigations into Patient Medical Record Information terminologies.

Note about Modifiers: Many modifiers or "attributes" of a diagnosis or problem often accompany the concept itself. These attributes are as a rule not well defined or standardized. Furthermore, the attributes represent the diagnosis at just one of many possible arbitrary slices in time (i.e., "final" is truly in the eyes of the beholder). The term "Modifiers and Descriptors" above refers to a grouping of these terms rather than attempting to list each specific one. The scope of this report does not cover any of these attributes.

There will be reasonable debate among informaticists about exactly how to define each, which are truly distinct attributes and which overlap, what is each one's proper domain values, whether it should be handled in a reference terminology as defined relationships or within the information model or a bit of both, etc.

Diagnosis Descriptors, Modifiers, Related Information

These may either be handled as a defined relationship to an attribute within the terminology or within the information model as a classic attribute, or a bit of both. For now, the workgroup considered these out of scope and is including here only to note they exist and to indicate they will have to be further developed within a terminology (e.g., SNOMED-CT®) or within the information model for an IT system.

PHIN Recommended Coding System Information:

Code System Name: SNOMED CT

Code System Version: 0207core and later

Code System Reference : 370227000

Code System Hyperlink:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=R-4000E&bookmarktag=2

Enumeration:

PHIN "Modifier And/Or Qualifier" Sub-domains:

Sub-domain	Standard	Comments / Examples
Units of Measure (qualifier)	HL7® derived from ISO 2955–83 and ANSI X3.50	?? UCUM. E.g. mg, mg/dl, week, meq/kg, mg/day, gram (creatinine)
Presence Findings (qualifier)	SNOMED CT	e.g. Positive, Present, Seen, Detected, +, +++
Absence Findings (qualifier)	SNOMED CT	e.g. Absent, Negative, Not isolated, not seen, none
Normality Findings (qualifier]	SNOMED CT	e.g. Normal, Abnormal, Borderline normal
Additional Values (qualifier)	SNOMED CT	e.g. Alphanumerics, Greek Letters, Numbers, alphabets
Degree Findings (qualifier)	SNOMED CT	e.g. Small, increase, high, significant
General Adjectival modifier	SNOMED CT	e.g. Soft, Rare, Malignant, Thick
Time Frame (qualifier)	SNOMED CT	e.g. Morning, 12 hours, daily, weekly, infrequent
Time patterns (qualifier)	SNOMED CT	e.g. Acute, recurrent, hospital-acquired, tertiary

PHIN Vocabulary Domain Name : **Units of Measure (ISO)**

PHIN Vocabulary Domain Code : UnitsOfMeasure_ISO

PHIN Vocabulary Domain ID :212

PHIN Vocabulary Domain Definition : List of codes representing the units of measure.

PHIN Vocabulary Domain Keywords : Units, Unit, ISO Units of Measure, UNIT_ISO, 7.4.2.6

OBX-6 Units (CE) 00574

Date Created :04/25/2005

Date Revised :04/25/2005

Code System Identification Status: Complete

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/lrc_and_units_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments:

UMLS® CUIs were found for most common laboratory units. They exist in the section “Quantitative Concepts” of which approximately 3190 exist, most not laboratory related. Most of the UMLS® codes derive from the Read code system that was subsumed by SNOMED® and hence exist, even more extensively, in SNOMED CT®. Note – these are not Category 0 codes until the US license for SNOMED CT® goes into effect. The SNOMED® codes are found under Quantifier Value:Unit.

Additional unit descriptions, but not codes are found in various standards used by HL7® derived from ISO 2955–83 (withdrawn by ISO in 2001) and ANSI X3.50. Inclusion in the HL7® documentation without restriction indicates free use for interchange messaging. HL7® defines a number of common relative units used in medicine such as mg/dL and the ISO/ANSI standards define ways to create others from core units. These combined and core units include mixed case forms where appropriate. While a complete analysis of the HL table was not conducted against all possible units, investigation of the laboratory domain and a quick review of other areas of medicine indicates it is sufficient to recommend.

Recommended Code System : HL7

Recommended Code System Version: Version 2.5

Recommended Code System Reference ID : Chapter 7, Section 4.2.6, Figure 7-6, Figure 7-7, Figure 7-8

Recommended Code System Hyperlink :

(1) Download all balloted chapters of HL7 version 2.5 in word document (doc) format:

https://www.hl7.org/memonly/v25/membership2/v25_completeness_package_wordformat.zip

(2) Download all balloted chapters of HL7 version 2.5 in PDF format:

https://www.hl7.org/memonly/v25/membership2/v25_completeness_package_pdfformat.zip

(3) Download Individual Chapters of HL7 Version 2.5 in word / pdf format:

<https://www.hl7.org/memonly/v25/membership2/index.cfm>

Recommended Code System Concept Enumeration: Complete (This is presented

for illustrative purposes only)

7.4.2.6 OBX-6 Units (CE) 00574

Figure 7-6. ISO single case units abbreviations

Units	Abbreviation	Units	Abbreviation	Units	Abbreviation
Base units code/abbreviations					
ampere	a	kelvin	k	meter	m
candela	cd	kilogram	kg	mole	mol
				second	s
Derived units with specified name and abbreviation					
coulomb	c	hour	hr	pascal	pal
day	d	joule	j	volt	v
degree Celsius	cel	minute (ti)	min	watt	w
farad	f	newton	n	weber	wb
hertz	hz	ohm	ohm	year	ann
Other units					
atomic mass unit	u	grey	gy	minute of arc	mnt
bel	b	henry	h	radian	rad
decibel	db	liter	l	siemens	sie
degree	deg	lumen	lm	steradian	sr
gram	g	lux	lx	tesla	t

See ISA 2955-1983 for full set

Figure 7-7. ANSI+ unit codes for some U.S. customary units

Units	Abbreviation	Units	Abbreviation	Units	Abbreviation
LENGTH		VOLUME		TIME	
Inch	in	cubic foot	cft	year	yr
Foot	ft	cubic inch	cin	month	mo
mile (statute)	mi	cubic yard	cyd	week	wk
Nautical mile	nmi	tablespoon	tbs	day	d
Rod	rod	teaspoon	tsp	hour	hr
Yard	yd	pint	pt	minute	min
		quart	qt	second	sec
		gallon	gal		
		ounce (fluid)	foz		
AREA		MASS			
square foot	sqf	dram	dr		
square inch	sin	grain	gr (avoir)		
square yard	syd	ounce (weight)	oz		
		pound	lb		
Other ANSI units, derived units, and miscellaneous					
**British thermal unit	btu	**degrees fahrenheit	degf	**millirad	mrad
cubic feet/minute	cft/min	**feet/minute	ft/min	**RAD	rad

Note: the abbreviations for conventional U.S. units of time are the same as ISO, except for year. ISO = ANN, AMSI = yr. The metric units in X3.50 are the same as ISO, except for: pascal ("pa" in ANSI, "pal" in ISO); ANSI uses "min" for both time and arc while ISO uses "mnt" for minutes of arc; and in ISA seconds are abbreviated "s", in ANSI, "sec".

This list is not exhaustive. Refer to ANSI X3.50-1986, Table 1, for other metric and standard U.S. units.

**Non-metric units not explicitly listed in ANSI

Figure 7-8. Single case ISO abbreviations for multiplier prefixes

Prefix		Code	Prefix		Code
yotta*	10 ²⁴	ya	yocto	10 ⁻²⁴	y
zetta*	10 ²¹	za	zepto	10 ⁻²¹	z
exa	10 ¹⁸	ex	atto	10 ⁻¹⁸	a
peta	10 ¹⁵	pe	femto	10 ⁻¹⁵	f
tera	10 ¹²	t	pico	10 ⁻¹²	p
giga	10 ⁹	g	nano	10 ⁻⁹	n
mega	10 ⁶	ma	micro	10 ⁻⁶	u
kilo	10 ³	k	milli	10 ⁻³	m
hecto	10 ²	h	centi	10 ⁻²	c
deca	10 ¹	da	deci	10 ⁻¹	d

*These abbreviations are not defined in the ISO specification for single case abbreviations.

Common ISO derived units and *ISO extensions

Code/Abbr.	Name
/(arb_u)	*1 / arbitrary unit
/iu	*1 / international unit
/kg	*1 / kilogram
/L	1 / liter
1/mL	*1 / milliliter
10.L/min	*10 x liter / minute
10.L/(min.m2)	*10 x (liter / minute) / meter ² = liter / (minute x meter ²)
10*3/mm3	*10 ³ / cubic millimeter (e.g., white blood cell count)
10*3/L	*10 ³ / Liter
10*3/mL	*10 ³ / milliliter
10*6/mm3	*10 ⁶ / millimeter ³
10*6/L	*10 ⁶ / Liter
10*6/mL	*10 ⁶ / milliliter
10*9/mm3	*10 ⁹ / millimeter ³
10*9/L	*10 ⁹ / Liter
10*9/mL	*10 ⁹ / milliliter
10*12/L	*10 ¹² / Liter

10*3(rbc)	*1000 red blood cells†
a/m	Ampere per meter
(arb_u)	*Arbitrary unit
bar	Bar (pressure; 1 bar = 100 kilopascals)
/min	Beats Per Minute
bq	Becquerel
(bdsk_u)	*Bodansky Units
(bsa)	*Body surface area
(cal)	*Calorie
1	*Catalytic Fraction
/L	Cells / Liter
cm	Centimeter
cm_h20	* Centimeters of water =H ₂ O (pressure)
cm_h20.s/L	Centimeters H ₂ O / (liter / second) = (centimeters H ₂ O × second) / liter (e.g., mean pulmonary resistance)
cm_h20/(s.m)	(Centimeters H ₂ O / second) / meter = centimeters H ₂ O / (second × meter) (e.g., pulmonary pressure time product)
(cfu)	*Colony Forming Units
m3/s	Cubic meter per second
d	Day
db	Decibels
dba	*Decibels a Scale
cel	Degrees Celsius
deg	Degrees of Angle
(drop)	Drop
10.un.s/cm5	Dyne × Second / centimeter ⁵ (1 dyne = 10 micronewton = 10 un) (e.g., systemic vascular resistance)
10.un.s/(cm5.m2)	((Dyne × second) / centimeter ⁵) / meter ² = (Dyne × second) / (centimeter ⁵ × meter ²) (1 dyne = 10 micronewton = 10 un) (e.g., systemic vascular resistance/body surface area)
ev	Electron volts (1 electron volt = 160.217 zeptojoules)
eq	Equivalent
f	Farad (capacitance)
fg	Femtogram
fL	Femtoliter
fmol	Femtomole
/mL	*Fibers / milliliter
g	Gram
gd	*Gram / Day
g/dL	Gram / Deciliter
g/hr	Gram / Hour
g/(8.hr)	*Gram / 8 Hour Shift
g/kg	Gram / Kilogram (e.g., mass dose of medication per body weight)

g/(kg.d)	(Gram / Kilogram) / Day = gram / (kilogram × day) (e.g., mass dose of medication per body weight per day)
g/(kg.hr)	(Gram / Kilogram) / Hour = gram / (kilogram × hour) (e.g., mass dose of medication per body weight per hour)
g/(8.kg.hr)	(Gram / Kilogram) / 8 Hour Shift = gram / (kilogram × 8 hour shift) (e.g., mass dose of medication per body weight per 8 hour shift)
g/(kg.min)	(Gram / Kilogram) / Minute = gram / (kilogram × minute) (e.g., mass dose of medication per body weight per minute)
g/L	Gram / Liter
g/m ²	Gram / Meter ² (e.g., mass does of medication per body surface area)
g/min	Gram / Minute
g.m/(hb)	Gram × meter / heart beat (e.g., ventricular stroke work)
g.m/((hb).m ²)	(Gram × meter/ heartbeat) / meter ² = (gram × meter) / (heartbeat × meter ²) (e.g., ventricular stroke work/body surface area, ventricular stroke work index)
g(creat)	*Gram creatinine
g(hgb)	*Gram hemoglobin
g.m	Gram meter
g(tot_nit)	*Gram total nitrogen
g(tot_prot)	*Gram total protein
g(wet_tis)	*Gram wet weight tissue
gy	Grey (absorbed radiation dose)
hL	Hectaliter = 10 ² liter
h	Henry
in	Inches
in_hg	Inches of Mercury (=Hg)
iu	*International Unit
iu/d	*International Unit / Day
iu/hr	*International Unit / Hour
iu/kg	International Unit / Kilogram
iu/L	*International Unit / Liter
iu/mL	*International Unit / Milliliter
iu/min	*International Unit / Minute
j/L	Joule/liter (e.g., work of breathing)
kat	*Katal
kat/kg	*Katal / Kilogram
kat/L	*Katal / Liter
k/watt	Kelvin per watt
(kcal)	Kilocalorie (1 kcal = 6.693 kilojoule)
(kcal)/d	*Kilocalorie / Day
(kcal)/hr	*Kilocalorie / Hour

(kcal)/(8.hr)	*Kilocalorie / 8 Hours Shift
kg	Kilogram
kg(body_wt)	* kilogram body weight
kg/m ³	Kilogram per cubic meter
kg/h	Kilogram per hour
kg/L	Kilogram / liter
kg/min	Kilogram per minute
kg/mol	Kilogram / mole
kg/s	Kilogram / second
kg/(s.m ²)	(Kilogram / second)/ meter ² = kilogram / (second × meter ²)
kg/ms	Kilogram per square meter
kg.m/s	Kilogram meter per second
kpa	Kilopascal (1 mmHg = 0.1333 kilopascals)
ks	Kilosecond
(ka_u)	King-Armstrong Unit
(knk_u)	*Kunkel Units
L	Liter
L/d	*Liter / Day
L/hr	Liter / hour
L/(8.hr)	*Liter / 8 hour shift
L/kg	Liter / kilogram
L/min	Liter / minute
L/(min.m ²)	(Liter / minute) / meter ² = liter / (minute × meter ²) (e.g., cardiac output/body surface area = cardiac index)
L/s	Liter / second (e.g., peak expiratory flow)
L.s	Liter / second / second ² = liter × second
lm	Lumen
lm/m ²	Lumen / Meter ²
(mclg_u)	*MacLagan Units
mas	Megasecond
m	Meter
m ²	Meter ² (e.g., body surface area)
m/s	Meter / Second
m/s ²	Meter / Second ²
ueq	*Microequivalents
ug	Microgram
ug/d	Microgram / Day
ug/dL	Microgram / Deciliter
ug/g	Microgram / Gram
ug/hr	*Microgram / Hour
ug(8hr)	Microgram / 8 Hour Shift
ug/kg	Microgram / Kilogram

mg/(kg.d)	(Microgram / Kilogram) / Day = microgram / (kilogram × day) (e.g., mass dose of medication per patient body weight per day)
mg/(kg.hr)	(Microgram / Kilogram) / Hour = microgram / (kilogram × hours) (e.g., mass dose of medication per patient body weight per hour)
mg/(8.hr.kg)	(Microgram / Kilogram) / 8 hour shift = microgram / (kilogram × 8 hour shift) (e.g., mass dose of medication per patient body weight per 8 hour shift)
mg/(kg.min)	(Microgram / Kilogram) / Minute = microgram / (kilogram × minute) (e.g., mass dose of medication per patient body weight per minute)
ug/L	Microgram / Liter
ug/m ²	Microgram / Meter ² (e.g., mass dose of medication per patient body surface area)
ug/min	Microgram / Minute
uiu	*Micro international unit
ukat	*Microkatel
um	Micrometer (Micron)
umol	Micromole
umol/d	Micromole / Day
umol/L	Micromole / Liter
umol/min	Micromole / Minute
us	Microsecond
uv	Microvolt
mbar	Millibar (1 millibar = 100 pascals)
mbar.s/L	Millibar / (liter / second) =(millibar × second) / liter (e.g., expiratory resistance)
meq	*Milliequivalent
meq/d	*Milliequivalent / Day
meq/hr	*Milliequivalent / Hour
meq/(8.hr)	Milliequivalent / 8 Hour Shift
meq/kg	Milliequivalent / Kilogram (e.g., dose of medication in milliequivalents per patient body weight)
meq/(kg.d)	(Milliequivalents / Kilogram) / Day = milliequivalents / (kilogram × day) (e.g., dose of medication in milliequivalents per patient body weight per day)
meq/(kg.hr)	(Milliequivalents / Kilogram) / Hour = milliequivalents / (kilogram × hour) (e.g., dose of medication in milliequivalents per patient body weight per hour)
meq/(8.hr.kg)	(Milliequivalents / Kilogram) / 8 Hour Shift = milliequivalents / (kilogram × 8 hour shift) (e.g., dose of medication in milliequivalents per patient body weight per 8 hour shift)
meq/(kg.min)	(Milliequivalents / Kilogram) / Minute = milliequivalents / (kilogram × minute) (e.g., dose of medication in milliequivalents per patient body weight per minute)
meq/L	Milliequivalent / Liter

	Milliequivalent / Meter ² (e.g., dose of medication in milliequivalents per patient body surface area)
meq/min	Milliequivalent / Minute
mg	Milligram
mg/m ³	Milligram / Meter ³
mg/d	Milligram / Day
mg/dL	Milligram / Deciliter
mg/hr	Milligram / Hour
mg/(8.hr)	Milligram / 8 Hour shift
mg/kg	Milligram / Kilogram
mg/(kg.d)	(Milligram / Kilogram) / Day = milligram / (kilogram × day) (e.g., mass dose of medication per patient body weight per day)
mg/(kg.hr)	(Milligram / Kilogram) / Hour = milligram / (kilogram × hour) (e.g., mass dose of medication per patient body weight per hour)
mg/(8.hr.kg)	(Milligram / Kilogram) / 8 Hour Shift = milligram / (kilogram × 8 hour shift) (e.g., mass dose of medication per patient body weight per 8 hour shift)
mg/(kg.min)	(Milligram / Kilogram) / Minute = milligram / (kilogram × minute) (e.g., mass dose of medication per patient body weight per hour)
mg/L	Milligram / Liter
mg/m ²	Milligram / Meter ² (e.g., mass dose of medication per patient body surface area)
mg/min	Milligram / Minute
mL	Milliliter
mL/cm_h20	Milliliter / Centimeters of Water (H ₂ O) (e.g., dynamic lung compliance)
mL/d	*Milliliter / Day
mL/(hb)	Milliliter / Heart Beat (e.g., stroke volume)
mL/((hb).m2)	(Milliliter / Heart Beat) / Meter ² = Milliliter / (Heart Beat × Meter ²) (e.g., ventricular stroke volume index)
mL/hr	*Milliliter / Hour
mL/(8.hr)	*Milliliter / 8 Hour Shift
mL/kg	Milliliter / Kilogram (e.g., volume dose of medication or treatment per patient body weight)
mL/(kg.d)	(Milliliter / Kilogram) / Day = milliliter / (kilogram × day) (e.g., volume dose of medication or treatment per patient body weight per day)
mL/(kg.hr)	(Milliliter / Kilogram) / Hour = milliliter / (kilogram × hour) (e.g., volume dose of medication or treatment per patient body weight per hour)
mL/(8.hr.kg)	(Milliliter / Kilogram) / 8 Hour Shift = milliliter / (kilogram × 8 hour shift) (e.g., volume dose of medication or treatment per body weight per 8 hour shift)

mL/(kg.min)	(Milliliter / Kilogram) / Minute = milliliter / (kilogram × minute) (e.g., volume dose of medication or treatment per patient body weight per minute)
mL/m ²	Milliliter / Meter ² (e.g., volume of medication or other treatment per patient body surface area)
mL/mbar	Milliliter / Millibar (e.g., dynamic lung compliance)
mL/min	Milliliter / Minute
mL/(min.m ²)	(Milliliter / Minute) / Meter ² = milliliter / (minute × meter ²) (e.g., milliliters of prescribed infusion per body surface area; oxygen consumption index)
mL/s	Milliliter / Second
mm	Millimeter
mm(hg)	*Millimeter (HG) (1 mm Hg = 133.322 kilopascals)
mm/hr	Millimeter/ Hour
mmol/kg	Millimole / Kilogram (e.g., molar dose of medication per patient body weight)
mmol/(kg.d)	(Millimole / Kilogram) / Day = millimole / (kilogram × day) (e.g., molar dose of medication per patient body weight per day)
mmol/(kg.hr)	(Millimole / Kilogram) / Hour = millimole / (kilogram × hour) (e.g., molar dose of medication per patient body weight per hour)
mmol/(8.hr.kg)	(Millimole / Kilogram) / 8 Hour Shift = millimole / (kilogram × 8 hour shift) (e.g., molar dose of medication per patient body weight per 8 hour shift)
mmol/(kg.min)	(Millimole / Kilogram) / Minute = millimole / (kilogram × minute) (e.g., molar dose of medication per patient body weight per minute)
mmol/L	Millimole / Liter
mmol/hr	Millimole / Hour
mmol/(8hr)	Millimole / 8 Hour Shift
mmol/min	Millimole / Minute
mmol/m ²	Millimole / Meter ² (e.g., molar dose of medication per patient body surface area)
mosm/L	*Milliosmole / Liter
ms	Milliseconds
mv	Millivolts
miu/mL	*Milliunit / Milliliter
mol/m ³	Mole per cubic meter
mol/kg	Mole / Kilogram
mol/(kg.s)	(Mole / Kilogram) / Second = mole / (kilogram × second)
mol/L	Mole / Liter
mol/s	Mole / Second
ng	Nanogram
ng/d	Nanogram / Day

ng/hr	*Nanogram / Hour
ng/(8.hr)	Nanogram / 8 Hour shift
ng/L	Nanogram / Liter
ng/kg	Nanogram / Kilogram (e.g., mass dose of medication per patient body weight)
ng/(kg.d)	(Nanogram / Kilogram) / Day = nanogram / (kilogram × day) (e.g., mass dose of medication per patient body weight per day)
ng/(kg.hr)	(Nanogram / Kilogram) / Hour = nanogram / (kilogram × hour) (e.g., mass dose of medication per patient body weight per hour)
ng/(8.hr.kg)	(Nanogram / Kilogram) / 8 Hour Shift = nanogram / (kilogram × 8 hour shift) (e.g., mass dose of medication per patient body weight per 8 hour shift)
ng/(kg.min)	(Nanogram / Kilogram) / Minute = nanogram / (kilogram × minute) (e.g., mass dose of medication per patient body weight per minute)
ng/m ²	Nanogram / Meter ² (e.g., mass dose of medication per patient body surface area)
ng/mL	Nanogram / Milliliter
ng/min	*Nanogram / Minute
ng/s	*Nanogram / Second
nkat	*Nanokatel
nm	Nanometer
nmol/s	Nanomole / Second
ns	Nanosecond
n	Newton (force)
n.s	Newton second
(od)	*O.D. (optical density)
ohm	Ohm (electrical resistance)
ohm.m	Ohm meter
osmol	Osmole
osmol/kg	Osmole per kilogram
osmol/L	Osmole per liter
/m ³	*Particles / Meter ³
/L	*Particles / Liter
/(tot)	*Particles / Total Count
(ppb)	*Parts Per Billion
(ppm)	*Parts Per Million
(ppth)	Parts per thousand
(ppt)	Parts per trillion (10 ¹²)
pal	Pascal (pressure)
/(hpf)	*Per High Power Field
(ph)	*pH
pa	Picoampere
pg	Picogram
pg/L	Picogram / Liter

pg/mL	Picogram / Milliliter
pkat	*Picokatel
pm	Picometer
pmol	*Picomole
ps	Picosecond
pt	Picotesla
(pu)	*P.U.
%	Percent
dm ² /s ²	Rem (roentgen equivalent man) = 10 ⁻² meter ² / second ² = decimeter ² / second ² Dose of ionizing radiation equivalent to 1 rad of x-ray or gamma ray) [From Dorland's Medical Dictionary]
sec	Seconds of arc
sie	Siemens (electrical conductance)
sv	Sievert
m ² /s	Square meter / second
cm ² /s	Square centimeter / second
t	Tesla (magnetic flux density)
(td_u)	Todd Unit
v	Volt (electric potential difference)
1	Volume Fraction
wb	Weber (magnetic flux)

*Starred items are not genuine ISO, but do not conflict.

†This approach to units is discouraged by IUPAC. We leave them solely for backward compatibility

260245000 findings values
260411009 presence findings
30190008 seen
43261007 abnormal presence of
46651001 isolated
52101004 present
56116003 patent
10828004 positive
83185005 sensitive
260347006 +
260348001 ++
260349009 +++
260350009 ++++
260351008 just noticeable
260373001 detected
260410005 vital
260417008 strains different
260418003 strains similar
260976002 presence of infection
263650004 presence of calculi
263651000 presence of delta phalanx
263793006 left patent
264822008 both ligamentous
264840007 hyperplasia present
264866005 neoplasm present
264872005 nodules present
264930005 superadded infection present
373066001 yes

272519000 absence findings
17511009 normal absence
2667000 absent
41277001 lacking
47492008 not seen
260385009 negative
260386005 nil
260389003 no reaction
260390007 non-vital
260391006 noninflammatory
260392004 non-patent
260393009 non-pigmented
260413007 none
260414001 nothing
260415000 not detected
260416004 not itching
264827002 Cilioretinal artery sparing
264868006 no growth
264869003 no neoplasm
264871003 nodules absent
264887000 not isolated
264915001 receptor absent
264929000 superadded infection absent
276727009 null
373067005 no

260245000 findings values
276800000 normality findings
17621005 normal
40885006 variant
263654008 abnormal
264909001 post-receptor abnormality
264914002 receptor abnormality
264916000 receptor defective
371932001 borderline normal
371934000 normality undetermined

PHIN Domain Name: Additional Values (qualifier)

PHIN Domain Identifier: 427

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 255203001

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=R-4034F&bookmarktag=2

PHIN Domain Description: Additional value is a sub-domain of "Qualifier value (qualifier value)".

Suggested Vocabulary Domain Enumeration:

- Abbreviation (qualifier value)
- Activities, functions and processes (qualifier value)
- Administration type (qualifier value)
- Agencies and organizations (qualifier value)
- Alphanumerics (qualifier value)
- Any hazardous entity (qualifier value)
- Assertion (qualifier value)
- Associated_finding_filler (qualifier value)
- Benefits, entitlements and rights (qualifier value)
- Blood products (qualifier value)
- Case (qualifier value)
- Causative_agents (qualifier value)
- Cause of accident type (qualifier value)
- Clinical courses (qualifier value)
- Clinical findings type (qualifier value)
- Context values (qualifier value)
- Context-dependent type (qualifier value)
- Descriptors (qualifier value)
- Documented (qualifier value)
- Documents (qualifier value)
- Examination (heading) (qualifier value)
- Extinct cross-concept type type (qualifier value)
- Findings category type (qualifier value)
- Findings values (qualifier value)
- Food and drink type (qualifier value)
- Format (qualifier value)
- Hemi (qualifier value)
- Insidious (qualifier value)
- Institution name (qualifier value)
- Intellectual concepts and systems (qualifier value)
- Intention values (qualifier value)
- Intentional (qualifier value)
- Intraspinal (qualifier value)
- Manual method (qualifier value)
- Mild or unspecified (qualifier value)
- Nephelometry (qualifier value)
- Occupation type (qualifier value)
- PAMS concepts (qualifier value)
- Physics values (qualifier value)
- Present during procedure (qualifier value)
- Prevention type (qualifier value)
- Procedure type (qualifier value)
- Ranked categories (qualifier value)
- Reference documentation (qualifier value)
- Result comments (qualifier value)
- Scales type (qualifier value)
- Services, facilities and utilities (qualifier value)
- Spatial and relational concepts (qualifier value)
- Special atomic mapping values (qualifier value)
- Temporary type (qualifier value)

Trauma - physical agent (qualifier value)
Tumor morphology (qualifier value)
Unavailability (qualifier value)
Undetermined intent (qualifier value)
Unintentional (qualifier value)
Unit type (qualifier value)
Unused action values (qualifier value)
Validity range (qualifier value)
[Q] Temporary qualifying terms (qualifier value)

260245000 findings values
272520006 degree findings
300841009 poorly defined
1250004 decreased
18043004 thin
20572008 good
30714006 resistant
35105006 increased
367450005 short
41277001 lacking
42425007 equivocal
54328002 indifferent
62482003 low
71978007 inadequate
75540009 high
82334004 indeterminate
88323005 adequate
134223000 narrow
255358001 rapid
255359009 reducible
255361000 slow
255507004 small
255509001 large
255511005 long
255587001 peak
255588006 trough
257390007 static
260352001 marginate
260354000 moderate number
260355004 moderate peak
260356003 moderately resistant
260358002 very
260364009 additive
260365005 heightened
260366006 increase
260367002 increased - homogenous
260368007 increased - patchy
260369004 increasing
260370003 decrease
260371004 decreasing
260372006 deficient
260375008 efficient
260376009 enlarged
260377000 exaggerated
260378005 excessive
260379002 impaired
260380004 inconsistent
260381000 inefficient
260382007 large peak
260383002 late
260384008 long duration
260394003 normal limits
260395002 normal range
260396001 numerous
260398000 overaction (+)
260399008 raised
260400001 reduced
260401002 semi-formed
260402009 short duration
260404005 strong

260405006 trace
260406007 underaction (-)
260407003 weak
260409000 well defined
263656005 accurate
263776006 heavy growth
263782009 inaccurate
263812008 moderate growth
263865001 scanty
263866000 scanty growth
263920009 unrecordable
131196009 susceptible
371925005 most significant
371926006 highly significant
371927002 moderately significant
371928007 not significant
371929004 minimally significant

106232001 adjectival modifier
272099008 descriptors
106234000 general adjectival modifier
11620002 irreducible
10003008 non-specific
1217004 biphasic
356624006 minute
357617004 has length
358612008 lengthened
359530003 shortened
359535008 brief
359540000 topical
1250004 decreased
12565001 extreme
1305003 double
1312007 guttate
13336003 tubular
13673007 simple
13880007 dry
14297004 erythrodermic
1491000 unclassified
15166001 relaxed
1520008 composite
15933001 granular
16404004 induced
17162000 certain
17275008 compensated
17312001 eleven
17461003 wet
17589002 non-calcified
17621005 normal
17854005 regular
18043004 thin
18307000 altered
18403000 aggregate
19032002 uncontrolled
19202001 clumped
19338005 two
19535007 original
19648000 diffuse
20098009 incomplete blind
20323000 identical
20476009 cystic
20572008 good
20583004 firm
20646008 intractable
20827005 angiulupoid
21114003 oblique
21172007 faceted
21191007 phase
21594007 malignant
22601002 light (weight)
22762002 non-invasive
24054004 visible
24784001 Fibrovascular
24863003 postprandial
25126001 Pedunculated
25615006 vague
25721003 incipient
2603003 secondary

26175008 approximate
26242008 mixed
26449002 non-healed
2667000 absent
26833005 ridging
27582007 repeat
27617004 uniform
27699000 paradoxical
27732004 high frequency
27768009 some
28226006 tenth
28334003 charring
2867002 anicteric
29140007 fragment of
29179001 closed
293008 satellite
29683002 demonstrable
29684008 sutured
29920004 relative
29970001 fourth
30016003 non-communicating
30190008 seen
3050003 non-permeable
30648003 desiccated
30807003 benign
3082000 fine
31099001 systemic
31509003 controlled
31874001 true
32088001 fifth
32453009 disproportionate
33342007 crusted
33714007 corrected
34001005 five
34071009 mature
34325006 essential
3442003 better
3445001 ten
35105006 increased
35127002 bifurcated
35174006 reversible
35599000 indiscriminate
35702001 solid
35799003 postural
35810008 formed
36203004 easy
36692007 known
36987007 nine
37204000 compressing
37378003 soft
37865006 regressive
38112003 one
39425008 unequal
3988004 multifaceted
39886000 non-obstructive
40143009 functional
40266001 lobular
40397004 eleventh
40451002 habitual
40885006 variant

41079005 internal blind
41118005 extensive
41228009 obsolete
41277001 lacking
41391005 exfoliative
42044006 non-functional
42425007 equivocal
42504009 containing
42745003 serious
43147006 discriminate
43261007 abnormal presence of
43272002 communicating
44104002 latent
44308007 stratified
45478003 digitate
45906009 triphasic
46077008 bullous
46213005 twelfth
4657009 prominent
46651001 isolated
46891001 coarse
46998006 massive
47492008 not seen
4757001 most
47573009 convoluted
48031009 intertriginous
48162006 supple
49572008 alternating
49608001 irregular
49634009 miscellaneous
49899000 non-pitting
49907008 uninvolved
5054005 spontaneous
50607009 singular
50814009 isomorphous
50826004 repaired
510009 natural
51117008 sufficient
51352008 exogenous
51601003 eighth
52071002 collapsed
52101004 present
524008 multifocal
52925006 difficult
52962008 tactile
53046009 sixth
53568006 penetrating
54328002 indifferent
54690008 unknown (origin)
5472007 strangulated
5495003 Hyalinized
55011004 steady
55037001 lichenified
55561003 active
556001 bad
55919000 including
56089003 noted shortly before death
56116003 patent
56136002 absolute
56152004 multinodular

5650002 Decompensated
56563009 Pustuloulcerative
56851009 maximal
5712003 sessile
57176003 few
57465006 evoked
57578008 myxoid
57727003 postmature
57729000 spontaneously closed
58083006 multiloculated
58147004 clinical
58158008 stable
58354000 dimorphic
58584009 ninth
5878004 low frequency
59086009 reactivated
59135002 encapsulated
59381007 evolving
60132005 generalized
6041008 flat
10179008 invasive
6080000 occult
61148003 quadruple
6155003 arrested
62105006 compound
62322000 fine clustered
62374002 anisomorphous
62404004 burning
62459000 chronic persistent
62482003 low
62604006 contaminated
62830007 non-ossified
63161005 principal
63346003 uncompensated
63430005 quintuple
63727002 vesicular
64100000 false
64957009 uncertain
65145006 crossed
65320000 residual
65424008 contiguous
65607009 seven
65709003 disseminated
65897001 against
65929005 circulating
66211004 extending
66401009 illicit
66486002 invisible
66715007 Unilocular
68244004 six
10828004 positive
68405009 concurrent
68776005 released
68947003 walled
6934004 permanent
69481006 filiform
6957005 abnormal ratio
69658003 specific
69824008 tubercular
69836002 determinate

69910005 unidentified
70753007 old
70905002 third
70955005 expanding
7147002 new
71967004 artificial
71978007 inadequate
724005 slit-like
72505002 hard
72906007 common
7319005 eight
73258001 spreading
73425007 inactive
73504009 classified
73510009 mediate
73548004 universal
73681006 acinar
7380002 monophasic
73979006 endogenous
74314007 subclinical
74778001 inoperable
74832004 confluent
74964007 other
75189007 borderline
75294000 descending
75508005 dissecting
75540009 high
75784006 deferred
76070002 triple
76196003 cavernous
76234009 operable
76857007 cicatricial
77526009 papillary
77765009 exclude
77796000 branching
77855009 pitting
77887007 notched
7800008 punctate
78582007 fascicular
78799005 loose
7882003 identified
78933003 balanced
79148002 non-exudative
79458005 ascending
79605009 three
79749004 monochromatic
7976000 staghorn
7988003 sliding
80074009 responsive
80175008 external blind
80626008 non-cleaved
81170007 second
81858005 cloudy
8212001 proportional
82280004 smooth
82334004 indeterminate
82498002 striated
82540007 permeable
1090009 immature
82809009 twelve

83097008 membranous
83296008 predominate
83523006 non-infiltrating
84074000 intimate
84422007 young
84496004 microscopic
84638005 Occasional
84965000 tertiary
85333001 widespread
85409008 generalized exfoliative
85952003 Cross-linking
86005002 advanced
86137003 negligible
86495002 for
86777004 seventh
87017008 focal
87158004 rupial
87952002 leaking
88323005 adequate
884001 initial
88446008 laminar
88694003 immediate
89292003 rare
89780004 combined
90571008 culminating
90845004 heavy (weight)
90884009 Loculated
90910008 healed
9094003 cleaved
90975005 calcified
91290007 Reinfected
91497007 incarcerated
9362000 four
9726003 equal
131194007 non-Reactive
232714002 firstly
10027005 patchy
241775008 faulty
242762006 more
243326001 changing
11163003 intact
244840000 suppressive
245780008 suppressed
246703001 thick
11214006 reactive
247591002 affecting
112231000 atypical
112232007 blocking
112233002 marginal
112235009 through
248448006 involved
103355008 width
249319006 manifested by
103356009 uncommon
103357000 palpable
103358005 glassy
103359002 unnatural
103360007 complex
103361006 unsteady
103362004 antegrade

103363009 retrograde
103364003 upstream
103365002 downstream
250255003 manifest
251190009 manifestation of
252157006 progressing to
254648000 effective
26593000 paroxysmal
75741005 sporadic
371930009 possible

370227000 modifier AND/OR qualifier

7389001 time frame

123027009 24 hours

123028004 72 hours

123029007 single point in time

123030002 2 hours

123031003 4 hours

123032005 5 hours

123033000 6 hours

123034006 8 hours

123035007 12 hours

128954007 procedure phase

14497002 weekly

15240007 current

20050000 biweekly

21029003 bedtime

2546009 night time

27789000 infrequent

27814009 midnight

28017001 daytime

3015006 trimonthly

3157002 evening

51199007 triweekly

53281000 annual

57615005 definite time

58338003 bimonthly

6493001 recent

66825005 unlimited time

69620002 daily

70232002 frequent

71033007 impending

71997007 noon

73775008 morning

79970003 simultaneous

81591007 periodic

88561007 semi-annual

89185003 monthly

89557005 indefinite time

90570009 non-seasonal

103333000 with time

103334006 delay time

103335007 duration

272099008 descriptors
272103003 time patterns
288524001 courses
288526004 Episodicities
288528003 multiple episode
303105007 disease phases
307141008 time descriptors of days, weeks and years
307142001 temporal periods
1217004 biphasic
45906009 triphasic
68405009 concurrent
7380002 monophasic
79970003 simultaneous
255259006 first presentation
272120004 occurrences
272121000 periodicities
275848009 morning after
229803000 single episode
235246008 precocious
243884009 before time
103334006 delay time
255396000 acquired
272104009 absolute times
272108007 numerical phases
272112001 relative times
272115004 synchronicities
272116003 durations
272119005 Permanences
272123002 frequencies
272125009 priorities
272126005 order values
272130008 age values
272516007 physiological cycle values

PHIN Domain Information:

Domain Name: Population Health

Domain Id:15

Definition (Scope):

List of concepts that are related to population health (public health).

Date Created:05/09/2005

Date Revised: 05/09/2005

Standard Vocabulary Identification Status: Pending

PHIN Comments:

Code system has not been identified for population health. PHIN Vocabulary would serve most of the public health needs. As CHI has mentioned, PHIN uses the following coding system for public health : HL7 version 2.x, HL7 version 3, SNOMED CT, LOINC, USGS, FIPS, ISO, FDA, EPA, etc..

Please review the PHIN Vocabulary Services website at <http://www.cdc.gov/phin/vocabulary> for more information about PHIN Vocabulary Access Distribution System (PHIN VADS) & PHIN Vocabulary Services (PHIN VS).

CHI related information:

CHI Report hyperlink:

http://www.whitehouse.gov/omb/egov/documents/population_full_public.doc

CHI Comments:

The diversity of terminology needs found in the workgroup's investigation of population health reporting needs lead to the conclusion that a specific CHI recommendation is inappropriate at this time.

Population Health Reporting is in a world of change. When the CHI Population Health reporting workgroup was first conceived, it was felt that a large number of solutions exist and it would be difficult to make recommendations. With this as a consideration, CHI postponed the start of the workgroup until some domains that this domain might depend on reported. It was hoped that the recommendations from those domains could be used directly for population health reporting.

As these groups reported, the issue did not become clear, but more complex. As expected, the domains reported acceptable solutions to terminology used to report clinical information. In some circumstances, population health data is identical to clinical data such as reporting of infectious disease cases to public health departments or cancer rapid case ascertainment and other disease registry information to appropriate state registries. In those cases, the appropriate CHI domain recommendations for the underlying clinical data can be used. An example of this use is the Public Health Information Network (PHIN) electronic laboratory reporting standards from CDC that use LOINC® and SNOMED® codes within an HL7® message for public health reporting of infectious organisms identified by laboratories.

Much of population health reporting is derived from clinical information, but is not strictly that information. Population health tends to use classification systems that group clinical information. From the grouped information we derive present and longitudinal pictures of public health. An issue that has become more relevant as the CHI moves forward is the complex relationship between these classification systems and clinical data. In many cases, there might be a one-to-one relationship between a clinical condition and the corresponding classification code. In other cases that relationship might be quite complex and rely on multiple pieces of clinical information. Examples of this are the ICD

codes for diabetes complicated by pregnancy. To determine the correct code from the set you need to know if the person has diabetes, is pregnant and what the actual qualifying information is to decide the code. At this time, we do not have the needed experience with either the underlying clinical codes or the rule based mapping systems needed to routinely, as opposed to experimentally, define this process. Lastly, we do not know if the rule based mapping system will provide satisfactory longitudinal data.

The workgroup investigated the present world of population health reporting by asking the public health agencies involved with the workgroup to:

- 1. Prepare a list of population health data collected, including purpose, at all levels;*
- 2. Note the terminologies/classification systems used to collect that data; and*
- 3. Relate those aspects, if any, of a clinical event that relates to the population health data in item 1.*

The items defined by 1 would be the domain. Those defined by 2 could be workgroup recommendations. Item 3 could be used to develop recommendations for the next phase of CHI and hopefully provide some insights on the relationship of clinical to population health data. While our group constitutes a broad cross section of public health, we note that our time was short and that the list enumerated for item one is incomplete. We have attached the list as an appendix to this report. Found on that list are some recent population health reporting systems used within HHS that use one or more standard terminologies. Not found on that list are the HHS population health reporting systems that do not use any standard terminologies. For example, the National Ambulatory Medical Care Survey appears on the list as it uses ICD-9-CM as an underlying code system. The National Notifiable Disease Surveillance System is not on the list because it currently uses internal codes though it is in the investigative stages of converting to standard terminologies.

Reviewing the appendicle material, we observe that Population Health Reporting needs to cover a wide range of domains and currently use few standard terminologies while many systems use locally developed codesets. Of those codesets that are in common usage, none currently are domain recommendations of CHI. Several have been mentioned as terminologies to which the recommended domain terminology requires mapping. Some are HIPAA approved codesets. Some are required by regulation or international agreement. Hence, because of this diversity, the workgroup feels a specific CHI recommendation for population health reporting is inappropriate at this time.

The Workgroup makes two specific recommendations of CHI to be conducted in a later phase:

The terminology systems and uses noted in the appendix are incomplete. Before specific recommendations can be made, a complete understanding of the scope of systems is required. As the nation's health statistics agency, it is recommended that CHI support funding for NCHS to develop this complete list. As part of this task, NCHS should be asked to note areas in which population health reporting requires aggregated data outside of the CHI domains involving clinical data such as occupations, industries and socio-economic data and suggest standard means to address these aggregation issues.

Other CHI domain terminologies have specific clinical uses. It is hoped by many that these clinical terminologies can be used for population reporting. It is how they are to be used that is unknown. It is recommended that an appropriate body be asked to develop a

report on the use of clinical data for population health reporting and to include in that report recommendations on the incorporation of past, present and future data as they might represent different population health concepts. The report should focus in part on the following:

The extent to which mapping between two terminologies can satisfy multiple needs, including population health reporting;

A description of the forms and complexity of the maps;

Ability of mapped clinical data to relate to longitudinal data; and

The problem of using a dual system where part of population health data is derived from computer mapped clinical data to a reporting terminology and part reported as now using human interpretation to the reporting terminology needs enumeration.

It is anticipated that the NCVHS, the Board of Scientific Counselors of the NCHS and The National Library of Medicine would participate in these studies.

PHIN Recommended Coding System Information:

Code System Name: ?? CDC + NCI + NCBI + FDA

Code System Version: n/a

Code System Reference : n/a

Code System Hyperlink: n/a

Sub-domain	Standard
Occupation	Standard Occupational Classification (SOC)
Industry	North American Industry Classification System (NAICS)

Enumeration:

PHIN "Population Health" Sub-domains:

Public Health Reporting
Population Health Statistics
Public Health Case Transmission Mode
Public Health Case Notification Types
Public Health Case Confirmation Methods
Occupation
Industry

PHIN Vocabulary Domain Name : **Case Transmission Mode**

PHIN Vocabulary Domain Code : **CaseTransmissionMode**

PHIN Vocabulary Domain ID :2

PHIN Vocabulary Domain Definition : Code for the mechanism by which disease was acquired by the living subject involved in the public health case. Includes sexually transmitted, airborne, bloodborne, vectorborne, foodborne, zoonotic, nosocomial, mechanical, dermal, congenital, environmental exposure, indeterminate.

PHIN Vocabulary Domain Keywords : Public Health Case Transmission mode

Date Revised :04/25/2005

Code System Identification Status: Pending

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/population_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: See the Population Health domain comments. CHI has not adopted any standard. This domain would be analyzed in CHI Phase II.

Recommended Code System Pending

Recommended Code System Version: N/A

Recommended Code System Reference ID : N/A

Recommended Code System Hyperlink : N/A

Recommended Code System Concept Enumeration: partial (This is presented for illustrative purposes only)

sexually transmitted, airborne, bloodborne, vectorborne, foodborne, zoonotic, nosocomial, mechanical, dermal, congenital, environmental exposure, indeterminate.

PHIN Vocabulary Domain Name : **Case Notification Types**

PHIN Vocabulary Domain Code : **CaseNotificationTypes**

PHIN Vocabulary Domain ID :2

PHIN Vocabulary Domain Definition : List of codes specifying the notification types.

PHIN Vocabulary Domain Keywords : Public Health Case Notification Types

Date Revised :04/25/2005

Code System Identification Status: Pending

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/population_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: See the Population Health domain comments. CHI has not adopted any standard. This domain would be analyzed in CHI Phase II.

Recommended Code System Pending

Recommended Code System Version: N/A

Recommended Code System Reference ID : N/A

Recommended Code System Hyperlink : N/A

Recommended Code System Concept Enumeration: partial (This is presented for illustrative purposes only)

Notification Acknowledgement

Notification Deletion

Case Notification

Summary Notification

Notification Update

Other

PHIN Vocabulary Domain Name : **Public Health Case Confirmation Methods**

PHIN Vocabulary Domain Code : **PublicHealthCaseClassification**

PHIN Vocabulary Domain ID :2

PHIN Vocabulary Domain Definition : List of codes for the methods of confirming a public health case.

PHIN Vocabulary Domain Keywords : Case Confirmation Method

Date Revised :04/25/2005

Code System Identification Status: Pending

PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:

http://www.whitehouse.gov/omb/egov/documents/population_full_public.doc

Consolidative Health Informatics (CHI) Domain Comments: See the Population Health domain comments. CHI has not adopted any standard. This domain would be analyzed in CHI Phase II.

Recommended Code System Pending

Recommended Code System Version: N/A

Recommended Code System Reference ID : N/A

Recommended Code System Hyperlink : N/A

Recommended Code System Concept Enumeration: partial (This is presented for illustrative purposes only)

Active Surveillance

Case/Outbreak Investigation

Laboratory report

Medical record review

Occupational disease surveillance

Other

Clinical diagnosis (non-laboratory confirmed)

Epidemiologically linked

Laboratory confirmed

No information given

Provider certified

Local/State specified

PHIN Domain Name: Public Health Case Confirmation Methods
PHIN Domain Identifier: 412
Suggested Vocabulary Source Name: CDC (Centers for Disease Control)
Suggested Vocabulary Source Pointer Id:
URL To Vocabulary Source Pointer:
PHIN Domain Description: List of Public Health Case Confirmation methods.

Suggested Vocabulary Domain Enumeration:

PHIN Vocabulary Domain Name : Occupation
PHIN Vocabulary Domain Code Occupation
PHIN Vocabulary Domain ID :2
PHIN Vocabulary Domain Definition : List of codes representing the occupaton.
PHIN Vocabulary Domain Keywords : Occupational Codes, Occ. Code, Occupational Groups, Occupational Classification.
Date Created :04/25/2005
Date Revised :04/25/2005
Code System Identification Status:Complete
PHIN Comments:

Consolidative Health Informatics (CHI) Domain Recommendation Hyperlink:
http://www.whitehouse.gov/omb/egov/documents/demo_full_public.doc
Consolidative Health Informatics (CHI) Domain Comments: See the demographics domain comments.

Recommended Code System : SOC (Dept. of Labor)
Recommended Code System Version: N/A.
Recommended Code System Reference ID : N/A
Recommended Code System Hyperlink :
http://www.bls.gov/soc/soc_majo.htm
Recommended Code System Concept Enumeration: Complete (This is presented for illustrative purposes only)

SOC Major Groups

Each occupation in the SOC is placed within one of these 23 major groups:

[11-0000 Management Occupations](#)

[13-0000 Business and Financial Operations Occupations](#)

[15-0000 Computer and Mathematical Occupations](#)

[17-0000 Architecture and Engineering Occupations](#)

[19-0000 Life, Physical, and Social Science Occupations](#)

[21-0000 Community and Social Services Occupations](#)

[23-0000 Legal Occupations](#)

[25-0000 Education, Training, and Library Occupations](#)

[27-0000 Arts, Design, Entertainment, Sports, and Media Occupations](#)

[29-0000 Healthcare Practitioners and Technical Occupations](#)

[31-0000 Healthcare Support Occupations](#)

[33-0000 Protective Service Occupations](#)

[35-0000 Food Preparation and Serving Related Occupations](#)

[37-0000 Building and Grounds Cleaning and Maintenance Occupations](#)

[39-0000 Personal Care and Service Occupations](#)

[41-0000 Sales and Related Occupations](#)

[43-0000 Office and Administrative Support Occupations](#)

[45-0000 Farming, Fishing, and Forestry Occupations](#)

[47-0000 Construction and Extraction Occupations](#)

[49-0000 Installation, Maintenance, and Repair Occupations](#)

[51-0000 Production Occupations](#)

[53-0000 Transportation and Material Moving Occupations](#)

[55-0000 Military Specific Occupations](#)

- 11133Noncitrus Fruit and Tree Nut Farming
- 111331Apple Orchards
- 111332Grape Vineyards
- 111333Strawberry Farming
- 111334Berry (except Strawberry) Farming
- 111335Tree Nut Farming
- 111336Fruit and Tree Nut Combination Farming
- 111339Other Noncitrus Fruit Farming
 - 1114Greenhouse, Nursery, and Floriculture Production
 - 11141Food Crops Grown Under Cover
 - 111411Mushroom Production
 - 111419Other Food Crops Grown Under Cover
 - 11142Nursery and Floriculture Production
 - 111421Nursery and Tree Production
 - 111422Floriculture Production
 - 1119Other Crop Farming
 - 11191Tobacco Farming
 - 111910Tobacco Farming
 - 11192Cotton Farming
 - 111920Cotton Farming
 - 11193Sugarcane Farming
 - 111930Sugarcane Farming
 - 11194Hay Farming
 - 111940Hay Farming
 - 11199All Other Crop Farming
 - 111991Sugar Beet Farming
 - 111992Peanut Farming
 - 111998All Other Miscellaneous Crop Farming
 - 112Animal Production
 - 1121Cattle Ranching and Farming
 - 11211Beef Cattle Ranching and Farming, including Feedlots
 - 112111Beef Cattle Ranching and Farming
 - 112112Cattle Feedlots
 - 11212Dairy Cattle and Milk Production
 - 112120Dairy Cattle and Milk Production
 - 11213Dual-Purpose Cattle Ranching and Farming
 - 112130Dual-Purpose Cattle Ranching and Farming
 - 1122Hog and Pig Farming
 - 11221Hog and Pig Farming
 - 112210Hog and Pig Farming
 - 1123Poultry and Egg Production
 - 11231Chicken Egg Production
 - 112310Chicken Egg Production
 - 11232Broilers and Other Meat Type Chicken Production
 - 112320Broilers and Other Meat Type Chicken Production
 - 11233Turkey Production
 - 112330Turkey Production
 - 11234Poultry Hatcheries
 - 112340Poultry Hatcheries
 - 11239Other Poultry Production
 - 112390Other Poultry Production
 - 1124Sheep and Goat Farming
 - 11241Sheep Farming
 - 112410Sheep Farming
 - 11242Goat Farming
 - 112420Goat Farming
 - 1125Animal Aquaculture
 - 11251Animal Aquaculture
 - 112511Finfish Farming and Fish Hatcheries
 - 112512Shellfish Farming
 - 112519Other Animal Aquaculture
 - 1129Other Animal Production
 - 11291Apiculture
 - 112910Apiculture

11292Horses and Other Equine Production
 112920Horses and Other Equine Production
 11293Fur-Bearing Animal and Rabbit Production
 112930Fur-Bearing Animal and Rabbit Production
 11299All Other Animal Production
 112990All Other Animal Production
 113Forestry and Logging
 1131Timber Tract Operations
 11311Timber Tract Operations
 113110Timber Tract Operations
 1132Forest Nurseries and Gathering of Forest Products
 11321Forest Nurseries and Gathering of Forest Products
 113210Forest Nurseries and Gathering of Forest Products
 1133Logging
 11331Logging
 113310Logging
 114Fishing, Hunting and Trapping
 1141Fishing
 11411Fishing
 114111Finfish Fishing
 114112Shellfish Fishing
 114119Other Marine Fishing
 1142Hunting and Trapping
 11421Hunting and Trapping
 114210Hunting and Trapping
 115Support Activities for Agriculture and Forestry
 1151Support Activities for Crop Production
 11511Support Activities for Crop Production
 115111Cotton Ginning
 115112Soil Preparation, Planting, and Cultivating
 115113Crop Harvesting, Primarily by Machine
 115114Postharvest Crop Activities (except Cotton Ginning)
 115115Farm Labor Contractors and Crew Leaders
 115116Farm Management Services
 1152Support Activities for Animal Production
 11521Support Activities for Animal Production
 115210Support Activities for Animal Production
 1153Support Activities for Forestry
 11531Support Activities for Forestry
 115310Support Activities for Forestry
 21Mining
 211Oil and Gas Extraction
 2111Oil and Gas Extraction
 21111Oil and Gas Extraction
 211111Crude Petroleum and Natural Gas Extraction
 211112Natural Gas Liquid Extraction
 212Mining (except Oil and Gas)
 2121Coal Mining
 21211Coal Mining
 212111Bituminous Coal and Lignite Surface Mining
 212112Bituminous Coal Underground Mining
 212113Anthracite Mining
 2122Metal Ore Mining
 21221Iron Ore Mining
 212210Iron Ore Mining
 21222Gold Ore and Silver Ore Mining
 212221Gold Ore Mining
 212222Silver Ore Mining
 21223Copper, Nickel, Lead, and Zinc Mining
 212231Lead Ore and Zinc Ore Mining
 212234Copper Ore and Nickel Ore Mining
 21229Other Metal Ore Mining
 212291Uranium-Radium-Vanadium Ore Mining
 212299All Other Metal Ore Mining

- 2123Nonmetallic Mineral Mining and Quarrying
- 21231Stone Mining and Quarrying
- 212311Dimension Stone Mining and Quarrying
- 212312Crushed and Broken Limestone Mining and Quarrying
- 212313Crushed and Broken Granite Mining and Quarrying
- 212319Other Crushed and Broken Stone Mining and Quarrying
- 21232Sand, Gravel, Clay, and Ceramic and Refractory Minerals Mining and Quarrying
- 212321Construction Sand and Gravel Mining
- 212322Industrial Sand Mining
- 212324Kaolin and Ball Clay Mining
- 212325Clay and Ceramic and Refractory Minerals Mining
- 21239Other Nonmetallic Mineral Mining and Quarrying
- 212391Potash, Soda, and Borate Mineral Mining
- 212392Phosphate Rock Mining
- 212393Other Chemical and Fertilizer Mineral Mining
- 212399All Other Nonmetallic Mineral Mining
- 213Support Activities for Mining
- 2131Support Activities for Mining
- 21311Support Activities for Mining
- 213111Drilling Oil and Gas Wells
- 213112Support Activities for Oil and Gas Operations
- 213113Support Activities for Coal Mining
- 213114Support Activities for Metal Mining
- 213115Support Activities for Nonmetallic Minerals (except Fuels)
- 22Utilities
- 221Utilities
- 2211Electric Power Generation, Transmission and Distribution
- 22111Electric Power Generation
- 221111Hydroelectric Power Generation
- 221112Fossil Fuel Electric Power Generation
- 221113Nuclear Electric Power Generation
- 221119Other Electric Power Generation
- 22112Electric Power Transmission, Control, and Distribution
- 221121Electric Bulk Power Transmission and Control
- 221122Electric Power Distribution
- 2212Natural Gas Distribution
- 22121Natural Gas Distribution
- 221210Natural Gas Distribution
- 2213Water, Sewage and Other Systems
- 22131Water Supply and Irrigation Systems
- 221310Water Supply and Irrigation Systems
- 22132Sewage Treatment Facilities
- 221320Sewage Treatment Facilities
- 22133Steam and Air-Conditioning Supply
- 221330Steam and Air-Conditioning Supply
- 23Construction
- 236Construction of Buildings
- 2361Residential Building Construction
- 23611Residential Building Construction
- 236115New Single-Family Housing Construction (except Operative Builders)
- 236116New Multifamily Housing Construction (except Operative Builders)
- 236117New Housing Operative Builders
- 236118Residential Remodelers
- 2362Nonresidential Building Construction
- 23621Industrial Building Construction
- 236210Industrial Building Construction
- 23622Commercial and Institutional Building Construction
- 236220Commercial and Institutional Building Construction
- 237Heavy and Civil Engineering Construction

- 2371Utility System Construction
- 23711Water and Sewer Line and Related Structures Construction
- 237110Water and Sewer Line and Related Structures Construction
- 23712Oil and Gas Pipeline and Related Structures Construction
- 237120Oil and Gas Pipeline and Related Structures Construction
- 23713Power and Communication Line and Related Structures Construction
- 237130Power and Communication Line and Related Structures Construction
- 2372Land Subdivision
- 23721Land Subdivision
- 237210Land Subdivision
- 2373Highway, Street, and Bridge Construction
- 23731Highway, Street, and Bridge Construction
- 237310Highway, Street, and Bridge Construction
- 2379Other Heavy and Civil Engineering Construction
- 23799Other Heavy and Civil Engineering Construction
- 237990Other Heavy and Civil Engineering Construction
- 238Specialty Trade Contractors
- 2381Foundation, Structure, and Building Exterior Contractors
- 23811Poured Concrete Foundation and Structure Contractors
- 238110Poured Concrete Foundation and Structure Contractors
- 23812Structural Steel and Precast Concrete Contractors
- 238120Structural Steel and Precast Concrete Contractors
- 23813Framing Contractors
- 238130Framing Contractors
- 23814Masonry Contractors
- 238140Masonry Contractors
- 23815Glass and Glazing Contractors
- 238150Glass and Glazing Contractors
- 23816Roofing Contractors
- 238160Roofing Contractors
- 23817Siding Contractors
- 238170Siding Contractors
- 23819Other Foundation, Structure, and Building Exterior Contractors
- 238190Other Foundation, Structure, and Building Exterior Contractors
- 2382Building Equipment Contractors
- 23821Electrical Contractors
- 238210Electrical Contractors
- 23822Plumbing, Heating, and Air-Conditioning Contractors
- 238220Plumbing, Heating, and Air-Conditioning Contractors
- 23829Other Building Equipment Contractors
- 238290Other Building Equipment Contractors
- 2383Building Finishing Contractors
- 23831Drywall and Insulation Contractors
- 238310Drywall and Insulation Contractors
- 23832Painting and Wall Covering Contractors
- 238320Painting and Wall Covering Contractors
- 23833Flooring Contractors
- 238330Flooring Contractors
- 23834Tile and Terrazzo Contractors
- 238340Tile and Terrazzo Contractors
- 23835Finish Carpentry Contractors
- 238350Finish Carpentry Contractors
- 23839Other Building Finishing Contractors
- 238390Other Building Finishing Contractors
- 2389Other Specialty Trade Contractors

- 23891Site Preparation Contractors
- 238910Site Preparation Contractors
- 23899All Other Specialty Trade Contractors
- 238990All Other Specialty Trade Contractors
- 31-33 Manufacturing
 - 311Food Manufacturing
 - 3111Animal Food Manufacturing
 - 31111Animal Food Manufacturing
 - 311111Dog and Cat Food Manufacturing
 - 311119Other Animal Food Manufacturing
 - 3112Grain and Oilseed Milling
 - 31121Flour Milling and Malt Manufacturing
 - 311211Flour Milling
 - 311212Rice Milling
 - 311213Malt Manufacturing
 - 31122Starch and Vegetable Fats and Oils Manufacturing
 - 311221Wet Corn Milling
 - 311222Soybean Processing
 - 311223Other Oilseed Processing
 - 311225Fats and Oils Refining and Blending
 - 31123Breakfast Cereal Manufacturing
 - 311230Breakfast Cereal Manufacturing
 - 3113Sugar and Confectionery Product Manufacturing
 - 31131Sugar Manufacturing
 - 311311Sugarcane Mills
 - 311312Cane Sugar Refining
 - 311313Beet Sugar Manufacturing
 - 31132Chocolate and Confectionery Manufacturing from Cacao Beans
 - 311320Chocolate and Confectionery Manufacturing from Cacao Beans
 - 31133Confectionery Manufacturing from Purchased Chocolate
 - 311330Confectionery Manufacturing from Purchased Chocolate
 - 31134Nonchocolate Confectionery Manufacturing
 - 311340Nonchocolate Confectionery Manufacturing
 - 3114Fruit and Vegetable Preserving and Specialty Food Manufacturing
 - 31141Frozen Food Manufacturing
 - 311411Frozen Fruit, Juice, and Vegetable Manufacturing
 - 311412Frozen Specialty Food Manufacturing
 - 31142Fruit and Vegetable Canning, Pickling, and Drying
 - 311421Fruit and Vegetable Canning
 - 311422Specialty Canning
 - 311423Dried and Dehydrated Food Manufacturing
 - 3115Dairy Product Manufacturing
 - 31151Dairy Product (except Frozen) Manufacturing
 - 311511Fluid Milk Manufacturing
 - 311512Creamery Butter Manufacturing
 - 311513Cheese Manufacturing
 - 311514Dry, Condensed, and Evaporated Dairy Product Manufacturing
 - 31152Ice Cream and Frozen Dessert Manufacturing
 - 311520Ice Cream and Frozen Dessert Manufacturing
 - 3116Animal Slaughtering and Processing
 - 31161Animal Slaughtering and Processing
 - 311611Animal (except Poultry) Slaughtering
 - 311612Meat Processed from Carcasses
 - 311613Rendering and Meat Byproduct Processing
 - 311615Poultry Processing
 - 3117Seafood Product Preparation and Packaging
 - 31171Seafood Product Preparation and Packaging
 - 311711Seafood Canning

- 311712 Fresh and Frozen Seafood Processing
 - 3118 Bakeries and Tortilla Manufacturing
 - 31181 Bread and Bakery Product Manufacturing
- 311811 Retail Bakeries
- 311812 Commercial Bakeries
- 311813 Frozen Cakes, Pies, and Other Pastries Manufacturing
 - 31182 Cookie, Cracker, and Pasta Manufacturing
- 311821 Cookie and Cracker Manufacturing
- 311822 Flour Mixes and Dough Manufacturing from Purchased Flour
- 311823 Dry Pasta Manufacturing
 - 31183 Tortilla Manufacturing
- 311830 Tortilla Manufacturing
 - 3119 Other Food Manufacturing
 - 31191 Snack Food Manufacturing
- 311911 Roasted Nuts and Peanut Butter Manufacturing
- 311919 Other Snack Food Manufacturing
 - 31192 Coffee and Tea Manufacturing
- 311920 Coffee and Tea Manufacturing
 - 31193 Flavoring Syrup and Concentrate Manufacturing
- 311930 Flavoring Syrup and Concentrate Manufacturing
 - 31194 Seasoning and Dressing Manufacturing
- 311941 Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing
- 311942 Spice and Extract Manufacturing
 - 31199 All Other Food Manufacturing
- 311991 Perishable Prepared Food Manufacturing
- 311999 All Other Miscellaneous Food Manufacturing
 - 312 Beverage and Tobacco Product Manufacturing
 - 3121 Beverage Manufacturing
 - 31211 Soft Drink and Ice Manufacturing
 - 31211 Soft Drink Manufacturing
 - 312112 Bottled Water Manufacturing
 - 312113 Ice Manufacturing
 - 31212 Breweries
 - 312120 Breweries
 - 31213 Wineries
 - 312130 Wineries
 - 31214 Distilleries
 - 312140 Distilleries
 - 3122 Tobacco Manufacturing
 - 31221 Tobacco Stemming and Redrying
 - 312210 Tobacco Stemming and Redrying
 - 31222 Tobacco Product Manufacturing
 - 312221 Cigarette Manufacturing
 - 312229 Other Tobacco Product Manufacturing
 - 313 Textile Mills
 - 3131 Fiber, Yarn, and Thread Mills
 - 31311 Fiber, Yarn, and Thread Mills
 - 313111 Yarn Spinning Mills
 - 313112 Yarn Texturizing, Throwing, and Twisting Mills
 - 313113 Thread Mills
 - 3132 Fabric Mills
 - 31321 Broadwoven Fabric Mills
 - 313210 Broadwoven Fabric Mills
 - 31322 Narrow Fabric Mills and Schiffli Machine Embroidery
 - 313221 Narrow Fabric Mills
 - 313222 Schiffli Machine Embroidery
 - 31323 Nonwoven Fabric Mills
 - 313230 Nonwoven Fabric Mills
 - 31324 Knit Fabric Mills
 - 313241 Weft Knit Fabric Mills
 - 313249 Other Knit Fabric and Lace Mills
 - 3133 Textile and Fabric Finishing and Fabric Coating Mills

31331Textile and Fabric Finishing Mills
 313311Broadwoven Fabric Finishing Mills
 313312Textile and Fabric Finishing (except Broadwoven
 Fabric) Mills
 31332Fabric Coating Mills
 313320Fabric Coating Mills
 314Textile Product Mills
 3141Textile Furnishings Mills
 31411Carpet and Rug Mills
 314110Carpet and Rug Mills
 31412Curtain and Linen Mills
 314121Curtain and Drapery Mills
 314129Other Household Textile Product Mills
 3149Other Textile Product Mills
 31491Textile Bag and Canvas Mills
 314911Textile Bag Mills
 314912Canvas and Related Product Mills
 31499All Other Textile Product Mills
 314991Rope, Cordage, and Twine Mills
 314992Tire Cord and Tire Fabric Mills
 314999All Other Miscellaneous Textile Product Mills
 315Apparel Manufacturing
 3151Apparel Knitting Mills
 31511Hosiery and Sock Mills
 315111Sheer Hosiery Mills
 315119Other Hosiery and Sock Mills
 31519Other Apparel Knitting Mills
 315191Outerwear Knitting Mills
 315192Underwear and Nightwear Knitting Mills
 3152Cut and Sew Apparel Manufacturing
 31521Cut and Sew Apparel Contractors
 315211Men's and Boys' Cut and Sew Apparel Contractors
 315212Women's, Girls', and Infants' Cut and Sew Apparel
 Contractors
 31522Men's and Boys' Cut and Sew Apparel Manufacturing
 315221Men's and Boys' Cut and Sew Underwear and
 Nightwear Manufacturing
 315222Men's and Boys' Cut and Sew Suit, Coat, and
 Overcoat Manufacturing
 315223Men's and Boys' Cut and Sew Shirt (except Work
 Shirt) Manufacturing
 315224Men's and Boys' Cut and Sew Trouser, Slack, and
 Jean Manufacturing
 315225Men's and Boys' Cut and Sew Work Clothing
 Manufacturing
 315228Men's and Boys' Cut and Sew Other Outerwear
 Manufacturing
 31523Women's and Girls' Cut and Sew Apparel
 Manufacturing
 315231Women's and Girls' Cut and Sew Lingerie,
 Loungewear, and Nightwear Manufacturing
 315232Women's and Girls' Cut and Sew Blouse and Shirt
 Manufacturing
 315233Women's and Girls' Cut and Sew Dress Manufacturing
 315234Women's and Girls' Cut and Sew Suit, Coat, Tailored
 Jacket, and Skirt Manufacturing
 315239Women's and Girls' Cut and Sew Other Outerwear
 Manufacturing
 31529Other Cut and Sew Apparel Manufacturing
 315291Infants' Cut and Sew Apparel Manufacturing
 315292Fur and Leather Apparel Manufacturing
 315299All Other Cut and Sew Apparel Manufacturing
 3159Apparel Accessories and Other Apparel Manufacturing

322214Fiber Can, Tube, Drum, and Similar Products
Manufacturing

322215Nonfolding Sanitary Food Container Manufacturing
32222Paper Bag and Coated and Treated Paper
Manufacturing

322221Coated and Laminated Packaging Paper and Plastics
Film Manufacturing

322222Coated and Laminated Paper Manufacturing

322223Plastics, Foil, and Coated Paper Bag Manufacturing

322224Uncoated Paper and Multiwall Bag Manufacturing

322225Laminated Aluminum Foil Manufacturing for Flexible
Packaging Uses

322226Surface-Coated Paperboard Manufacturing
32223Stationery Product Manufacturing

322231Die-Cut Paper and Paperboard Office Supplies
Manufacturing

322232Envelope Manufacturing

322233Stationery, Tablet, and Related Product Manufacturing
32229Other Converted Paper Product Manufacturing

322291Sanitary Paper Product Manufacturing

322299All Other Converted Paper Product Manufacturing
323Printing and Related Support Activities
3231Printing and Related Support Activities
32311Printing

323110Commercial Lithographic Printing

323111Commercial Gravure Printing

323112Commercial Flexographic Printing

323113Commercial Screen Printing

323114Quick Printing

323115Digital Printing

323116Manifold Business Forms Printing

323117Books Printing

323118Blankbook, Looseleaf Binders, and Devices
Manufacturing

323119Other Commercial Printing
32312Support Activities for Printing

323121Tradebinding and Related Work

323122Prepress Services
324Petroleum and Coal Products Manufacturing
3241Petroleum and Coal Products Manufacturing
32411Petroleum Refineries

324110Petroleum Refineries
32412Asphalt Paving, Roofing, and Saturated Materials
Manufacturing

324121Asphalt Paving Mixture and Block Manufacturing

324122Asphalt Shingle and Coating Materials Manufacturing
32419Other Petroleum and Coal Products Manufacturing

324191Petroleum Lubricating Oil and Grease Manufacturing

324199All Other Petroleum and Coal Products Manufacturing
325Chemical Manufacturing
3251Basic Chemical Manufacturing
32511Petrochemical Manufacturing

325110Petrochemical Manufacturing
32512Industrial Gas Manufacturing

325120Industrial Gas Manufacturing
32513Synthetic Dye and Pigment Manufacturing

325131Inorganic Dye and Pigment Manufacturing

325132Synthetic Organic Dye and Pigment Manufacturing
32518Other Basic Inorganic Chemical Manufacturing

325181Alkalies and Chlorine Manufacturing

325182Carbon Black Manufacturing

325188All Other Basic Inorganic Chemical Manufacturing
32519Other Basic Organic Chemical Manufacturing

325191Gum and Wood Chemical Manufacturing

325192Cyclic Crude and Intermediate Manufacturing
 325193Ethyl Alcohol Manufacturing
 325199All Other Basic Organic Chemical Manufacturing
 3252Resin, Synthetic Rubber, and Artificial Synthetic
 Fibers and Filaments Manufacturing
 32521Resin and Synthetic Rubber Manufacturing
 325211Plastics Material and Resin Manufacturing
 325212Synthetic Rubber Manufacturing
 32522Artificial and Synthetic Fibers and Filaments
 Manufacturing
 325221Cellulosic Organic Fiber Manufacturing
 325222Noncellulosic Organic Fiber Manufacturing
 3253Pesticide, Fertilizer, and Other Agricultural Chemical
 Manufacturing
 32531Fertilizer Manufacturing
 325311Nitrogenous Fertilizer Manufacturing
 325312Phosphatic Fertilizer Manufacturing
 325314Fertilizer (Mixing Only) Manufacturing
 32532Pesticide and Other Agricultural Chemical
 Manufacturing
 325320Pesticide and Other Agricultural Chemical
 Manufacturing
 3254Pharmaceutical and Medicine Manufacturing
 32541Pharmaceutical and Medicine Manufacturing
 325411Medicinal and Botanical Manufacturing
 325412Pharmaceutical Preparation Manufacturing
 325413In-Vitro Diagnostic Substance Manufacturing
 325414Biological Product (except Diagnostic) Manufacturing
 3255Paint, Coating, and Adhesive Manufacturing
 32551Paint and Coating Manufacturing
 325510Paint and Coating Manufacturing
 32552Adhesive Manufacturing
 325520Adhesive Manufacturing
 3256Soap, Cleaning Compound, and Toilet Preparation
 Manufacturing
 32561Soap and Cleaning Compound Manufacturing
 325611Soap and Other Detergent Manufacturing
 325612Polish and Other Sanitation Good Manufacturing
 325613Surface Active Agent Manufacturing
 32562Toilet Preparation Manufacturing
 325620Toilet Preparation Manufacturing
 3259Other Chemical Product and Preparation Manufacturing
 32591Printing Ink Manufacturing
 325910Printing Ink Manufacturing
 32592Explosives Manufacturing
 325920Explosives Manufacturing
 32599All Other Chemical Product and Preparation
 Manufacturing
 325991Custom Compounding of Purchased Resins
 325992Photographic Film, Paper, Plate, and Chemical
 Manufacturing
 325998All Other Miscellaneous Chemical Product and
 Preparation Manufacturing
 326Plastics and Rubber Products Manufacturing
 3261Plastics Product Manufacturing
 32611Plastics Packaging Materials and Unlaminated Film
 and Sheet Manufacturing
 326111Plastics Bag Manufacturing
 326112Plastics Packaging Film and Sheet (including
 Laminated) Manufacturing
 326113Unlaminated Plastics Film and Sheet (except
 Packaging) Manufacturing

32612Plastics Pipe, Pipe Fitting, and Unlaminated Profile
 Shape Manufacturing
 326121Unlaminated Plastics Profile Shape Manufacturing
 326122Plastics Pipe and Pipe Fitting Manufacturing
 32613Laminated Plastics Plate, Sheet (except Packaging),
 and Shape Manufacturing
 326130Laminated Plastics Plate, Sheet (except Packaging),
 and Shape Manufacturing
 32614Polystyrene Foam Product Manufacturing
 326140Polystyrene Foam Product Manufacturing
 32615Urethane and Other Foam Product (except
 Polystyrene) Manufacturing
 326150Urethane and Other Foam Product (except
 Polystyrene) Manufacturing
 32616Plastics Bottle Manufacturing
 326160Plastics Bottle Manufacturing
 32619Other Plastics Product Manufacturing
 326191Plastics Plumbing Fixture Manufacturing
 326192Resilient Floor Covering Manufacturing
 326199All Other Plastics Product Manufacturing
 3262Rubber Product Manufacturing
 32621Tire Manufacturing
 326211Tire Manufacturing (except Retreading)
 326212Tire Retreading
 32622Rubber and Plastics Hoses and Belting Manufacturing
 326220Rubber and Plastics Hoses and Belting Manufacturing
 32629Other Rubber Product Manufacturing
 326291Rubber Product Manufacturing for Mechanical Use
 326299All Other Rubber Product Manufacturing
 327Nonmetallic Mineral Product Manufacturing
 3271Clay Product and Refractory Manufacturing
 32711Pottery, Ceramics, and Plumbing Fixture
 Manufacturing
 327111Vitreous China Plumbing Fixture and China and
 Earthenware Bathroom Accessories Manufacturing
 327112Vitreous China, Fine Earthenware, and Other Pottery
 Product Manufacturing
 327113Porcelain Electrical Supply Manufacturing
 32712Clay Building Material and Refractories Manufacturing
 327121Brick and Structural Clay Tile Manufacturing
 327122Ceramic Wall and Floor Tile Manufacturing
 327123Other Structural Clay Product Manufacturing
 327124Clay Refractory Manufacturing
 327125Nonclay Refractory Manufacturing
 3272Glass and Glass Product Manufacturing
 32721Glass and Glass Product Manufacturing
 327211Flat Glass Manufacturing
 327212Other Pressed and Blown Glass and Glassware
 Manufacturing
 327213Glass Container Manufacturing
 327215Glass Product Manufacturing Made of Purchased
 Glass
 3273Cement and Concrete Product Manufacturing
 32731Cement Manufacturing
 327310Cement Manufacturing
 32732Ready-Mix Concrete Manufacturing
 327320Ready-Mix Concrete Manufacturing
 32733Concrete Pipe, Brick, and Block Manufacturing
 327331Concrete Block and Brick Manufacturing
 327332Concrete Pipe Manufacturing
 32739Other Concrete Product Manufacturing
 327390Other Concrete Product Manufacturing
 3274Lime and Gypsum Product Manufacturing

32741Lime Manufacturing
 327410Lime Manufacturing
 32742Gypsum Product Manufacturing
 327420Gypsum Product Manufacturing
 3279Other Nonmetallic Mineral Product Manufacturing
 32791Abrasive Product Manufacturing
 327910Abrasive Product Manufacturing
 32799All Other Nonmetallic Mineral Product Manufacturing
 327991Cut Stone and Stone Product Manufacturing
 327992Ground or Treated Mineral and Earth Manufacturing
 327993Mineral Wool Manufacturing
 327999All Other Miscellaneous Nonmetallic Mineral Product
 Manufacturing
 331Primary Metal Manufacturing
 3311Iron and Steel Mills and Ferroalloy Manufacturing
 33111Iron and Steel Mills and Ferroalloy Manufacturing
 331111Iron and Steel Mills
 331112Electrometallurgical Ferroalloy Product Manufacturing
 3312Steel Product Manufacturing from Purchased Steel
 33121Iron and Steel Pipe and Tube Manufacturing from
 Purchased Steel
 331210Iron and Steel Pipe and Tube Manufacturing from
 Purchased Steel
 33122Rolling and Drawing of Purchased Steel
 331221Rolled Steel Shape Manufacturing
 331222Steel Wire Drawing
 3313Alumina and Aluminum Production and Processing
 33131Alumina and Aluminum Production and Processing
 331311Alumina Refining
 331312Primary Aluminum Production
 331314Secondary Smelting and Alloying of Aluminum
 331315Aluminum Sheet, Plate, and Foil Manufacturing
 331316Aluminum Extruded Product Manufacturing
 331319Other Aluminum Rolling and Drawing
 3314Nonferrous Metal (except Aluminum) Production and
 Processing
 33141Nonferrous Metal (except Aluminum) Smelting and
 Refining
 331411Primary Smelting and Refining of Copper
 331419Primary Smelting and Refining of Nonferrous Metal
 (except Copper and Aluminum)
 33142Copper Rolling, Drawing, Extruding, and Alloying
 331421Copper Rolling, Drawing, and Extruding
 331422Copper Wire (except Mechanical) Drawing
 331423Secondary Smelting, Refining, and Alloying of Copper
 33149Nonferrous Metal (except Copper and Aluminum)
 Rolling, Drawing, Extruding, and Alloying
 331491Nonferrous Metal (except Copper and Aluminum)
 Rolling, Drawing, and Extruding
 331492Secondary Smelting, Refining, and Alloying of
 Nonferrous Metal (except Copper and Aluminum)
 3315Foundries
 33151Ferrous Metal Foundries
 331511Iron Foundries
 331512Steel Investment Foundries
 331513Steel Foundries (except Investment)
 33152Nonferrous Metal Foundries
 331521Aluminum Die-Casting Foundries
 331522Nonferrous (except Aluminum) Die-Casting Foundries
 331524Aluminum Foundries (except Die-Casting)
 331525Copper Foundries (except Die-Casting)
 331528Other Nonferrous Foundries (except Die-Casting)
 332Fabricated Metal Product Manufacturing
 3321Forging and Stamping

33211 Forging and Stamping
 332111 Iron and Steel Forging
 332112 Nonferrous Forging
 332114 Custom Roll Forming
 332115 Crown and Closure Manufacturing
 332116 Metal Stamping
 332117 Powder Metallurgy Part Manufacturing
 3322 Cutlery and Handtool Manufacturing
 33221 Cutlery and Handtool Manufacturing
 332211 Cutlery and Flatware (except Precious) Manufacturing
 332212 Hand and Edge Tool Manufacturing
 332213 Saw Blade and Handsaw Manufacturing
 332214 Kitchen Utensil, Pot, and Pan Manufacturing
 3323 Architectural and Structural Metals Manufacturing
 33231 Plate Work and Fabricated Structural Product
 Manufacturing
 332311 Prefabricated Metal Building and Component
 Manufacturing
 332312 Fabricated Structural Metal Manufacturing
 332313 Plate Work Manufacturing
 33232 Ornamental and Architectural Metal Products
 Manufacturing
 332321 Metal Window and Door Manufacturing
 332322 Sheet Metal Work Manufacturing
 332323 Ornamental and Architectural Metal Work
 Manufacturing
 3324 Boiler, Tank, and Shipping Container Manufacturing
 33241 Power Boiler and Heat Exchanger Manufacturing
 332410 Power Boiler and Heat Exchanger Manufacturing
 33242 Metal Tank (Heavy Gauge) Manufacturing
 332420 Metal Tank (Heavy Gauge) Manufacturing
 33243 Metal Can, Box, and Other Metal Container (Light
 Gauge) Manufacturing
 332431 Metal Can Manufacturing
 332439 Other Metal Container Manufacturing
 3325 Hardware Manufacturing
 33251 Hardware Manufacturing
 332510 Hardware Manufacturing
 3326 Spring and Wire Product Manufacturing
 33261 Spring and Wire Product Manufacturing
 332611 Spring (Heavy Gauge) Manufacturing
 332612 Spring (Light Gauge) Manufacturing
 332618 Other Fabricated Wire Product Manufacturing
 3327 Machine Shops; Turned Product; and Screw, Nut, and
 Bolt Manufacturing
 33271 Machine Shops
 332710 Machine Shops
 33272 Turned Product and Screw, Nut, and Bolt
 Manufacturing
 332721 Precision Turned Product Manufacturing
 332722 Bolt, Nut, Screw, Rivet, and Washer Manufacturing
 3328 Coating, Engraving, Heat Treating, and Allied Activities
 33281 Coating, Engraving, Heat Treating, and Allied Activities
 332811 Metal Heat Treating
 332812 Metal Coating, Engraving (except Jewelry and
 Silverware), and Allied Services to Manufacturers
 332813 Electroplating, Plating, Polishing, Anodizing, and
 Coloring
 3329 Other Fabricated Metal Product Manufacturing
 33291 Metal Valve Manufacturing
 332911 Industrial Valve Manufacturing
 332912 Fluid Power Valve and Hose Fitting Manufacturing
 332913 Plumbing Fixture Fitting and Trim Manufacturing
 332919 Other Metal Valve and Pipe Fitting Manufacturing

33299All Other Fabricated Metal Product Manufacturing
 332991Ball and Roller Bearing Manufacturing
 332992Small Arms Ammunition Manufacturing
 332993Ammunition (except Small Arms) Manufacturing
 332994Small Arms Manufacturing
 332995Other Ordnance and Accessories Manufacturing
 332996Fabricated Pipe and Pipe Fitting Manufacturing
 332997Industrial Pattern Manufacturing
 332998Enameled Iron and Metal Sanitary Ware Manufacturing
 332999All Other Miscellaneous Fabricated Metal Product
 Manufacturing
 333Machinery Manufacturing
 3331Agriculture, Construction, and Mining Machinery
 Manufacturing
 33311Agricultural Implement Manufacturing
 333111Farm Machinery and Equipment Manufacturing
 333112Lawn and Garden Tractor and Home Lawn and Garden
 Equipment Manufacturing
 33312Construction Machinery Manufacturing
 333120Construction Machinery Manufacturing
 33313Mining and Oil and Gas Field Machinery Manufacturing
 333131Mining Machinery and Equipment Manufacturing
 333132Oil and Gas Field Machinery and Equipment
 Manufacturing
 3332Industrial Machinery Manufacturing
 33321Sawmill and Woodworking Machinery Manufacturing
 333210Sawmill and Woodworking Machinery Manufacturing
 33322Plastics and Rubber Industry Machinery Manufacturing
 333220Plastics and Rubber Industry Machinery Manufacturing
 33329Other Industrial Machinery Manufacturing
 333291Paper Industry Machinery Manufacturing
 333292Textile Machinery Manufacturing
 333293Printing Machinery and Equipment Manufacturing
 333294Food Product Machinery Manufacturing
 333295Semiconductor Machinery Manufacturing
 333298All Other Industrial Machinery Manufacturing
 3333Commercial and Service Industry Machinery
 Manufacturing
 33331Commercial and Service Industry Machinery
 Manufacturing
 333311Automatic Vending Machine Manufacturing
 333312Commercial Laundry, Drycleaning, and Pressing
 Machine Manufacturing
 333313Office Machinery Manufacturing
 333314Optical Instrument and Lens Manufacturing
 333315Photographic and Photocopying Equipment
 Manufacturing
 333319Other Commercial and Service Industry Machinery
 Manufacturing
 3334Ventilation, Heating, Air-Conditioning, and Commercial
 Refrigeration Equipment Manufacturing
 33341Ventilation, Heating, Air-Conditioning, and Commercial
 Refrigeration Equipment Manufacturing
 333411Air Purification Equipment Manufacturing
 333412Industrial and Commercial Fan and Blower
 Manufacturing
 333414Heating Equipment (except Warm Air Furnaces)
 Manufacturing
 333415Air-Conditioning and Warm Air Heating Equipment and
 Commercial and Industrial Refrigeration Equipment
 Manufacturing
 3335Metalworking Machinery Manufacturing
 33351Metalworking Machinery Manufacturing

333511Industrial Mold Manufacturing
 333512Machine Tool (Metal Cutting Types) Manufacturing
 333513Machine Tool (Metal Forming Types) Manufacturing
 333514Special Die and Tool, Die Set, Jig, and Fixture
 Manufacturing
 333515Cutting Tool and Machine Tool Accessory
 Manufacturing
 333516Rolling Mill Machinery and Equipment Manufacturing
 333518Other Metalworking Machinery Manufacturing
 3336Engine, Turbine, and Power Transmission Equipment
 Manufacturing
 33361Engine, Turbine, and Power Transmission Equipment
 Manufacturing
 333611Turbine and Turbine Generator Set Units Manufacturing
 333612Speed Changer, Industrial High-Speed Drive, and Gear
 Manufacturing
 333613Mechanical Power Transmission Equipment
 Manufacturing
 333618Other Engine Equipment Manufacturing
 3339Other General Purpose Machinery Manufacturing
 33391Pump and Compressor Manufacturing
 333911Pump and Pumping Equipment Manufacturing
 333912Air and Gas Compressor Manufacturing
 333913Measuring and Dispensing Pump Manufacturing
 33392Material Handling Equipment Manufacturing
 333921Elevator and Moving Stairway Manufacturing
 333922Conveyor and Conveying Equipment Manufacturing
 333923Overhead Traveling Crane, Hoist, and Monorail System
 Manufacturing
 333924Industrial Truck, Tractor, Trailer, and Stacker
 Machinery Manufacturing
 33399All Other General Purpose Machinery Manufacturing
 333991Power-Driven Handtool Manufacturing
 333992Welding and Soldering Equipment Manufacturing
 333993Packaging Machinery Manufacturing
 333994Industrial Process Furnace and Oven Manufacturing
 333995Fluid Power Cylinder and Actuator Manufacturing
 333996Fluid Power Pump and Motor Manufacturing
 333997Scale and Balance (except Laboratory) Manufacturing
 333999All Other Miscellaneous General Purpose Machinery
 Manufacturing
 334Computer and Electronic Product Manufacturing
 3341Computer and Peripheral Equipment Manufacturing
 33411Computer and Peripheral Equipment Manufacturing
 334111Electronic Computer Manufacturing
 334112Computer Storage Device Manufacturing
 334113Computer Terminal Manufacturing
 334119Other Computer Peripheral Equipment Manufacturing
 3342Communications Equipment Manufacturing
 33421Telephone Apparatus Manufacturing
 334210Telephone Apparatus Manufacturing
 33422Radio and Television Broadcasting and Wireless
 Communications Equipment Manufacturing
 334220Radio and Television Broadcasting and Wireless
 Communications Equipment Manufacturing
 33429Other Communications Equipment Manufacturing
 334290Other Communications Equipment Manufacturing
 3343Audio and Video Equipment Manufacturing
 33431Audio and Video Equipment Manufacturing
 334310Audio and Video Equipment Manufacturing
 3344Semiconductor and Other Electronic Component
 Manufacturing

33441 Semiconductor and Other Electronic Component Manufacturing

334411 Electron Tube Manufacturing

334412 Bare Printed Circuit Board Manufacturing

334413 Semiconductor and Related Device Manufacturing

334414 Electronic Capacitor Manufacturing

334415 Electronic Resistor Manufacturing

334416 Electronic Coil, Transformer, and Other Inductor Manufacturing

334417 Electronic Connector Manufacturing

334418 Printed Circuit Assembly (Electronic Assembly) Manufacturing

334419 Other Electronic Component Manufacturing

3345 Navigational, Measuring, Electromedical, and Control Instruments Manufacturing

33451 Navigational, Measuring, Electromedical, and Control Instruments Manufacturing

334510 Electromedical and Electrotherapeutic Apparatus Manufacturing

334511 Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

334512 Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use

334513 Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables

334514 Totalizing Fluid Meter and Counting Device Manufacturing

334515 Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals

334516 Analytical Laboratory Instrument Manufacturing

334517 Irradiation Apparatus Manufacturing

334518 Watch, Clock, and Part Manufacturing

334519 Other Measuring and Controlling Device Manufacturing

3346 Manufacturing and Reproducing Magnetic and Optical Media

33461 Manufacturing and Reproducing Magnetic and Optical Media

334611 Software Reproducing

334612 Prerecorded Compact Disc (except Software), Tape, and Record Reproducing

334613 Magnetic and Optical Recording Media Manufacturing

335 Electrical Equipment, Appliance, and Component Manufacturing

3351 Electric Lighting Equipment Manufacturing

33511 Electric Lamp Bulb and Part Manufacturing

335110 Electric Lamp Bulb and Part Manufacturing

33512 Lighting Fixture Manufacturing

335121 Residential Electric Lighting Fixture Manufacturing

335122 Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing

335129 Other Lighting Equipment Manufacturing

3352 Household Appliance Manufacturing

33521 Small Electrical Appliance Manufacturing

335211 Electric Housewares and Household Fan Manufacturing

335212 Household Vacuum Cleaner Manufacturing

33522 Major Appliance Manufacturing

335221 Household Cooking Appliance Manufacturing

335222 Household Refrigerator and Home Freezer Manufacturing

335224 Household Laundry Equipment Manufacturing

335228 Other Major Household Appliance Manufacturing

3353Electrical Equipment Manufacturing
 33531Electrical Equipment Manufacturing
 335311Power, Distribution, and Specialty Transformer
 Manufacturing
 335312Motor and Generator Manufacturing
 335313Switchgear and Switchboard Apparatus Manufacturing
 335314Relay and Industrial Control Manufacturing
 3359Other Electrical Equipment and Component
 Manufacturing
 33591Battery Manufacturing
 335911Storage Battery Manufacturing
 335912Primary Battery Manufacturing
 33592Communication and Energy Wire and Cable
 Manufacturing
 335921Fiber Optic Cable Manufacturing
 335929Other Communication and Energy Wire Manufacturing
 33593Wiring Device Manufacturing
 335931Current-Carrying Wiring Device Manufacturing
 335932Noncurrent-Carrying Wiring Device Manufacturing
 33599All Other Electrical Equipment and Component
 Manufacturing
 335991Carbon and Graphite Product Manufacturing
 335999All Other Miscellaneous Electrical Equipment and
 Component Manufacturing
 336Transportation Equipment Manufacturing
 3361Motor Vehicle Manufacturing
 33611Automobile and Light Duty Motor Vehicle
 Manufacturing
 336111Automobile Manufacturing
 336112Light Truck and Utility Vehicle Manufacturing
 33612Heavy Duty Truck Manufacturing
 336120Heavy Duty Truck Manufacturing
 3362Motor Vehicle Body and Trailer Manufacturing
 33621Motor Vehicle Body and Trailer Manufacturing
 336211Motor Vehicle Body Manufacturing
 336212Truck Trailer Manufacturing
 336213Motor Home Manufacturing
 336214Travel Trailer and Camper Manufacturing
 3363Motor Vehicle Parts Manufacturing
 33631Motor Vehicle Gasoline Engine and Engine Parts
 Manufacturing
 336311Carburetor, Piston, Piston Ring, and Valve
 Manufacturing
 336312Gasoline Engine and Engine Parts Manufacturing
 33632Motor Vehicle Electrical and Electronic Equipment
 Manufacturing
 336321Vehicular Lighting Equipment Manufacturing
 336322Other Motor Vehicle Electrical and Electronic
 Equipment Manufacturing
 33633Motor Vehicle Steering and Suspension Components
 (except Spring) Manufacturing
 336330Motor Vehicle Steering and Suspension Components
 (except Spring) Manufacturing
 33634Motor Vehicle Brake System Manufacturing
 336340Motor Vehicle Brake System Manufacturing
 33635Motor Vehicle Transmission and Power Train Parts
 Manufacturing
 336350Motor Vehicle Transmission and Power Train Parts
 Manufacturing
 33636Motor Vehicle Seating and Interior Trim Manufacturing
 336360Motor Vehicle Seating and Interior Trim Manufacturing
 33637Motor Vehicle Metal Stamping
 336370Motor Vehicle Metal Stamping

33639Other Motor Vehicle Parts Manufacturing
 336391Motor Vehicle Air-Conditioning Manufacturing
 336399All Other Motor Vehicle Parts Manufacturing
 3364Aerospace Product and Parts Manufacturing
 33641Aerospace Product and Parts Manufacturing
 336411Aircraft Manufacturing
 336412Aircraft Engine and Engine Parts Manufacturing
 336413Other Aircraft Parts and Auxiliary Equipment
 Manufacturing
 336414Guided Missile and Space Vehicle Manufacturing
 336415Guided Missile and Space Vehicle Propulsion Unit and
 Propulsion Unit Parts Manufacturing
 336419Other Guided Missile and Space Vehicle Parts and
 Auxiliary Equipment Manufacturing
 3365Railroad Rolling Stock Manufacturing
 33651Railroad Rolling Stock Manufacturing
 336510Railroad Rolling Stock Manufacturing
 3366Ship and Boat Building
 33661Ship and Boat Building
 336611Ship Building and Repairing
 336612Boat Building
 3369Other Transportation Equipment Manufacturing
 33699Other Transportation Equipment Manufacturing
 336991Motorcycle, Bicycle, and Parts Manufacturing
 336992Military Armored Vehicle, Tank, and Tank Component
 Manufacturing
 336999All Other Transportation Equipment Manufacturing
 337Furniture and Related Product Manufacturing
 3371Household and Institutional Furniture and Kitchen
 Cabinet Manufacturing
 33711Wood Kitchen Cabinet and Countertop Manufacturing
 337110Wood Kitchen Cabinet and Countertop Manufacturing
 33712Household and Institutional Furniture Manufacturing
 337121Upholstered Household Furniture Manufacturing
 337122Nonupholstered Wood Household Furniture
 Manufacturing
 337124Metal Household Furniture Manufacturing
 337125Household Furniture (except Wood and Metal)
 Manufacturing
 337127Institutional Furniture Manufacturing
 337129Wood Television, Radio, and Sewing Machine Cabinet
 Manufacturing
 3372Office Furniture (including Fixtures) Manufacturing
 33721Office Furniture (including Fixtures) Manufacturing
 337211Wood Office Furniture Manufacturing
 337212Custom Architectural Woodwork and Millwork
 Manufacturing
 337214Office Furniture (except Wood) Manufacturing
 337215Showcase, Partition, Shelving, and Locker
 Manufacturing
 3379Other Furniture Related Product Manufacturing
 33791Mattress Manufacturing
 337910Mattress Manufacturing
 33792Blind and Shade Manufacturing
 337920Blind and Shade Manufacturing
 339Miscellaneous Manufacturing
 3391Medical Equipment and Supplies Manufacturing
 33911Medical Equipment and Supplies Manufacturing
 339111Laboratory Apparatus and Furniture Manufacturing
 339112Surgical and Medical Instrument Manufacturing
 339113Surgical Appliance and Supplies Manufacturing
 339114Dental Equipment and Supplies Manufacturing
 339115Ophthalmic Goods Manufacturing

339116Dental Laboratories
 3399Other Miscellaneous Manufacturing
 33991Jewelry and Silverware Manufacturing
 339911Jewelry (except Costume) Manufacturing
 339912Silverware and Hollowware Manufacturing
 339913Jewelers' Material and Lapidary Work Manufacturing
 339914Costume Jewelry and Novelty Manufacturing
 33992Sporting and Athletic Goods Manufacturing
 339920Sporting and Athletic Goods Manufacturing
 33993Doll, Toy, and Game Manufacturing
 339931Doll and Stuffed Toy Manufacturing
 339932Game, Toy, and Children's Vehicle Manufacturing
 33994Office Supplies (except Paper) Manufacturing
 339941Pen and Mechanical Pencil Manufacturing
 339942Lead Pencil and Art Good Manufacturing
 339943Marking Device Manufacturing
 339944Carbon Paper and Inked Ribbon Manufacturing
 33995Sign Manufacturing
 339950Sign Manufacturing
 33999All Other Miscellaneous Manufacturing
 339991Gasket, Packing, and Sealing Device Manufacturing
 339992Musical Instrument Manufacturing
 339993Fastener, Button, Needle, and Pin Manufacturing
 339994Broom, Brush, and Mop Manufacturing
 339995Burial Casket Manufacturing
 339999All Other Miscellaneous Manufacturing
 42Wholesale Trade
 423Merchant Wholesalers, Durable Goods
 4231Motor Vehicle and Motor Vehicle Parts and Supplies
 Merchant Wholesalers
 42311Automobile and Other Motor Vehicle Merchant
 Wholesalers
 423110Automobile and Other Motor Vehicle Merchant
 Wholesalers
 42312Motor Vehicle Supplies and New Parts Merchant
 Wholesalers
 423120Motor Vehicle Supplies and New Parts Merchant
 Wholesalers
 42313Tire and Tube Merchant Wholesalers
 423130Tire and Tube Merchant Wholesalers
 42314Motor Vehicle Parts (Used) Merchant Wholesalers
 423140Motor Vehicle Parts (Used) Merchant Wholesalers
 4232Furniture and Home Furnishing Merchant Wholesalers
 42321Furniture Merchant Wholesalers
 423210Furniture Merchant Wholesalers
 42322Home Furnishing Merchant Wholesalers
 423220Home Furnishing Merchant Wholesalers
 4233Lumber and Other Construction Materials Merchant
 Wholesalers
 42331Lumber, Plywood, Millwork, and Wood Panel
 Merchant Wholesalers
 423310Lumber, Plywood, Millwork, and Wood Panel
 Merchant Wholesalers
 42332Brick, Stone, and Related Construction Material
 Merchant Wholesalers
 423320Brick, Stone, and Related Construction Material
 Merchant Wholesalers
 42333Roofing, Siding, and Insulation Material Merchant
 Wholesalers
 423330Roofing, Siding, and Insulation Material Merchant
 Wholesalers
 42339Other Construction Material Merchant Wholesalers
 423390Other Construction Material Merchant Wholesalers

4234 Professional and Commercial Equipment and Supplies Merchant Wholesalers

42341 Photographic Equipment and Supplies Merchant Wholesalers

423410 Photographic Equipment and Supplies Merchant Wholesalers

42342 Office Equipment Merchant Wholesalers

423420 Office Equipment Merchant Wholesalers

42343 Computer and Computer Peripheral Equipment and Software Merchant Wholesalers

423430 Computer and Computer Peripheral Equipment and Software Merchant Wholesalers

42344 Other Commercial Equipment Merchant Wholesalers

423440 Other Commercial Equipment Merchant Wholesalers

42345 Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers

423450 Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers

42346 Ophthalmic Goods Merchant Wholesalers

423460 Ophthalmic Goods Merchant Wholesalers

42349 Other Professional Equipment and Supplies Merchant Wholesalers

423490 Other Professional Equipment and Supplies Merchant Wholesalers

4235 Metal and Mineral (except Petroleum) Merchant Wholesalers

42351 Metal Service Centers and Other Metal Merchant Wholesalers

423510 Metal Service Centers and Other Metal Merchant Wholesalers

42352 Coal and Other Mineral and Ore Merchant Wholesalers

423520 Coal and Other Mineral and Ore Merchant Wholesalers

4236 Electrical and Electronic Goods Merchant Wholesalers

42361 Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers

423610 Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers

42362 Electrical and Electronic Appliance, Television, and Radio Set Merchant Wholesalers

423620 Electrical and Electronic Appliance, Television, and Radio Set Merchant Wholesalers

42369 Other Electronic Parts and Equipment Merchant Wholesalers

423690 Other Electronic Parts and Equipment Merchant Wholesalers

4237 Hardware, and Plumbing and Heating Equipment and Supplies Merchant Wholesalers

42371 Hardware Merchant Wholesalers

423710 Hardware Merchant Wholesalers

42372 Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers

423720 Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers

42373 Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers

423730 Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers

42374 Refrigeration Equipment and Supplies Merchant Wholesalers

423740 Refrigeration Equipment and Supplies Merchant Wholesalers

4238 Machinery, Equipment, and Supplies Merchant Wholesalers

42381 Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers

423810 Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers

42382 Farm and Garden Machinery and Equipment Merchant Wholesalers

423820 Farm and Garden Machinery and Equipment Merchant Wholesalers

42383 Industrial Machinery and Equipment Merchant Wholesalers

423830 Industrial Machinery and Equipment Merchant Wholesalers

42384 Industrial Supplies Merchant Wholesalers

423840 Industrial Supplies Merchant Wholesalers

42385 Service Establishment Equipment and Supplies Merchant Wholesalers

423850 Service Establishment Equipment and Supplies Merchant Wholesalers

42386 Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers

423860 Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers

4239 Miscellaneous Durable Goods Merchant Wholesalers

42391 Sporting and Recreational Goods and Supplies Merchant Wholesalers

423910 Sporting and Recreational Goods and Supplies Merchant Wholesalers

42392 Toy and Hobby Goods and Supplies Merchant Wholesalers

423920 Toy and Hobby Goods and Supplies Merchant Wholesalers

42393 Recyclable Material Merchant Wholesalers

423930 Recyclable Material Merchant Wholesalers

42394 Jewelry, Watch, Precious Stone, and Precious Metal Merchant Wholesalers

423940 Jewelry, Watch, Precious Stone, and Precious Metal Merchant Wholesalers

42399 Other Miscellaneous Durable Goods Merchant Wholesalers

423990 Other Miscellaneous Durable Goods Merchant Wholesalers

424 Merchant Wholesalers, Nondurable Goods

4241 Paper and Paper Product Merchant Wholesalers

42411 Printing and Writing Paper Merchant Wholesalers

424110 Printing and Writing Paper Merchant Wholesalers

42412 Stationery and Office Supplies Merchant Wholesalers

424120 Stationery and Office Supplies Merchant Wholesalers

42413 Industrial and Personal Service Paper Merchant Wholesalers

424130 Industrial and Personal Service Paper Merchant Wholesalers

4242 Drugs and Druggists' Sundries Merchant Wholesalers

42421 Drugs and Druggists' Sundries Merchant Wholesalers

424210 Drugs and Druggists' Sundries Merchant Wholesalers

4243 Apparel, Piece Goods, and Notions Merchant Wholesalers

42431 Piece Goods, Notions, and Other Dry Goods Merchant Wholesalers

424310 Piece Goods, Notions, and Other Dry Goods Merchant Wholesalers

42432Men's and Boys' Clothing and Furnishings Merchant Wholesalers
424320Men's and Boys' Clothing and Furnishings Merchant Wholesalers
42433Women's, Children's, and Infants' Clothing and Accessories Merchant Wholesalers
424330Women's, Children's, and Infants' Clothing and Accessories Merchant Wholesalers
42434Footwear Merchant Wholesalers
424340Footwear Merchant Wholesalers
4244Grocery and Related Product Wholesalers
42441General Line Grocery Merchant Wholesalers
424410General Line Grocery Merchant Wholesalers
42442Packaged Frozen Food Merchant Wholesalers
424420Packaged Frozen Food Merchant Wholesalers
42443Dairy Product (except Dried or Canned) Merchant Wholesalers
424430Dairy Product (except Dried or Canned) Merchant Wholesalers
42444Poultry and Poultry Product Merchant Wholesalers
424440Poultry and Poultry Product Merchant Wholesalers
42445Confectionery Merchant Wholesalers
424450Confectionery Merchant Wholesalers
42446Fish and Seafood Merchant Wholesalers
424460Fish and Seafood Merchant Wholesalers
42447Meat and Meat Product Merchant Wholesalers
424470Meat and Meat Product Merchant Wholesalers
42448Fresh Fruit and Vegetable Merchant Wholesalers
424480Fresh Fruit and Vegetable Merchant Wholesalers
42449Other Grocery and Related Products Merchant Wholesalers
424490Other Grocery and Related Products Merchant Wholesalers
4245Farm Product Raw Material Merchant Wholesalers
42451Grain and Field Bean Merchant Wholesalers
424510Grain and Field Bean Merchant Wholesalers
42452Livestock Merchant Wholesalers
424520Livestock Merchant Wholesalers
42459Other Farm Product Raw Material Merchant Wholesalers
424590Other Farm Product Raw Material Merchant Wholesalers
4246Chemical and Allied Products Merchant Wholesalers
42461Plastics Materials and Basic Forms and Shapes Merchant Wholesalers
424610Plastics Materials and Basic Forms and Shapes Merchant Wholesalers
42469Other Chemical and Allied Products Merchant Wholesalers
424690Other Chemical and Allied Products Merchant Wholesalers
4247Petroleum and Petroleum Products Merchant Wholesalers
42471Petroleum Bulk Stations and Terminals
424710Petroleum Bulk Stations and Terminals
42472Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)
424720Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)
4248Beer, Wine, and Distilled Alcoholic Beverage Merchant Wholesalers
42481Beer and Ale Merchant Wholesalers
424810Beer and Ale Merchant Wholesalers

42482 Wine and Distilled Alcoholic Beverage Merchant Wholesalers
 424820 Wine and Distilled Alcoholic Beverage Merchant Wholesalers
 4249 Miscellaneous Nondurable Goods Merchant Wholesalers
 42491 Farm Supplies Merchant Wholesalers
 424910 Farm Supplies Merchant Wholesalers
 42492 Book, Periodical, and Newspaper Merchant Wholesalers
 424920 Book, Periodical, and Newspaper Merchant Wholesalers
 42493 Flower, Nursery Stock, and Florists' Supplies Merchant Wholesalers
 424930 Flower, Nursery Stock, and Florists' Supplies Merchant Wholesalers
 42494 Tobacco and Tobacco Product Merchant Wholesalers
 424940 Tobacco and Tobacco Product Merchant Wholesalers
 42495 Paint, Varnish, and Supplies Merchant Wholesalers
 424950 Paint, Varnish, and Supplies Merchant Wholesalers
 42499 Other Miscellaneous Nondurable Goods Merchant Wholesalers
 424990 Other Miscellaneous Nondurable Goods Merchant Wholesalers
 425 Wholesale Electronic Markets and Agents and Brokers
 4251 Wholesale Electronic Markets and Agents and Brokers
 42511 Business to Business Electronic Markets
 425110 Business to Business Electronic Markets
 42512 Wholesale Trade Agents and Brokers
 425120 Wholesale Trade Agents and Brokers
 44-45 Retail Trade
 441 Motor Vehicle and Parts Dealers
 4411 Automobile Dealers
 44111 New Car Dealers
 441110 New Car Dealers
 44112 Used Car Dealers
 441120 Used Car Dealers
 4412 Other Motor Vehicle Dealers
 44121 Recreational Vehicle Dealers
 441210 Recreational Vehicle Dealers
 44122 Motorcycle, Boat, and Other Motor Vehicle Dealers
 441221 Motorcycle Dealers
 441222 Boat Dealers
 441229 All Other Motor Vehicle Dealers
 4413 Automotive Parts, Accessories, and Tire Stores
 44131 Automotive Parts and Accessories Stores
 441310 Automotive Parts and Accessories Stores
 44132 Tire Dealers
 441320 Tire Dealers
 442 Furniture and Home Furnishings Stores
 4421 Furniture Stores
 44211 Furniture Stores
 442110 Furniture Stores
 4422 Home Furnishings Stores
 44221 Floor Covering Stores
 442210 Floor Covering Stores
 44229 Other Home Furnishings Stores
 442291 Window Treatment Stores
 442299 All Other Home Furnishings Stores
 443 Electronics and Appliance Stores
 4431 Electronics and Appliance Stores
 44311 Appliance, Television, and Other Electronics Stores
 443111 Household Appliance Stores
 443112 Radio, Television, and Other Electronics Stores

44312Computer and Software Stores
 443120Computer and Software Stores
 44313Camera and Photographic Supplies Stores
 443130Camera and Photographic Supplies Stores
 444Building Material and Garden Equipment and Supplies
 Dealers
 4441Building Material and Supplies Dealers
 44411Home Centers
 444110Home Centers
 44412Paint and Wallpaper Stores
 444120Paint and Wallpaper Stores
 44413Hardware Stores
 444130Hardware Stores
 44419Other Building Material Dealers
 444190Other Building Material Dealers
 4442Lawn and Garden Equipment and Supplies Stores
 44421Outdoor Power Equipment Stores
 444210Outdoor Power Equipment Stores
 44422Nursery, Garden Center, and Farm Supply Stores
 444220Nursery, Garden Center, and Farm Supply Stores
 445Food and Beverage Stores
 4451Grocery Stores
 44511Supermarkets and Other Grocery (except
 Convenience) Stores
 445110Supermarkets and Other Grocery (except
 Convenience) Stores
 44512Convenience Stores
 445120Convenience Stores
 4452Specialty Food Stores
 44521Meat Markets
 445210Meat Markets
 44522Fish and Seafood Markets
 445220Fish and Seafood Markets
 44523Fruit and Vegetable Markets
 445230Fruit and Vegetable Markets
 44529Other Specialty Food Stores
 445291Baked Goods Stores
 445292Confectionery and Nut Stores
 445299All Other Specialty Food Stores
 4453Beer, Wine, and Liquor Stores
 44531Beer, Wine, and Liquor Stores
 445310Beer, Wine, and Liquor Stores
 446Health and Personal Care Stores
 4461Health and Personal Care Stores
 44611Pharmacies and Drug Stores
 446110Pharmacies and Drug Stores
 44612Cosmetics, Beauty Supplies, and Perfume Stores
 446120Cosmetics, Beauty Supplies, and Perfume Stores
 44613Optical Goods Stores
 446130Optical Goods Stores
 44619Other Health and Personal Care Stores
 446191Food (Health) Supplement Stores
 446199All Other Health and Personal Care Stores
 447Gasoline Stations
 4471Gasoline Stations
 44711Gasoline Stations with Convenience Stores
 447110Gasoline Stations with Convenience Stores
 44719Other Gasoline Stations
 447190Other Gasoline Stations
 448Clothing and Clothing Accessories Stores
 4481Clothing Stores
 44811Men's Clothing Stores
 448110Men's Clothing Stores
 44812Women's Clothing Stores

448120Women's Clothing Stores
 44813Children's and Infants' Clothing Stores
 448130Children's and Infants' Clothing Stores
 44814Family Clothing Stores
 448140Family Clothing Stores
 44815Clothing Accessories Stores
 448150Clothing Accessories Stores
 44819Other Clothing Stores
 448190Other Clothing Stores
 4482Shoe Stores
 44821Shoe Stores
 448210Shoe Stores
 4483Jewelry, Luggage, and Leather Goods Stores
 44831Jewelry Stores
 448310Jewelry Stores
 44832Luggage and Leather Goods Stores
 448320Luggage and Leather Goods Stores
 451Sporting Goods, Hobby, Book, and Music Stores
 4511Sporting Goods, Hobby, and Musical Instrument Stores
 45111Sporting Goods Stores
 451110Sporting Goods Stores
 45112Hobby, Toy, and Game Stores
 451120Hobby, Toy, and Game Stores
 45113Sewing, Needlework, and Piece Goods Stores
 451130Sewing, Needlework, and Piece Goods Stores
 45114Musical Instrument and Supplies Stores
 451140Musical Instrument and Supplies Stores
 4512Book, Periodical, and Music Stores
 45121Book Stores and News Dealers
 451211Book Stores
 451212News Dealers and Newsstands
 45122Prerecorded Tape, Compact Disc, and Record Stores
 451220Prerecorded Tape, Compact Disc, and Record Stores
 452General Merchandise Stores
 4521Department Stores
 45211Department Stores
 452111Department Stores (except Discount Department
 Stores)
 452112Discount Department Stores
 4529Other General Merchandise Stores
 45291Warehouse Clubs and Supercenters
 452910Warehouse Clubs and Supercenters
 45299All Other General Merchandise Stores
 452990All Other General Merchandise Stores
 453Miscellaneous Store Retailers
 4531Florists
 45311Florists
 453110Florists
 4532Office Supplies, Stationery, and Gift Stores
 45321Office Supplies and Stationery Stores
 453210Office Supplies and Stationery Stores
 45322Gift, Novelty, and Souvenir Stores
 453220Gift, Novelty, and Souvenir Stores
 4533Used Merchandise Stores
 45331Used Merchandise Stores
 453310Used Merchandise Stores
 4539Other Miscellaneous Store Retailers
 45391Pet and Pet Supplies Stores
 453910Pet and Pet Supplies Stores
 45392Art Dealers
 453920Art Dealers
 45393Manufactured (Mobile) Home Dealers
 453930Manufactured (Mobile) Home Dealers
 45399All Other Miscellaneous Store Retailers

- 453991Tobacco Stores
- 453998All Other Miscellaneous Store Retailers (except Tobacco Stores)
 - 454Nonstore Retailers
 - 4541Electronic Shopping and Mail-Order Houses
 - 45411Electronic Shopping and Mail-Order Houses
 - 454111Electronic Shopping
 - 454112Electronic Auctions
 - 454113Mail-Order Houses
 - 4542Vending Machine Operators
 - 45421Vending Machine Operators
 - 454210Vending Machine Operators
 - 4543Direct Selling Establishments
 - 45431Fuel Dealers
 - 454311Heating Oil Dealers
 - 454312Liquefied Petroleum Gas (Bottled Gas) Dealers
 - 454319Other Fuel Dealers
 - 45439Other Direct Selling Establishments
 - 454390Other Direct Selling Establishments
- 48-49 Transportation and Warehousing
 - 481Air Transportation
 - 4811Scheduled Air Transportation
 - 48111Scheduled Air Transportation
 - 481111Scheduled Passenger Air Transportation
 - 481112Scheduled Freight Air Transportation
 - 4812Nonscheduled Air Transportation
 - 48121Nonscheduled Air Transportation
 - 481211Nonscheduled Chartered Passenger Air Transportation
 - 481212Nonscheduled Chartered Freight Air Transportation
 - 481219Other Nonscheduled Air Transportation
 - 482Rail Transportation
 - 4821Rail Transportation
 - 48211Rail Transportation
 - 482111Line-Haul Railroads
 - 482112Short Line Railroads
 - 483Water Transportation
 - 4831Deep Sea, Coastal, and Great Lakes Water Transportation
 - 48311Deep Sea, Coastal, and Great Lakes Water Transportation
 - 483111Deep Sea Freight Transportation
 - 483112Deep Sea Passenger Transportation
 - 483113Coastal and Great Lakes Freight Transportation
 - 483114Coastal and Great Lakes Passenger Transportation
 - 4832Inland Water Transportation
 - 48321Inland Water Transportation
 - 483211Inland Water Freight Transportation
 - 483212Inland Water Passenger Transportation
 - 484Truck Transportation
 - 4841General Freight Trucking
 - 48411General Freight Trucking, Local
 - 484110General Freight Trucking, Local
 - 48412General Freight Trucking, Long-Distance
 - 484121General Freight Trucking, Long-Distance, Truckload
 - 484122General Freight Trucking, Long-Distance, Less Than Truckload
 - 4842Specialized Freight Trucking
 - 48421Used Household and Office Goods Moving
 - 484210Used Household and Office Goods Moving
 - 48422Specialized Freight (except Used Goods) Trucking, Local
 - 484220Specialized Freight (except Used Goods) Trucking, Local

48423 Specialized Freight (except Used Goods) Trucking,
 Long-Distance
 484230 Specialized Freight (except Used Goods) Trucking,
 Long-Distance
 485 Transit and Ground Passenger Transportation
 4851 Urban Transit Systems
 48511 Urban Transit Systems
 485111 Mixed Mode Transit Systems
 485112 Commuter Rail Systems
 485113 Bus and Other Motor Vehicle Transit Systems
 485119 Other Urban Transit Systems
 4852 Interurban and Rural Bus Transportation
 48521 Interurban and Rural Bus Transportation
 485210 Interurban and Rural Bus Transportation
 4853 Taxi and Limousine Service
 48531 Taxi Service
 485310 Taxi Service
 48532 Limousine Service
 485320 Limousine Service
 4854 School and Employee Bus Transportation
 48541 School and Employee Bus Transportation
 485410 School and Employee Bus Transportation
 4855 Charter Bus Industry
 48551 Charter Bus Industry
 485510 Charter Bus Industry
 4859 Other Transit and Ground Passenger Transportation
 48599 Other Transit and Ground Passenger Transportation
 485991 Special Needs Transportation
 485999 All Other Transit and Ground Passenger Transportation
 486 Pipeline Transportation
 4861 Pipeline Transportation of Crude Oil
 48611 Pipeline Transportation of Crude Oil
 486110 Pipeline Transportation of Crude Oil
 4862 Pipeline Transportation of Natural Gas
 48621 Pipeline Transportation of Natural Gas
 486210 Pipeline Transportation of Natural Gas
 4869 Other Pipeline Transportation
 48691 Pipeline Transportation of Refined Petroleum Products
 486910 Pipeline Transportation of Refined Petroleum Products
 48699 All Other Pipeline Transportation
 486990 All Other Pipeline Transportation
 487 Scenic and Sightseeing Transportation
 4871 Scenic and Sightseeing Transportation, Land
 48711 Scenic and Sightseeing Transportation, Land
 487110 Scenic and Sightseeing Transportation, Land
 4872 Scenic and Sightseeing Transportation, Water
 48721 Scenic and Sightseeing Transportation, Water
 487210 Scenic and Sightseeing Transportation, Water
 4879 Scenic and Sightseeing Transportation, Other
 48799 Scenic and Sightseeing Transportation, Other
 487990 Scenic and Sightseeing Transportation, Other
 488 Support Activities for Transportation
 4881 Support Activities for Air Transportation
 48811 Airport Operations
 488111 Air Traffic Control
 488119 Other Airport Operations
 48819 Other Support Activities for Air Transportation
 488190 Other Support Activities for Air Transportation
 4882 Support Activities for Rail Transportation
 48821 Support Activities for Rail Transportation
 488210 Support Activities for Rail Transportation
 4883 Support Activities for Water Transportation
 48831 Port and Harbor Operations
 488310 Port and Harbor Operations

48832Marine Cargo Handling
488320Marine Cargo Handling
48833Navigational Services to Shipping
488330Navigational Services to Shipping
48839Other Support Activities for Water Transportation
488390Other Support Activities for Water Transportation
4884Support Activities for Road Transportation
48841Motor Vehicle Towing
488410Motor Vehicle Towing
48849Other Support Activities for Road Transportation
488490Other Support Activities for Road Transportation
4885Freight Transportation Arrangement
48851Freight Transportation Arrangement
488510Freight Transportation Arrangement
4889Other Support Activities for Transportation
48899Other Support Activities for Transportation
488991Packing and Crating
488999All Other Support Activities for Transportation
491Postal Service
4911Postal Service
49111Postal Service
491110Postal Service
492Couriers and Messengers
4921Couriers
49211Couriers
492110Couriers
4922Local Messengers and Local Delivery
49221Local Messengers and Local Delivery
492210Local Messengers and Local Delivery
493Warehousing and Storage
4931Warehousing and Storage
49311General Warehousing and Storage
493110General Warehousing and Storage
49312Refrigerated Warehousing and Storage
493120Refrigerated Warehousing and Storage
49313Farm Product Warehousing and Storage
493130Farm Product Warehousing and Storage
49319Other Warehousing and Storage
493190Other Warehousing and Storage
51Information
511Publishing Industries (except Internet)
5111Newspaper, Periodical, Book, and Directory Publishers
51111Newspaper Publishers
511110Newspaper Publishers
51112Periodical Publishers
511120Periodical Publishers
51113Book Publishers
511130Book Publishers
51114Directory and Mailing List Publishers
511140Directory and Mailing List Publishers
51119Other Publishers
511191Greeting Card Publishers
511199All Other Publishers
5112Software Publishers
51121Software Publishers
511210Software Publishers
512Motion Picture and Sound Recording Industries
5121Motion Picture and Video Industries
51211Motion Picture and Video Production
512110Motion Picture and Video Production
51212Motion Picture and Video Distribution
512120Motion Picture and Video Distribution
51213Motion Picture and Video Exhibition
512131Motion Picture Theaters (except Drive-Ins)

512132Drive-In Motion Picture Theaters
 51219Postproduction Services and Other Motion Picture and
 Video Industries
 512191Teleproduction and Other Postproduction Services
 512199Other Motion Picture and Video Industries
 5122Sound Recording Industries
 51221Record Production
 512210Record Production
 51222Integrated Record Production/Distribution
 512220Integrated Record Production/Distribution
 51223Music Publishers
 512230Music Publishers
 51224Sound Recording Studios
 512240Sound Recording Studios
 51229Other Sound Recording Industries
 512290Other Sound Recording Industries
 515Broadcasting (except Internet)
 5151Radio and Television Broadcasting
 51511Radio Broadcasting
 515111Radio Networks
 515112Radio Stations
 51512Television Broadcasting
 515120Television Broadcasting
 5152Cable and Other Subscription Programming
 51521Cable and Other Subscription Programming
 515210Cable and Other Subscription Programming
 516Internet Publishing and Broadcasting
 5161Internet Publishing and Broadcasting
 51611Internet Publishing and Broadcasting
 516110Internet Publishing and Broadcasting
 517Telecommunications
 5171Wired Telecommunications Carriers
 51711Wired Telecommunications Carriers
 517110Wired Telecommunications Carriers
 5172Wireless Telecommunications Carriers (except
 Satellite)
 51721Wireless Telecommunications Carriers (except
 Satellite)
 517211Paging
 517212Cellular and Other Wireless Telecommunications
 5173Telecommunications Resellers
 51731Telecommunications Resellers
 517310Telecommunications Resellers
 5174Satellite Telecommunications
 51741Satellite Telecommunications
 517410Satellite Telecommunications
 5175Cable and Other Program Distribution
 51751Cable and Other Program Distribution
 517510Cable and Other Program Distribution
 5179Other Telecommunications
 51791Other Telecommunications
 517910Other Telecommunications
 518Internet Service Providers, Web Search Portals, and
 Data Processing Services
 5181Internet Service Providers and Web Search Portals
 51811Internet Service Providers and Web Search Portals
 518111Internet Service Providers
 518112Web Search Portals
 5182Data Processing, Hosting, and Related Services
 51821Data Processing, Hosting, and Related Services
 518210Data Processing, Hosting, and Related Services
 519Other Information Services
 5191Other Information Services
 51911News Syndicates

519110News Syndicates
 51912Libraries and Archives
 519120Libraries and Archives
 51919All Other Information Services
 519190All Other Information Services
 52Finance and Insurance
 521Monetary Authorities - Central Bank
 5211Monetary Authorities - Central Bank
 52111Monetary Authorities - Central Bank
 521110Monetary Authorities - Central Bank
 522Credit Intermediation and Related Activities
 5221Depository Credit Intermediation
 52211Commercial Banking
 522110Commercial Banking
 52212Savings Institutions
 522120Savings Institutions
 52213Credit Unions
 522130Credit Unions
 52219Other Depository Credit Intermediation
 522190Other Depository Credit Intermediation
 5222Nondepository Credit Intermediation
 52221Credit Card Issuing
 522210Credit Card Issuing
 52222Sales Financing
 522220Sales Financing
 52229Other Nondepository Credit Intermediation
 522291Consumer Lending
 522292Real Estate Credit
 522293International Trade Financing
 522294Secondary Market Financing
 522298All Other Nondepository Credit Intermediation
 5223Activities Related to Credit Intermediation
 52231Mortgage and Nonmortgage Loan Brokers
 522310Mortgage and Nonmortgage Loan Brokers
 52232Financial Transactions Processing, Reserve, and
 Clearinghouse Activities
 522320Financial Transactions Processing, Reserve, and
 Clearinghouse Activities
 52239Other Activities Related to Credit Intermediation
 522390Other Activities Related to Credit Intermediation
 523Securities, Commodity Contracts, and Other Financial
 Investments and Related Activities
 5231Securities and Commodity Contracts Intermediation
 and Brokerage
 52311Investment Banking and Securities Dealing
 523110Investment Banking and Securities Dealing
 52312Securities Brokerage
 523120Securities Brokerage
 52313Commodity Contracts Dealing
 523130Commodity Contracts Dealing
 52314Commodity Contracts Brokerage
 523140Commodity Contracts Brokerage
 5232Securities and Commodity Exchanges
 52321Securities and Commodity Exchanges
 523210Securities and Commodity Exchanges
 5239Other Financial Investment Activities
 52391Miscellaneous Intermediation
 523910Miscellaneous Intermediation
 52392Portfolio Management
 523920Portfolio Management
 52393Investment Advice
 523930Investment Advice
 52399All Other Financial Investment Activities
 523991Trust, Fiduciary, and Custody Activities

523999Miscellaneous Financial Investment Activities
 524Insurance Carriers and Related Activities
 5241Insurance Carriers
 52411Direct Life, Health, and Medical Insurance Carriers
 524113Direct Life Insurance Carriers
 524114Direct Health and Medical Insurance Carriers
 52412Direct Insurance (except Life, Health, and Medical)
 Carriers
 524126Direct Property and Casualty Insurance Carriers
 524127Direct Title Insurance Carriers
 524128Other Direct Insurance (except Life, Health, and
 Medical) Carriers
 52413Reinsurance Carriers
 524130Reinsurance Carriers
 5242Agencies, Brokerages, and Other Insurance Related
 Activities
 52421Insurance Agencies and Brokerages
 524210Insurance Agencies and Brokerages
 52429Other Insurance Related Activities
 524291Claims Adjusting
 524292Third Party Administration of Insurance and Pension
 Funds
 524298All Other Insurance Related Activities
 525Funds, Trusts, and Other Financial Vehicles
 5251Insurance and Employee Benefit Funds
 52511Pension Funds
 525110Pension Funds
 52512Health and Welfare Funds
 525120Health and Welfare Funds
 52519Other Insurance Funds
 525190Other Insurance Funds
 5259Other Investment Pools and Funds
 52591Open-End Investment Funds
 525910Open-End Investment Funds
 52592Trusts, Estates, and Agency Accounts
 525920Trusts, Estates, and Agency Accounts
 52593Real Estate Investment Trusts
 525930Real Estate Investment Trusts
 52599Other Financial Vehicles
 525990Other Financial Vehicles
 53Real Estate and Rental and Leasing
 531Real Estate
 5311Lessors of Real Estate
 53111Lessors of Residential Buildings and Dwellings
 531110Lessors of Residential Buildings and Dwellings
 53112Lessors of Nonresidential Buildings (except
 Miniwarehouses)
 531120Lessors of Nonresidential Buildings (except
 Miniwarehouses)
 53113Lessors of Miniwarehouses and Self-Storage Units
 531130Lessors of Miniwarehouses and Self-Storage Units
 53119Lessors of Other Real Estate Property
 531190Lessors of Other Real Estate Property
 5312Offices of Real Estate Agents and Brokers
 53121Offices of Real Estate Agents and Brokers
 531210Offices of Real Estate Agents and Brokers
 5313Activities Related to Real Estate
 53131Real Estate Property Managers
 531311Residential Property Managers
 531312Nonresidential Property Managers
 53132Offices of Real Estate Appraisers
 531320Offices of Real Estate Appraisers
 53139Other Activities Related to Real Estate
 531390Other Activities Related to Real Estate

532Rental and Leasing Services
5321Automotive Equipment Rental and Leasing
53211Passenger Car Rental and Leasing
532111Passenger Car Rental
532112Passenger Car Leasing
53212Truck, Utility Trailer, and RV (Recreational Vehicle)
Rental and Leasing
532120Truck, Utility Trailer, and RV (Recreational Vehicle)
Rental and Leasing
5322Consumer Goods Rental
53221Consumer Electronics and Appliances Rental
532210Consumer Electronics and Appliances Rental
53222Formal Wear and Costume Rental
532220Formal Wear and Costume Rental
53223Video Tape and Disc Rental
532230Video Tape and Disc Rental
53229Other Consumer Goods Rental
532291Home Health Equipment Rental
532292Recreational Goods Rental
532299All Other Consumer Goods Rental
5323General Rental Centers
53231General Rental Centers
532310General Rental Centers
5324Commercial and Industrial Machinery and Equipment
Rental and Leasing
53241Construction, Transportation, Mining, and Forestry
Machinery and Equipment Rental and Leasing
532411Commercial Air, Rail, and Water Transportation
Equipment Rental and Leasing
532412Construction, Mining, and Forestry Machinery and
Equipment Rental and Leasing
53242Office Machinery and Equipment Rental and Leasing
532420Office Machinery and Equipment Rental and Leasing
53249Other Commercial and Industrial Machinery and
Equipment Rental and Leasing
532490Other Commercial and Industrial Machinery and
Equipment Rental and Leasing
533Lessors of Nonfinancial Intangible Assets (except
Copyrighted Works)
5331Lessors of Nonfinancial Intangible Assets (except
Copyrighted Works)
53311Lessors of Nonfinancial Intangible Assets (except
Copyrighted Works)
533110Lessors of Nonfinancial Intangible Assets (except
Copyrighted Works)
54Professional, Scientific, and Technical Services
541Professional, Scientific, and Technical Services
5411Legal Services
54111Offices of Lawyers
541110Offices of Lawyers
54112Offices of Notaries
541120Offices of Notaries
54119Other Legal Services
541191Title Abstract and Settlement Offices
541199All Other Legal Services
5412Accounting, Tax Preparation, Bookkeeping, and
Payroll Services
54121Accounting, Tax Preparation, Bookkeeping, and
Payroll Services
541211Offices of Certified Public Accountants
541213Tax Preparation Services
541214Payroll Services
541219Other Accounting Services

541840Media Representatives
 54185Display Advertising
 541850Display Advertising
 54186Direct Mail Advertising
 541860Direct Mail Advertising
 54187Advertising Material Distribution Services
 541870Advertising Material Distribution Services
 54189Other Services Related to Advertising
 541890Other Services Related to Advertising
 54190Other Professional, Scientific, and Technical Services
 54191Marketing Research and Public Opinion Polling
 541910Marketing Research and Public Opinion Polling
 54192Photographic Services
 541921Photography Studios, Portrait
 541922Commercial Photography
 54193Translation and Interpretation Services
 541930Translation and Interpretation Services
 54194Veterinary Services
 541940Veterinary Services
 54199All Other Professional, Scientific, and Technical
 Services
 541990All Other Professional, Scientific, and Technical
 Services
 55Management of Companies and Enterprises
 551Management of Companies and Enterprises
 5511Management of Companies and Enterprises
 55111Management of Companies and Enterprises
 551111Offices of Bank Holding Companies
 551112Offices of Other Holding Companies
 551114Corporate, Subsidiary, and Regional Managing Offices
 56Administrative and Support and Waste Management
 and Remediation Services
 561Administrative and Support Services
 5611Office Administrative Services
 56111Office Administrative Services
 561110Office Administrative Services
 5612Facilities Support Services
 56121Facilities Support Services
 561210Facilities Support Services
 5613Employment Services
 56131Employment Placement Agencies
 561310Employment Placement Agencies
 56132Temporary Help Services
 561320Temporary Help Services
 56133Professional Employer Organizations
 561330Professional Employer Organizations
 5614Business Support Services
 56141Document Preparation Services
 561410Document Preparation Services
 56142Telephone Call Centers
 561421Telephone Answering Services
 561422Telemarketing Bureaus
 56143Business Service Centers
 561431Private Mail Centers
 561439Other Business Service Centers (including Copy
 Shops)
 56144Collection Agencies
 561440Collection Agencies
 56145Credit Bureaus
 561450Credit Bureaus
 56149Other Business Support Services
 561491Repossession Services
 561492Court Reporting and Stenotype Services
 561499All Other Business Support Services

- 5615Travel Arrangement and Reservation Services
 - 56151Travel Agencies
 - 561510Travel Agencies
 - 56152Tour Operators
 - 561520Tour Operators
 - 56159Other Travel Arrangement and Reservation Services
 - 561591Convention and Visitors Bureaus
 - 561599All Other Travel Arrangement and Reservation Services
 - 5616Investigation and Security Services
 - 56161Investigation, Guard, and Armored Car Services
 - 561611Investigation Services
 - 561612Security Guards and Patrol Services
 - 561613Armored Car Services
 - 56162Security Systems Services
 - 561621Security Systems Services (except Locksmiths)
 - 561622Locksmiths
 - 5617Services to Buildings and Dwellings
 - 56171Exterminating and Pest Control Services
 - 561710Exterminating and Pest Control Services
 - 56172Janitorial Services
 - 561720Janitorial Services
 - 56173Landscaping Services
 - 561730Landscaping Services
 - 56174Carpet and Upholstery Cleaning Services
 - 561740Carpet and Upholstery Cleaning Services
 - 56179Other Services to Buildings and Dwellings
 - 561790Other Services to Buildings and Dwellings
 - 5619Other Support Services
 - 56191Packaging and Labeling Services
 - 561910Packaging and Labeling Services
 - 56192Convention and Trade Show Organizers
 - 561920Convention and Trade Show Organizers
 - 56199All Other Support Services
 - 561990All Other Support Services
 - 562Waste Management and Remediation Services
 - 5621Waste Collection
 - 56211Waste Collection
 - 562111Solid Waste Collection
 - 562112Hazardous Waste Collection
 - 562119Other Waste Collection
 - 5622Waste Treatment and Disposal
 - 56221Waste Treatment and Disposal
 - 562211Hazardous Waste Treatment and Disposal
 - 562212Solid Waste Landfill
 - 562213Solid Waste Combustors and Incinerators
 - 562219Other Nonhazardous Waste Treatment and Disposal
 - 5629Remediation and Other Waste Management Services
 - 56291Remediation Services
 - 562910Remediation Services
 - 56292Materials Recovery Facilities
 - 562920Materials Recovery Facilities
 - 56299All Other Waste Management Services
 - 562991Septic Tank and Related Services
 - 562998All Other Miscellaneous Waste Management Services
 - 61Educational Services
 - 611Educational Services
 - 6111Elementary and Secondary Schools
 - 61111Elementary and Secondary Schools
 - 611110Elementary and Secondary Schools
 - 6112Junior Colleges
 - 61121Junior Colleges
 - 611210Junior Colleges
 - 6113Colleges, Universities, and Professional Schools
 - 61131Colleges, Universities, and Professional Schools

611310Colleges, Universities, and Professional Schools
6114Business Schools and Computer and Management Training
61141Business and Secretarial Schools
611410Business and Secretarial Schools
61142Computer Training
611420Computer Training
61143Professional and Management Development Training
611430Professional and Management Development Training
6115Technical and Trade Schools
61151Technical and Trade Schools
611511Cosmetology and Barber Schools
611512Flight Training
611513Apprenticeship Training
611519Other Technical and Trade Schools
6116Other Schools and Instruction
61161Fine Arts Schools
611610Fine Arts Schools
61162Sports and Recreation Instruction
611620Sports and Recreation Instruction
61163Language Schools
611630Language Schools
61169All Other Schools and Instruction
611691Exam Preparation and Tutoring
611692Automobile Driving Schools
611699All Other Miscellaneous Schools and Instruction
6117Educational Support Services
61171Educational Support Services
611710Educational Support Services
62Health Care and Social Assistance
621Ambulatory Health Care Services
6211Offices of Physicians
62111Offices of Physicians
621111Offices of Physicians (except Mental Health Specialists)
621112Offices of Physicians, Mental Health Specialists
6212Offices of Dentists
62121Offices of Dentists
621210Offices of Dentists
6213Offices of Other Health Practitioners
62131Offices of Chiropractors
621310Offices of Chiropractors
62132Offices of Optometrists
621320Offices of Optometrists
62133Offices of Mental Health Practitioners (except Physicians)
621330Offices of Mental Health Practitioners (except Physicians)
62134Offices of Physical, Occupational and Speech Therapists, and Audiologists
621340Offices of Physical, Occupational and Speech Therapists, and Audiologists
62139Offices of All Other Health Practitioners
621391Offices of Podiatrists
621399Offices of All Other Miscellaneous Health Practitioners
6214Outpatient Care Centers
62141Family Planning Centers
621410Family Planning Centers
62142Outpatient Mental Health and Substance Abuse Centers
621420Outpatient Mental Health and Substance Abuse Centers
62149Other Outpatient Care Centers
621491HMO Medical Centers

621492Kidney Dialysis Centers
 621493Freestanding Ambulatory Surgical and Emergency
 Centers
 621498All Other Outpatient Care Centers
 6215Medical and Diagnostic Laboratories
 62151Medical and Diagnostic Laboratories
 621511Medical Laboratories
 621512Diagnostic Imaging Centers
 6216Home Health Care Services
 62161Home Health Care Services
 621610Home Health Care Services
 6219Other Ambulatory Health Care Services
 62191Ambulance Services
 621910Ambulance Services
 62199All Other Ambulatory Health Care Services
 621991Blood and Organ Banks
 621999All Other Miscellaneous Ambulatory Health Care
 Services
 622Hospitals
 6221General Medical and Surgical Hospitals
 62211General Medical and Surgical Hospitals
 622110General Medical and Surgical Hospitals
 6222Psychiatric and Substance Abuse Hospitals
 62221Psychiatric and Substance Abuse Hospitals
 622210Psychiatric and Substance Abuse Hospitals
 6223Specialty (except Psychiatric and Substance Abuse)
 Hospitals
 62231Specialty (except Psychiatric and Substance Abuse)
 Hospitals
 622310Specialty (except Psychiatric and Substance Abuse)
 Hospitals
 623Nursing and Residential Care Facilities
 6231Nursing Care Facilities
 62311Nursing Care Facilities
 623110Nursing Care Facilities
 6232Residential Mental Retardation, Mental Health and
 Substance Abuse Facilities
 62321Residential Mental Retardation Facilities
 623210Residential Mental Retardation Facilities
 62322Residential Mental Health and Substance Abuse
 Facilities
 623220Residential Mental Health and Substance Abuse
 Facilities
 6233Community Care Facilities for the Elderly
 62331Community Care Facilities for the Elderly
 623311Continuing Care Retirement Communities
 623312Homes for the Elderly
 6239Other Residential Care Facilities
 62399Other Residential Care Facilities
 623990Other Residential Care Facilities
 624Social Assistance
 6241Individual and Family Services
 62411Child and Youth Services
 624110Child and Youth Services
 62412Services for the Elderly and Persons with Disabilities
 624120Services for the Elderly and Persons with Disabilities
 62419Other Individual and Family Services
 624190Other Individual and Family Services
 6242Community Food and Housing, and Emergency and
 Other Relief Services
 62421Community Food Services
 624210Community Food Services
 62422Community Housing Services
 624221Temporary Shelters

624229Other Community Housing Services
 62423Emergency and Other Relief Services
 624230Emergency and Other Relief Services
 6243Vocational Rehabilitation Services
 62431Vocational Rehabilitation Services
 624310Vocational Rehabilitation Services
 6244Child Day Care Services
 62441Child Day Care Services
 624410Child Day Care Services
 71Arts, Entertainment, and Recreation
 711Performing Arts, Spectator Sports, and Related Industries
 7111Performing Arts Companies
 71111Theater Companies and Dinner Theaters
 711110Theater Companies and Dinner Theaters
 71112Dance Companies
 711120Dance Companies
 71113Musical Groups and Artists
 711130Musical Groups and Artists
 71119Other Performing Arts Companies
 711190Other Performing Arts Companies
 7112Spectator Sports
 71121Spectator Sports
 711211Sports Teams and Clubs
 711212Racetracks
 711219Other Spectator Sports
 7113Promoters of Performing Arts, Sports, and Similar Events
 71131Promoters of Performing Arts, Sports, and Similar Events with Facilities
 711310Promoters of Performing Arts, Sports, and Similar Events with Facilities
 71132Promoters of Performing Arts, Sports, and Similar Events without Facilities
 711320Promoters of Performing Arts, Sports, and Similar Events without Facilities
 7114Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures
 71141Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures
 711410Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures
 7115Independent Artists, Writers, and Performers
 71151Independent Artists, Writers, and Performers
 711510Independent Artists, Writers, and Performers
 712Museums, Historical Sites, and Similar Institutions
 7121Museums, Historical Sites, and Similar Institutions
 71211Museums
 712110Museums
 71212Historical Sites
 712120Historical Sites
 71213Zoos and Botanical Gardens
 712130Zoos and Botanical Gardens
 71219Nature Parks and Other Similar Institutions
 712190Nature Parks and Other Similar Institutions
 713Amusement, Gambling, and Recreation Industries
 7131Amusement Parks and Arcades
 71311Amusement and Theme Parks
 713110Amusement and Theme Parks
 71312Amusement Arcades
 713120Amusement Arcades
 7132Gambling Industries
 71321Casinos (except Casino Hotels)
 713210Casinos (except Casino Hotels)

81112Automotive Body, Paint, Interior, and Glass Repair
 811121Automotive Body, Paint, and Interior Repair and
 Maintenance
 811122Automotive Glass Replacement Shops
 81119Other Automotive Repair and Maintenance
 811191Automotive Oil Change and Lubrication Shops
 811192Car Washes
 811198All Other Automotive Repair and Maintenance
 8112Electronic and Precision Equipment Repair and
 Maintenance
 81121Electronic and Precision Equipment Repair and
 Maintenance
 811211Consumer Electronics Repair and Maintenance
 811212Computer and Office Machine Repair and Maintenance
 811213Communication Equipment Repair and Maintenance
 811219Other Electronic and Precision Equipment Repair and
 Maintenance
 8113Commercial and Industrial Machinery and Equipment
 (except Automotive and Electronic) Repair and
 Maintenance
 81131Commercial and Industrial Machinery and Equipment
 (except Automotive and Electronic) Repair and
 Maintenance
 811310Commercial and Industrial Machinery and Equipment
 (except Automotive and Electronic) Repair and
 Maintenance
 8114Personal and Household Goods Repair and
 Maintenance
 81141Home and Garden Equipment and Appliance Repair
 and Maintenance
 811411Home and Garden Equipment Repair and Maintenance
 811412Appliance Repair and Maintenance
 81142Reupholstery and Furniture Repair
 811420Reupholstery and Furniture Repair
 81143Footwear and Leather Goods Repair
 811430Footwear and Leather Goods Repair
 81149Other Personal and Household Goods Repair and
 Maintenance
 811490Other Personal and Household Goods Repair and
 Maintenance
 812Personal and Laundry Services
 8121Personal Care Services
 81211Hair, Nail, and Skin Care Services
 812111Barber Shops
 812112Beauty Salons
 812113Nail Salons
 81219Other Personal Care Services
 812191Diet and Weight Reducing Centers
 812199Other Personal Care Services
 8122Death Care Services
 81221Funeral Homes and Funeral Services
 812210Funeral Homes and Funeral Services
 81222Cemeteries and Crematories
 812220Cemeteries and Crematories
 8123Drycleaning and Laundry Services
 81231Coin-Operated Laundries and Drycleaners
 812310Coin-Operated Laundries and Drycleaners
 81232Drycleaning and Laundry Services (except
 Coin-Operated)
 812320Drycleaning and Laundry Services (except
 Coin-Operated)
 81233Linen and Uniform Supply
 812331Linen Supply

812332Industrial Launderers
 8129Other Personal Services
 81291Pet Care (except Veterinary) Services
 812910Pet Care (except Veterinary) Services
 81292Photofinishing
 812921Photofinishing Laboratories (except One-Hour)
 812922One-Hour Photofinishing
 81293Parking Lots and Garages
 812930Parking Lots and Garages
 81299All Other Personal Services
 812990All Other Personal Services
 813Religious, Grantmaking, Civic, Professional, and
 Similar Organizations
 8131Religious Organizations
 81311Religious Organizations
 813110Religious Organizations
 8132Grantmaking and Giving Services
 81321Grantmaking and Giving Services
 813211Grantmaking Foundations
 813212Voluntary Health Organizations
 813219Other Grantmaking and Giving Services
 8133Social Advocacy Organizations
 81331Social Advocacy Organizations
 813311Human Rights Organizations
 813312Environment, Conservation and Wildlife Organizations
 813319Other Social Advocacy Organizations
 8134Civic and Social Organizations
 81341Civic and Social Organizations
 813410Civic and Social Organizations
 8139Business, Professional, Labor, Political, and Similar
 Organizations
 81391Business Associations
 813910Business Associations
 81392Professional Organizations
 813920Professional Organizations
 81393Labor Unions and Similar Labor Organizations
 813930Labor Unions and Similar Labor Organizations
 81394Political Organizations
 813940Political Organizations
 81399Other Similar Organizations (except Business,
 Professional, Labor, and Political Organizations)
 813990Other Similar Organizations (except Business,
 Professional, Labor, and Political Organizations)
 814Private Households
 8141Private Households
 81411Private Households
 814110Private Households
 92Public Administration
 921Executive, Legislative, and Other General Government
 Support
 9211Executive, Legislative, and Other General Government
 Support
 92111Executive Offices
 921110Executive Offices
 92112Legislative Bodies
 921120Legislative Bodies
 92113Public Finance Activities
 921130Public Finance Activities
 92114Executive and Legislative Offices, Combined
 921140Executive and Legislative Offices, Combined
 92115American Indian and Alaska Native Tribal Governments
 921150American Indian and Alaska Native Tribal Governments
 92119Other General Government Support
 921190Other General Government Support

922Justice, Public Order, and Safety Activities
 9221Justice, Public Order, and Safety Activities
 92211Courts
 922110Courts
 92212Police Protection
 922120Police Protection
 92213Legal Counsel and Prosecution
 922130Legal Counsel and Prosecution
 92214Correctional Institutions
 922140Correctional Institutions
 92215Parole Offices and Probation Offices
 922150Parole Offices and Probation Offices
 92216Fire Protection
 922160Fire Protection
 92219Other Justice, Public Order, and Safety Activities
 922190Other Justice, Public Order, and Safety Activities
 923Administration of Human Resource Programs
 9231Administration of Human Resource Programs
 92311Administration of Education Programs
 923110Administration of Education Programs
 92312Administration of Public Health Programs
 923120Administration of Public Health Programs
 92313Administration of Human Resource Programs (except
 Education, Public Health, and Veterans' Affairs
 Programs)
 923130Administration of Human Resource Programs (except
 Education, Public Health, and Veterans' Affairs
 Programs)
 92314Administration of Veterans' Affairs
 923140Administration of Veterans' Affairs
 924Administration of Environmental Quality Programs
 9241Administration of Environmental Quality Programs
 92411Administration of Air and Water Resource and Solid
 Waste Management Programs
 924110Administration of Air and Water Resource and Solid
 Waste Management Programs
 92412Administration of Conservation Programs
 924120Administration of Conservation Programs
 925Administration of Housing Programs, Urban Planning,
 and Community Development
 9251Administration of Housing Programs, Urban Planning,
 and Community Development
 92511Administration of Housing Programs
 925110Administration of Housing Programs
 92512Administration of Urban Planning and Community and
 Rural Development
 925120Administration of Urban Planning and Community and
 Rural Development
 926Administration of Economic Programs
 9261Administration of Economic Programs
 92611Administration of General Economic Programs
 926110Administration of General Economic Programs
 92612Regulation and Administration of Transportation
 Programs
 926120Regulation and Administration of Transportation
 Programs
 92613Regulation and Administration of Communications,
 Electric, Gas, and Other Utilities
 926130Regulation and Administration of Communications,
 Electric, Gas, and Other Utilities
 92614Regulation of Agricultural Marketing and Commodities
 926140Regulation of Agricultural Marketing and Commodities

92615Regulation, Licensing, and Inspection of
Miscellaneous Commercial Sectors
926150Regulation, Licensing, and Inspection of
Miscellaneous Commercial Sectors
927Space Research and Technology
9271Space Research and Technology
92711Space Research and Technology
927110Space Research and Technology
928National Security and International Affairs
9281National Security and International Affairs
92811National Security
928110National Security
92812International Affairs
928120International Affairs

PHIN Domain Information:

Domain Name: Substance

Domain Id:16

Definition (Scope):

Substance domain includes the concepts that are not included in "medications" and "Chemicals" domain. This domain includes water, body substance and dietary substance including food. This domain has not been analyzed in detail, so the recommendations for this domain is still pending.

Date Created:05/09/2005

Date Revised: 05/09/2005

Standard Vocabulary Identification Status: Pending

PHIN Comments: This domain has not been analyzed in detail and the recommendations for this domain is still pending. CHI has discussed some of the sub-domains like Food and Dietary substance under CHI domain "Laboratory Result Contents", but has not provided any recommendation.

CHI related information:

CHI Report hyperlink:

http://www.whitehouse.gov/omb/egov/documents/lrc_and_units_full_public.doc

CHI Comments:

Laboratory Results - Non-Human Content:

Coverage is weak and will need through review and expansion with topic experts. It is recommended that the government partner with the American Veterinary Association to more fully support the animal portion of SNOMED® and find suitable partners for the plant and food portions. Actual food product codes are outside the scope of a terminology and will require agreement between FDA and USDA.

Additional non-human content that was not explored by the workgroup but it is important include environmental samples such as air, soil and water, storage containers, manufacturing sites, etc. While many of these types of sample are not generally involved in health information, it is to the government's benefit for common terminology to exist so that when potential health impacts occur semantic understanding is achieved. It is recommended that and interagency taskforce be formed from DoD, HHS, and EPA at a minimum to make better recommendations in this important area.

PHIN Recommended Coding System Information:

Code System Name:

Analyzing the following code systems:

Water: USGS / EPA

Body Substance: SNOMED CT

Dietary Substance: FDA/USDA

Code System Version: n/a

Code System Reference : n/a

Code System Hyperlink: n/a

Enumeration:

Water

Body Substance

 Body Fluid

Dietary Substance

Food

PHIN Domain Name: Water

PHIN Domain Identifier: 387

Suggested Vocabulary Source Name: USGS (U.S. Geological Survey)

Suggested Vocabulary Source Pointer Id:

URL To Vocabulary Source Pointer: <http://water.usgs.gov/> ; <http://water.usgs.gov/connections.html>

PHIN Domain Description: List of concepts related to water (eg. Types of water). Note: "Water analysis" sub-domain is present under "Laboratory Procedure"

Suggested Vocabulary Domain Enumeration:

Water Information By Topic

- * Ground Water
- * Surface Water
- * Water Quality
- * Water Use
- * Software
- * National Research Program
- * Water Resources Memorandums
- * USGS Water Programs

Water Resources Programs

- * Cooperative Water Program
- * National Streamflow Information Program
- * National Water Quality Assessment Program
- * Toxic Substances Hydrology (Toxics) Program
- * Ground Water Resources Program
- * Hydrologic Research and Development
- * State Water Resources Research Institute Program
- * International Water Projects
- * Water Information Coordination Program

PHIN Domain Name: Body Substance

PHIN Domain Identifier: 388

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 91720002

URL To Vocabulary Source Pointer:

http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=T-D0080&bookmarktag=2

PHIN Domain Description: List of concepts related to Body substance (eg. Body Fluids, Body Secretions)

Suggested Vocabulary Domain Enumeration:

- Amyloid fibers (substance)
- Body fluid (substance)
- Body secretion (substance)
- Breath (substance)
- Extracellular material (substance)
- Fat (substance)
- Fetal and embryonic material (substance)
- Fibril (substance)
- Gastrointestinal contents (substance)
- Intracellular substance (substance)
- Musk (substance)
- Nasal contents (substance)
- Nervous system hormone-like substance (substance)
- Pharyngeal contents (substance)
- Regurgitated food (substance)
- Sinus contents (substance)
- Smegma (substance)

PHIN Domain Name: Body Fluid

PHIN Domain Identifier: 487

Suggested Vocabulary Source Name: SNOMED CT

Suggested Vocabulary Source Pointer Id: 32457005

URL To Vocabulary Source Pointer:

[http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=T-D0070&bookma
rhtag=2](http://nciterns.nci.nih.gov/NCIBrowser/ConceptReport.jsp?dictionary=SNOMED_CT&code=T-D0070&bookma
rhtag=2)

PHIN Domain Description: List of Body Fluids (substances)

Suggested Vocabulary Domain Enumeration:

- Allantoic fluid (substance)
- Amniotic fluid (substance)
- Blood material (substance)
- Body water (substance)
- Cerebrospinal fluid (substance)
- Chorionic fluid (substance)
- Cortilymph (substance)
- Cutaneous fluid (substance)
- Digestive system fluid (substance)
- Discharge - substance (substance)
- Endolymph (substance)
- Extracellular fluid (substance)
- Exudate (substance)
- Female genital fluid (substance)
- Fetal fluids (substance)
- Intracellular fluid (substance)
- Lower respiratory fluids (substance)
- Lymph (substance)
- Male genital fluid (substance)
- Mammary fluid (substance)
- Pericardial fluid (substance)
- Perilymph (substance)
- Peritoneal fluid (substance)
- Placental fluid (substance)
- Pleural fluid (substance)
- Pus (substance)
- Sebum (substance)
- Sputum (substance)
- Sweat (substance)
- Synovial fluid (substance)
- Tears (substance)
- Upper respiratory fluids (substance)
- Urethral secretions (substance)
- Urinary tract fluid (substance)

Pending Recommendation.

SNOMED CT

Drinks (substance)

Food additive (substance)

Foods (substance)

General food and drink types (substance)

Nutrients (substance)

Actual food product codes are outside the scope of a terminology and will require agreement between FDA and USDA.

PHIN Domain Name: Food

PHIN Domain Identifier: 386

Suggested Vocabulary Source Name: FDA / CDC FoodNet / USDA

Suggested Vocabulary Source Pointer Id:

URL To Vocabulary Source Pointer: <http://www.cfsan.fda.gov/list.html> ; <http://www.cdc.gov/foodnet/> ; http://www.usda.gov/wps/portal/!ut/p/_s.7_0_A/7_0_1OB?navtype=SU&navid=FOOD_NUTRITION.

PHIN Domain Description: Food (substance). Refer to Center for Food Safety and Applied Nutrition (U.S. Food and Drug Administration). Eg. Food Ingredients, Color Additives, Food contaminants, etc.. Refer to "FoodNet - Foodborne Diseases Active Surveillance Network" for food borne related diseases and their epidemiology. . Refer to U.S. Dept of Food and Agriculture for "Food and Nutrition" Note: "Food analysis" sub-domain is present under "Laboratory Procedure"

Suggested Vocabulary Domain Enumeration:

US. Dept of Agriculture Topics/ Sub-domains:

Dietary Health

Food Assistance

Food Distribution

Food Labeling and Packaging

Food Quality

Food Recalls

Food Safety

Food Security

Food Technology

FoodNet (CDC) == Food borne illness Epidemiology

Center for Food Safety and Applied Nutrition (U.S. Food and Drug Administration) Programs / sub-domains:

- * Acidified and Low Acid Canned Foods
- * Biotechnology
- * Color Additives
- * Cosmetics
- * Dietary Supplements
- * Food Ingredients and Packaging
- * Foodborne Illness
 - o Bad Bug Book
 - o Microbiological Methods & BAM
- * Food Labeling and Nutrition
- * HACCP Hazard Analysis and Critical Control Point
- * Imports and Exports
- * Infant Formula
- * Inspections, Compliance, Enforcements and Recalls
- * Pesticides and Chemical Contaminants
 - o Total Diet Study
- * Seafood
 - o Regulatory Fish Encyclopedia (Fish Images).

Pending CHI Recommendation

Pending CHI Recommendation

Pending CHI Recommendation

Pending CHI Recommendation