1. System Reference Tables

System Reference Tables are use throughout the model for various purposes. Where possible, the code values have been derived from standard coding systems. The combination of the **identifier** and **name of coding system** (or domain) components will be a unique code for a data item. Examples of standard coding systems include: Diagnostic (e.g., ICD-9), procedure (e.g., CPT-4), observation (e.g., LOINC), etc. Others code values may be added as needed. When an HL7 2.3 table is used, the ***name of coding system*** (or domain) component is defined as ***HL7nnnn*** where ***nnnn*** is the HL7 table number. When an HL7 3 table is used, the ***name of coding system*** (or domain) component is defined as the identified vocabulary domain name. The development of the coding standards will be an on-going effort.

For each reference table, we've indicated the code requirements in the domain column. For each attribute that uses a code domain, we've indicated the code requirements, such as 'Code With Exceptions (CWE)' or 'Code With No Exceptions (CNE)'. For CWE attributes, if the code is not defined in the vocabulary domain, then the textual description is stored with the code. For CNE attributes, the code must be defined within the vocabulary domain.

1.1   Guide to Tables

This section describes how to read the tables in the sections below. The columns in the following sections are described here:

[CODESET]   Value used to identify the specific reference code set

Column	Label	Description
1	Class Name	Identifies the name of the class for which the reference table is required.
2	Attribute Name	Identifies the attribute name for which code values are required
3	Domain/Source	Identifies the HL7 Vocabulary Domain to which the code value belongs; indicates if this code attribute is defined as "CNE" (Coded No Exception) vs. CWE (Coded With Exception); indicates the source of the code values if different from the vocabulary domain
4	Code	Identifies the coded value

Column	Label	Description
5	Print Name	The display text for the specific code
6	Description	Description of the code value
7	Source Terminology	Identifies the vocabulary domain from which values are obtained

Each table is preceded by the value defined (in bold print) for **Codeset.code_set_nm** (primary key).

2. Reference Table Values

2.1 Generic Reference Code Tables

ADD_RSN
Code depicting the reason for adding the record

Class Name	Attribute Name	Domain	Code	Print Name/Description
Act_id	add_reason_cd	NEDSS	Codes to be defined	
Act_relationship	add_reason_cd		Codes to be defined	
Clinical_document	add_reason_cd		Codes to be defined	
Entity_group	add_reason_cd		Codes to be defined	
Entity_id	add_reason_cd		Codes to be defined	
Entity_locator_participation	add_reason_cd		Codes to be defined	
Intervention	add_reason_cd		Codes to be defined	
Material	add_reason_cd		Codes to be defined	
Non_Person_living_subject	add_reason_cd		Codes to be defined	
Notification	add_reason_cd		Codes to be defined	
Observation	add_reason_cd		Codes to be defined	
Observation_value	add_reason_cd		Codes to be defined	
Organization	add_reason_cd		Codes to be defined	
Participation	add_reason_cd		Codes to be defined	
Person	add_reason_cd		Codes to be defined	
Patient_encounter	add_reason_cd		Codes to be defined	
Person_ethnic_group_mod	add_reason_cd		Codes to be defined	
Person_name	add_reason_cd		Codes to be defined	
Person_race_mod	add_reason_cd		Codes to be defined	
Person_race	add_reason_cd		Codes to be defined	
Physical_locator	add_reason_cd		Codes to be defined	
Place	add_reason_cd		Codes to be defined	
Postal_locator	add_reason_cd		Codes to be defined	
Public_health_case	add_reason_cd		Codes to be defined	

Referral	add_reason_cd		Codes to be defined	
Role	add_reason_cd		Codes to be defined	
Tele_locator	add_reason_cd		Codes to be defined	
Workup	add_reason_cd		Codes to be defined	

DUR_UNIT

Code depicting the duration unit of measure

Class Name	Attribute Name	Domain	Code	Print Name/Description
Act_id	duration_unit_cd	HL7 0255	PT	To identify measures at a point in time. This is a synonym for "spot" or "random" as applied to urine measurements.
Act_relationship	duration_unit_cd	HL7 0255	* (star)	Life of the "unit." Used for blood products.
Clinical_document	activity_duration_unit_cd	HL7 0255	30M	30 minutes
Clinical_document	effective_duration_unit_cd	HL7 0255	1H	1 hour
Entity_group	duration_unit_cd	HL7 0255	2H	2 hours
Entity_id	duration_unit_cd	HL7 0255	2.5H	2½ hours
Entity_locator_participation	duration_unit_cd	HL7 0255	3H	3 hours
Intervention	activity_duration_unit_cd	HL7 0255	4H	4 hours
Intervention	effective_duration_unit_cd	HL7 0255	5H	5 hours
Material	effective_duration_unit_cd	HL7 0255	6H	6 hours
Notification	activity_duration_unit_cd	HL7 0255	7H	7 hours
Notification	effective_duration_unit_cd	HL7 0255	8H	8 hours
Obs_value_date	duration_unit_cd	HL7 0255	12H	12 hours
Observation	activity_duration_unit_cd	HL7 0255	24H	24 hours
Observation	effective_duration_unit_cd	HL7 0255	2D	2 days
Organization	duration_unit_cd	HL7 0255	3D	3 days
Participation	duration_unit_cd	HL7 0255	4D	4 days
Patient_encounter	effective_duration_unit_cd	HL7 0255	5D	5 days
Patient_encounter	activity_duration_unit_cd	HL7 0255	6D	6 days
Person_name	duration_unit_cd	HL7 0255	1W	1 week
Place	duration_unit_cd	HL7 0255	2W	2 weeks
Public_health_case	activity_duration_unit_cd	HL7 0255	3W	3 weeks
Public_health_case	effective_duration_unit_cd	HL7 0255	4W	4 weeks
Referral	activity_duration_unit_cd	HL7 0255	1L	1 months (30 days)
Referral	effective_duration_unit_cd	HL7 0255	2L	2 months
Role	effective_duration_unit_cd	HL7 0255	3L	2 months

		HL7 0255	PT	To identify measures at a point in time. This is a synonym for "spot" or "random" as applied to urine measurements.
Workup	activity_duration_unit_cd			
Workup	effective_duration_unit_cd			

RSTS
Code depicting the processing status of the record

Class Name	Attribute Name	Domain	Code	**Print Name/Description**
Act_id	record_status_cd	NEDSS	A	Record approved
Act_relationship	record_status_cd	NEDSS	N	Record not approved
Clinical_document	record_status_cd	NEDSS	P	Record pending approval
Entity_id	record_status_cd			
Entity_group	record_status_cd			
Entity_locator_participation	record_status_cd		Add'l coded may be defined	
Intervention	record_status_cd			
Material	record_status_cd			
Non_Person_living_subject	record_status_cd			
Notification	record_status_cd			
Observation	record_status_cd			
Observation_value	record_status_cd			
Organization	record_status_cd			
Participation	record_status_cd			
Patient_encounter	record_status_cd			
Person	record_status_cd			
Person_ethnic_group_mod	record_status_cd			
Person_name	record_status_cd			
Place	record_status_cd			
Person_race_mod	record_status_cd			
Person_race	record_status_cd			
Public_health_case	record_status_cd			
Referral	record_status_cd			
Role	record_status_cd			
Workup	record_status_cd			

E_STS

Code depicting the status of an entity

Class Name	Attribute Name	Domain	Code	**Print Name/Description**
Entity_id	Status_cd	HL7 v3 EntityStatus (CNE)	A	Active - The item has been reviewed and approved and is now valid for use in HL7 standards and messages.
Entity_locator_participation	status_cd	HL7 v3 EntityStatus (CNE)	I	Inactive - A previously active item has been retired from use. The item may exist as previously stored data in a database, but no current or new HL7 standards or messages should use this item. The code for an inactive item will not be reused by HL7.
Material	status_cd	HL7 v3 EntityStatus (CNE)	O	Obsolete - A previously active item that is scheduled to be retired from use, but for practical reasons cannot be immediately inactivated. It is still legal to use an obsolete item in HL7 standards or messages, but those creating new messages should make every effort not to.
Non_Person_living_subject	status_cd	HL7 v3 EntityStatus (CNE)	R	Rejected - The item has been reviewed and rejected. The item is not legal for use in HL7 standards and messages.
Organization	status_cd	USAM	S	Superceded – A previously active item has been merged with another existing active item. Therefore, this record is no longer active.
Entity_group	status_cd			
Person	status_cd		Add'l codes may be defined	
Person_name	status_cd			
Place	status_cd			
Referral	status_cd			

CHG_RSN

Code depicting the reason the record was changed

Class Name	Attribute Name	Domain	Code	Print Name/Description

Class Name	Attribute Name	Domain	Code	Print Name/Description
All history tables ending with ('hist')	chg_reason_cd	NEDSS (CNE)	Codes to be defined	
All tables	Last_chg_reason			

UNIT_CD
Unit of measure codes

Class Name	Attribute Name	Domain	Code	Print Name/Description
Intervention	qty_unit_cd	ISO 2955-83 Unit Codes (CWE)	See Appendix B Unit Codes	
Substance_administration	rate_qty_unit_cd			
Substance_administration	dose_qty_unit_cd			
Obs_value_numeric	numeric_unit_cd			

CONFID_CD
This is a code that limits the disclosure of information about this act

Class Name	Attribute Name	Domain	Code	Print Name/Description
Intervention	confidentiality_cd	HL7 V3 Confidentiality (CWE)	B	Business - Since the service class can represent knowledge structures that may be considered a trade or business secret, there is sometimes (though rarely) the need to flag those items as of business level confidentiality. However, no patient related information may ever be of this confidentiality level.
Notification	confidentiality_cd	HL7 V3 Confidentiality (CWE)	D	Clinician - only clinicians may see this item, billing and administration persons can not access this item without special permission.
Observation	confidentiality_cd	HL7 V3 Confidentiality (CWE)	I	Individual - Access only to individual persons who are mentioned explicitly as actors of this service and whose actor type warrants that access (cf. to actor type code.)
Patient_encounter	confidentiality_cd	HL7 V3 Confidentiality (CWE)	L	Low - No patient record item can be of low confidentiality. However, some service objects are not patient related and therefore may have low confidentiality.
Public_health_case	confidentiality_cd	HL7 V3 Confidentiality (CWE)	N	Normal - Normal confidentiality rules (according to good health care practice) apply, that is, only authorized individuals with a legitimate medical or business need may access this item.
Referral	confidentiality_cd	HL7 V3 Confidentiality (CWE)	R	Restricted - Restricted access, e.g. only to providers having a current care relationship to the patient.
Workup	confidentiality_cd	HL7 V3	V	Very restricted

Class Name	Attribute Name	Domain	Code	Print Name/Description
		Confidentiality (CWE)		
Clinical_document	confidentiality_cd	HL7 V3 Confidentiality (CWE)	ETH	Substance abuse related - Alcohol/drug-abuse related item
		HL7 V3 Confidentiality (CWE)	HIV	HIV related - HIV and AIDS related item
		HL7 V3 Confidentiality (CWE)	PSY	Psychiatry related - Psychiatry related item
		HL7 V3 Confidentiality (CWE)	SDV	Sexual and domestic violence related - Sexual assault / domestic violence related item
		HL7 V3 Confidentiality (CWE)	C	Celebrity - Celebrities are people of public interest (VIP) including employees, whose information require special protection.
		HL7 V3 Confidentiality (CWE)	S	Sensitive - Information for which the patient seeks heightened confidentiality. Sensitive information is not to be shared with family members. Information reported by the patient about family members is sensitive by default. Flag can be set or cleared on patient's request.
		HL7 V3 Confidentiality (CWE)	T	Taboo - Information not to be disclosed or discussed with patient except through physician assigned to patient in this case. This is usually a temporary constraint only, example use is a new fatal diagnosis or finding, such as malignancy or HIV.

DEATH_CD
Code indicating if the living subject is dead or alive

Class Name	Attribute Name	Domain	Code	Print Name/Description
Non_Person_living_subject	deceased_ind_cd	NEDSS (CNE)	Y	Dead
Person	deceased_ind_cd	NEDSS (CNE)	N	Alive
		NEDSS (CNE)	U	Unknown

PRIORITY

Class Name	Attribute Name	Domain	Code	Print Name/Description
Observation	priority_cd		Codes to be defined	
Patient_encounter	priority_cd			

Intervention	priority_cd			

2.2 Specific Reference Code Tables

A_CLS

A code specifying on a high, technical, and tightly controlled level the kind of act.

Class Name	Attribute Name	Domain	Code	Print Name/Description
Act	class_cd	HL7 v3 ActClass (CNE)	OBS	Observation - Actions performed in order to determine an answer or result value.
		NEDSS	WKUP	Workup - The sum of all entity data, case data, and observation reports for an entity. This is the equivalent of a public health patient chart.
		HL7 v3 ActClass (CNE)	CASE	Public health case - An act representing a condition or event that has a special significance for public health
		NEDSS	NOTF	Notification - An interaction with a case worker, person or entity, to report or document a condition or act of importance to the health of the public.
		NEDSS	INTV	Intervention - The administration of a substance or technique to provide care for or to prevent a condition
		HL7 v3 ActClass (CNE)	REFR	Referral - An introduction of a patient from a source care giver to a target care giver or provider institution typically for the purpose of obtaining the target care givers assessment and treatment recommendations.
		HL7 v3 ActClass (CNE)	ENC	Patient Encounter - An interaction between a patient and healthcare participant(s) for the purpose of providing patient service(s) or assessing the health status of a patient.
		HL7 v3 ActClass (CNE)	DOCCLIN	Clinical Document – An activity that is used to manage document services.

A_MOOD

The Activity mood code determines the meaning or context for the activity

Class Name	Attribute Name	Domain	Code	Print Name/Description
Act	mood_cd	HL7 v3 ActMood (CNE)	DEF	Definition; a definition of an act or service
		HL7 v3 ActMood (CNE)	INT	Intent; An intention or plan to perform an act or service

		HL7 v3 ActMood (CNE)	ORD	Order; An order for a service or an act is an intent directed from a requestor to an actor who responds to the order.
		HL7 v3 ActMood (CNE)	EVN	Event (occurrence); An act or service that actually happens, may be an ongoing service or a documentation of a past act or service.
		HL7 v3 ActMood (CNE)	APT	Appointment; A planned act for a specific time & place
		HL7 v3 ActMood (CNE)	ARQ	Appointment request; A request for the booking of an appointment.
		HL7 v3 ActMood (CNE)	PRP	Proposed; A non-mandated intent to perform an act. Used to record intents that are explicitly not Orders.
		HL7 v3 ActMood (CNE)	RMD	Recommended; A non-mandated intent to perform an act where a level of professional responsibility is being accepted by making the proposal.

AI_AUTH
Code that designates the authority that assigned the Act Identifier

Class Name	Attribute Name	Domain	Code	Print Name/Description
Act_id	assigning_authority_cd	NEDSS (CWE)		
			Add'l codes to be defined	

AI_TYPE
Code that designates the type of activity identifier. For example
placer number, filler number, lab reference number.

Class Name	Attribute Name	Domain	Code	Print Name/Description
Act_id	type_cd	NEDSS (CWE)	PN	Placer Number
		NEDSS (CWE)	FN	Filler Number
			Add'l codes to be defined	

AR_TYPE
Determines the meaning of a relationship between two acts. Each of its values implies
specific constraints to what kinds of Act objects can be related and in which way.

Class Name	Attribute Name	Domain	Code	Print Name/Description
Act_relationship	type_cd	HL7 v3 ActRelationship (CNE)		See HL& vocabulary domain for complete list and hierarchy.
		HL7 v3	OUTC	An observation that should follow or does actually follow

		ActRelationship (CNE)		as a result or consequence of a condition or action (sometimes called "post-condition".) Target must be an observation as a goal, risk or any criterion. For complex outcomes a conjunction attribute
		HL7 v3 ActRelationship (CNE)	GOAL	A goal that one defines given a patient's health condition. Subsequently planned actions aim to meet that goal. Source is an observation or condition node, target must be an observation in goal mood.
		HL7 v3 ActRelationship (CNE)	OBJC	A desired state that a service action aims to maintain. E.g., keep systolic blood pressure between 90 and 110 mm Hg. Source is an intervention service. Target must be an observation in criterion mood.
		HL7 v3 ActRelationship (CNE)	OBJF	A desired outcome that a service action aims to meet finally. Source is any service (typically an intervention.) Target must be an observation in criterion mood.
		HL7 v3 ActRelationship (CNE)	RISK	A noteworthy undesired outcome of a patient's condition that is either likely enough to become an issue or is less likely but dangerous enough to be addressed.
		HL7 v3 ActRelationship (CNE)	PERT	This is a very unspecific relationship from one item of clinical information to another. It does not judge about the role the pertinent information plays.
		HL7 v3 ActRelationship (CNE)	AUTH	A relationship in which the target act authorizes or certifies the source act.
		HL7 v3 ActRelationship (CNE)	COVBY	A relationship in which the source act is covered by or is under the authority of a target act. A financial instrument such as an Invoice Element is covered by one or more specific instances of an Insurance Policy.
		HL7 v3 ActRelationship (CNE)	EXPL	This is the inversion of support. Used to indicate that a given observation is explained by another observation or condition.
		HL7 v3 ActRelationship (CNE)	LIMIT	A relationship that limits or restricts the source act by the elements of the target act. For example, an authorization may be limited by a financial amount (up to $500). Target Act must be in EVN.CRIT mood.
			MFST	An assertion that a new observation may be the manifestation of another existing observation or action. This assumption is attributed to the same actor who asserts the manifestation. This is stronger and more specific than an inverted support link. For example, an agitated appearance can be asserted to be the manifestation (effect) of a known hyperthyroxia. This expresses that one might not have realized a symptom if it would not be a common manifestation of a known condition. The target (cause) may be any service, while

					the source (manifestation) must be an observation.
				NAME	Used to assign a "name" to a condition thread. Source is a condition node, target can be any service.
				PREV	A relationship in which the target act is a predecessor instance to the source act. Generally each of these instances is similar, but no identical. In healthcare coverage it is used to link a claim item to a previous claim item that might have claimed for the same set of services.
				REFR	A relationship in which the target act is referred to by the source act. This permits a simple reference relationship that distinguishes between the referent and the referee.
				REFV	Reference ranges are essentially descriptors of a class of result values assumed to be "normal", "abnormal", or "critical." Those can vary by sex, age, or any other criterion. Source and target are observations, the target is in criterion mood. This link type can act as a trigger in case of alarms being triggered by critical results.
				SPRT	Used to indicate that an existing service is suggesting evidence for a new observation. The assumption of support is attributed to the same actor who asserts the observation. Source must be an observation, target may be any service (e.g., to indicate a status post.)
				CHRG	A relationship that provides an ability to associate a financial transaction (target) as a charge to a clinical act (source). A clinical act may have a charge associated with the execution or delivery of the service. The financial transaction will define.
				CREDIT	A credit relationship ties a financial transaction to an account. A credit, once applied (posted), may have either a positive or negative effect on the account balance, depending on the type of account. An asset account credit will decrease the account
				CST	A relationship that provides an ability to associate a financial transaction (target) as a cost to a clinical act (source). A clinical act may have an inherit cost associated with the execution or delivery of the service. The financial transaction will
				DEBIT	A debit relationship ties a financial transaction to an account. A debit, once applied (posted), may have either a positive or negative effect on the account balance, depending on the type of account. An asset account debit will increase the account balance.

CASE_CONF

Code depicting the method in which the case was confirmed

Class Name	Attribute Name	Domain	Code	Print Name/Description
Confirmation_method	confirmation_method_cd	(CWE)	Codes to be defined	

E_CLS

This code indicates, at a high level, what kind of entity is intended.

Class Name	Attribute Name	Domain	Code	Print Name/Description
Entity	class_cd	HL7 v3 EntityClass (CNE)	PSN	Person - A living subject that is an individual human being.
		HL7 v3 EntityClass (CNE)	NLIV	Non-Person_living_subject - An individual living thing, other than a human being, which is sufficiently important in its own right to model as an entity. This can include pets, farm animals, or animals such as rodents, bats or insects that are capable of serving as human disease vectors or reservoirs. Normally microscopic living things such as bacteria, viruses, or parasites are modeled as specimens.
		HL7 v3 EntityClass (CNE)	ORG	Organization - A formalized group of people with a common purpose (e.g. administrative, legal, political) and the infrastructure to carry out that purpose.
		HL7 v3 EntityClass (CNE)	MAT	Material - The elements, constituents, or substances of which something is composed or can be made; matter that has qualities which give it individuality and by which it may be categorized. Can be manufactured or processed products, even if they originate in living matter. Parts (e.g. organs) derived from living subjects are material that may need to be tracked through associations with the individual living subject from which they were obtained.
		HL7 v3 EntityClass (CNE)	PLC	Place - A physical place or site with its contained structures if any. Place may be natural or man-made.
		NEDSS (CNE)	GRP	Entity_group - Comprises multiple entities of whichever type that have been assembled or defined by a set of specific criteria. This includes social groups or units such as families, boy scouts, day-care attendees, and college students. For entities other than person, examples include a herd of cows, a batch of manufactured goods, or an alliance of organizations.

EG_TYPE

Code depicting the type of entity group

Class Name	Attribute Name	Domain	Code	Print Name/Description
Entity_group	cd	HL7 v3 EntityCode (CWE	Codes to be defined	

EI_AUTH
Code that designates the authority that assigned the Entity Identifier

Class Name	Attribute Name	Domain	Code	Print Name/Description
Entity_id	assigning_authority_cd	NEDSS (CWE)	Codes to be defined	US Government
				State of XX (where XX = State abbreviation)

EI_TYPE
Code that designates the type of Entity identifier. For example
account number, SSN number, local ID number.

Class Name	Attribute Name	Domain	Code	Print Name/Description
Entity_id	type_cd	HL7 0203 (CWE)	AN	Account number
		HL7 0203 (CWE)	BR	Birth registry number
		HL7 0203 (CWE)	DL	Driver's license number
		HL7 0203 (CWE)	DN	Doctor number
		HL7 0203 (CWE)	EI	Employee number
		HL7 0203 (CWE)	EN	Employer number
		HL7 0203 (CWE)	FI	Facility ID
		HL7 0203 (CWE)	GI	Guarantor internal identifier
		HL7 0203 (CWE)	GN	Guarantor external identifier
		HL7 0203 (CWE)	LN	License number
		HL7 0203 (CWE)	LR	Local Registry ID
		HL7 0203 (CWE)	MA	Medicaid number
		HL7 0203 (CWE)	MC	Medicare number
		HL7 0203 (CWE)	MR	Medical record number
		HL7 0203 (CWE)	NE	National employer identifier
		HL7 0203 (CWE)	NI	National unique individual identifier
		HL7 0203 (CWE)	NH	National Health Plan Identifier
		HL7 0203 (CWE)	NNxxx	National Person Identifier where the xxx is the ISO table 3166 3-character (alphabetic) country code
		HL7 0203 (CWE)	NPI	National provider identifier
		HL7 0203 (CWE)	PI	Patient internal identifier
		HL7 0203 (CWE)	PN	Person number

		HL7 0203 (CWE)	PRN	Provider number
		HL7 0203 (CWE)	PT	Patient external identifier
		HL7 0203 (CWE)	RRI	Regional registry ID
		HL7 0203 (CWE)	RR	Railroad Retirement number
		HL7 0203 (CWE)	SL	State license
		HL7 0203 (CWE)	SR	State registry ID
		HL7 0203 (CWE)	SS	Social Security number
		HL7 0203 (CWE)	U	Unspecified
		HL7 0203 (CWE)	UPIN	Medicare/HCFA's Universal Physician Identification numbers
		HL7 0203 (CWE)	VS	VISA
		HL7 0203 (CWE)	VN	Visit number
		HL7 0203 (CWE)	WC	WIC identifier
		HL7 0203 (CWE)	XX	Organization identifier
		NEDSS (CWE)	AS	Alias Social Security Number
		NEDSS (CWE)	PI	Prison Identification Number
		NEDSS (CWE)	CI	CHIP Identification Number

EL_TYPE

Class Name	Attribute Name	Domain	Code	Print Name/Description
Entity_locator_participation	cd	(CWE)	Codes to be defined	

EL_CLS

The most general classifying attribute of the locator class. This code
indicates, at a high level, the kind of locator intended.

Class Name	Attribute Name	Domain	Code	Print Name/Description
Entity_locator_participation	class_cd	NEDSS (CNE)	PST	Postal
		NEDSS (CNE)	TELE	Telecommunications
		NEDSS (CNE)	PHYS	Physical

EL_USE

Class Name	Attribute Name	Domain	Code	Print Name/Description
Entity_locator_participation	use_cd	HL7 v3 AddressUse (CNE)	BIR	BIRTHPLACE
		HL7 v3 PostalAddressUse (	TMP	TEMPORARY - A temporary address, may be good for visit or mailing. Note that an address history

		CNE)		can provide more detailed information.
		HL7 v3 AddressUse (CNE)	H	HOME - A communication address at a home, attempted contacts for business purposes might intrude privacy and chances are one will contact family or other household members instead of the person one wishes to call. Typically used with urgent cases, or if no other address is given.
		HL7 v3 AddressUse (CNE)	WP	WORK PLACE - An office address. First choice for business related contacts during business hours.
		HL7 v3 TelecommunicationAddressUse (CNE)	AN	ANSWERING SERVICE - An automated answering machine used for less urgent cases and if the main purpose of contact is to leave a message or access an automated announcement.
		HL7 v3 TelecommunicationAddressUse (CNE)	EC	EMERGENCY CONTACT - A contact specifically designated to be used for emergencies. This is the first choice in emergencies, independent of any other use codes.
		HL7 v3 TelecommunicationAddressUse (CNE)	MC	MOBILE CONTACT - A telecommunication device that moves and stays with its owner. May have characteristics of all other use codes, suitable for urgent matters, not the first choice for routine business.
		NEDSS (CNE)	OC	ORGANIZATIONAL CONTACT – an organizational entity of interest; Contact information is needed for public health purposes.

INT_TYPE

Class Name	Attribute Name	Domain	Code	Print Name/Description
Intervention	cd	HL7 v3 ActCode (CWE)	Codes to be defined	

INT_CLS

This code indicates, at a high level, the kind of intervention intended.

Class Name	Attribute Name	Domain	Code	Print Name/Description

		HL7 v3 ActClass (CNE)	SBADM	
Intervention	class_cd			Substance Administration
		HL7 v3 ActClass (CNE)	PROC	Procedures

INT_METH

Class Name	Attribute Name	Domain	Code	Print Name/Description
Intervention	method_cd	ActReason (CWE)	Codes to be defined	

INT_RSN

Class Name	Attribute Name	Domain	Code	Print Name/Description
Intervention	reason_cd	NEDSS (CWE)	Codes to be defined	

INT_STS

Class Name	Attribute Name	Domain	Code	Print Name/Description
Intervention	status_cd	HL7 v3 ActStatus (CNE)	Active	Service object is active.
		HL7 v3 ActStatus (CNE)	Aborted	Active service object is exceptionally terminated.
		HL7 v3 ActStatus (CNE)	Cancelled	Service object has been abandoned before activation.
		HL7 v3 ActStatus (CNE)	Held	Service object is on hold so it cannot be activated before it is released.
		HL7 v3 ActStatus (CNE)	New	Service object is in preparation awaiting to be activated.
		HL7 v3 ActStatus (CNE)	Suspended	Active service object is temporarily suspended.
		HL7 v3 ActStatus (CNE)	Nullified	Service object should not have been instantiated, and is therefore nullified.
		HL7 v3 ActStatus (CNE)	Obsolete	Service object has been superceded by a new service object.
			Add'l codes may be defined	

INT_SITE

Class Name	Attribute Name	Domain	Code	Print Name/Description
Intervention	target_site_cd	ActSite (CWE)	Codes to be defined	

M_TYPE
Code depicting the type of material

Class Name	Attribute Name	Domain	Code	Print Name/Description
Material	cd	HL7 v3 EntityCode (CWE)	Codes to be defined	

M_FORM
Code depicting the form of the material

Class Name	Attribute Name	Domain	Code	Print Name/Description
Material	form_cd	HL7 v3 MaterialForm (CWE)	S	Solid
		HL7 v3 MaterialForm (CWE	L	Liquid
		HL7 v3 MaterialForm (CWE	G	Gas

M_HANDLG
A code depicting how the material needs to be handed to avoid damage to it or other entities.

Class Name	Attribute Name	Domain	Code	Print Name/Description
Material	handling_cd	HL7 v3 EntityHanding (CWE)	AMB	Ambient Temperature - Keep at ambient temperature, 22 +/- 2C
		HL7 v3 EntityHanding (CWE)	C37	Body Temperature – Critical to keep at body temperature 36-38C
		HL7 v3 EntityHanding (CWE)	CAMB	Critical Ambient Temperature – critical ambient – must not be refrigerated or frozen
		HL7 v3 EntityHanding (CWE)	CATM	Protect from Air – Critical. Do not expose to atmosphere. Do not uncap
		HL7 v3 EntityHanding (CWE)	CFRZ	Critical Frozen – Critical frozen. Specimen must not be allowed to thaw until immediately prior to testing.
		HL7 v3 EntityHanding (CWE)	CREF	Critical refrigerated – must not be allowed to freeze or warm until immediately prior to testing.
		HL7 v3 EntityHanding (CWE)	DFRZ	Deep Frozen – Deep Frozen –16 to –20C

		Domain	Code	Print Name/Description
		HL7 v3 EntityHanding (CWE)	DRY	Dry - Keep in a dry environment
		HL7 v3 EntityHanding (CWE)	FRZ	Frozen - Keep frozen below 0 degree C
		HL7 v3 EntityHanding (CWE)	MTLF	Metal Free - Container is free of heavy metals, including lead.
		HL7 v3 EntityHanding (CWE)	NTR	Nitrogen - Keep in liquid nitrogen
		HL7 v3 EntityHanding (CWE)	PRTL	Protect from Light - Protect from light (eg. Wrap in aluminum foil.)
		HL7 v3 EntityHanding (CWE)	PSA	Do not shake
		HL7 v3 EntityHanding (CWE)	PSO	No chock - Protect against shock
		HL7 v3 EntityHanding (CWE)	REF	Refrigerated Temperature - Keep at refridgerated temperature:4-8C Accidental warming or freezing is of little consequence.
		HL7 v3 EntityHanding (CWE)	SUB	Shake before use - Shake thoroughly before using
		HL7 v3 EntityHanding (CWE)	UFRZ	Ultra Frozen - Ultra cold frozen -75 to -85C. Ultra cold freezer is typically at temperature of dry ice.
		HL7 v3 EntityHanding (CWE)	UPR	Upright - Keep upright, do not turn upside down

M_RISK

Class Name	Attribute Name	Domain	Code	Print Name/Description
Material	risk_cd	HL7 v3 MaterialDanger (CWE)	INF	infectious - Material known to be infectious with human pathogenic microorganisms. Those who handle this material must take precautions for their protection.
		HL7 v3 MaterialDanger (CWE)	BHZ	Biohazard -Material contains microorganisms that is an environmental hazard. Must be handled with special care.

		HL7 v3 MaterialDanger (CWE)	IFL	Inflammable - Material is highly inflammable and in certain mixtures (with air) may lead to explosions. Keep away from fire, sparks and excessive heat.
		HL7 v3 MaterialDanger (CWE)	EXP	Explosive - Material is an explosive mixture. Keep away from fire, sparks, and heat.
		HL7 v3 MaterialDanger (CWE)	AGG	aggressive - A danger that can be associated with certain living subjects, including humans
		HL7 v3 MaterialDanger (CWE)	BIO	Biological - The dangers associated with normal biological materials. I.e. potential risk of unknown infections. Routine biological materials from living subjects.
		HL7 v3 MaterialDanger (CWE)	COR	Corrosive - Material is corrosive and may cause severe injury to skin, mucous membranes and eyes. Avoid any unprotected contact.
		HL7 v3 MaterialDanger (CWE)	RAD	Radioactive - Material is a source for ionizing radiation and must be handled with special care to avoid injury of those who handle it and to avoid environmental hazards.
		HL7 v3 MaterialDanger (CWE)	ESC	Escape Risk - The entity is at risk for escaping from containment or control.
		HL7 v3 MaterialDanger (CWE)	INJ	Injury hazard - Material is solid and sharp (e.g., cannulas.) Dispose in hard container.
		HL7 v3 MaterialDanger (CWE)	POI	Poison - Material is poisonous to humans and/or animals. Special care must be taken to avoid incorporation, even of small amounts.
		HL7 v3 MaterialDanger (CWE)	RAD	Radioactive - Material is a source for ionizing radiation and must be handled with special care to avoid injury of those who handle it and to avoid environmental hazards.

NP_BREED

Class Name	Attribute Name	Domain	Code	Print Name/Description
Non_Person_living_subject	breed_cd	HL7 v3 NonPersonLivingSubjectBreed (CWE)	Codes to be defined	

NP_TYPE

Class Name	Attribute Name	Domain	Code	Print Name/Description
Non_Person_living_subject	cd	HL7 v3 EntityCode (CWE)	Codes to be defined	

NP_TAX_CLS

Class Name	Attribute Name	Domain	Code	Print Name/Description
Non_Person_living_subject	taxonomic_classification_cd	HL7 v3 NonPersonLivingSubjectTaxonomicClassification (CWE)	Codes to be defined	

N_TYPE
A code specifying the type of notification action

Class Name	Attribute Name	Domain	Code	Print Name/Description
Notification	cd	HL7 v3 ActCode (CWE) *	Codes to be defined	Condition Notification
		HL7 v3 ActCode (CWE) *		Change/retraction of prior notification
		HL7 v3 ActCode (CWE) *		Summary notification
		HL7 v3 ActCode (CWE) *		Notification response

N_METH
A code to indicate the notification method

Class Name	Attribute Name	Domain	Code	Print Name/Description
Notification	method_cd	NEDSS (CWE)	Codes to be defined	Telephone
		NEDSS (CWE)		Fax
		NEDSS (CWE)		Interview/personal communication
		NEDSS (CWE)		Internet-based report
		NEDSS (CWE)		Electronic mail

		NEDSS (CWE)		Letter, non-electronic

N_RSN
Code for the reason for the notifiction

Class Name	Attribute Name	Domain	Code	Print Name/Description
Notification	reason_cd	HL7 v3 ActReason (CWE) *	Codes to be defined	Laboratory test result
		HL7 v3 ActReason (CWE) *		Clinical Diagnosis
		HL7 v3 ActReason (CWE) *		Epidemiologically-linked observation
		HL7 v3 ActReason (CWE) *		Public observation

N_RPT_SRC
Code indicating the source of the notification report

Class Name	Attribute Name	Domain	Code	Print Name/Description
Notification	rpt_source_cd	NEDSS (CNE)	Codes to be defined	

N_STS
A code for the status of the notification act

Class Name	Attribute Name	Domain	Code	Print Name/Description
Notification	status_cd	HL7 v3 ActStatus (CWE)	Active	Service object is active.
			Aborted	Active service object is exceptionally terminated.
			Cancelled	Service object has been abandoned before activation.
			Held	Service object is on hold so it cannot be activated before it is released.
			New	Service object is in preparation awaiting to be activated.
			Suspended	Active service object is temporarily suspended.
			Nullified	Service object should not have been instantiated, and is therefore nullified.

OV_CD

Class Name	Attribute Name	Domain	Code	Print Name/Description
Obs_value_coded	code	(CNE)	Codes to be defined	

OV_CD_SY
A code indicating the assigning authority (system) of the observation
value code.

Class Name	Attribute Name	Domain	Code	Print Name/Description
Obs_value_coded	code_system_cd		SN	SNOMED

OV_CD_MD

Class Name	Attribute Name	Domain	Code	Print Name/Description
Obs_value_coded_mod	code_mod_cd		Codes to be defined	

OV_CD_MD_SY

Class Name	Attribute Name	Domain	Code	Print Name/Description
Obs_value_coded_mod	code_system_cd		Codes to be defined	

OV_SUB_TY

Class Name	Attribute Name	Domain	Code	Print Name/Description
Obs_value_txt	data_Subtype_cd	HL7 0291	TIFF	TIFF image data
		HL7 0291	PICT	PICT format image data
		HL7 0291	DICOM	Digital Imaging and Communications in Medicine
		HL7 0291	FAX	Facsimile data
		HL7 0291	JOT	Electronic ink data (Jot 1.0 standard)
		HL7 0291	BASIC	ISDN PCM audio data
		HL7 0291	Octet-stream	Uninterpreted binary data
		HL7 0291	PostScript	PostScript program
		HL7 0291	JPEG	Joint Photographic Experts Group
		HL7 0291	GIF	Graphics Interchange Format
		HL7 0291	HTML	Hypertext Markup Language
		HL7 0291	SGML	Structured General Markup Language (HL7 V2.3.1 and later)
		HL7 0291	XML	Extensible Markup Language (HL7 V2.3.1 and later)
		HL7 0291	RTF	Rich Text Format

OV_ENCODE

Class Name	Attribute Name	Domain	Code	Print Name/Description

Obs_value_txt	encoding_type_cd	HL7 0299	A	no encoding - data are displayable ASCII characters.
		HL7 0299	Hex	hexadecimal encoding - consecutive pairs of hexadecimal digits represent consecutive single octets.
		HL7 0299	Base64	encoding as defined by MIME (Multipurpose Internet Mail Extensions) standard RFC 1521. Four consecutive ASCII characters represent three consecutive octets of binary data. Base64 utilizes a 65-character subset of US-ASCII, consisting of both the upper a

OV_TXT_TY

Class Name	Attribute Name	Domain	Code	Print Name/Description
Obs_value_txt	txt_type_cd	HL7 0191	SI	Scanned image
		HL7 0191	NS	Non-scanned image
		HL7 0191	SD	Scanned document
		HL7 0191	TX	Machine readable text document
		HL7 0191	FT	Formatted text
		HL7 0191	TEXT	Machine readable text document (HL7 V2.3.1 and later)
		HL7 0191	IM	Image data (new with HL7 v 2.3)
		HL7 0191	AU	Audio data (new with HL7 v 2.3)
		HL7 0191	AP	Other application data, typically uninterpreted binary data (new with HL7 v 2.3)
		HL7 0191	Image	Image data (HL7 V2.3 and later)
		HL7 0191	Audio	Audio data (HL7 V2.3 and later)

OBS_TYPE

Class Name	Attribute Name	Domain	Code	Print Name/Description
Observation	cd	HL7 v3 ActCode (CWE)	Codes to be defined	

OBS_DOMAIN

Class Name	Attribute Name	Domain	Code	Print Name/Description
Observation	obs_domain_cd	NEDSS (CNE)	Code not defined yet	

OBS_STS

Class Name	Attribute Name	Domain	Code	Print Name/Description
Observation	status_cd	HL7 v3ActStatus (CNE)	Code not defined yet	

OBS_SITE

Class Name	Attribute Name	Domain	Code	Print Name/Description
Observation	target_site_cd	HL7 v3 ActSite (CWE)	Code not defined yet	

OBS_INTRP

Class Name	Attribute Name	Domain	Code	Print Name/Description
Observation_interp	interpretation_cd	Hl7 v3 ObservationInterpretation (CWE)	L	Below low normal
		Hl7 v3 ObservationInterpretation (CWE)	H	Above high normal
		Hl7 v3 ObservationInterpretation (CWE)	LL	Below lower panic limits
		Hl7 v3 ObservationInterpretation (CWE)	HH	Above upper panic limits
		Hl7 v3 ObservationInterpretation (CWE)	<	Below absolute low
		Hl7 v3 ObservationInterpretation (CWE)	>	Above absolute high
		Hl7 v3 ObservationInterpretation (CWE)	N	Normal
		Hl7 v3 ObservationInterpretation (CWE)	A	Abnormal
		Hl7 v3 ObservationInterpretation (CWE)	AA	Very abnormal

		HI7 v3 ObservationInterpretation (CWE)	U	Significant change up
		HI7 v3 ObservationInterpretation (CWE)	D	Significant change down
		HI7 v3 ObservationInterpretation (CWE)	B	Better
		HI7 v3 ObservationInterpretation (CWE)	W	Worse
		HI7 v3 ObservationInterpretation (CWE)	S	sensitive
		HI7 v3 ObservationInterpretation (CWE)	R	Resistant
		HI7 v3 ObservationInterpretation (CWE)	I	Intermediate
		HI7 v3 ObservationInterpretation (CWE)	MS	Moderately sensitive
		HI7 v3 ObservationInterpretation (CWE)	VS	Very sensitive

OBS_RSN

Class Name	Attribute Name	Domain	Code	Print Name/Description
Observation_reason	reason_cd	HI7 v3 ActReason(CWE)	Codes to be defined	

OV_COND

Class Name	Attribute Name	Domain	Code	Print Name/Description
Observation_value	lab_condition_cd	NEDSS (CNE)	Codes to be defined	

OV_METH

Class Name	Attribute Name	Domain	Code	Print Name/Description
Observation_value	method_cd	(CWE)	See Appendix B	

| | | | ObservationMethod Codes | |
| | | | | |

OV_TYPE
Code indicating the individual result or observation component

Class Name	Attribute Name	Domain	Code	Print Name/Description
Observation_value	obs_value_cd	HL7 v3 ActCode (CWE)	Codes to be defined	

OV_STS
The state of the observation value

Class Name	Attribute Name	Domain	Code	Print Name/Description
Observation_value	value_status_cd	HL7 v3 ActStatus (CNE)	Codes to be defined	

O_TYPE
Code that indicates, on a high level, the type of organization (e.g.,
'HCFA' for healthcare facility or 'PHD' for public health department)

Class Name	Attribute Name	Domain	Code	Print Name/Description
Organization	cd	HL7 v3 EntityCode (CWE)	Codes to be defined	

O_SIC
The Standard industry classification code of the organization

Class Name	Attribute Name	Domain	Code	Print Name/Description
Organization	standard_industry_class_cd	HL7 v3 OrganizationIndustryClass	Codes to be defined	

O_NM_USE
A code indicating the usage of the organization name

Class Name	Attribute Name	Domain	Code	Print Name/Description
Organization_name	nm_use_cd	HL7 v3 OrganizationNameType	A	Alias - An alias, typically a shorter name than the legal name. This is the default.
		HL7 v3 OrganizationNam	L	Legal - The full legal name of the organization as used in public records

		eType		
		HL7 v3 OrganizationNameType	ST	Stock - A stock market ticker symbol

PAR_AWARE

Class Name	Attribute Name	Domain	Code	Print Name/Description
Participation	awareness_cd	HL7 v3 TargetAwareness (CWE)	D	Denying
		HL7 v3 TargetAwareness (CWE)	F	Full awareness
		HL7 v3 TargetAwareness (CWE)	I	Incapable
		HL7 v3 TargetAwareness (CWE)	M	Marginal
		HL7 v3 TargetAwareness (CWE)	P	Partial
		HL7 v3 TargetAwareness (CWE)	U	Uninformed

PAR_STS

Class Name	Attribute Name	Domain	Code	Print Name/Description
Participation	status_cd	ParticipationStatus (CNE)	Codes to be defined	

PAR_TYPE

Class Name	Attribute Name	Domain	Code	Print Name/Description
Participation	type_cd	ParticipationType (CWE)	PRF	Performer -A person who actually and principally carries out the action. Need not be the principal responsible actor, e.g. a surgery resident operating under supervision of attending surgeon, and may be the patient in self-care, e.g. fingerstick blood sugar. The traditional order filler is a performer. This information should accompany every service event.

			ASS	Assistant Performer -A person assisting in a service through his substantial presence and involvement This includes: assistants, technicians, associates, or whatever the job titles may be.
			ESC	Escort -Only with Transportation services. A person who escorts the patient.
			AUT	Author -A person (or organization) who originates and takes responsibility for the information given in the service object, e.g., the report writer, the person writing the service definition, the guideline author, the placer of an order etc. This information should accompany every service object (regardless of mood.)
			ENT	Data Tentry person -A person entering the data into the originating system. The data entry person is collected optionally for internal quality control purposes. This includes the transcriptionist for dictated text.
			INF	informant - A source of reported information (e.g., a next of kin who answers questions about the patient's history.) For history questions, the patient is logically an informant, yet the informant of history questions is implicitly the subject.
			CBC	Call-back contact - A contact (often not individual) to whom immediate questions for clarification should be directed (e.g., a care facility to be called by phone number.)
			CON	Consultant - An advisor participating in the service by performing evaluations and making recommendations.
			SPV	Supervisor (legal authenticator) - A person who is legally responsible for the service carried out by a performer as a delegate. A supervisor is not necessarily present in an action, but is accountable for the action through the power to delegate, and the duty to review actions with the performing actor after the fact (e.g. head of a biochemical laboratory.)
			VRF	Verifier - A person who verifies the correctness and appropriateness of the service (plan, order, event, etc.) and hence takes on accountability

				WIT	Witness - Only with service events. A person witnessing the action happening without doing anything. A witness is not necessarily aware, much less approves of anything stated in the service event. Example for a witness is students watching an operation or an advanced directive witness.
				CNS	Consenter - The person giving consent to the service (usually the patient himself or a legal guardian.) A consenting person is an actor in the sense of asking or delegating an action to happen upon himself.
				REV	Reviewer - A person reviewing the details of a service (order or documentation) after the fact.
				REF	Referrer - A person having referred the subject of the service to the performer (referring physician.) Typically, a referring physician will receive a report
				TRC	Tacker - A person who receives copies of exchange about this service (e.g., a primary care provider receiving copies of results as ordered by specialist.)
				CST	Custodian - A person (or organization) who is in charge of maintaining the information of this service object (e.g., who maintains the report orthe master service catalog item, etc.)
				DIR	Direct target - Target that is substantially present in the service and which is directly affected by the service action (includes consumed material, devices, etc.)
				SBJ	Subject - The principle target that the service acts on. E.g. the patient in physical examination, a specimen in a lab observation. May also be a patient's family member (teaching) or a device or room (cleaning, disinfecting, housekeeping.) Note: not all direct targets are subjects, consumables, and devices used as tools for a service are not subjects. However, a device may be a subject of a maintenance service.

				BEN	Beneficiary - Target on behalf of whom the service happens, but that is not necessarily present in the service. Can occur together with direct target to indicate that a target is both.
				PAT	Patient - The patient target indicates whose patient medical record this service item is part of. This is especially important when the subject of a service is not the patient himself. For practical purposes it is good to always have one patient target whose only meaning is that this service belongs to that patient's medical record. In addition, other targets types should be specified if the patient is also a subject or beneficiary or other target of the service.
				NOK	Proxy - Someone who is the subject of the service on behalf of the patient. For example, a family member who is the subject of a teaching service in the patient's matters.
				DON	Donor - In some organ transplantation services and rarely in transfusion services a donor will be a target participant in the service. However, in most cases transplantation is decomposed in three services: explantation, transport, and implantation. The identity of the donor (recipient) is often irrelevant for the explantation (implantation) service.
				MTH	Mother - In an obstetric service, the mother.
				BBY	Baby - The patient target indicates whose patient medical record this service item is part of. This is especially important when the subject of a service is not the patient himself. For practical purposes it is good to always have one patient target whose only meaning is that this service belongs to that patient's medical record. In addition, other targets types should be specified if the patient is also a subject or beneficiary or other target of the service.
				SPC	Specimen - The subject of non-clinical (e.g. laboratory) observation services is a specimen.

				PRD	Product - A material target that is brought forth (produced) in the service (e.g., specimen in a specimen collection, access or drainage in a placement service, medication package in a dispense service.) It doesn't matter whether the material produced had existence prior to the service, or whether it is created in the service (e.g., in supply services the product is taken from a stock.)
				CSM	Consumable- Target that is taken up, is diminished, and disappears in the service.
				TPA	Therapeutic agent - Something incorporated in the subject of a therapy service to achieve a physiologic effect (e.g., heal, relieve, provoke a condition, etc.) on the subject. In an administration service the therapeutic agent is a consumable, in a preparation or dispense service, it is a product. Thus, consumable or product must be specified in accordance with the kind of service.
				DEV=device	Target that is substantially present in the service and which is directly affected by the service action (includes consumed material, devices, etc.)
				NRD	Non-reusable device - A device that changes ownership due to the service, e.g., a pacemaker, a prosthesis, an insulin injection equipment (pen), etc. Such material may need to be restocked after he service.
				RDV	Reusable device - A device that does not change ownership due to the service, i.e., a surgical instrument or tool or an endoscope. The distinction between reuseable and non-reuseable must be made in order to know whether material must be re-stocked.
				PYL	Payload - For transportation services, the transported passenger or goods.
				LOC	Locaton - The facility where the service is done. May be a static building (or room therein) or a moving location (e.g., ambulance, helicopter, aircraft, train, truck, ship, etc.)

				ORG	Origin - The location of origin for transportation services. May be a static building (or room therein) or a movable facility (e.g., ship.)
				DST	Destination - The destination for transportation services. May be a static building (or room therein) or a movable facility (e.g., ship.)
				VIA	Via - For transportation services, an intermediate location that specifies a path between origin an destination.
				RML	Remote - Some services take place at multiple concurrent locations (e.g., telemedicine, telephone consultation.) The location where the principal performing actor is located is taken as the primary location (LOC) while the other location(s) are considered "remote."
				ODV	Originating device - A device that generated the information in the attached service object. For example, a Coulter counter on an EKG device that produced the report.
				PATSBJ	patient subject -The patient as the subject of the service. E.g., in direct clinical observations, the patient is the subject.

PE_ACUITY

Class Name	Attribute Name	Domain	Code	Print Name/Description
Patient_encounter	Acuity_level_cd	HL7 v3 EncounterAcuity (CWE)	Codes to be defined	

PE_ADMIT

Class Name	Attribute Name	Domain	Code	Print Name/Description
Patient_encounter	admission_source_cd	HL7 v3 EncounterAdmission (CWE)	E	emergency
		HL7 v3 EncounterAdmission (CWE)	LD	labor and delivery
		HL7 v3 EncounterAdmission (CWE)	NB	newborn

PE_TYPE

Class Name	Attribute Name	Domain	Code	Print Name/Description
Patient_encounter	cd	HL7 v3 ActCode (CWE)	Codes to be defined	

PE_REF_SRC

Class Name	Attribute Name	Domain	Code	Print Name/Description
Patient_encounter	referral_source_cd	HL7 v3 EncounterReferralSource (CWE)	Codes to be defined	

PE_STS

Class Name	Attribute Name	Domain	Code	Print Name/Description
Patient_encounter	status_cd	HL7 v3 ActStatus (CNE)	Codes to be defined	

PE_STS_RSN

Class Name	Attribute Name	Domain	Code	Print Name/Description
Patient_encounter	status_reason_cd	HL7 v3 EncounterSatusReason (CWE)	Codes to be defined	

P_AGE_CAT
Code depicting the age category to which the person belongs

Class Name	Attribute Name	Domain	Code	Print Name/Description
Person	age_category_cd	CIPHER	1	Less than 1 year
		CIPHER	1-4	1-4 years
		CIPHER	5-9	5-9 years
		CIPHER	10-14	10-14 years
		CIPHER	15-19	15-19 years
		CIPHER	20-24	20-24 years
		CIPHER	25-29	25-29 years

		CIPHER	30-34	30-34 years
		CIPHER	35-39	35-39 years
		CIPHER	40-44	40-44 years
		CIPHER	45-49	45-49 years
		CIPHER	50-54	50-54 years
		CIPHER	55-59	55-59 years
		CIPHER	60-64	60-64 years
		CIPHER	65-69	65-69 years
		CIPHER	70-74	70-74 years
		CIPHER	75-79	75-79 years
		CIPHER	80-84	80-84 years
		CIPHER	85-89	85-89 years
		CIPHER	90+	90+ years

P_AGE_UNIT

Code depicting the age units of measure

Class Name	Attribute Name	Domain	Code	Print Name/Description
Person	age_reported_unit_cd	HL7 units of measure (CNE)	Y	Years
			M	Months
			W	Weeks
			D	Days
			H	Hours
		NEDSS	U	Unknown

P_TYPE

Class Name	Attribute Name	Domain	Code	Print Name/Description
Person	cd	HL7 v3 EntityCode (CWE)	Codes to be defined	

P_DTH_IND

Indication that the subject entity is dead

Class Name	Attribute Name	Domain	Code	Print Name/Description
Person	deceased_ind_cd		Y	Yes
			N	No
			U	Unknown

P_EDUC_LVL
Code depicting the highest level of schooling a person has
completed

Class Name	Attribute Name	Domain	Code	Print Name/Description
Person	education_level_cd	EducationLevel (CNE) - CIPHER	0	No schooling completed
		NEDSS	PK	Pre-kindergarden - Includes nursery school, Pre-Kindergarden, Head Start, etc
		NEDSS	K	Kindergarden
		CIPHER	1*	Nursery school
		CIPHER	1-4	1st, 2nd, 3rd, or 4th grade
		CIPHER	5-6	5th or 6th grade
		CIPHER	7-8	7th or 8th grade
		CIPHER	9	9th grade
		CIPHER	10	10th grade
		CIPHER	11	11th grade
		CIPHER	12*	12th grade, no diploma
		NEDSS	HD	High School Graduate
		NEDSS	GD	GED – General Education Diploma
		NEDSS	HS	Some high school, degree status unknown
		CIPHER	13*	Some college credit, but less than 1 year
		CIPHER	13-16*	1 or more years of college, no degree
		CIPHER	OV	Occupational/Vocational degree
		CIPHER	AD	Associate Degree, Academic Program
		CIPHER	BD	Bachelor's Degree
		CIPHER	MD	Master's Degree
		CIPHER	PD	Professional Degree
		CIPHER	DD	Doctoral Degree

P_ETHN
Indicates if the person is Hispanic or Not Hispanic

Class Name	Attribute Name	Domain	Code	Print Name/Description
Person	ethnic_group_ind_cd	Ethnicity (CWE)	2186-5	Not Hispanic or Latino
			2135-2	Hispanic or Latino

P_MARITAL
A code indicating the married or similar partnership status of a

person

Class Name	Attribute Name	Domain	Code	Print Name/Description
Person	marital_status_cd	HL7 v3 MaritalStatus (CNE)	A	Annulled - Marriage contract has been declared null and to not have existed
		HL7 v3 MaritalStatus (CNE)	D	Divorced - Marriage contract has been declared dissolved and inactive
		HL7 v3 MaritalStatus (CNE)	L	Legally separated
		HL7 v3 MaritalStatus (CNE)	M	Married - A current marriage contract is active
		HL7 v3 MaritalStatus (CNE)	S	Single, never married - No marriage contract has ever been entered
		HL7 v3 MaritalStatus (CNE)	W	Widowed - The spouse has died
		HL7 v3 MaritalStatus (CNE)	C	Co-habitation, common law marriage - To live togethor in a sexual relationship without entering into a marriage contract
		HL7 v3 MaritalStatus (CNE)	U	Unknown
		HL7 v3 MaritalStatus (CNE)	I	Interlocutory - Subject to an interlocutory decree
		HL7 v3 MaritalStatus (CNE)	P	Polygamous - More than 1 current spouse

P_OCCUP

Class Name	Attribute Name	Domain	Code	Print Name/Description
Person	occupation_cd	Standard Occupational Class (SOC) codes Bureau of Labor Statistics		Use Standard Occupational Class (SOC) codes Bureau of Labor Statistics, with extensions for illegal or non-traditional occupations (I.e. migrant farm worker, commercial sex worker, etc) (CNE)
		NEDSS	CSW	Commercial Sex Worker
		NEDSS	MFW	Migrant Farm Worker
		NEDSS	IDD	Illicit Drug Dealer

P_SEX

Class Name	Attribute Name	Domain	Code	Print Name/Description
Person	birth_sex_cd	HL7 v3 AdministrativeGende	M	Male

Class Name	Attribute Name	Domain	Code	Print Name/Description
		r(CNE)		
	curr_sex_cd	HL7 v3 AdministrativeGender(CNE)	F	Female
		NEDSS	U	Unknown

P_PRF_LANG
Code that indicates the language the person is most comfortable with

Class Name	Attribute Name	Domain	Code	Print Name/Description
Person	prim_lang_cd	HL7 v3 HumanLanguage (CWE) ISO 639-2 (source)	Codes for the representation of names of languages	

P_ETHN_GRP
Ethnicity group code for Hispanics or Latinos

Class Name	Attribute Name	Domain	Code	Print Name/Description
			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
			HL7 v3 Ethnicity (CWE)	La Raza
			2153-5	Mexican American Indian
			2155-0	Central American
[0]Person_ethnic_group	ethnic_grou_cd	HL7 v3 Ethnicity (CWE)	2156-8	Costa Rican
			2157-6	Guatemalan

			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

P_NM_USE
A code indicating the reason for which the name is used

Class Name	Attribute Name	Domain	Code	Print Name/Description
Person_name	nm_use_cd	HL7 0200 –Name Type (CNE) *	AL	Alias Name
		HL7 0200 –Name Type(CNE)	D	Display Name
		HL7 0200 –Name Type(CNE)	M	Maiden Name

		HL7 0200 –Name Type(CNE)	C	Adopted Name
		HL7 0200 –Name Type(CNE)	S	Coded Pseudo - Name to ensure anonymity
		HL7 PersonNamePartQualifier (CNE)	BR	Name at Birth - A name that a person had shortly after being born. Usually for family names but may be used to mark given names at birth that may have changed later.
		HL7 PersonNamePartQualifier (CNE)	SP	Name of Partner/Spouse - The name assumed from the partner in a marital relationship (hence the "M"). Usually the spouse's family name. Note that no inference about gender can be made from the existence of spouse names.
		NEDSS (CNE)	MD	Married
		HL7 PersonNamePartQualifier (CNE)	VV	Voorgoegsel - A Dutch "voorvoegsel" is something like "van" or "de" that might have indicated nobility in the past but no longer so. Similar prefixes exist in other languages such es Spanish, French or Portugese.
		HL7 PersonNamePartQualifier (CNE)	AC	Academic - Indicates that a prefix like "Dr." or a suffix like "M.D." or "Ph.D." is an academic title.
		HL7 PersonNamePartQualifier (CNE)	PR	Professional - Primarily in the British Imperial culture people tend to have an abbreviation of their professional organization as part of their credential suffices.
		HL7 PersonNamePartQualifier (CNE)	NB	Nobility - In Europe and Asia, there are still people with nobility titles (aristocrats.) German "von" is generally a nobility title, not a mere voorvoegsel. Others are "Earl of" or "His Majesty King of..." etc. Rarely used nowadays, but some systems do keep track
		HL7 PersonNamePartQualifier (CNE)	CL	Callme - A callme name is (usually a given name) that is preferred when a person is directly addressed (also known as Nickname or preferred name).
		HL7 PersonNamePartQualifier (CNE)	RE	Record
		HL7 v3 EntityNameUse	A	Artist/Stage - Includes writer's pseudonym, stage name, etc

		(CNE)		
		HL7 v3 EntityNameUse (CNE)	I	Indigenous/Tribal - e.g. Chief Red Cloud
		HL7 v3 EntityNameUse (CNE)	L	Legal - known as/conventional/the one you use
		HL7 v3 EntityNameUse (CNE)	R	Religious - e.g. Sister Mary Francis, Brother John
		HL7 v3 EntityNameUse (CNE)	C	License - As recorded on a license, record, certificate, etc. (only if different from legal name)

P_NM_PFX

Class Name	Attribute Name	Domain	Code	Print Name/Description
Person_name	nm_prefix	NEDSS (CNE)	Mr.	Mister
		NEDSS (CNE)	Mrs.	Mrs.
		NEDSS (CNE)	Ms.	Ms.
		NEDSS (CNE)	Dr.	Doctor

P_NM_SFX

Class Name	Attribute Name	Domain	Code	Print Name/Description
Person_name	nm_suffix	NEDSS (CNE)	Jr.	Junior
		NEDSS (CNE)	Sr.	Senior
		NEDSS (CNE)	II	Second
		NEDSS (CNE)	IIII	Third
		NEDSS (CNE)	M.D.	Medical Doctor

P_RACE_CAT

Class Name	Attribute Name	Domain	Code	Print Name/Description
Person_race	race_category_cd	HL7 v3 Race (CWE)	2028-9	Asian
			2054-5	Black
			1002-5	Amer Indian or Native Alaskan
			2106-3	White
			2076-8	Hawaiian or Pacific Island
			2131-1	Other

			UNK	Unknown

P_RACE

Class Name	Attribute Name	Domain	Code	Print Name/Description
Person_race	person_race_cd	HL7 v3 Race (CWE)	See Appendix B – Person Race Modifiers	

PL_TYPE

The main classifying attribute of a place. This code indicates, on high level, the kind of place.

Class Name	Attribute Name	Domain	Code	Print Name/Description
Place	cd	HL7 v3 EntityCode (CWE)	Codes to be defined	

PSL_CN_BLK

The census block code for a location

Class Name	Attribute Name	Domain	Code	Print Name/Description
Postal_locator	census_block_cd	US Census Bureau (CNE)	Use census block codes, US census bureau, www.census.gov	Census blocks are the smallest units of data tabulation. They do not cross census tracts or counties and are generally bounded by visible features and legal boundaries. There average size is about 100 people

PSL_CMCD

The census minor civil division code for a location

Class Name	Attribute Name	Domain	Code	Print Name/Description
Postal_locator	census_minor_block_cd	US Census Bureau (CNE)	Use census minor civil division codes, US census bureau, www.census.gov	These are the primary geographic units recognized by the Census Bureau which are just below the county level. Most states have Minor Civil Divisions (MCD's) which are legally recognized governmental or administrative units. MCD's are defined in 28 states and in D.C. In the remaining states the Census Bureau has defined Census County Divisions (CCD's). Each state has either all MCD's or all CCD's - there is never a split. "MCD" is a generic category; the specific types of MCD's vary by state. The most common type of MCD is the township. Other types of areas that can be MCD's include towns or incorporated places, election districts, plantations, magisterial districts, etc. In the geographic hierarchy these divisions provide a complete coverage of all counties in the county. There were approximately 35,000 such geographic areas in the U.S. at the time of the 1990 census.

PSL_C_TRCK
The census track code for a location

Class Name	Attribute Name	Domain	Code	Print Name/Description
Postal_locator	census_track_cd	US Census Bureau (CNE)	Use census block codes, US census bureau, www.census.gov	Among the criteria that the Census Bureau has established for defining tracts is that they should be compact contiguous areas with populations of about 4000 persons and that the area should, if possible, try to avoid combining non-homogeneous areas. The ideal census tract would be a locally recognized "neighborhood" within a city.Censu s tracts are assigned 4-digit numeric codes, unique within counties. Tracts can also have a 2-digit suffix code, usually indicating that this is a "split" of a tract from an earlier census year. Thus if "1234.00" was a tract in 1980 with 5000 persons and that area grew to a population of 12000 by 1990 you might see 3 tracts in 1990 with codes "1234.01", "1234.02" and "1234.03".

PSL_CITY
The city code for a postal location

Class Name	Attribute Name	Domain	Code	Print Name/Description
Postal_locator	city_cd	FIPS City Codes (CWE)		

PSL_CNTRY
The country code for a postal location

Class Name	Attribute Name	Domain	Code	Print Name/Description
Postal_locator	cntry_cd	ISO 3166 (CNE): 3166-1: Country codes 3166-2: Country subdivision code 3166-3:Codes for formerly used names of countries		

PSL_CNTY
The county code for a postal location

Class Name	Attribute Name	Domain	Code	Print Name/Description
Postal_locator	cnty_cd	FIPS Country Codes (CNE)	Codes to be defined	

PSL_C_DIST
The code for a congressional district

Class Name	Attribute Name	Domain	Code	Print Name/Description
Postal_locator	congress_district_cd	FIPS 9-1(CNE)		FIPS district (9-1)

PSL_MSA
The code for a metropolitan statistical area

Class Name	Attribute Name	Domain	Code	Print Name/Description
Postal_locator	MSA_congress_district_cd	FIPS 8-6(CNE)		FIPS metropolitan statistical area (MSA) codes (8-6)

PSL_HH_RGN
A code for the Department of Health and Human Services (DHHS)
region of a location

Class Name	Attribute Name	Domain	Code	Print Name/Description
Postal_locator	region_cd	DHHS (CNE)	I	Region One - Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont
		DHHS (CNE)	II	Region Two - New York, New Jersey, Puerto Rico, Virgin Islands
		DHHS (CNE)	III	Region Three - Delaware, Maryland, Pennsylvania, Virginia, West Virginia, District of Columbia
		DHHS (CNE)	IV	Region Four - Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee
		DHHS (CNE)	V	Region Five - Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin
		DHHS (CNE)	VI	Region Six - Arkansas, Louisiana, New Mexico, Oklahoma, Texas
		DHHS (CNE)	VII	Region Seven - Iowa, Kansas, Missouri, Nebraska
		DHHS (CNE)	VIII	Region Eight - Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming
		DHHS (CNE)	IX	Region Nine - Arizona, California, Hawaii, Nevada, Guam, Trust Territory of the Pacific Islands, American Samoa
		DHHS (CNE)	X	Region Ten - Alaska, Idaho, Oregon, Washington

PSL_STATE
The state code for a postal location

Class Name	Attribute Name	Domain	Code	Print Name/Description
Postal_locator	state_cd	FIPS State codes (CNE)		

PSL_ZIP
The zip code for a postal location

Class Name	Attribute Name	Domain	Code	Print Name/Description
Postal_locator	zip_cd	FIPS Zip Codes		

		(CNE)		

PROC_SITE

Class Name	Attribute Name	Domain	Code	Print Name/Description
Procedure	approach_site_cd	HL7 v3 ActSite (CWE)	Codes to be defined	

PHC_TYPE

A code indicating the disease or condition affecting a person or
living subject

Class Name	Attribute Name	Domain	Code	Print Name/Description
Public_health_case	cd	HL7 v3 ActCode (CWE)	Codes to be defined	Currently use a CDC proprietary code set (NETSS event codes). Options for coding this attribute include a CDC proprietary set, SNOMED, or ICD. If a non-CDC code set is used, this would have to be coordinated with the Standards development organizations that maintain the code set. See mappings between NETSS event, SNOMED, and ICD

PHC_CLASS

A code to classify cases by the level of certainty of the diagnosis
based on which criteria from the case definition are met

Class Name	Attribute Name	Domain	Code	Print Name/Description
Public_health_case	case_class_cd	CSTE (CNE)	C	Confirmed - A health condition that meets the criteria to qualify the condition as confirmed according to a public health case definition. The criteria for confirming a condition is defined separately for each condition of public health importance. In general, "confirmed" indicates that the level of certainty that the party actually has the condition is high. This level of certainty will often be reached using objective supportive data from laboratory tests, clinical evaluation, and/or epidemiologic deduction as indicated in the definition of the case.
		CSTE (CNE)	P	Probable - A health condition that meets the criteria to qualify the condition as probable according to a public health case definition. This level of certainty will often be reached using objective supportive data from laboratory tests, clinical evaluation, or epidemiologic deduction.
		CSTE (CNE)	S	Suspect - A health condition that meets the criteria to qualify the condition as suspect according to a public health case definition. In general, suspected condition

				is used when there is some basis for suspicion that the person has the condition, but for which little objective evidence is available to meet the public health case definition.
		NEDSS (CNE)	E	Not a Case, but Exposed- Does not meet the criteria for a confirmed, probable, or suspect case from the case definition, however is believed to have been exposed to the disease causing agent
			R	Not a case, but At Risk- Does not meet the criteria for a confirmed, probable, or suspect case from the case definition, however is believed to be at risk for developing the disease.
		NEDSS	N	Not a Case - Does not meet the criteria for a confirmed, probable, or suspect case from the case definition

PHC_CONF_M

Code for the mechanism by which the case was classified. This attribute is intended to provide information about how the case classification status was derived.

Class Name	Attribute Name	Domain	Code	Print Name/Description
Public_health_case	confirmation_method_cd	NEDSS (CWE)	S	Local/state specified - A case meeting a particular case classification based on the opinion of a public health professional at a state or local health department.
		NEDSS (CWE)	LD	Laboratory confirmed diagnosis - A health condition which meets the criteria to qualify the condition as laboratory-confirmed according to a public health case definition. This level of confirmation is usually reached using objective supportive data from laboratory tests that specifically indicate the condition.
		NEDSS (CWE)	CD	Clinical diagnosis (non-laboratory confirmed) - a health condition that meets the criteria to qualify the condition as clinically-confirmed according to a public health case definition. This level of confirmation is usually reached using objective supportive data from clinical evaluation that specifically indicates the condition.
		NEDSS (CWE)	E	Epidemiologically linked - a health condition that is not clinically or laboratory confirmed in a patient that is linked epidemiologically to another case that is confirmed. Examples may be a household, occupational, or sexual contact of a confirmed case that is symptomatic but has not been laboratory confirmed. This level of confirmation is usually reached using objective supportive data from epidemiologic deduction that specifically indicates the condition.
		NEDSS (CWE)	PD	Provider defined - A case meeting a particular case

				classification based on the professional opinion of a medical provider familiar with the case.

PHC_RPT_M

Code for the method by which the public health department was
made aware of the case

Class Name	Attribute Name	Domain	Code	Print Name/Description
Public_health_case	detection_method_cd	HL7 v3 CaseDetectionMethod (CWE) NEDSS (source)	PR	Provider reported
		HL7 v3 CaseDetectionMethod (CWE)	S	Patient self-referral
		NEDSS (source)	LR	Laboratory report
		HL7 v3 CaseDetectionMethod (CWE)	CI	Case/Outbreak Investigation
		NEDSS (source)	AS	Active Surveillance
		HL7 v3 CaseDetectionMethod (CWE)	RP	Routine Physical
		NEDSS (source)	PT	Prenatal testing
		HL7 v3 CaseDetectionMethod (CWE)	PS	Prison entry screening
		NEDSS (source)	OD	Occupational disease surveillance
		HL7 v3 CaseDetectionMethod (CWE)	MR	Medical record review

PHC_IMPRT

Code that indicates whether the disease was likely acquired outside
the jurisdiction of observation, and if so, the nature of the inter-
jurisdictional relationship

Class Name	Attribute Name	Domain	Code	Print Name/Description
Public_health_case	disease_imported_cd	CaseDiseaseImported (CWE) NEDSS (source)	N	Indigenous, not imported
		CaseDiseaseImported (CWE)	I	International, imported from outside the US and it's overseas territories
		NEDSS (source)	S	Out of state, imported from another state or territory

		CaseDiseaseImported (CWE)	J	Out of jurisdiction, imported from another jurisdiction (state, county or parish, not otherwise specified)
		NEDSS (source)	U	Unknown

PHC_IN_STS
The set of probably lifecycle statuses for investigation records

Class Name	Attribute Name	Domain	Code	Print Name/Description
Public_health_case	investigation_status_cd	NEDSS (CNE)	N	New - Service object is in preparation awaiting to be activated.
		NEDSS (CNE)	CAN	Canceled
		NEDSS (CNE)	H	Held
		NEDSS (CNE)	A	Active
		NEDSS (CNE)	AB	Aborted
		NEDSS (CNE)	SS	Suspended
		NEDSS (CNE)	C	Completed
		NEDSS (CNE)	SP	Superceded

PHC_OUTCM
Code indicating the outcome of the case, i.e., did the patient die as
a result of this illness

Class Name	Attribute Name	Domain	Code	Print Name/Description
Public_health_case	outcome_cd	NEDSS (CNE)	D	Died - The patient died as a result of the illness indicated by the public health condition code (PHCCOND)
		NEDSS (CNE)	S	Survived - The patient survived the illness indicated by the public health condition code (PHCCOND)
		NEDSS (CNE)	U	Unknown - It is not know whether or not the patient survived the illness indicated by the public health condition code (PHCCOND)

PHC_OUTBRK
Indicates whether this case is believed to be part of a larger
outbreak. (Note: this decision is distinct from a separate attribute
which might be used to indicate when a public health case is
instantiated to represent an outbreak rather than an individual case).

Class Name	Attribute Name	Domain	Code	Print Name/Description
Public_health_case	outbreak_ind	NEDSS (CNE)	Y	Yes - Yes, this case is believed to be part of a larger outbreak
		NEDSS (CNE)	N	No - No, this case is not believed to be part of a larger outbreak

PHC_PRG_A

				A code indicating the program area with responsibility for the case

Class Name	Attribute Name	Domain	Code	Print Name/Description
Public_health_case	prog_area_cd	NEDSS (CNE)	STD	STD
		NEDSS (CNE)	HIV	HIV/AIDS
		NEDSS (CNE)	TB	TB
		NEDSS (CNE)	HEP	Hepatitis
		NEDSS (CNE)	IMM	Immunization
		NEDSS (CNE)	BM	Bacteremia/Meningitis
				The proposed categories are reasonable, but will likely vary by state depending on the organizational structure. Some states may have a general communicable disease Division which combines 2 or more of these categories. No "natural" hierarchy to these categories. Therefore, we recommend the categories for this attribute be defined at each state.

PHC_R_CNTY
The county reporting the case (with jurisdiction over the case)

Class Name	Attribute Name	Domain	Code	Print Name/Description
Public_health_case	rpt_cnty_cd	FIPS Country Codes (6-4) (CNE)		

PHC_STS
A code indicating the status of the public health case

Class Name	Attribute Name	Domain	Code	Print Name/Description
Public_health_case	status_cd	HL7 V3 ActStatus(CNE)	AC	Active- Service object is active.
		HL7 V3 ActStatus(CNE)	AB	Aborted -Active service object is exceptionally terminated.
		HL7 V3 ActStatus(CNE)	X	Cancelled - Service object has been abandoned before activation.
		HL7 V3 ActStatus(CNE)	H	Held - Service object is on hold so it cannot be activated before it is released.
		HL7 V3 ActStatus(CNE)	SS	Suspended - Active service object is temporarily suspended.
		HL7 V3 ActStatus(CNE)	N	New - Case report is in preparation awaiting to be activated.
		HL7 V3 ActStatus(CNE)	C	Completed
		HL7 V3 ActStatus(CNE)	SP	Superceded

PHC_TRAN_M

A code for the mechanism by which the disease was acquired by the living subject involved in the public health case

Class Name	Attribute Name	Domain	Code	Print Name/Description
Public_health_case	transmission_mode_cd	HL7 v3 CaseTransmissionode (CWE)	A	Airborne - Acquired via the respiratory inhalation of airborne contagion
			B	Bloodborne - Acquired via the transfusion of, or exposure to, contaminated blood or blood products
			V	Vectorborne - Acquired via the bite or sting of an insect or mosquito
			F	Foodborne - Acquired via the ingestion of contaminated food
			S	Sexually transmitted - Aquired via sexual intercourse
			Z	Zoonotic - Acquired via direct or indirect contact with zoonotic species harboring the disease causing agent
			N	Nosocomial - Acquired in a inpatient or outpatient health care facility
			Me	Mechanical - Acquired via intentional or unintentional injection, puncture, lacerasion or mechanical injury to the skin
			De	Dermal - Acquired via absorption by direct contact with the skin
			In	Indeterminate - Unable to determine the method of transmission
			W	Waterborne - Acquired via the ingestion of or contact with contaminated water

REF_TYPE

Class Name	Attribute Name	Domain	Code	Print Name/Description
Referral	cd	HL7 v3 ActCode (CWE)		

REF_STS

Class Name	Attribute Name	Domain	Code	Print Name/Description
Referral	status_cd	HL7 v3ActStatus (CNE)	Active	Service object is active.
			Aborted	Active service object is exceptionally terminated.
			Cancelled	Service object has been abandoned before activation.
			Held	Service object is on hold so it cannot be activated before it is released.

			New	Service object is in preparation awaiting to be activated.
			Suspended	Active service object is temporarily suspended.
			Nullified	Service object should not have been instantiated, and is therefore nullified.
			Obsolete	Service object has been superceded by a new service object.

RL_TYPE

Class Name	Attribute Name	Domain	Code	Print Name/Description
Role	cd	RoleCode (CWE)	Codes to be defined	
Role	scoping_role_cd			

RL_CLS

Class Name	Attribute Name	Domain	Code	Print Name/Description
Role	class_cd	RoleClass (CNE)	Codes to be defined	

RL_STS

Class Name	Attribute Name	Domain	Code	Print Name/Description
Role	status_cd	RoleStatus (CNE)	Codes to be defined	

SUB_FORM

Class Name	Attribute Name	Domain	Code	Print Name/Description
Substance_administration	form_cd	(CWE)	Codes to be defined	

SUB_RTE

Class Name	Attribute Name	Domain	Code	Print Name/Description
Substance_administration	route_cd	Med AdministrationRoute(CWE)	Codes to be defined	

TL_CNTRY

Class Name	Attribute Name	Domain	Code	Print Name/Description
Tele_locator	cntry_cd	(CNE)	Codes to be defined	

WK_TYPE

Class Name	Attribute Name	Domain	Code	Print Name/Description
Workup	cd	ActCode (CWE)	Codes to be defined	

WK_DIAG

Class Name	Attribute Name	Domain	Code	Print Name/Description
Workup	diagnosis_cd	(CWE)	Codes to be defined	

WK_DISP

Class Name	Attribute Name	Domain	Code	Print Name/Description
Workup	disposition_cd	(CWE)	Codes to be defined	

WK_STS

Class Name	Attribute Name	Domain	Code	Print Name/Description
Workup	status_cd	HL7 v3 ActStatus (CNE)	Active	Service object is active.
			Aborted	Active service object is exceptionally terminated.
			Cancelled	Service object has been abandoned before activation.
			Held	Service object is on hold so it cannot be activated before it is released.
			New	Service object is in preparation awaiting to be activated.
			Suspended	Active service object is temporarily suspended.
			Nullified	Service object should not have been instantiated, and is therefore nullified.
			Obsolete	Service object has been superceded by a new service object.

2.3   Locally-Defined Reference Code Tables

JURISDIC

Class Name	Attribute Name	Domain	Code	Print Name/Description
Public_health_case	jurisdiction_cd		SING	Single jurisdiction
Observation	jurisdiction_cd		CNTY	Multi-county

		ST	Multi-state
		NATL	Multi-national

Appendix B

1. Standardized Vocabulary

This section will contain some of reference tables from the standardized vocabulary domains.

1.1   Unit Codes - ISO 2955-83

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 × 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 or Other Events 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$0 (pressure)
cm_h20.s/L	Centimeters H$_2$0 / (liter / second) = (centimeters H$_2$0 × second) / liter (e.g., mean pulmonary resistance)
cm_h20/(s.m)	(Centimeters H$_2$0 / second) / meter = centimeters H$_2$0 / (second × meter) (e.g., pulmonary pressure time product)
(cfu)	*Colony Forming Units
m3/s	Cubic meter per second

Code/Abbr.	Name
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
g/d	*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/m2	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).m2)	(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

Code/Abbr.	Name
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/m3	Kilogram per cubic meter
kh/h	Kilogram per hour
kg/L	Kilogram / liter
kg/min	Kilogram per minute
kg/mol	Kilogram / mole
kg/s	Kilogram / second
kg/(s.m2)	(Kilogram / second)/ meter^2 = kilogram / (second $\times$ 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.m2)	(Liter / minute) / meter^2 = liter / (minute $\times$ 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 $\times$ second
lm	Lumen

Code/Abbr.	Name
lm/m2	Lumen / Meter^2
(mclg_u)	*MacLagan Units
mas	Megasecond
m	Meter
m2	Meter^2 (e.g., body surface area)
m/s	Meter / Second
m/s2	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
ug/(kg.d)	(Microgram / Kilogram) /Day = microgram / (kilogram × day) (e.g., mass dose of medication per patient body weight per day)
ug/(kg.hr)	(Microgram / Kilogram) / Hour = microgram / (kilogram × hours) (e.g., mass dose of medication per patient body weight per hour)
ug/(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)
ug/(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/m2	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)

Code/Abbr.	Name
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/m3	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/m2	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$0) (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)

Code/Abbr.	Name
mL/m2	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.m2)	(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/m2	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/m3	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)

Code/Abbr.	Name
ng/m2	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
/m3	*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
dm2/s2	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
m2/s	Square meter / second
cm2/s	Square centimeter / second

Code/Abbr.	Name
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	

1.2 Observation Method Codes (ObservationMethod (CWE))

Code	Display Text	Description
0001	Complement fixation	Complement fixation
0002	Computed axial tomography	Computed axial tomography
0003	HLAR agar test	Susceptibility, High Level Aminoglycoside Resistance agar test
0004	Macroscopic observation	Visual, Macroscopic observation
0005	Magnetic resonance	Computed, Magnetic resonance
0006	Morphometry	Computed, Morphometry
0007	Positron emission tomography	Computed, Positron emission tomography
0008	SAMHSA confirmation	SAMHSA drug assay confirmation
0009	SAMHSA screening	SAMHSA drug assay screening
0010	Serum Neutralization	Serum Neutralization
0011	Titration	Titration
0012	Ultrasound	Ultrasound
0013	X-ray crystallography	X-ray crystallography

Code	Display Text	Description
0014	Agglutination	Agglutination
0015	Buffered acidified plate agglutination	Agglutination, Buffered acidified plate
0016	Card agglutination	Agglutination, Card
0017	Hemagglutination	Agglutination, Hemagglutination
0018	Hemagglutination inhibition	Agglutination, Hemagglutination inhibition
0019	Latex agglutination	Agglutination, Latex
0020	Plate agglutination	Agglutination, Plate
0021	Rapid agglutination	Agglutination, Rapid Plate
0022	RBC agglutination	Agglutination, RBC
0023	Rivanol agglutination	Agglutination, Rivanol
0024	Tube agglutination	Agglutination, Tube
0025	Bioassay	Bioassay
0026	Animal Inoculation	Bioassay, Animal Inoculation
0027	Cytotoxicity	Bioassay, Cytotoxicity
0028	Embryo infective dose 50	Bioassay, Embryo Infective Dose 50
0029	Embryo lethal dose 50	Bioassay, Embryo Lethal Dose 50
0030	Mouse intercerebral inoculation	Bioassay, Mouse intercerebral inoculation
0031	Bioassay, qualitative	Bioassay, qualitative
0032	Bioassay, quantitative	Bioassay, quantitative

Code	Display Text	Description
0033	Chemical method	Chemical
0034	Differential light absorption chemical test	Chemical, Differential light absorption
0035	Dipstick	Chemical, Dipstick
0036	Dipstick colorimetric laboratory test	Chemical, Dipstick colorimetric laboratory test
0037	Test strip	Chemical, Test strip
0038	Chromatography	Chromatography
0039	Affinity chromatography	Chromatography, Affinity
0040	Gas liquid chromatography	Chromatography, Gas liquid
0041	High performance liquid chromatography	Chromatography, High performance liquid
0042	Liquid Chromatography	Chromatography, Liquid
0043	Protein A affinity chromatography	Chromatography, Protein A affinity
0044	Coagulation	Coagulation
0045	Tilt tube coagulation time	Coagulation, Tilt tube
0046	Tilt tube reptilase induced coagulation	Coagulation, Tilt tube reptilase induced
0047	Automated count	Count, Automated
0048	Manual cell count	Count, Manual
0049	Platelet count, Rees-Ecker	Count, Platelet, Rees-Ecker
0050	Aerobic Culture	Culture, Aerobic

Code	Display Text	Description
0051	Anaerobic Culture	Culture, Anaerobic
0052	Chicken embryo culture	Culture, Chicken Embryo
0053	Delayed secondary enrichment	Culture, Delayed secondary enrichment
0054	Microaerophilic Culture	Culture, Microaerophilic
0055	Quantitative microbial culture, cup	Culture, Quantitative microbial, cup
0056	Quantitative microbial culture, droplet	Culture, Quantitative microbial, droplet
0057	Quantitative microbial culture, filter paper	Culture, Quantitative microbial, filter paper
0058	Quantitative microbial culture, pad culture	Culture, Quantitative microbial, pad
0059	Quantitative microbial culture, pour plate	Culture, Quantitative microbial, pour plate
0060	Quantitative microbial culture, surface streak	Culture, Quantitative microbial, surface streak
0061	Somatic Cell culture	Culture, Somatic Cell
0062	Agar diffusion	Diffusion, Agar
0063	Agar Gel Immunodiffusion	Diffusion, Agar Gel Immunodiffusion
0064	Electrophoresis	Electrophoresis
0065	Agaorse gel electrophoresis	Electrophoresis, Agaorse gel
0066	Electrophoresis, citrate agar	Electrophoresis, citrate agar

Code	Display Text	Description
	agar	
0067	Immunoelectrophoresis	Electrophoresis, Immuno
0068	Polyacrylamide gel electrophoresis	Electrophoresis, Polyacrylamide gel
0069	Starch gel electrophoresis	Electrophoresis, Starch gel
0070	ELISA	ELISA
0071	ELISA, antigen capture	ELISA, antigen capture
0072	ELISA, avidin biotin peroxidase complex	ELISA, avidin biotin peroxidase complex
0073	Kinetic ELISA	ELISA, Kinetic
0074	ELISA, peroxidase-antiperoxidase	ELISA, peroxidase-antiperoxidase
0075	API 20 Strep	Identification, API 20 Strep
0076	API 20A	Identification, API 20A
0077	API 20C AUX	Identification, API 20C AUX
0078	API 20E	Identification, API 20E
0079	API 20NE	Identification, API 20NE
0080	API 50 CH	Identification, API 50 CH
0081	API An-IDENT	Identification, API An-IDENT
0082	API Coryne	Identification, API Coryne
0083	API Rapid 20E	Identification, API Rapid 20E
0084	API Staph	Identification, API Staph
0085	API ZYM	Identification, API ZYM
0086	Bacterial identification	Identification, Bacterial

Code	Display Text	Description
0087	mini VIDAS	Identification, mini VIDAS
0088	Phage susceptibility typing	Identification, Phage susceptibility typing
0089	Quad-FERM+	Identification, Quad-FERM+
0090	RAPIDEC Staph	Identification, RAPIDEC Staph
0091	Staphaurex	Identification, Staphaurex
0092	VIDAS	Identification, VIDAS
0093	Vitek	Identification, Vitek
0094	VITEK 2	Identification, VITEK 2
0095	Immune stain	Immune stain
0096	Immunofluorescent antibody, direct	Immune stain, Immunofluorescent antibody, direct
0097	Immunofluorescent antibody, indirect	Immune stain, Immunofluorescent antibody, indirect
0098	Immunoperoxidase, Avidin-Biotin Complex	Immune stain, Immunoperoxidase, Avidin-Biotin Complex
0099	Immunoperoxidase, Peroxidase anti-peroxidase compl	Immune stain, Immunoperoxidase, Peroxidase anti-peroxidase complex
0100	Immunoperoxidase, Protein A-peroxidase complex	Immune stain, Immunoperoxidase, Protein A-peroxidase complex
0101	Immunoassay	Immunoassay

Code	Display Text	Description
0102	Immunoassay, qualitative, multiple step	Immunoassay, qualitative, multiple step
0103	Immunoassay, qualitative, single step	Immunoassay, qualitative, single step
0104	Radioimmunoassay	Immunoassay, Radioimmunoassay
0105	Immunoassay, semi-quantitative, multiple step	Immunoassay, semi-quantitative, multiple step
0106	Immunoassay, semi-quantitative, single step	Immunoassay, semi-quantitative, single step
0107	Microscopy	Microscopy
0108	Darkfield microscopy	Microscopy, Darkfield
0109	Electron microscopy	Microscopy, Electron
0110	Electron microscopy tomography	Microscopy, Electron microscopy tomography
0111	Electron microscopy, negative stain	Microscopy, Electron, negative stain
0112	Electron microscopy, thick section	Microscopy, Electron, thick section transmission
0113	Electron microscopy, thin section	Microscopy, Electron, thin section transmission
0114	Microscopy, Light	Microscopy, Light
0115	Polarizing light microscopy	Microscopy, Polarized light
0116	Scanning electron microscopy	Microscopy, Scanning electron
0117	Transmission electron microscopy	Microscopy, Transmission electron

Code	Display Text	Description
0118	Transparent tape direct examination	Microscopy, Transparent tape direct examination
0119	3 Self-Sustaining Sequence Replication	Molecular, 3 Self-Sustaining Sequence Replication
0120	Branched Chain DNA	Molecular, Branched Chain DNA
0121	Hybridization Protection Assay	Molecular, Hybridization Protection Assay
0122	Immune blot	Molecular, Immune blot
0123	In-situ hybridization	Molecular, In-situ hybridization
0124	Ligase Chain Reaction	Molecular, Ligase Chain Reaction
0125	Ligation Activated Transcription	Molecular, Ligation Activated Transcription
0126	Nucleic Acid Probe	Molecular, Nucleic Acid Probe
0127	Nucleic acid probe	Molecular, Nucleic acid probe
0128	Nucleic acid probe with amplification	Molecular, Nucleic acid probe with amplification
0129	Nucleic acid probe with target amplification	Molecular, Nucleic acid probe with target amplification
0130	Nucleic acid reverse transcription	Molecular, Nucleic acid reverse transcription

Code	Display Text	Description
0131	Nucleic Acid Sequence Based Analysis	Molecular, Nucleic Acid Sequence Based Analysis
0132	Polymerase chain reaction	Molecular, Polymerase chain reaction
0133	Q-Beta Replicase or probe amplification category m	Molecular, Q-Beta Replicase or probe amplification category method
0134	Restriction Fragment Length Polymorphism	Molecular, Restriction Fragment Length Polymorphism
0135	Southern Blot	Molecular, Southern Blot
0136	Strand Displacement Amplification	Molecular, Strand Displacement Amplification
0137	Transcription Mediated Amplification	Molecular, Transcription Mediated Amplification
0138	Western Blot	Molecular, Western Blot
0139	Flocculation	Precipitation, Flocculation
0140	Immune precipitation	Precipitation, Immune precipitation
0141	Milk ring test	Precipitation, Milk ring test
0142	Precipitin	Precipitation, Precipitin
0143	Acid fast stain	Stain, Acid fast
0144	Acid fast stain, fluorochrome	Stain, Acid fast, fluorochrome

Code	Display Text	Description
0145	Acid fast stain, Kinyoun's cold carbolfuchsin	Stain, Acid fast, Kinyoun's cold carbolfuchsin
0146	Acid fast stain, Ziehl-Neelsen	Stain, Acid fast, Ziehl-Neelsen
0147	Acid phosphatase stain	Stain, Acid phosphatase
0148	Acridine orange stain	Stain, Acridine orange
0149	Active brilliant orange KH stain	Stain, Active brilliant orange KH
0150	Alazarin red S stain	Stain, Alazarin red S
0151	Alcian blue stain	Stain, Alcian blue
0152	Alcian blue with Periodic acid Schiff stain	Stain, Alcian blue with Periodic acid Schiff
0153	Argentaffin stain	Stain, Argentaffin
0154	Argentaffin silver stain	Stain, Argentaffin silver
0155	Azure-eosin stain	Stain, Azure-eosin
0156	Basic Fuschin stain	Stain, Basic Fuschin
0157	Bennhold stain	Stain, Bennhold
0158	Bennhold's Congo red stain	Stain, Bennhold's Congo red
0159	Bielschowsky stain	Stain, Bielschowsky
0160	Bielschowsky's silver stain	Stain, Bielschowsky's silver
0161	Bleach stain	Stain, Bleach
0162	Bodian stain	Stain, Bodian
0163	Brown-Brenn stain	Stain, Brown-Brenn

Code	Display Text	Description
0164	Butyrate-esterase stain	Stain, Butyrate-esterase
0165	Calcofluor white fluorescent stain	Stain, Calcofluor white fluorescent
0166	Carbol-fuchsin stain	Stain, Carbol-fuchsin
0167	Carmine stain	Stain, Carmine
0168	Churukian-Schenk stain	Stain, Churukian-Schenk
0169	Congo red stain	Stain, Congo red
0170	Cresyl echt violet stain	Stain, Cresyl echt violet
0171	Crystal violet stain	Stain, Crystal violet
0172	De Galantha stain	Stain, De Galantha
0173	Dieterle silver impregnation stain	Stain, Dieterle silver impregnation
0174	Fite-Farco stain	Stain, Fite-Farco
0175	Fontana-Masson silver stain	Stain, Fontana-Masson silver
0176	Fouchet stain	Stain, Fouchet
0177	Gomori stain	Stain, Gomori
0178	Gomori methenamine silver stain	Stain, Gomori methenamine silver
0179	Gomori-Wheatly trichrome stain	Stain, Gomori-Wheatly trichrome
0180	Gridley stain	Stain, Gridley
0181	Grimelius silver stain	Stain, Grimelius silver
0182	Grocott stain	Stain, Grocott
0183	Grocott methenamine silver stain	Stain, Grocott methenamine silver

Code	Display Text	Description
0184	Hale's colloidal ferric oxide stain	Stain, Hale's colloidal ferric oxide
0185	Hale's colloidal iron stain	Stain, Hale's colloidal iron
0186	Hansel stain	Stain, Hansel
0187	Harris regressive hematoxylin and eosin stain	Stain, Harris regressive hematoxylin and eosin
0188	Hematoxylin and eosin stain	Stain, Hematoxylin and eosin
0189	Highman stain	Stain, Highman
0190	Holzer stain	Stain, Holzer
0191	Iron hematoxylin stain	Stain, Iron hematoxylin
0192	Jones stain	Stain, Jones
0193	Jones methenamine silver stain	Stain, Jones methenamine silver
0194	Kossa stain	Stain, Kossa
0195	Lawson-Van Gieson stain	Stain, Lawson-Van Gieson
0196	Loeffler methylene blue stain	Stain, Loeffler methylene blue
0197	Luxol fast blue with cresyl violet stain	Stain, Luxol fast blue with cresyl violet
0198	Luxol fast blue with Periodic acid-Schiff stain	Stain, Luxol fast blue with Periodic acid-Schiff
0199	MacNeal's tetrachrome blood stain	Stain, MacNeal's tetrachrome blood
0200	Mallory-Heidenhain stain	Stain, Mallory-Heidenhain
0201	Masson trichrome stain	Stain, Masson trichrome
0202	Mayer mucicarmine stain	Stain, Mayer mucicarmine

Code	Display Text	Description
0203	Mayers progressive hematoxylin and eosin stain	Stain, Mayers progressive hematoxylin and eosin
0204	May-Grunwald Giemsa stain	Stain, May-Grunwald Giemsa
0205	Methyl green stain	Stain, Methyl green
0206	Methyl green pyronin stain	Stain, Methyl green pyronin
0207	Modified Gomori-Wheatly trichrome stain	Stain, Modified Gomori-Wheatly trichrome
0208	Modified Masson trichrome stain	Stain, Modified Masson trichrome
0209	Modified trichrome stain	Stain, Modified trichrome
0210	Movat pentachrome stain	Stain, Movat pentachrome
0211	Mucicarmine stain	Stain, Mucicarmine
0212	Neutral red stain	Stain, Neutral red
0213	Night blue stain	Stain, Night blue
0214	Non-specific esterase stain	Stain, Non-specific esterase
0215	Oil red-O stain	Stain, Oil red-O
0216	Orcein stain	Stain, Orcein
0217	Perls' stain	Stain, Perls'
0218	Phosphotungstic acid-hematoxylin stain	Stain, Phosphotungstic acid-hematoxylin
0219	Potassium ferrocyanide stain	Stain, Potassium ferrocyanide

Code	Display Text	Description
0220	Prussian blue stain	Stain, Prussian blue
0221	Putchler modified Bennhold stain	Stain, Putchler modified Bennhold
0222	Quinacrine fluorescent stain	Stain, Quinacrine fluorescent
0223	Reticulin stain	Stain, Reticulin
0224	Rhodamine stain	Stain, Rhodamine
0225	Safranin stain	Stain, Safranin
0226	Schmorl stain	Stain, Schmorl
0227	Seiver-Munger stain	Stain, Seiver-Munger
0228	Silver stain	Stain, Silver
0229	Specific esterase stain	Stain, Specific esterase
0230	Steiner silver stain	Stain, Steiner silver
0231	Sudan III stain	Stain, Sudan III
0232	Sudan IVI stain	Stain, Sudan IVI
0233	Sulfated alcian blue stain	Stain, Sulfated alcian blue
0234	Supravital stain	Stain, Supravital
0235	Thioflavine-S stain	Stain, Thioflavine-S
0236	Three micron Giemsa stain	Stain, Three micron Giemsa
0237	Vassar-Culling stain	Stain, Vassar-Culling
0238	Vital Stain	Stain, Vital
0239	von Kossa stain	Stain, von Kossa
0240	Antibiotic sensitivity, disk	Susceptibility, Antibiotic sensitivity, disk

Code	Display Text	Description
0241	BACTEC susceptibility test	Susceptibility, BACTEC susceptibility test
0242	Disk dilution	Susceptibility, Disk dilution
0243	Minimum bactericidal concentration test, macrodilu	Susceptibility, Minimum bactericidal concentration, macrodilution
0244	Minimum bactericidal concentration test, microdilu	Susceptibility, Minimum bactericidal concentration, microdilution
0245	Minimum Inhibitory Concentration, macrodilution	Susceptibility, Minimum Inhibitory concentration, macrodilution
0246	Minimum Inhibitory Concentration, microdilution	Susceptibility, Minimum Inhibitory concentration, microdilution
0247	Turbidometric	Turbidometric
0248	Refractometric	Turbidometric, Refractometric
0249	Thin layer chromatography (TLC)	Chromatography, Thin Layer
0250	EMIT	Immunoassay, enzyme-multiplied technique (EMIT)
0251	Flow cytometry (FC)	Flow Cytometry
0252	Radial immunodiffusion (RID)	Radial Immunodiffusion
0253	Fluorescence polarization immunoassay (FPIA)	Immunoassay, Fluorescence Polarization

Code	Display Text	Description
0254	Immunofixation electrophoresis (IFE)	Electrophoresis, Immunofixation
0255	Equilibrium dialysis	Dialysis, Direct Equilibrium
0256	Kleihauer-Betke acid elution	Acid Elution, Kleihauer-Betke Method
0257	Anti-complement immunofluorescence (ACIF)	Immunofluorescence, Anti-Complement
0258	GC/MS	Gas Chromatography/Mass Spectroscopy
0259	Nephelometry	Light Scatter, Nephelometry
0260	IgE immunoassay antibody	Immunoassay, IgE Antibody Test
0261	Lymphocyte Microcytotoxicity Assay	Lymphocyte Microcytotoxicity Assay
0262	Spectrophotometry	Spectrophotometry
0263	Atomic absorption spectrophotometry (AAS)	Spectrophotometry, Atomic Absorption
0264	Ion selective electrode (ISE)	Electrochemical, Ion Selective Electrode
0265	Gas chromatography (GC)	Chromatography, Gas
0266	Isoelectric focusing (IEF)	Isoelectric Focusing
0267	Immunochemiluminescence	Immunoassay, Chemiluminescent
0268	Microparticle enzyme immunoassay (MEIA)	Immunoassay, Microparticle Enzyme

Code	Display Text	Description
0269	ICP/MS	Inductively-Coupled Plasma/Mass Spectrometry
0270	Immunoradiometric assay (IRMA)	Immunoassay, Immunoradiometric Assay
0271	Photo optical clot detection	Coagulation, Photo Optical Clot Detection

1.3　Role Class Codes (CNE)

Code	Display	Description Text
AGNT	Agent	An entity that acts or is authorized to act on behalf of another entity.
CNTRTPRTY	Contract party	Relates a person or organization bound by a contract to the person or organization responsible for the contract.
CON	ContactRole	A person or an organization which provides or receives information regarding another entity. Examples; patient NOK and emergency contacts; guarantor contact; employer contact.
GUAR	GuarantorRole	Corresponds to the Guarantor class
SGNOFF	Signing authority or officer	The role of a person who is the officer or signature authority for of a scooping entity, usually an organization.
		An abstract domain that encompasses the roles involved in submitting, responding to and managing invoices or claims for health care coverage.

Code	Display	Description Text
PAYEE	Payee	The role of an organization or individual designated to receive payment for a claim against a particular coverage. The scoping entity is the organization that is the submitter of the invoice in question.
PAYOR	Invoice payor	The role of an organization that undertakes to accept claims invoices, assess the coverage or payments due for those invoices and pay to the designated payees for those invoices. This role may be either the underwriter or a third-party organization authorized by the underwriter. The scoping entity is the organization that underwrites the claimed coverage.
		An abstract domain that encompasses the roles that arise in the context of providing, purchasing, and managing health care coverage and insurance.

Code	Display	Description Text
COVPTY	Covered party	A role class played by a person who receives benefit coverage under the terms of a particular insurance policy. The underwriter of that policy is the scoping entity. The covered party receives coverage because of some contractual or other relationship with the holder of that policy. This reason for coverage is captured in 'Role.cd' and a relationship link with type code of indirect authority should be included using the policy holder role as the source, and the covered party role as the target. Note that a particular policy may cover several individuals one of whom may be, but need not be, the policy holder. Thus the notion of covered party is a role that is distinct from that of the policy holder.
POLHOLD	Policy holder	A role played by an entity, usually an individual who holds an insurance policy. The underwriter of that policy is the scoping entity. Equivalent terms are policy owner and subscriber. The identifier of the policy is captured in 'Role.id' when the Role is a policy holder. A particular policy may cover several individuals one of whom may be, but need not be, the policy holder. Thus the notion of covered party is a role that is distinct from that of the policy holder.

Code	Display	Description Text
SPNSR	Sponsor	A role played by an entity, usually an organization that is the sponsor of an insurance plan. The underwriter of that plan is the scoping entity. Examples include the case where a particular corporation may sponsor a plan for its employees, but the individual policies are a contractual obligation between the employees and the underwriter. In general, the role of the sponsor is to negotiate and establish the terms of the plan and to qualify individuals who may become policy holders under the plan.
UNDWRT	Underwriter	A role played by an organization that underwrites or accepts fiscal responsibility for insurance plans and the policies created under those plans.
PET	Pet	The player of the role is a Pet scoped by its owner.
CHILD	Child	The player of the roleis a child of the scoping entity, in a generic sense.
CHLDADOPT	Adopted child	
CHLDFOST	Foster child	
CHLDINLAW	Child in-law	
STPCHLD	Step child	
EMP	EmployeeRole	
MIL	Military person	

Code	Display	Description Text
PRAC	Practitioner	
ASSIGNED	AssignedPractitionerRole	Practitioner scoped by the organization to which they are assigned.
CERT	CertifiedPractitionerRole	Practitioner scoped by a certifying authority
NURPRAC	Nurse practitioner	
NURS	Nurse	
PA	Physician assistant	
PHYS	Physician	
QUALPRAC	QualifiedPractitionerRole	An individual qualified to provide medical services.
CIT	Citizen	Citizen of apolitical entity
NOT	Notary Public	
SIB	Sibling	
STD	Student	A role played by an individual who is a student of an school, which is the scoping entity.l
WARD	Ward	Ward of a guardian
PAT	PatientRole	Scoped by a provider
MANU	ManufacturedProductRole	Scoped by the manufacturer
THER	Therapeutic agent	
PART	has part	Relates a whole to its parts. A part may be an ingredient that is not separable from the whole, or a discrete part that may be identified separately and may, in principle, be disassembled

Code	Display	Description Text
		from the part.
INGR	has ingredient	Relates a component to a mixture. E.g., Glucose and Water are ingredients of D5W, latex may be an ingredient in a tracheal tube.
ADTV	has additive	An ingredient that is added to a base, that amounts to a minor part of the overall mixture.
COLR	has color	A substance influencing the optical aspect of material.
FLVR	has flavor	A substance added to a mixture to make it taste a certain way. In food the use is obvious, in pharmaceuticals flavors can hide disgusting taste of the active ingredient (important in pediatric treatments.)
PRSV	has preservative	A substance added to a mixture to prevent microorganisms (fungi, bacteria) to spoil the mixture.
STBL	has stabilizer	A stabilizer is a substance added to a mixture in order to prevent the molecular disintegration of the main substance.
ACTI	has active ingredient	A therapeutically active ingredient in a mixture, where the mixture is typically a manufactured pharmaceutical.

Code	Display	Description Text
BASE	has base	A base ingredient is what comprises the major part. E.g., Water in most i.v. solutions, or Vaseline in salves. Among all ingredients of a material, there should be only one base. A base substance that in turn be a mixture, e.g. base: 500 ml bottle D5W, additive: KCl 20 mmol.
PRSN	has presence	Relates any material to a location at which it is present in some way. This presence may be limited in time.
DEPO	has depot	Relates a material (e.g. a device) to a location at which it is normally found or stored when not used.
GEN	has generalization	Relates a specialized material concept to its generalization.
GRIC	has generic	A special link between pharmaceuticals indicating that the target is a generic for the source.
CONT	has content	Relates a material as the content to a container. Unlike ingredients, the content and a container remain separate (not mixed) and the content can be removed from the container. A content is not part of an empty container.
INST	instantiates	An individual piece of material instantiating a class of material.
DST	distributor	Someone distributing material between a manufacturer and a buyer or retailer.
RET	retailer	Someone selling a material, also giving advice to prospective buyers.

Code	Display	Description Text
PRN	parent	One of the two direct ancestors of a living subject.
FTH	father	The male parent of a human fetus, in case a fetus is not considered a person.
MTH	mother	The female parent of a human fetus, in case a fetus is not considered a person.
HLD	holder	Someone who is currently in possession of the material, who holds, or uses it, usually based on some agreement with the owner.
MAN	manufacturer	Someone bringing a specific material instance into existence, or, if the material is not a specific instance, someone capable of doing so.
MNT	maintainer	A person in charge of the maintenance of a material (typically of durable equipment.) Assumes respponsibility for proper operation, quality, and safety.
OWN	owner	Someone to whom law grants the right to call a material his own, which entitles him to make decisions about the disposition of that material.
TRN	trainer	Of a companion animal, someone who is training the animal on behalf of the animal's owner.
TRP	transporter	Someone in transient possession of a material for the purpose of relocating it.
BIRTHPL	Birthplace	
CITY	City or town	
COUNTRY	Country	

Code	Display	Description Text
COUNTY	County or Parish	
HCFAC	Health care facility	A facility that is authorized to house the provision of health care services.l
JUR	Jurisdiction	
SCHOOL	School	
STATE	State or province	
SPEC	SpecimenRole	
ALQT	Aliquot	A portion of an original or source specimen used for testing or transportation
ACCESS	AccessRole	
HLTHCHRT	HealthChartRole	
IDENT	IdentifiedEntityRole	This is the role in which an entity with its Role identifier is bound to the assigning authority for that identifier.
MBR	MemberRole	A role played by an entity that is a member of a group. The group provides the scope for this role.
PROV	HealthCareProviderRole	An Entity that is authorized to provide health care services.
RESP	ResponsiblePartyRole	A party that accepts responsibility for the scoping party.
SCHED	schedulable resource	A resource that can be scheduled. Scoped by the scheduling entity.
SLOT	resource slot	Role of an entity or resource that holds a schedule slot. Scoped by the slot controller.
STAK	StakeholderRole	An entity that holds a stake in the entity that scopes the role.

1.4   Person Race Modifiers (CWE)

Category	Code	Description

Category	Code	Description
S: RaceAsian (2028-9)	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
S: RaceBlackOrAfricanAmerican (2054-5)	2054-5	Black or African American
S: RaceAfricanAmericanAfrican (2060-2)	2060-2	African
	2061-0	Botswanan
	2062-8	Ethiopian
	2063-6	Liberian
	2064-4	Namibian
	2065-1	Nigerian
	2066-9	Zairean
	2056-0	Black
	2058-6	African American
	2067-7	Bahamian

Category	Code	Description
	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
S: RaceHawaiianOrPacificIsland (2076-8)	2076-8	Native Hawaiian or Other Pacific Islander
S: RacePacificIslandMelanesian (2100-6)	2100-6	Melanesian
	2101-4	Fijian
	2102-2	Papua New Guinean
	2103-0	Solomon Islander
	2104-8	New Hebrides
S: RacePacificIslandMicronesian (2085-9)	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
S: RacePacificIslandPolynesian (2078-4)	2078-4	Polynesian
	2079-2	Native Hawaiian
	2080-0	Samoan
	2081-8	Tahitian

Category	Code	Description
	2082-6	Tongan
	2083-4	Tokelauan
	2500-7	Other Pacific Islander
S: RaceNativeAmerican (1002-5)	1002-5	American Indian or Alaska Native
S: RaceAlaskanNative (1735-0)	1735-0	Alaska Native
S: RaceAlaskanIndian (1737-6)	1737-6	Alaska Indian
S: RaceAlaskanIndianAthabascan (1739-2)	1739-2	Alaskan Athabascan
	1740-0	Ahtna
S: RaceSoutheastAlaskanIndian (1811-9)	1811-9	Southeast Alaska
S: RaceSoutheastAlaskanIndianTlingit (1813-5)	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

Category	Code	Description
	1829-1	Petersburg
	1830-9	Saxman
	1831-7	Sitka
	1832-5	Tenakee Springs
	1833-3	Tlingit
	1834-1	Wrangell
	1835-8	Yakutat
S: RaceSoutheastAlaskanIndianTsimshian (1837-4)	1837-4	Tsimshian
	1838-2	Metlakatla
S: RaceAlaskanNativeAleut (1966-1)	1966-1	Aleut
S: RaceAlaskanNativeAleutAlutiiq (1968-7)	1968-7	Alutiiq Aleut
	1969-5	Tatitlek
	1970-3	Ugashik
S: RaceAlaskanNativeAleutChugach (1984-4)	1984-4	Chugach Aleut
	1985-1	Chenega
	1986-9	Chugach Corporation
	1987-7	English Bay
	1988-5	Port Graham
S: RaceAlaskanNativeAleutKoniag (1992-7)	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
S: RaceAlaskanNativeAleutUnangan (2006-5)	2006-5	Unangan Aleut
	2007-3	Akutan
	2008-1	Aleut Corporation

Category	Code	Description
	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
	1990-1	Eyak
	2002-4	Sugpiaq
	2004-0	Suqpigaq
	1840-8	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 Diomede

Category	Code	Description
	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
S: RaceAlaskanNativeSiberianEskimo (1891-1)	1891-1	Siberian Eskimo
	1892-9	Gambell
	1893-7	Savoonga
	1894-5	Siberian Yupik
S: RaceAlaskanNativeYupikEskimo (1896-0)	1896-0	Yupik Eskimo
	1897-8	Akiachak

Category	Code	Description
	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

Category	Code	Description
	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
	1842-4	Greenland Eskimo
S: RaceAmericanIndian (1004-1)	1004-1	American Indian
S: RaceAmericanIndianApache (1010-8)	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

Category	Code	Description
	1017-3	Payson Apache
	1018-1	San Carlos Apache
	1019-9	White Mountain Apache
S: RaceAmericanIndianArapaho (1021-5)	1021-5	Arapaho
	1022-3	Northern Arapaho
	1023-1	Southern Arapaho
	1024-9	Wind River Arapaho
S: RaceAmericanIndianAssiniboineSioux (1030-6)	1030-6	Assiniboine Sioux
	1031-4	Fort Peck Assiniboine Sioux
S: RaceAmericanIndianCaddo (1041-3)	1041-3	Caddo
	1042-1	Oklahoma Cado
S: RaceAmericanIndianCahuilla (1044-7)	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
S: RaceAmericanIndianCalifornia (1053-8)	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

Category	Code	Description
	1063-7	Takelma
	1064-5	Wappo
	1065-2	Yana
	1066-0	Yuki
S: RaceAmericanIndianChemakuan (1082-7)	1082-7	Chemakuan
	1083-5	Hoh
	1084-3	Quileute
S: RaceAmericanIndianCherokee (1088-4)	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
S: RaceAmericanIndianCheyenne (1102-3)	1102-3	Cheyenne
	1103-1	Northern Cheyenne
S: RaceAmericanIndianChickahominy (1108-0)	1108-0	Chickahominy
	1109-8	Eastern Chickahominy
	1110-6	Western Chickahominy
S: RaceAmericanIndianChinook (1114-8)	1114-8	Chinook
	1115-5	Clatsop
	1116-3	Columbia River Chinook
	1117-1	Kathlamet

Category	Code	Description
	1118-9	Upper Chinook
	1119-7	Wakiakum Chinook
	1120-5	Willapa Chinook
	1121-3	Wishram
S: RaceAmericanIndianChippewa (1123-9)	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
S: RaceAmericanIndianChippewaCree (1150-2)	1150-2	Chippewa Cree
	1151-0	Rocky Boy's Chippewa Cree
S:	1155-1	Choctaw

Category	Code	Description
RaceAmericanIndianChoctaw (1155-1)		
	1156-9	Clifton Choctaw
	1157-7	Jena Choctaw
	1158-5	Mississippi Choctaw
	1159-3	Mowa Band of Choctaw
	1160-1	Oklahoma Choctaw
S: RaceAmericanIndianChumash (1162-7)	1162-7	Chumash
	1163-5	Santa Ynez
S: RaceAmericanIndianComanche (1175-9)	1175-9	Comanche
	1176-7	Oklahoma Comanche
S: RaceAmericanIndianCoushatta (1186-6)	1186-6	Coushatta
	1187-4	Alabama Coushatta
S: RaceAmericanIndianCreek (1193-2)	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
S: RaceAmericanIndianCupeno (1211-2)	1211-2	Cupeno

Category	Code	Description
	1212-0	Agua Caliente
S: RaceAmericanIndianDelaware (1214-6)	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
S: RaceAmericanIndianDiegueno (1222-9)	1222-9	Diegueno
	1223-7	Campo
	1224-5	Capitan Grande
	1225-2	Cuyapaipe
	1226-0	La Posta
	1227-8	Manzanita
	1228-6	Mesa Grande
	1229-4	San Pasqual
	1230-2	Santa Ysabel
	1231-0	Sycuan
S: RaceAmericanIndianEasternTribes (1233-6)	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

Category	Code	Description
S: RaceAmericanIndianGrosVentres (1264-1)	1264-1	Gros Ventres
	1265-8	Atsina
S: RaceAmericanIndianHoopa (1271-6)	1271-6	Hoopa
	1272-4	Trinity
	1273-2	Whilkut
S: RaceAmericanIndianIowa (1281-5)	1281-5	Iowa
	1282-3	Iowa of Kansas-Nebraska
	1283-1	Iowa of Oklahoma
S: RaceAmericanIndianIroquois (1285-6)	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
S: RaceAmericanIndianKickapoo (1305-2)	1305-2	Kickapoo
	1306-0	Oklahoma Kickapoo
	1307-8	Texas Kickapoo
S: RaceAmericanIndianKiowa (1309-4)	1309-4	Kiowa
	1310-2	Oklahoma Kiowa
S: RaceAmericanIndianKlallam (1312-8)	1312-8	Klallam
	1313-6	Jamestown

Category	Code	Description
	1314-4	Lower Elwha
	1315-1	Port Gamble Klallam
S: RaceAmericanIndianLongIsland (1325-0)	1325-0	Long Island
	1326-8	Matinecock
	1327-6	Montauk
	1328-4	Poospatuck
	1329-2	Setauket
S: RaceAmericanIndianLuiseno (1331-8)	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
S: RaceAmericanIndianMaidu (1344-1)	1344-1	Maidu
	1345-8	Mountain Maidu
	1346-6	Nishinam
S: RaceAmericanIndianMiami (1358-1)	1358-1	Miami
	1359-9	Illinois Miami
	1360-7	Indiana Miami
	1361-5	Oklahoma Miami
S: RaceAmericanIndianMicmac (1365-6)	1365-6	Micmac
	1366-4	Aroostook
S: RaceAmericanIndianNavajo (1382-1)	1382-1	Navajo
	1383-9	Alamo Navajo
	1384-7	Canoncito Navajo
	1385-4	Ramah Navajo
S:	1391-2	Northwest Tribes

Category	Code	Description
RaceAmericanIndianNorthwestTribes (1391-2)		
	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
S: RaceAmericanIndianOttawa (1411-8)	1411-8	Ottawa
	1412-6	Burt Lake Ottawa
	1413-4	Michigan Ottawa
	1414-2	Oklahoma Ottawa
S: RaceAmericanIndianPaiute (1416-7)	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

Category	Code	Description
	1435-7	Utu Utu Gwaitu Paiute
	1436-5	Walker River
	1437-3	Yerington Paiute
S: RaceAmericanIndianPassamaquoddy (1441-5)	1441-5	Passamaquoddy
	1442-3	Indian Township
	1443-1	Pleasant Point Passamaquoddy
S: RaceAmericanIndianPawnee (1445-6)	1445-6	Pawnee
	1446-4	Oklahoma Pawnee
S: RaceAmericanIndianPeoria (1450-6)	1450-6	Peoria
	1451-4	Oklahoma Peoria
S: RaceAmericanIndianPequot (1453-0)	1453-0	Pequot
	1454-8	Marshantucket Pequot
S: RaceAmericanIndianPima (1456-3)	1456-3	Pima
	1457-1	Gila River Pima-Maricopa
	1458-9	Salt River Pima-Maricopa
S: RaceAmericanIndianPomo (1464-7)	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
S: RaceAmericanIndianPonca	1474-6	Ponca

Category	Code	Description
(1474-6)		
	1475-3	Nebraska Ponca
	1476-1	Oklahoma Ponca
S: RaceAmericanIndianPotawatomi (1478-7)	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
S: RaceAmericanIndianPueblo (1489-4)	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

Category	Code	Description
	1513-1	Tewa
	1514-9	Tigua
	1515-6	Zia
	1516-4	Zuni
S: RaceAmericanIndianPugetSoundSalish (1518-0)	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
S: RaceAmericanIndianSacFox (1551-1)	1551-1	Sac and Fox
	1552-9	Iowa Sac and Fox
	1553-7	Missouri Sac and Fox
	1554-5	Oklahoma Sac and Fox
S: RaceAmericanIndianSeminole (1566-9)	1566-9	Seminole
	1567-7	Big Cypress
	1568-5	Brighton
	1569-3	Florida Seminole

Category	Code	Description
	1570-1	Hollywood Seminole
	1571-9	Oklahoma Seminole
S: RaceAmericanIndianSerrano (1573-5)	1573-5	Serrano
	1574-3	San Manual
S: RaceAmericanIndianShawnee (1578-4)	1578-4	Shawnee
L: (1579-2)	1579-2	Absentee Shawnee
	1580-0	Eastern Shawnee
S: RaceAmericanIndianShoshone (1586-7)	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
S: RaceAmericanIndianShoshone Paiute (1602-2)	1602-2	Shoshone Paiute
	1603-0	Duck Valley
	1604-8	Fallon
	1605-5	Fort McDermitt
S: RaceAmericanIndianSioux (1609-7)	1609-7	Sioux
	1610-5	Blackfoot Sioux
	1611-3	Brule Sioux
	1612-1	Cheyenne River Sioux

Category	Code	Description
	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
S: RaceAmericanIndianTohonoOOdham (1653-5)	1653-5	Tohono O'Odham
	1654-3	Ak-Chin
	1655-0	Gila Bend
	1656-8	San Xavier
	1657-6	Sells
S: RaceAmericanIndianUmpqua (1667-5)	1667-5	Umpqua
	1668-3	Cow Creek Umpqua

Category	Code	Description
S: RaceAmericanIndianUte (1670-9)	1670-9	Ute
	1671-7	Allen Canyon
	1672-5	Uintah Ute
	1673-3	Ute Mountain Ute
S: RaceAmericanIndianWampanoag (1679-0)	1679-0	Wampanoag
	1680-8	Gay Head Wampanoag
	1681-6	Mashpee Wampanoag
S: RaceAmericanIndianWashoe (1687-3)	1687-3	Washoe
	1688-1	Alpine
	1689-9	Carson
	1690-7	Dresslerville
S: RaceAmericanIndianWinnebago (1696-4)	1696-4	Winnebago
	1697-2	Ho-chunk
	1698-0	Nebraska Winnebago
S: RaceAmericanIndianYuman (1724-4)	1724-4	Yuman
	1725-1	Cocopah
	1726-9	Havasupai
	1727-7	Hualapai
	1728-5	Maricopa
	1729-3	Mohave
	1730-1	Quechan
	1731-9	Yavapai
S: RaceAmericanIndianYurok (1732-7)	1732-7	Yurok
	1733-5	Coast Yurok
	1068-6	Canadian and Latin American Indian
	1069-4	Canadian Indian
	1070-2	Central American Indian
	1071-0	French American

Category	Code	Description
		Indian
	1072-8	Mexican American Indian
	1073-6	South American Indian
	1006-6	Abenaki
	1008-2	Algonquian
	1026-4	Arikara
	1028-0	Assiniboine
	1033-0	Bannock
	1035-5	Blackfeet
	1037-1	Brotherton
	1039-7	Burt Lake Band
	1074-4	Spanish American Indian
	1076-9	Catawba
	1078-5	Cayuse
	1080-1	Chehalis
	1086-8	Chemehuevi
	1100-7	Cherokee Shawnee
	1106-4	Cheyenne-Arapaho
	1112-2	Chickasaw
	1153-6	Chitimacha
	1165-0	Clear Lake
	1167-6	Coeur D'Alene
	1169-2	Coharie
	1171-8	Colorado River
	1173-4	Colville
	1178-3	Coos, Lower Umpqua, Siuslaw
	1180-9	Coos
	1182-5	Coquilles
	1184-1	Costanoan
	1189-0	Cowlitz
	1191-6	Cree
	1207-0	Croatan
	1209-6	Crow
	1250-0	Esselen
	1252-6	Fort Belknap
	1254-2	Fort Berthold
	1256-7	Fort Mcdowell

Category	Code	Description
	1258-3	Fort Hall
	1260-9	Gabrieleno
	1262-5	Grand Ronde
	1267-4	Haliwa
	1269-0	Hidatsa
	1275-7	Hoopa Extension
	1277-3	Houma
	1279-9	Inaja-Cosmit
	1297-1	Juaneno
	1299-7	Kalispel
	1301-1	Karuk
	1303-7	Kaw
	1317-7	Klamath
	1319-3	Konkow
	1321-9	Kootenai
	1323-5	Lassik
	1340-9	Lumbee
	1342-5	Lummi
	1348-2	Makah
	1350-8	Maliseet
	1352-4	Mandan
	1354-0	Mattaponi
	1356-5	Menominee
	1363-1	Miccosukee
	1368-0	Mission Indians
	1370-6	Miwok
	1372-2	Modoc
	1374-8	Mohegan
	1376-3	Mono
	1378-9	Nanticoke
	1380-5	Narragansett
	1387-0	Nez Perce
	1389-6	Nomalaki
	1403-5	Omaha
	1405-0	Oregon Athabaskan
	1407-6	Osage
	1409-2	Otoe-Missouria
	1439-9	Pamunkey
	1448-0	Penobscot
	1460-5	Piscataway

Category	Code	Description
	1462-1	Pit River
	1487-8	Powhatan
	1541-2	Quapaw
	1543-8	Quinault
	1545-3	Rappahannock
	1547-9	Reno-Sparks
	1549-5	Round Valley
	1556-0	Salinan
	1558-6	Salish
	1560-2	Salish and Kootenai
	1562-8	Schaghticoke
	1564-4	Scott Valley
	1576-8	Shasta
	1582-6	Shinnecock
	1584-2	Shoalwater Bay
	1607-1	Siletz
	1643-6	Siuslaw
	1645-1	Spokane
	1647-7	Stewart
	1649-3	Stockbridge
	1651-9	Susanville
	1659-2	Tolowa
	1661-8	Tonkawa
	1663-4	Tygh
	1665-9	Umatilla
	1675-8	Wailaki
	1677-4	Walla-Walla
	1683-2	Warm Springs
	1685-7	Wascopum
	1692-3	Wichita
	1694-9	Wind River
	1700-4	Winnemucca
	1702-0	Wintun
	1704-6	Wiyot
	1707-9	Yakama
	1709-5	Yakama Cowlitz
	1711-1	Yaqui
	1715-2	Yavapai Apache
	1717-8	Yokuts
	1722-8	Yuchi

Category	Code	Description
S: RaceWhite (2106-3)	2106-3	White
S: RaceWhiteArab (2129-5)	2129-5	Arab
S: RaceWhiteEuropean (2108-9)	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
S: RaceWhiteMiddleEast (2118-8)	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	Israeili
	2131-1	Other Race