

Intranet addresses have been removed from this document.
Intranet links are available on the Intranet version of this
publication. For more information, please go to VIREC's
Redaction Information web page:
<http://www.virec.research.va.gov/References/Redactions.htm>

VIREC Research User Guide:

FY2004

VHA Medical SAS[®]

Outpatient Datasets



VA Information Resource Center
Health Services Research & Development
Service
Edward J. Hines, Jr. VA Hospital
(151V)
Building 1, Room C303
5th Avenue and Roosevelt Road
P.O. Box 5000
Hines, IL 60141

VIReC Research User Guide: FY2004 VHA Medical SAS® Outpatient Datasets

Veterans Affairs Information Resource Center

Edward J. Hines, Jr. VA Hospital (151V)

Hines, IL

August 2005

Revised March 2007 (p.65)

Contents

I. Introduction	5
Using the Guide	5
What's New	6
Methods for Updating the User Guide.....	7
Acknowledgements.....	8
Suggested Citation	8
Contact Information	8
II. Overview of the FY2004 VHA Medical SAS Outpatient Datasets.....	9
Background.....	9
Visit Dataset.....	9
Event Dataset	10
Other Outpatient Datasets	10
Dataset Closeouts.....	11
Datasets Produced Quarterly.....	11
Datasets Kept Open for Revision.....	11
III. Variables and Their Dataset Locations.....	13
IV. Variable One-Page Descriptions	17
V. Works Cited.....	77
Appendix A: Values for Selected Variables.....	79
Appendix B: Austin Automation Center Information	121
Requesting Access to the Datasets.....	121
Batch Job Service Level Categories	121
JCL Example.....	122
Other Sources of Information	122
AAC Contact Information.....	123

(This page is intentionally left blank.)

I. Introduction

VIREC Research User Guide: FY2004 VHA Medical SAS[®] Outpatient Datasets* was produced by the Veterans Affairs Information Resource Center (VIREC), a national resource center of the Health Services Research and Development Service (HSR&D), U.S. Department of Veterans Affairs (VA). This edition of the guide describes the Fiscal Year (FY) 2004 Medical SAS Datasets for outpatient care in the Veterans Health Administration (VHA). VIREC issues this guide to assist health services researchers and other users of these data in understanding the availability and definitions of the stored variables within the datasets.

The first edition by VIREC of a research user guide to VHA outpatient care data was issued in March 2000 and described the FY1999 Medical SAS Datasets.¹ A companion guide to VHA inpatient care data was issued in March 2000 as well,² and updated guides and select variable frequencies have been produced since then.³⁻⁸ The VIREC research user guides grew from the work by Martha Beattie, Ph.D., Ralph W. Swindle, Ph.D., Lynn A. Tomko, B.A., and other authors of the five-volume *Department of Veterans Affairs Database Resources Guide*, an effort that was supported by the VA Health Services Research and Development Service through the Service Directed Research project #91-009 awarded to Ralph Swindle.

Using the Guide

This guide is divided into the four main sections listed below. Additional documents are included as appendices.

- [Overview of the FY2004 Medical SAS Outpatient Datasets](#). Chapter II provides a brief description of each of the current datasets, including naming conventions, sort order, and observation (record) and variable counts.
- [Variables & Their Dataset Locations](#). Chapter III is a table of all variables in the FY2004 Outpatient Datasets indicating in which datasets each variable occurs.
- [Variable One-Page Descriptions](#). Chapter IV presents a one-page description for each variable in the datasets for this fiscal year. The description includes a table with the following information, when applicable.

* SAS[®] is a registered trademark of the SAS Institute, Inc.

Data Type:	This indicates if the variable is numeric or character.
Print Format:	This is the name of the print format, if there is one. The print format name is from the Format Library for the file. Date variables have SAS-defined print formats. Instructions for downloading a SAS format library to be used with the Medical SAS Datasets can be found at http://www.virec.research.va.gov/References/FAQs.htm .
Label:	This is the label for the variable as it appears in the Medical SAS dataset.
Datasets / Fiscal Years:	This indicates the Medical SAS Datasets and Fiscal Years where the variable occurs.
VistA Data Source:	This is the file and field where data for the variable originate in the VA's decentralized clinical database, known as VistA (Veterans Health Information Systems and Technology Architecture). In VistA, files are identified by both a number and a name (e.g., "PTF [45] file"), while fields are identified by name (e.g., "Type of disposition field"). VistA comprises many software applications which utilize more than 1,940 files that include more than 44,960 data fields. Detailed information about the VistA applications is available at the VistA Document Library (http://www.va.gov/vdl). An issue of <i>VIREC Insights</i> (Vol. 3, No. 1) on VistA is available at the VIREC Web site (http://www.virec.research.va.gov/insights.htm).

Where applicable, and where space allows, a second table lists the values that the variable can assume with a description of each value. In cases where the possible values exceed the space available, this table is in [Appendix A](#). For selected variables, the reader is given a reference source to obtain the possible values and their descriptions.

- [Works Cited](#). Chapter V lists publications referred to earlier in the guide.

What's New

Some important changes have been made to the FY2003 and FY2004 Medical SAS Outpatient Datasets.

To be compliant with the new federal standards on the collection and reporting of race values (see [Statistical Policy Directive No. 15](#)), the FY2004 outpatient datasets now contain new race/ethnicity variables [RACE1 – RACE7](#) (Race values with collection method) and [ETHNIC](#) (Ethnicity with collection method). Under the new standards, self-

identification is now the preferred method of data collection, multiracial identification is allowed, and race and ethnicity are separately collected and recorded.

In 2002, Congress mandated that all combat veterans are eligible for up to two years of medical care from the VA immediately after they are discharged from their service (see [VHA Directive 2002-049](#)). Three new variables in the FY2004 Outpatient Datasets are created to indicate care provided under this mandate: [COMBAT](#) (Combat veteran eligibility indicator), [COMBAT CARE](#) (Indicator of whether the care provided was related to the combat veteran status), and [COMBAT DT](#) (Last day of patient combat eligibility).

From FY2003, the Outpatient Datasets now include records for care provided to patients without an appropriate Means Test score. Before FY2003, records of VA patients without a valid Means Test score were blocked from entering into the Medical SAS Datasets. These patients' records are included and coded with a value of "U" on the [MEANS](#) variable from FY2003 Medical SAS Datasets.

Methods for Updating the User Guide

VIREC uses numerous sources of information to update this guide. Official records of changes to the Medical SAS Datasets are maintained by the Austin Automation Center (AAC) in a section of its National Patient Care Database (NPCD) Customer Web site. This audit trail, which tracks changes to the inpatient and outpatient databases and to the SAS datasets, is on the VA Intranet. (Users can request the site address from VIREC via e-mail to virec@med.va.gov.) Notices of changes are often announced by AAC and NPCD staff on the HSRData listserv, an e-mail group that includes researchers, policy makers, and information managers. Information about HSRData is available on the VIREC Web site at http://www.virec.research.va.gov/Support/HSRData-L_Listserv.htm.

In preparing the guide for FY2002 data, VIREC was able to check the VistA data source for many variables against tables being developed by the National Data Systems (NDS) division of the VHA Office of Information's Health Data and Informatics Program. We continue to check this information as the NDS proceeds with its work, and any changes to the information in this guide will be reflected in future editions.

Editorial changes to the guide were made by VIREC staff in response to specific user requests and in a general effort to improve the readability and usefulness of the guide. In this respect, questions submitted to the VIREC Help Desk were reviewed to identify issues that need clarification or expansion. Issues discussed on HSRData were considered as well. Finally, our own experience as users of the Medical SAS datasets also prompted us to modify content and style of the information included here.

An early draft of the guide was reviewed for accuracy and clarity by an *ad hoc* group of individuals who are data stewards, data managers, and end users. The invaluable contribution of the reviewers this year is acknowledged in the following section.

Acknowledgements

The Veterans Affairs Information Resource Center (VIReC) is supported by Health Services Research and Development (HSR&D) Service Grant SDR 98-004.

This guide is the product of many people's efforts, experiences, and insights. The contributing authors at VIReC included Denise M. Hynes, Patricia A. Murphy, Min-Woong Sohn, and Tracy Mohr.

We gratefully acknowledge reviews of this guide by Karen Austin, MPH, Center for Practice Management and Outcomes Research, Ann Arbor, MI; Deborah Saunders, MA, Deep South Center on Effectiveness, Birmingham, AL; Cornelia Dellenbaugh, MPH, TREP & Geriatric Research, Education, and Clinical Center, Bronx, NY; Diane Cowper, Ph.D., Rehabilitation Outcomes Research Center, Gainesville, FL; and Mark Smith, Ph.D., Health Economics Resource Center, Palo Alto, CA. They provided valuable comments and suggestions that we used to improve the guide.

VIReC accepts responsibility for any deficiencies in the current guide and welcomes suggestions for improving this resource to better meet the needs of research users.

Suggested Citation

VIReC Research User Guide: FY2004 VHA Medical SAS® Outpatient Datasets. Edward J. Hines, Jr. VA Hospital, Hines, IL: Veterans Affairs Information Resource Center, August 2005.

Contact Information

Denise M. Hynes, R.N., MPH, Ph.D.

Director

Denise.Hynes@va.gov

Tracy Mohr, M.S.

Health Information Analyst

Tracy.Mohr@va.gov

Veterans Affairs Information Resource Center
Edward Hines, Jr. VA Hospital (151V)
Hines, IL 60141

Phone: (708) 202-2413

Fax: (708) 202-2415

II. Overview of the FY2004 VHA Medical SAS Outpatient Datasets

Background

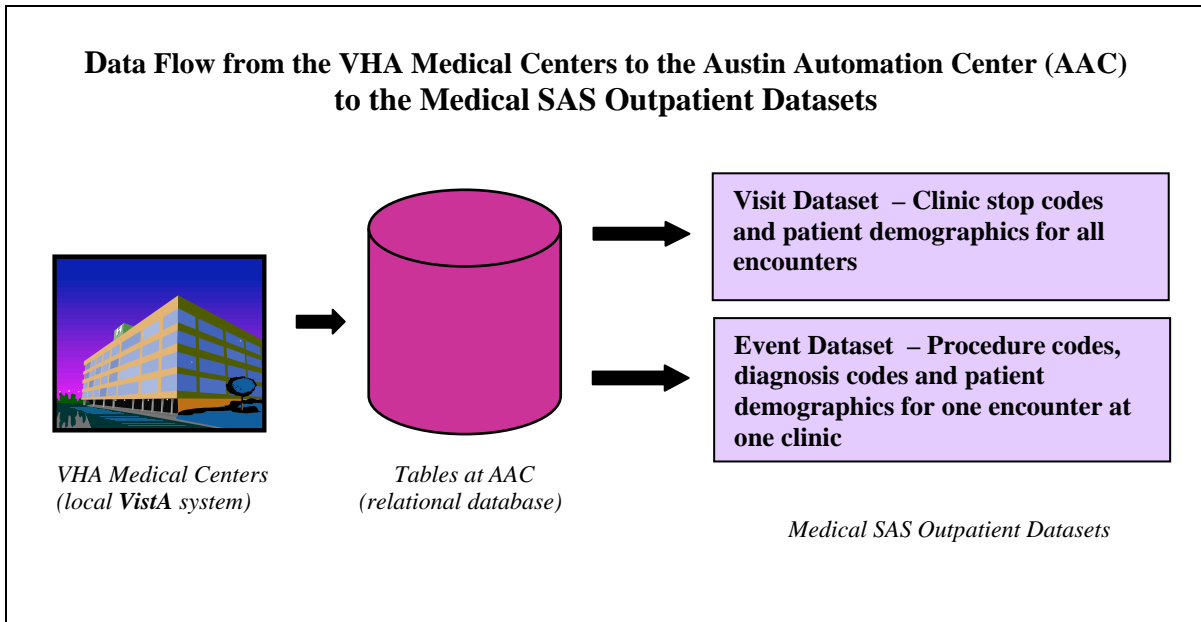
The health care utilization information for outpatient care is recorded by staff members in VHA treatment facilities across the United States and Puerto Rico through use of a uniform set of coding instructions, software, and data files. The treatment facility databases that initially hold these data are known as the local VistA (Veterans Health Information Systems and Technologies Architecture) systems. The data are electronically transferred to the Austin Automation Center (AAC) in Austin, Texas, which is the central repository for VHA national databases. The AAC staff formats and outputs these data in SAS datasets that are available to users who have appropriate access clearance. Further information about the VHA Medical SAS Datasets has been published electronically.⁹

The Medical SAS Outpatient Datasets is the collective term for the datasets that contain the VHA's ambulatory care data. Encounter information is transmitted to the AAC nightly where it is held in a queue. Twice a month the public SAS datasets are updated using these queued data. For reimbursement purposes sites are instructed to closeout and transmit encounters for the previous month no later than the first full week of the current month. However, Austin will accept re-transmitted encounter data until the datasets are frozen. Twice a year the datasets are frozen, in April and October. The April update freezes the datasets for records between October and March. The October update freezes the dataset for records between April and October. The AAC, at its own discretion, has allowed the field to re-transmit all of the fiscal year data at the end of the fiscal year in order to maintain accurate information.

As illustrated in the following figure, there are currently two Medical SAS Outpatient Datasets produced for FY2004 that are referred to as the "Visit" and "Event" datasets.

Visit Dataset

The Visit dataset provides information about a day's outpatient care encounters. The name of the FY2004 Medical SAS Outpatient Visit dataset is **MDPPRD.MDP.SAS.SF04**, containing 49,966,268 observations with 59 variables. The sort order is by the variables [SCRSSN](#) (Scrambled Social Security Number) and [VIZDAY](#) (Date of Visit). The dataset originated in FY1980. A record contains up to 15 clinic stops for the day's care. For a listing of variables contained in this dataset, see [Section III, Variables and Their Dataset Locations](#).



Event Dataset

The Event dataset provides information about each encounter (clinic stop) during a day's outpatient care, identifying the specific location of encounters with the VA station suffix as well as the parent station 3-digit code. The name of the FY2004 Medical SAS Outpatient Event dataset is **MDPPRD.MDP.SAS.SE04**, and it contains 72,380,831 observations with 92 variables. The sort order is by the variables [SCRSSN](#) (Scrambled Social Security Number), [VIZDAY](#) (Date of visit), and [CL](#) (Primary clinic stop code). The dataset originated in FY1997. There is one observation (record) per outpatient encounter, with no limit on the number of clinic stops reported. **Note: The Visit and Event datasets will not agree on clinic stop volumes.** For a listing of variables contained in this dataset, see [Section III, Variables and Their Dataset Locations](#).

Other Outpatient Datasets

Procedure Dataset. This dataset, which contains CPT-4¹⁰ outpatient procedure information, has not been generated since FY2001. All of the variables contained in this dataset can be found in the Event dataset. For a detailed description on this dataset, refer to previous fiscal years' resource guides.

Diagnosis Dataset. This dataset, which contains outpatient ICD-9-CM¹¹ diagnosis information, has not been generated since FY2001. All of the variables contained in this dataset can be found in the Event dataset. For a detailed description on this dataset, please refer to previous fiscal years' resource guides.

Dataset Closeouts

Most research users of the Medical SAS Datasets utilize the datasets of fiscal year data. The annual datasets are accumulated or constructed over time, as noted below. Throughout a given fiscal year, the data in the Medical SAS Datasets change as edits, updates, and additional record entries are performed at the transmitting medical center. The policy for transmission of data states that the previous month's encounters will be completely forwarded to the AAC by the 19th of the current month. This policy, sometimes called the reimbursement closeout because of its association with cost recovery deadlines, does not mean that data are not transmitted after this period. The AAC will accept inpatient information until its fiscal year closeout on October 19. In order to maintain accurate records, the AAC, at its own discretion, has allowed the field to re-submit all of the fiscal year data at the end of the fiscal year. For the research user, when to extract data will depend on the specific use of the data, but in general, researchers are advised to use the annual datasets.

Datasets Produced Quarterly

Each of the datasets is produced in smaller subsets that are stored on a quarterly basis during the current fiscal year. These datasets are in turn rolled-up into annual datasets after the close of the fiscal year. The naming convention for these datasets is the dataset name followed by QTR n (where n is the number of the fiscal quarter).

Datasets Kept Open for Revision

In FY2001, it was determined that a new set of "revised" Medical SAS datasets be created that would allow for continued updates after the traditional closeout period ends. These datasets can receive updates for approximately two years after the regular closeout period. A major factor behind this decision was to allow for complete workload capture that was traditionally lost due to late submission after closeout. The names of the "revised" set of datasets are essentially the same as the traditional ones, with the word "REVISED" added to it (i.e. MDPPRD.MDP.SAS.REVISED.SF04).

(This page is intentionally left blank.)

III. Variables and Their Dataset Locations

Name	Definition	Visit	Event	Page
AGE	Patient age in years at the time of visit	X	X	18
AGOIND	Indicates whether the healthcare encounter was related to exposure to Agent Orange	X	X	19
AGOLOC	Indicates where the Agent Orange exposure occurred	X	X	20
AG8R	Categorical recoding of AGE (Patient age in years at the time of visit) into 9 groupings	X	X	21
APPTYP	Codes for VA appointment types for scheduling outpatient encounters		X	22
CL	Primary clinic stop code		X	23
CL1-CL15	1 st – 15 th primary clinic stop codes	X		24
CLC	Secondary clinic stop code		X	25
COMBAT	Combat veteran eligibility indicator	X		26
COMBAT_CARE	Indicates that health care provided during admission was primarily related to an injury or illness related to service in a combat zone		X	27
COMBAT_DT	Last day of patient combat eligibility	X		28
CPT1-CPT15	Services and procedures performed by a provider recorded in Current Procedural Terminology (CPT-4) ambulatory procedure codes		X	29
DOB	Date of patient's birth	X	X	30
DXF2-DXF10	Secondary ICD-9-CM diagnostic codes for the visit		X	31
DXLSF	Primary ICD-9-CM diagnosis code for this encounter		X	32
ELIG	Indicates veteran and non-veteran eligibility codes	X	X	33
ENCOUNTER_ID	Unique VHA encounter identification number		X	34
ENV	Indicates whether care received was due to exposure to some type of environmental hazard		X	35
ETHNIC	Ethnicity with collection method	X	X	36
HOMECNTY	County of patient's residence	X	X	37
HOMEPSA	VHA medical center that identifies the patient's home residence	X	X	38

Name	Definition	Visit	Event	Page
HOMEVISN	Veterans Integrated Service Network (VISN) associated with the veteran's primary service area	X	X	39
HOMLESS	Indicates the homeless status of the veteran		X	40
HOMSTATE	State associated with the patient's residence	X	X	41
INCOME	Calculation of the patient's reported income	X		42
INS	Indicates the type of insurance coverage	X		43
LOCVIZ	Indicates the type of setting where the health encounter occurred		X	44
MARITAL	Marital status of the patient	X	X	45
MEANS	Means Test Indicator Code	X	X	46
MULTI	Indicator that the patient had an encounter at the parent station or another community-based outpatient clinic assigned to the parent station with the same stop code as this encounter		X	47
NCODES	Number of CPT-4 procedure codes (CPT1–CPT15) populated within the record		X	48
NDIAG	Number of ICD-9-CM diagnosis codes (DXLSF, DXF2–DXF10) populated within the record		X	49
NODEPS	Number of dependents for eligible veterans	X		50
NPROV	Number of provider type variables (PROV1–PROV10) populated within the record		X	51
NPROVID	Number of provider identification code variables (PROVID1–PROVID10) populated within the record		X	52
NSTOPS	Number of clinic stop variables (CL1–CL15) populated within the record	X		53
NTRENC	Indicates whether there was treatment given for nasopharyngeal radium irradiation treatment exposure		X	54
NTRIND	Indicates whether the patient claimed nasopharyngeal radium irradiation treatment during active military service	X		55
POS	Military period in which the veteran served	X		56
POV	Code for the purpose of the healthcare visit	X	X	57
POW	Indicator of whether the patient was a prisoner of war	X		58
POWLOC	Indicator of the period of service and/or location in which the veteran was a prisoner of war	X		59
PROV1–PROV10	1 st – 10 th codes for the category of provider		X	60
PROVID1–PROVID10	1 st – 10 th healthcare provider identification codes associated with this event		X	61

Name	Definition	Visit	Event	Page
<u>PS</u>	Recategorization of the POS (Military period in which the veteran served in) variable	X		62
<u>PSEUDO</u>	Pseudo-SSN indicator	X	X	63
<u>RACE</u>	Race or national origin	X	X	64
<u>RACE1 – RACE7</u>	Race with collection method	X	X	65
<u>RAD</u>	Exposure to Ionizing Radiation through nuclear testing or in Japan	X	X	66
<u>RELIG</u>	Religious preference	X		67
<u>SCCI</u>	Indicator of whether the condition being treated is service-connected		X	68
<u>SCRSSN</u>	Scrambled Social Security Number	X	X	69
<u>SEX</u>	Sex of patient	X	X	70
<u>STA3N</u>	Parent station identifier	X	X	71
<u>STA5A</u>	Five-digit numeric identifier of the VA facility where care was provided	X	X	72
<u>SVCPCT</u>	Patient's percentage (from 0 to 100) of service-connected disability	X	X	73
<u>VISN</u>	Veterans Integrated Service Network	X	X	74
<u>VIZDAY</u>	Date of the outpatient health care encounter	X	X	75
<u>ZIP</u>	Zip code	X	X	76

(This page intentionally left blank)

IV. Variable One-Page Descriptions

(Variable description pages begin on the next page.)

Variable Name: **AGE**

Definition: Patient age in years at the time of visit

Remarks: This variable is calculated from **DOB** (Date of patient's birth) and **VIZDAY** (Date of the outpatient health care encounter). Note that prior to FY1996, year of birth rather than date of birth was used for **AGE** calculation.

Data Type	Numeric
Print Format	None
Label	AGE
Datasets / Fiscal Years	Visit / 1980 – To Date Event / 1997 – To Date
VistA Data Source	Patient (2) file, DATE OF BIRTH field Outpatient (409.68) Encounter file, ADMIT DATE field

Variable Name: **AGOIND**

Definition: Indicates whether the healthcare encounter was related to exposure to Agent Orange

Remarks: For frequency counts of the values for this variable, see the accompanying [VIReC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Character
Print Format	\$XXYN.
Label	AGENT ORANGE INDICATOR
Datasets / Fiscal Years	Visit / 2002 – To Date Event / 2002 – To Date
VistA Data Source	Patient (2) file, EXPOSED TO AGENT ORANGE field

AGOIND can assume the following values:

Value	Description
0	Not exposed to Agent Orange
1	Exposed to Agent Orange

Variable Name: **AGOLOC**

Definition: Indicates where the Agent Orange exposure occurred

Remarks: For frequency counts of the values for this variable, see the accompanying [VIREC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets.](#)

Data Type	Character
Print Format	\$AGOLOC.
Label	AGENT ORANGE LOCATION
Datasets / Fiscal Years	Visit / 2002 – To Date Event / 2002 – To Date
VistA Data Source	Patient (2) file, AGENT ORANGE EXPOSURE LOCATION field

AGOLOC can assume the following values:

Value	Description
K	Korean Demilitarized Zone
U	Unknown
V	Vietnam Era

Variable Name: **AG8R**

Definition: Categorical recoding of **AGE** (Patient age in years at the time of visit) into 9 groupings

Remarks: Despite what the variable name implies, there are actually nine categories, due to the “95+” category which was added in FY1997. For frequency counts of the values for this variable, see the accompanying [VIReC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets.](#)

Data Type	Numeric
Print Format	AG9RL.
Label	Age Group (9 Groups)
Datasets / Fiscal Years	Visit / 1980 – To Date Event / 1997 – To Date
VistA Data Source	Patient (2) file, DATE OF BIRTH field Outpatient (409.68) Encounter file, ADMIT DATE field

AG8R can assume the following values:

Value	Description
1	Less than 25 years old
2	25 – 34 years old
3	35 – 44 years old
4	45 – 54 years old
5	55 – 64 years old
6	65 – 74 years old
7	75 – 84 years old
8	85 – 94 years old
9	95+ years old

Variable Name: **APPTYP**

Definition: Codes for VA appointment types for scheduling outpatient encounters

Remarks: Appointment type relates to the eligibility under which the patient is seen.

Data Type	Character
Print Format	\$XXAPPT.
Label	APPOINTMENT TYPE CODE
Datasets / Fiscal Years	Event / 1997 – To Date
Vista Data Source	Outpatient (409.68) file, ADMISSION TYPE field

APPTYP can assume the following values:

Value	Description
01	Compensation & Pension
02	Class II dental
03	Organ donors
04	Employee
05	Prima facia
06	Research
07	Collateral of Veteran
08	Sharing agreement
09	Regular

Variable Name: **CL**

Definition: Primary clinic stop code

Remarks: This represents the first three characters of the 6-character Decision Support System (DSS) Identifier VHA uses to characterize ambulatory care clinics. The last three characters of the DSS Identifier are captured in the [CLC](#) (Secondary clinic stop code) variable in the Event dataset. The DSS Identifiers are used to identify the production units or the revenue centers for outpatient care. For more information, see the [VHA Directive 2003-040](#). **CL** can assume the values shown in [Appendix A](#) on page 80. For frequency counts of the values for this variable, see the accompanying [VIReC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Numeric
Print Format	YCLINIC.
Label	PRIMARY CLINIC STOP
Datasets / Fiscal Years	Event / 1997 – To Date
VistA Data Source	Outpatient Encounter (409.68) file, CLINIC STOP CODE field (reference file is CLINIC STOP (40.7))

Variable Name: **CL1 – CL15**

Definition: 1st – 15th primary clinic stop codes

Remarks: These variables in the Visit dataset contain the same values captured in the [CL](#) (Primary clinic stop code) variable in the Event dataset. Up to 15 clinic stops are recorded per visit. Note that the Visit dataset does not contain secondary stop codes. **CL1 – CL15** can assume the values of [CL](#) shown in [Appendix A](#) on page 80.

Data Type	Numeric
Print Format	YCLINIC.
Label	CLINIC STOP NUMBER 1–15
Datasets / Fiscal Years	Visit / 1980 – To Date
VistA Data Source	Outpatient Encounter (409.68) file, STOP CODE field (reference file is CLINIC STOP (40.7))

Variable Name: **CLC**

Definition: Secondary clinic stop code

Remarks: This represents the last three characters of the Decision Support System (DSS) Identifier VHA uses to characterize ambulatory care clinics. The first three characters of the DSS Identifier are captured in the [CL](#) (Primary clinic stop code) variable found in the Event dataset. The secondary stop code serves as a modifier to further define the primary work group, and can represent (1) the type of services provided, (2) the type of provider or team, and (3) a specially funded program. For more information, users are referred to the [VHA Directive 2003-040](#). **CLC** can assume the values shown in [Appendix A](#) on page 80.

Data Type	Numeric
Print Format	YCLINIC.
Label	CREDIT CLINIC STOP
Datasets / Fiscal Years	Event / 1997 – To Date
VistA Data Source	Outpatient Encounter (409.68) file, last 3 digits of STOP CODE field (reference file is CLINIC STOP (40.7))

Variable Name: **COMBAT**

Definition: Combat veteran eligibility indicator

Remarks: This variable indicates whether or not a veteran was a “combat veteran” during his/her time in the service, as defined in [Title 38, U.S. Code, Section 1710\(e\)\(1\)\(D\)](#)—that is, whether the veteran served on active duty in a theater of combat operations during a period of war, after the Gulf War or in combat against a hostile force during a period of “hostilities” after November 11, 1998. Note that it does *not* indicate whether or not a veteran was ever actually in immediate physical danger due to battle (see [VHA Directive 2002-049](#), Combat Veterans are Eligible for Medical Services for 2-years After Separation from Military Service Notwithstanding Lack of Evidence for Service Connection).

In 2002, Congress mandated that all combat veterans are eligible for up to two years of medical care from the VA immediately after they are discharged from their service. There is no co-pay or means-test required, nor is proof needed that any illness is related to military service. National Guard and Army Reserve personnel who fulfill the criteria are also eligible.

This variable has been populated since June 10, 2004. For frequency counts of the values for this variable, see [VIREC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS® Datasets](#).

Data Type	Character
Print Format	\$XXYN.
Label	PATIENT COMBAT ELIGIBILITY INDICATOR
Datasets / Fiscal Years	Visit / FY2004 – To Date
VistA Data Source	Outpatient Classification File # 409.41, Combat Veteran added as entry #7

COMBAT can assume the following values:

Value	Description
0 or missing	Not a combat veteran
1	Combat veteran

Variable Name: **COMBAT_CARE**

Definition: Indicates that health care provided was primarily related to an injury or illness related to service in a combat zone.

Remarks: This variable has been populated since June 10, 2004.

Data Type	Character
SAS Format	\$XXYN.
Label	CARE RELATED TO COMBAT SERVICE CONDITION
Datasets/Fiscal Years	Event / 2004 – To Date
VistA Data Source	Event Capture Patient File #721 Combat Veteran, Field # 40, PCE Data Feed, Field # 30 (Combat Veteran is the 20 th piece separated by “”)

COMBAT_CARE can assume the following values:

Value	Description
Y	Encounter related to combat vet status
N or missing	Encounter not related to combat vet status

Variable Name: **COMBAT_DT**

Definition: Last day of patient combat eligibility

Remarks: Combat veterans identified by [COMBAT](#) (Combat veteran eligibility indicator) are eligible for up to two years of free treatment, regardless of other eligibility. This variable indicates the date that this eligibility expires. If [COMBAT](#) is missing or equals “0”, this variable is set to missing. The variable has been populated since June 10, 2004.

Data Type	Numeric
Print Format	DATE9.
Label	PATIENT COMBAT ELIGIBILITY END DATE
Datasets / Fiscal Years	Visit / FY2004 – To Date
VistA Data Source	Outpatient Classification File # 409.4, Combat Veteran added as entry #7

Variable Name: **CPT1 – CPT15**

Definition: Services and procedures performed by a provider recorded in Current Procedural Terminology (CPT–4) ambulatory procedure codes

Remarks: These codes refer to descriptive terms for reporting medical services and procedures performed by a provider for medical, surgical, and diagnostic procedures. Until FY1997, only five codes (CPT1–CPT5) were collected.

Data Type	Character
Print Format	None
Label	CPT CODES 1–15
Datasets / Fiscal Years	Event / 1997 – To Date
VistA Data Source	File 90000010.18, PROCEDURE CODE field

Variable Name: **DOB**

Definition: Date of patient's birth

Remarks: This variable was added in FY1997, even though it has always been a required field in VistA.

Data Type	Numeric (SAS Date)
Print Format	DATE9. (DDMMMYYYY)
Label	DATE OF BIRTH (SASDATE)
Datasets / Fiscal Years	Visit / 1997 – To Date Event / 1998 – To Date
VistA Data Source	Patient (2) file, DATE OF BIRTH field

Variable Name: **DXF2–DXF10**

Definition: Secondary ICD-9-CM diagnostic codes for the visit

Remarks: Most providers are documenting only the primary reason for the clinic encounter. Despite what the variable label suggests, the values for these variables are 5 characters wide and do not have an embedded dot after the first three digits.

Data Type	Character
Print Format	None
Label	2 ND —10 TH DX – FULL STAY (ICD9) (6-DIGIT)
Datasets / Fiscal Years	Event / 1997 – To Date
VistA Data Source	Outpatient Encounter (409.43), fields DIAGNOSIS CODE and DIAGNOSIS PRIORITY RANKING, reference file ICD DIAGNOSIS (80)

Variable Name: **DXLSF**

Definition: Primary ICD-9-CM diagnosis code for this encounter

Remarks: Diagnoses were not collected for encounters until FY1997. Despite what the variable label suggests, the values for these variables are 5-characters wide and do not have an embedded decimal after the first three digits.

Data Type	Character
Print Format	None
Label	PRIMARY DX STAY (ICD9) (6-DIGIT)
Datasets / Fiscal Years	Event / 1997 – To Date
VistA Data Source	Outpatient Encounter (409.43), fields DIAGNOSIS CODE and DIAGNOSIS PRIORITY RANKING, reference file ICD DIAGNOSIS (80)

Variable Name: **ELIG**

Definition: Indicates veteran and non-veteran eligibility codes

Remarks: Veteran eligibility categories are based on the degree of service-connected disability and degree of impairment. Non-veteran eligibility codes give the non-veteran service category. For more information on the eligibility categories, see <http://www.va.gov/elig/Eligibility.htm>. For frequency counts of the values for this variable, see the accompanying [VIREC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Numeric
Print Format	YELIG.
Label	ELIGIBILITY CODE
Datasets / Fiscal Years	Visit / 1980 – To Date, Event / 1997 – To Date
VistA Data Source	Outpatient Encounter (409.68) file, ELIGIBILITY CODE field, reference file ELIGIBILITY (8) CODE

ELIG can assume the following values:

Value	Description
-1	Purple Heart
0	Service-connected 0%
1	Service-connected 50% +
2	Aid and attendance - housebound
3	Service connected 40%
4	Not service-connected, pension
5	Not service connected
6	Domiciliary patient
7	Service-connected 30%
8	Service-connected 20%
9	Service-connected 10%
10	Catastrophically disabled
11	CHAMPVA
12	Collateral (pt. associated with veteran)
13	Employee
14	Other federal
15	Allied veteran
16	Humanitarian (non-vet emergency)
17	Sharing
18	Reimbursable Insurance
19	TRICARE / CHAMPUS

Variable Name: **ENCOUNTER_ID**

Definition: Unique VHA encounter identification number

Remarks: Beginning in FY2003, each event or encounter in the Event Dataset is uniquely identified by **ENCOUNTER_ID**. Previously, **SCRSSN** (Scrambled Social Security Number), **VIZDAY** (Date of the outpatient health care encounter), **STA5A** (Substation number), and **CL** (Primary clinic stop code) were used as the record identifier, but this combination does not uniquely define a particular outpatient visit, as a patient may visit a particular clinic stop at a given site two or more times on a given day. An example of a typical **ENCOUNTER_ID** is "G6V4-HUN". Use this variable to link the Event Dataset to the Health Economics Resource Center (HERC) Outpatient Average Cost File. For more information, see [HERC'S outpatient average cost dataset for VA care: Fiscal Years 2000 – 2003. 4th Edition](#).

Data Type	Character
Print Format	None
Label	UNIQUE VHA ENCOUNTER ID. PRIMARY KEY
Datasets / Fiscal Years	Event / 2003 – To Date
Vista Data Source	Not Applicable

Variable Name: **ENV**

Definition: Indicates whether care received was due to exposure to some type of environmental hazard

Remarks:

Data Type	Character
Print Format	None
Label	ENVIRONMENTAL INDICATOR
Datasets / Fiscal Years	Event / 1997 – To Date
VistA Data Source	Derived from Outpatient Classification, (409.42) file, OUTPATIENT CLASSIFICATION TYPE field

ENV can assume the following values:

Value	Description
1	Yes
2	No

Variable Name: **ETHNIC**

Definition: Ethnicity with collection method

Remarks: Beginning with FY2004, the VHA Medical SAS Outpatient Datasets include a new variable that identifies the Hispanic ethnicity of the patient collected in VistA in response to the U.S. Office of Management and Budget's revision of Statistical Policy Directive No. 15, [Race and Ethnic Standards for Federal Statistics and Administrative Reporting](#). The new variable is coded to indicate ethnicity as well as the method of data collection (e.g., Hispanic or Latino-Observer; non-Hispanic or Latino-Observer). **ETHNIC** can assume the values shown in [Appendix A](#) on page 90. For frequency counts of the values for this variable, see the accompanying [VIReC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

VIReC continues to investigate those instances where the ethnicity variable has the value "Unknown – Unknown by Patient." This accounts for fewer than 1% of all responses.

Data Type	CHARACTER
Print Format	\$ETHNIC.
Label	ETHNICITY
Datasets / Fiscal Years	Visit / 2004 – To Date Event / 2004 – To Date
VistA Data Source	Patient Information Sub-file (# 2.02) ETHNICITY INFORMATION field and METHOD OF COLLECTION field

Variable Name: **HOMECONTY**

Definition: County of patient's residence

Remarks: This is the state and county (or equivalent) code for the patient's home residence. If the patient resides in a domiciliary, that is considered the permanent residence for coding. This variable is based on the Federal Information Processing Standards (FIPS). It contains state code in the first two columns and county code, within the state, in the last three columns. State and county codes are available from the Census Bureau. For more information on the FIPS and a link to a complete list of county FIPS codes, go to <http://www.census.gov/geo/www/fips/fips.html>.

Data Type	Numeric
Print Format	COUNTYL.
Label	STATE/COUNTY OF RESIDENCE
Datasets / Fiscal Years	Visit / 1980 – To Date Event / 1997 – To Date
VistA Data Source	Reference file: STATE (5)

Variable Name: **HOMEPSA**

Definition: VHA medical center that identifies the patient's home residence

Remarks: This variable is considered antiquated, and should not be used. Rather, it has been recommended that primary service area be identified with the preferred facility indicator in the Enrollment Database (see VISN Support Service Center Web site on the VHA Intranet, [REDACTED]) and market areas be identified using the Planning System Support Group's Distributed Population Planning Base model ([REDACTED]), click on "Data" on the left sidebar and open a document entitled "VISN Market Areas Based Upon FY02 DPPB Methodology"). **HOMEPSA** can assume the values of [STA3N](#), which can be found in [Appendix A](#) on page 116.

Data Type	Numeric
Print Format	STA3NL.
Label	HOME PRIM. SVC AREA
Datasets / Fiscal Years	Visit / 1985 – To Date Event / 1998 – To Date
VistA Data Source	Station Number (389.9) file, STATION NUMBER field

Variable Name: **HOMEVISN**

Definition: Veterans Integrated Service Network (VISN) associated with the veteran's primary service area

Remarks: **HOMEVISN** assumes the values of [VISN](#). For frequency counts of the values for this variable, see the accompanying [VIReC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Numeric
Print Format	None
Label	VISN OF RESIDENCE
Datasets / Fiscal Years	Visit / 1995 – To Date Event / 1998 – To Date
VistA Data Source	Not applicable

Variable Name: **HOMLESS**

Definition: Indicates the homeless status of the veteran

Remarks: This variable is assigned through social work service.

Data Type	Character
Print Format	\$XXYN.
Label	HOMELESS CODE
Datasets / Fiscal Years	Event / 1997 – To Date
VistA Data Source	Social Work Case (650) file, HOMELESS INDICATOR field

HOMLESS can assume the following values:

Value	Description
1	Yes
2	No

Variable Name: **HOMSTATE**

Definition: State associated with the patient's residence

Remarks: **HOMSTATE** can assume the values shown in [Appendix A](#) on page 91. For frequency counts of the values for this variable, see the accompanying [VIReC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Numeric
Print Format	STATEL.
Label	STATE OF RESIDENCE
Datasets / Fiscal Years	Visit / 1980 – To Date Event / 1997 – To Date
VistA Data Source	Patient (2) file, STATE field

Variable Name: **INCOME**

Definition: Adjusted individual annual income

Remarks: **INCOME** is a calculation of all reported income minus any deductions for medical expenses. Medical expenses are those actually paid for by the eligible veteran and include fees of physicians, dentists, and other providers of health services; hospital and nursing home fees; medical insurance premiums (including the Medicare premium); drugs and medicines; eyeglasses; any other expenses that are reasonably related to medical care.

Individual income is part of the household income on which the Means Test is based and includes Social Security (except disability), U.S. Civil Service, U.S. Railroad Retirement, Military Retirement, Other Retirement monies, Unemployment Compensation, Employment Income, Interest, Dividends & Annuities, Workers Comp, or Black Lung.

Data Type	Numeric
Print Format	COMMA6.
Label	ANNUAL INCOME
Datasets / Fiscal Years	Visit / 1992 – To Date
VistA Data Source	Individual Annual Income (408.21)

Variable Name: **INS**

Definition: Indicates the type of insurance coverage

Remarks: This can also be used to identify veterans without insurance coverage. The VistA database holds more than one active record for insurance coverage. At Austin, the presentation of a single value is not in agreement with this and should be considered neither complete nor accurate. For frequency counts of the values for this variable, see the accompanying [VIREC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Character
Print Format	\$INSUR.
Label	INSURANCE COVERAGE
Datasets / Fiscal Years	Visit / 1997 – To Date
VistA Data Source	File 355.1, TYPE OF INSURANCE field

INS can assume the following values:

Value	Description
0	No insurance
1	Major medical
2	Dental
3	HMO
4	PPO
5	Medicare
6	Medicaid
7	CHAMPUS
8	Workman's comp
9	Indemnity
10	Prescription
11	Medicare supplemental
12	All other

Variable Name: **LOCVIZ**

Definition: Indicates the type of setting where the health encounter occurred

Remarks:

Data Type	Numeric
Print Format	XLOCVIZ.
Label	LOCATION OF VISIT
Datasets / Fiscal Years	Event / 1997 – To Date
VistA Data Source	HOSPITAL LOCATION field of the Visit (9010110) file)

LOCVIZ can assume the following values:

Value	Description
1	Staff (Regular clinic visit)
2	Fee (Care by non-VA staff)
3	VA + Fee (Both provide care during the visit)
4	Ward (When exam was performed in an area not designated as a clinic)
5	Home-Based Health Care
6	Away from facility, other than patient residence

Variable Name: **MARITAL**

Definition: Marital status of the patient

Remarks: Marital status is elicited from each patient when he or she first applies for medical care. Outpatient encounters that are recorded by hand may update this information. We found that ambulatory care staff have made changes to the patient record with regard to this variable. In a small comparison between the AAC data and a patient survey, we found an 82.7% agreement.¹³ For frequency counts of the values for this variable, see the accompanying [VIReC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Character
Print Format	\$MARITAL.
Label	MARITAL STATUS
Datasets / Fiscal Years	Visit / 1997 – To Date Event / 1998 – To Date
VistA Data Source	Patient (2) file, MARITAL STATUS field

MARITAL can assume the following values:

Value	Description
D	Divorced
M	Married
N	Never Married
S	Separated
U	Unknown
W	Widowed

Variable Name: **MEANS**

Definition: Means Test Indicator Code

Remarks: The Means Test Indicator is used in determining a patient's eligibility to receive care. The assigned value, which reflects veteran status and percent service-connected eligibility, indicates the necessity of a Means Test.

Veterans classified as having 10 percent or more service-connected disability, former POWs, WWI veterans, and veterans without service-connected disability who are receiving a VA pension are eligible for mandatory care. They are not required to complete a Means Test. All other veteran patients (namely the non-service connected veterans) are required to complete an annual financial Means Test to determine a financial status against the VA thresholds that are established January 1st of each year (See [VHA Directive 2004-026](#)). Veterans with household income below the current year's applicable Means Test threshold are considered Category A. Those with household income above the threshold are considered Category C.

Until FY2002, patient records for those without a valid Means Test were blocked from entering into the Medical SAS Datasets. However, beginning in FY2003, this Means Test "filter" is removed and patient records without a valid Means Test are coded with a "U" value in this field. (See [VHA Directive 2003-026](#)). A value of "G" is also added to the FY2003 datasets (See [VHA Directive 2003-005](#)). Note that the SAS print format has changed from "\$MEANSL." To "\$MEANSG." to reflect these changes.

MEANS can assume the values shown in [Appendix A](#) on page 93. For frequency counts of the values for this variable, see the accompanying resource guide, [VIReC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS[®] Datasets](#).

Data Type	Character
Print Format	\$MEANSG.
Label	MEANS TEST INDICATOR
Datasets / Fiscal Years	Visit / 1987– To Date Event / 1997 – To Date
VistA Data Source	PTF (45) file, MEANS TEST INDICATOR field

Variable Name: **MULTI**

Definition: Indicator that the patient visited a parent station and a substation on the same day

Remarks: The parent station identifier ([STA3N](#)) and the substation identifier ([STA5A](#)) must be different in order for this variable to have an “M” value. For example, a visit to Parent Station 589 (Kansas City) and Substation 589A7 (Wichita) on the same day would turn the **MULTI** indicator value to “M”.

Data Type	Character
Print Format	\$MULTI.
Label	MULTIPLE / SINGLE STATION INDICATOR
Datasets / Fiscal Years	Event / 1997 – To Date
VistA Data Source	Not applicable

MULTI can assume the following values:

Value	Description
M	Multiple station
S	Single station

Variable Name: **NCODES**

Definition: Number of CPT-4 procedure codes ([CPT1-CPT15](#)) populated within the record

Remarks: Up to 15 CPT-4 procedure codes can be populated per record (SAS observation).

Data Type	Numeric
Print Format	None
Label	NUMBER OF CPTS THIS SEGMENT
Datasets / Fiscal Years	Event / 1998 – To Date
VistA Data Source	Not applicable

Variable Name: **NDIAG**

Definition: Number of ICD-9-CM diagnosis codes ([DXLSE](#), [DXF2–DXF10](#)) populated within the record

Remarks: Up to ten ICD-9-CM diagnoses codes can be populated per record (SAS observation).

Data Type	Numeric
Print Format	None
Label	NUMBER OF DIAG CODES
Datasets / Fiscal Years	Event / 1997 – To Date
VistA Data Source	Not applicable

Variable Name: **NODEPS**

Definition: Number of dependents for eligible veterans

Remarks: This data element is collected because it is a factor in determining the Means Test threshold.

Data Type	Character
Print Format	None
Label	NO. OF DEPENDENTS
Datasets / Fiscal Years	Visit / 1988 – To Date
VistA Data Source	ANNUAL MEANS (408.31) TEST file, NUMBER OF DEPENDENTS field

Variable Name: **NPROV**

Definition: Number of provider type variables ([PROV1-PROV10](#)) populated within the record

Remarks:

Data Type	Numeric
Print Format	None
Label	NUMBER OF PROV THIS SEGMENT
Datasets / Fiscal Years	Event / 1997 – To Date
VistA Data Source	Not applicable

Variable Name: **NPROVID**

Definition: Number of provider identification code variables ([PROVID1-PROVID10](#)) populated within the record

Remarks:

Data Type	Numeric
Print Format	None
Label	NUMBER OF PROV IDS THIS SEGMENT
Datasets / Fiscal Years	Event / 1997 – To Date
VistA Data Source	Not applicable

Variable Name: **NSTOPS**

Definition: Number of clinic stop variables ([CL1-CL15](#)) populated within the record

Remarks: Data are transmitted as encounters from the VistA Outpatient Encounter (409.68) file. This variable is calculated at the AAC receiving end based on clinic stop, date and station. A problem has been noted for Community-Based Outpatient Clinics (CBOCs) where patients with encounters at the parent station and at the CBOC with the same stop code are losing records. For frequency counts of the values for this variable, see the accompanying [VIReC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Numeric
Print Format	None
Label	NUMBER CLINIC STOPS
Datasets / Fiscal Years	Visit / 1980 – To Date
VistA Data Source	Not applicable

Variable Name: **NTRENC**

Definition: Indicates whether there was treatment given for nasopharyngeal radium irradiation treatment exposure

Remarks: This variable was added to record eligibility for treatment of cancer of the head or neck associated with a veteran's receipt of nasopharyngeal radium irradiation treatments during active military, naval, or air service. (See [VHA Handbook 1301.1](#), "Ionizing Radiation Registry Program Procedures")

Data Type	Character
Print Format	\$NTRENC.
Label	NOSE THROAT RADIUM TRMT IND
Datasets / Fiscal Years	Event / 2002 – To Date
VistA Data Source	Derived from Outpatient (409.42) file, OUTPATIENT CLASSIFICATION TYPE and VALUE fields.

NTRENC can assume the following values:

Value	Description
0	This health encounter not related to nose throat radium treatments
1	This health encounter related to nose throat radium treatments
(Other)	Does not claim nose throat radium treatments

Variable Name: **NTRIND**

Definition: Indicates whether the patient claimed nasopharyngeal radium irradiation treatment during active military service

Remarks: This variable was added to record eligibility for treatment of cancer of the head or neck associated with a veteran's receipt of nasopharyngeal radium irradiation treatments during active military, naval, or air service. (See [VHA Handbook 1301.1](#), "Ionizing Radiation Registry Program Procedures.") For frequency counts of the values for this variable, see the accompanying [VIREC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Character
Print Format	\$XXYN.
Label	CLAIMED NOSE THROAT RADIUM EXP
Datasets / Fiscal Years	Visit / 2002 – To Date
VistA Data Source	Derived from Outpatient (409.42) file, OUTPATIENT CLASSIFICATION TYPE and VALUE fields.

NTRIND can assume the following values:

Value	Description
0	No claim of nasopharyngeal radium irradiation treatment
1	Claim of nasopharyngeal radium irradiation treatment

Variable Name: **POS**

Definition: Military period in which the veteran served

Remarks: This variable is related to the authority under which a patient is eligible for care. This variable is a mixture of type of service (Army, Navy, etc.) if active currently, period of service (Spanish-American War to Desert Storm) if a veteran, and other codes such as workers comp, emergency, CHAMPUS, etc., which are largely for non-veterans. The latest wartime period of service is coded if more than one applies, unless patient is service connected for a condition incurred in a prior war. **POS** can assume the values found in [Appendix A](#) on page 95. For frequency counts of the values for this variable, see the accompanying [VIReC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Character
Print Format	\$XXPDSEV
Label	PERIOD OF SERVICE
Datasets / Fiscal Years	Visit / 1992 – To Date
VistA Data Source	Patient (2) file, PERIOD OF SERVICE field

Variable Name: **POV**

Definition: Code for the purpose of the healthcare visit

Remarks: The code with the lowest applicable number is used. For frequency counts of the values for this variable, see the accompanying [VIREC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Numeric
Print Format	\$XXPOV.
Label	PURPOSE OF VISIT
Datasets / Fiscal Years	Visit / 1985 – To Date Event / 1997 – To Date
VistA Data Source	File 2.98, PURPOSE OF VISIT field

POV can assume the following values:

Value	Description
1	Physical examination for compensation and pension eligibility
2	Physical examination for establishing eligibility for VA health benefits (VA Form 10-10EZ)
3	Scheduled appointment
4	Unscheduled appointment

Variable Name: **POW**

Definition: Indicator of whether the patient was a prisoner of war

Remarks: This field is initially entered through patient self-report, which may later be verified through the patient's military service record. The Medical SAS Inpatient Main dataset also contains POW (Prisoner of War status with name of war and location), but it is coded to indicate the name of the war and location. For frequency counts of the values for this variable, see the accompanying [VIReC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Character
Print Format	\$XXPOW.
Label	PRISONER OF WAR STATUS
Datasets / Fiscal Years	Visit / 1985 – To Date
VistA Data Source	Patient (2) file, POW STATUS INDICATED field

POW can assume the following values:

Value	Description
U	Unknown
0	Prisoner of war
1	Not a prisoner of war

Variable Name: **POWLOC**

Definition: Indicator of the period of service and/or location in which the veteran was a prisoner of war

Remarks: For frequency counts of the values for this variable, see the accompanying [VIREC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Character
Print Format	\$POWLOC.
Label	PRISONER OF WAR LOCATION
Datasets / Fiscal Years	Visit / 2001 – To Date
VistA Data Source	Patient (2) file, PRISONER OF WAR LOCATION field

POWLOC can assume the following values:

Value	Description
A	Persian Gulf War
B	Yugoslavia
4	World War I
5	World War II, Europe
6	World War II, Pacific
7	Korean War
8	Vietnam Era
9	Other

Variable Name: **PROV1 – PROV10**

Definition: 1st – 10th codes for the provider type

Remarks: The categories are defined by the Center for Medicare and Medicaid Services (CMS) and are used to categorize the area of care associated with this visit. Beginning with FY2003, the provider type in the VHA Medical SAS Event Dataset is coded in character values. The associated permanent SAS print format is also changed to “\$PERCLS.” from “XXPROV.”. **PROV1 – PROV10** can assume the values shown in [Appendix A](#) on page 96.

Data Type	Character
Print Format	\$PERCLS. (Use XXPROV. for years prior to FY2003)
Label	PROVIDER TYPE 1 – 10
Datasets / Fiscal Years	Event / 1997 – To Date
VistA Data Source	Outpatient Provider (409.44) file, PROVIDER TYPE CODE field, reference file, PERSON (8932.1) CLASS

Variable Name: **PROVID1 – PROVID10**

Definition: 1st – 10th healthcare provider identification codes associated with this event

Remarks: This is a concatenation of the 3-digit [STA3N](#) (Parent station identifier) variable and the provider ID code ([PROV1 – PROV10](#)).

Data Type	Character
Print Format	None
Label	PROVIDER ID 1 – 10
Datasets / Fiscal Years	Event / 1997 – To Date
VistA Data Source	New Person (200) File, ROLE INSTANCE ID field

Variable Name: **PS**

Definition: Recategorization of the **POS** (Military period in which the veteran served in) variable

Remarks: The value is related to the authority under which a patient is eligible for care. This variable is irrespective of type of service (Army, Navy, etc.) and strictly related to date values. The latest wartime period of service is coded if more than one applies, unless the patient is service-connected for a condition incurred in a prior war. For frequency counts of the values for this variable, see the accompanying [VIREC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Numeric
Print Format	PSRCDL.
Label	PERIOD OF SVC RECODE
Datasets / Fiscal Years	Visit / 1985 – To Date
VistA Data Source	Patient (2) file, PERIOD OF SERVICE field

PS can assume the following values:

Value	Description
0	Spanish-American War
1	World War I
2	World War II
3	Pre-Korean War
4	Korean War
5	Post-Korean War
6	Vietnam Era
7	Post-Vietnam Era
8	Other
9	Desert Storm (active)
10	Desert Storm (veteran)

Variable Name: **PSEUDO**

Definition: Pseudo-SSN indicator

Remarks: This variable indicates if the patient's Social Security Number (SSN) is recorded as a pseudo-Social Security Number created using numeric equivalents of the patient's initials and birth date. A pseudo-SSN is a temporary identification when the patient has no SSN or the patient's true SSN cannot be determined. The pseudo-SSN will be retained as a permanent identification number when a patient refuses to apply for a Social Security Number or death occurs before an SSN application can be made.

Data Type	Character
Print Format	None
Label	PSEUDO SSN
Datasets / Fiscal Years	Visit / 1995 – To Date Event / 1997 – To Date
VistA Data Source	Patient (2) file, SOCIAL SECURITY NUMBER field

PSEUDO can assume the following values:

Value	Description
P	Social Security Number recorded is a pseudo-SSN
Blank	Social Security Number recorded is not a pseudo-SSN

Variable Name: **RACE**

Definition: Race or national origin

Remarks: Reporting of race or ethnicity is most frequently extracted from clinical documentation (e.g., discharge summary) and/or observation of administrative staff. See [RACE1 – RACE7](#) for more information on race data collected according to new federal guidelines since FY2004. For frequency counts of the values for this variable, see the accompanying [VIReC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Numeric
Print Format	RACEL.
Label	RACE CODE
Datasets / Fiscal Years	Visit / 1997 – To Date Event / 1998 – To Date
VistA Data Source	Patient (2) file, RACE field and ETHNIC GROUP field

RACE can assume the following values:

Value	Description
1	Hispanic, white
2	Hispanic, black
3	American Indian
4	Black
5	Asian
6	White
7 or missing	Unknown

Variable Name: **RACE1 – RACE7**

Definition: Race with collection method

Remarks: Beginning with FY2004, the VHA Medical SAS Outpatient Datasets contain seven new variables containing up to 7 new race values collected in VistA in response to the U.S. Office of Management and Budget’s revision of [Statistical Policy Directive No. 15](#), “Race and Ethnic Standards for Federal Statistics and Administrative Reporting.” These new variables are coded to indicate the means of data collection (e.g., White-Self-identified, White-Observer, and White-Proxy). **RACE1 – RACE7** can assume the values shown in [Appendix A](#) on page 115. For frequency counts of the values for this variable, see the accompanying [VIReC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

VIReC continues to investigate those instances where a race variable has the value “Unknown – Unknown by Patient.” This accounts for fewer than 1% of all responses.

Data Type	CHARACTER
Print Format	\$RACE.
Label	RACE CODE 1 – 7
Datasets / Fiscal Years	Visit / 2004 – To Date Event / 2004 – to Date
VistA Data Source	Race Information Sub-file (# 2.02) RACE INFORMATION field and METHOD OF COLLECTION field

Variable Name: **RAD**

Definition: Exposure to Ionizing Radiation through nuclear testing or in Japan

Remarks: This variable was added to the dataset in July of FY1982. It is self-reported and is not recorded for non-veterans or for those veterans in service prior to WWII. For frequency counts of the values for this variable in the Visit Dataset, see the accompanying [VIREC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Note that the values in the Visit and Event Datasets are different. The print format "RADL." was attached to **RAD** in the Event Datasets for FY1997 – FY2003. Use "XXYN." instead. This problem was corrected in the FY2004 Event Dataset.

Data Type	Numeric
Print Format	RADL. (Visit); XXYN. (Event)
Label	CLAIMED RADIATION EXPOSURE
Datasets / Fiscal Years	Visit / 1983 – To Date Event / 1997 – To Date
Vista Data Source	Patient (2) file, RADIATION EXPOSURE METHOD field

RAD (in the Visit Dataset) can assume the following values:

Value	Description
1	No radiation exposure claim
2	Claim of radiation exposure in Japan
3	Claim of radiation exposure in the U.S.
4	Claim of radiation exposure in both Japan and the U.S.

RAD (in the Event Dataset) can assume the following values:

Value	Description
0	No claim of radiation exposure
1	Claim of radiation exposure

Variable Name: **RELIG**

Definition: Religious preference

Remarks: For frequency counts of the values for this variable, see the accompanying [VIREC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Character
Print Format	\$RELIG.
Label	RELIGION CODE
Datasets / Fiscal Years	Visit / 1997 – To Date
VistA Data Source	Patient (2) file, RELIGIOUS PREFERENCE field (reference file is RELIGION (13))

RELIG can assume the following values:

Value	Description
0	Catholic
1	Jewish
2	Eastern Orthodox
3	Baptist
4	Methodist
5	Lutheran
6	Presbyterian
7	United Church of Christ
8	Episcopalian
9	Adventist
10	Assembly of God
11	Brethren
12	Christian Science
13	Church of Christ
14	Church of God
15	Disciples of Christ

Value	Description
16	Evangelical Covenant
17	Friends
18	Jehovah Witness
19	Latter Day Saints
20	Islamic
21	Nazarene
22	Other
23	Pentecostal
24	Protestant, other
25	Protestant, no preference
26	Reformed
27	Salvation Army
28	Unitarian Universalist
29	Unknown, no preference
30	Native American
31	Buddhist

Variable Name: **SCCI**

Definition: Indicator of whether the condition being treated is service-connected

Remarks:

Data Type	Character
Print Format	\$SCCI.
Label	SVC-CON CONDITION INDICATOR
Datasets / Fiscal Years	Event / 1997 – To Date
VistA Data Source	Derived from Outpatient (409.42) file, OUTPATIENT CLASSIFICATION TYPE field

SCCI can assume the following values:

Value	Description
Blank	Not applicable
0	Treatment not related to service-connected condition
1	Treatment related to service-connected condition

Variable Name: **SCRSSN**

Definition: Scrambled Social Security Number

Remarks: Scrambled Social Security Number was created in FY1986 as a replacement for the patient's real Social Security Number (SSN). It is a formula manipulation of the real SSN and not a randomly generated number. Therefore, **SCRSSN** may be used to identify a patient across fiscal years and datasets.

Data Type	Numeric
Print Format	SSN11. (NNN-NN-NNNN)
Label	SCRAMBLED SSN
Datasets / Fiscal Years	Visit / 1986 – To Date Event / 1997 – To Date (Note: Real SSN was listed in fiscal years 1980–85.)
VistA Data Source	None (formula manipulation of Patient (2) file real SSN)

Variable Name: **SEX**

Definition: Sex of patient

Remarks: For frequency counts of the values for this variable, see the accompanying [VIREC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Character
Print Format	\$SEXL.
Label	SEX
Datasets / Fiscal Years	Visit / 1985 – To Date Event / 1997 – To Date
VistA Data Source	Patient (2) file, SEX field

SEX can assume the following values:

Value	Description
F	Female
M	Male

Variable Name: **STA3N**

Definition: Parent station identifier

Remarks: This is the 3-digit numeric identification of VAMC facilities. This variable indicates the parent station (VA hospital) or the parent station of a branch at which the patient was treated. Use [STA5A](#) to identify the actual facility at which the patient was treated. If a patient was treated at a VAMC facility, then this variable and [STA5A](#) will have the same values. **STA3N** can assume the values shown in [Appendix A](#) on page 116. For frequency counts of the values for this variable, see the accompanying [VIReC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Numeric
Print Format	STA3NL.
Label	PARENT STATION
Datasets / Fiscal Years	Visit / 1980 – To Date Event / 1997 – To Date
VistA Data Source	Station Number (389.9) file, STATION NUMBER field

Variable Name: **STA5A**

Definition: Five-digit numeric identifier of the VA facility where care was provided

Remarks: This variable identifies the VA outpatient clinic where the patient's health encounter occurred. Since this variable can take as many as 1,100 distinct values, they are not listed in this document. Instead, users are referred to the VA Site Tracking (VAST) database, maintained by the Planning Systems Support Group (PSSG) of the Office of the Assistant Deputy Under Secretary for Health (ADUSH), at [REDACTED]. For frequency counts of the values for this variable, see the accompanying [VIREC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Character
Print Format	\$STA52AL.
Label	STATION
Datasets / Fiscal Years	Visit / 1991 – To Date Event / 1997 – To Date
VistA Data Source	Station Number (389.9) file, SERVICING FACILITY field

Variable Name: **SVCPCT**

Definition: Patient's percentage (from 0 to 100) of service-connected disability

Remarks: The value recorded in this variable is the percentage of service-connected disability determined as part of establishing a veteran's eligibility for VA health care benefits. This variable does not indicate whether or not a veteran has any service-connected disability, because a veteran may have a service-connected disability and be recorded as 0% service-connected in this variable. For frequency counts of the values for this variable, see the accompanying [VIREC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Number
Print Format	None
Label	PERCENT OF SERVICE CONNECTED
Datasets / Fiscal Years	Visit / 1997 – To Date Event / 2000 – To Date
VistA Data Source	Patient (2) file, SERVICE CONNECTED PERCENTAGE field

Variable Name: **VISN**

Definition: Veterans Integrated Service Network (VISN) where the outpatient visit or event occurred

Remarks: VISNs are VHA organizational business units comprised of multiple medical centers and clinics within a geographic region. For frequency counts of the values for this variable, see the accompanying resource guide, [VIREC Research User Guide: Select Variable Frequencies From The FY2004 VHA Medical SAS Datasets](#).

Data Type	Numeric
Print Format	None
Label	VETS INTEGRATED SERVICE NETWORK
Datasets / Fiscal Years	Visit / 1995 – To Date Event / 1997 – To Date
VistA Data Source	Derived from 389.9 File, SERVICING FACILITY field

VISN can assume the following values:

Value	Description
1	VA New England Healthcare System
2	VA Healthcare Network Upstate New York
3	VA NY / NJ Veterans Healthcare Network
4	VA Stars & Stripes Healthcare Network
5	VA Capitol Health Care Network
6	VA Mid-Atlantic Network
7	The Atlantic Network
8	VA Sunshine Healthcare Network
9	Mid South Veterans Healthcare Network
10	VA Healthcare System of Ohio
11	Veterans In Partnership
12	The Great Lakes Health Care System
15	VA Heartland Network
16	South Central VA Health Care Network
17	VA Heart of Texas Health Care Network
18	VA Southwest Healthcare Network
19	Rocky Mountain Network
20	Northwest Network
21	Sierra Pacific Network
22	Desert Pacific Healthcare Network
23	VA Midwest Health Care Network

Variable Name: **VIZDAY**

Definition: Date of the outpatient health care encounter

Remarks:

Data Type	Numeric (SAS Date)
Print Format	DATE9. (DDMMMYYYY)
Label	DATE OF VISIT
Datasets / Fiscal Years	Visit / 1991 – To Date Event / 1997 – To Date
VistA Data Source	Outpatient Encounter (409.68), Date/Time of event field

Variable Name: **ZIP**

Definition: Zip code

Remarks: This variable is the 5-digit postal code for the patient's home residence.

Data Type	Numeric
Print Format	Z5.
Label	ZIP CODE
Datasets / Fiscal Years	Visit / 1980 – To Date Event / 1997 – To Date
VistA Data Source	Patient (2) file, ZIP CODE field

V. Works Cited

1. *National Patient Care Database (NPCD) – The FY1999 SAS® Datasets for the Outpatient Care File*. Edward J. Hines Jr. VA Hospital, Hines, IL: Veterans Affairs Information Resource Center, March 2000. Available at: <http://www.virec.research.va.gov>. Accessed March 13, 2003.
2. *National Patient Care Database (NPCD) – The FY1999 SAS® Datasets for the Patient Treatment File*. Edward J. Hines Jr. VA Hospital, Hines, IL: Veterans Affairs Information Resource Center, March 2000. Available at: <http://www.virec.research.va.gov>. Accessed March 13, 2003.
3. *The Medical SAS® Inpatient Datasets – FY2000: A VIREC Resource Guide*. Edward J. Hines Jr. VA Hospital, Hines, IL: Veterans Affairs Information Resource Center, September 2001. Available at: <http://www.virec.research.va.gov>. Accessed March 13, 2003.
4. *The Medical SAS® Outpatient Datasets – FY2000: A VIREC Resource Guide*. Edward J. Hines Jr. VA Hospital, Hines, IL: Veterans Affairs Information Resource Center, September 2001. Available at: <http://www.virec.research.va.gov>. Accessed March 13, 2003.
5. *Select Variable Frequencies From The Medical SAS® Inpatient and Outpatient Datasets – FY2000: A VIREC Resource Guide*. Edward J. Hines Jr. VA Hospital, Hines, IL: Veterans Affairs Information Resource Center, September 2001. Available at: <http://www.virec.research.va.gov>. Accessed March 13, 2003.
6. *Select Variable Frequencies From The VHA Medical SAS® Inpatient and Outpatient Datasets – FY2001: A VIREC Research User Guide*. Edward J. Hines Jr. VA Hospital, Hines, IL: Veterans Affairs Information Resource Center, April 2003. Available at: <http://www.virec.research.va.gov>. Accessed March 13, 2003.
7. *VIREC Research User Guide: FY2002 VHA Medical SAS® Outpatient Datasets*. Edward J. Hines Jr. VA Hospital, Hines, IL: Veterans Affairs Information Resource Center, April 2003. Available at: <http://www.virec.research.va.gov>. Accessed March 13, 2003.
8. *VIREC Research User Guide: Select Variable Frequencies From The FY2002 VHA Medical SAS® Inpatient and Outpatient Datasets*. Edward J. Hines Jr. VA Hospital, Hines, IL: Veterans Affairs Information Resource Center, April 2003. Available at: <http://www.virec.research.va.gov>. Accessed March 13, 2003.

9. Murphy PA, Cowper DC, Seppala G, Stroupe KT, Hynes DM. Veterans Health Administration inpatient and outpatient care data: A rich resource of research data. *Eff Clin Pract.* 2002;5:E4. Available at <http://www.acponline.org/journals/ecp>. Accessed March 14, 2003.
10. *Current procedural terminology: CPT / American Medical Association.* Standard ed. Chicago, IL: American Medical Association, 1998.
11. *International classification of diseases, 9th revision, clinical modification: ICD-9-CM.* 3rd ed. Los Angeles, CA: Practice Management Information Corporation, 1991.
12. Kang HK, et al. Resources for epidemiological research in Vietnam era veteran populations within the Department of Veterans Affairs, pp. 97-103 in William F. Page, Ed., *Epidemiology in Military and Veteran Populations.* Washington DC: National Academy Press, 1991.
13. Kerr MA, Cowper DC. Reliability and Validity of Select Data in the National Care Database (NPCD): A Pilot Study. VA HSR&D LIP42-061, 1999.

Appendix A: Values for Selected Variables

(Values and their descriptions begin on the following page.)

CL can assume the following values:*

Value	Description
101 [†]	Emergency unit
102	Admit and/or screening 102101 – Emergency unit
103	Telephone triage 103801 – In VISN phone triage – NOT VA Medical Center 103802 – Out of VISN, VA phone triage 103803 – Commercial phone triage
104	Pulmonary function
105	X-ray
106	Electroencephalogram or electroencephalograph (EEG)
107	Electrocardiogram or electrocardiograph (EKG) 107473 – Echocardiogram
108	Laboratory
109	Nuclear medicine
115	Ultrasound
116	Respiratory therapy 116329 – respiratory therapy procedures 116714 – respiratory therapy (RX) education
117	Nursing 117473 – Purified Protein Derivative (PPD) (Tuberculosis) clinic 117710 – Flu shot
118	Home treatment services
119	Community nursing home follow-up
120	Health screening
121	Residential care – non mental health
122	Public health nursing
123	Nutrition/dietetics – individual
124	Nutrition/dietetics – group
125	Social work service
126	Evoked potential
127	Topographical brain mapping
128	Prolonged video-EEG monitoring
144	Radionuclide therapy
145	Pharmacology/physiologic nuclear myocardial perfusion studies
146	Positron emission tomography (PET)
147	Telephone/ancillary 147209 – Telephone visual impairment services team (VIST)
148	Telephone/diagnostic
149	Radiation therapy treatment
150	Computerized tomography (CT)
151	Magnetic resonance imaging (MRI)
152	Angiogram catheterization

Value	Description
153	Interventional radiography
154	Magnetoencephalography (MEG)
160	Clinical pharmacy
161	Transitional Pharmacy (Benefit)
165	Bereavement Counseling
166	Chaplain service – individual
167	Chaplain service – group
168	Chaplain service – collateral
169	Telephone/chaplain
170	Home based primary care (HBPC) – physician
171	HBPC – RN/RNP/PA
172	HBPC – nurse extender
173	HBPC – social worker
174	HBPC – therapist 174202 – HBPC – Recreation therapy 174205 – HBPC – Physical therapy 174206 – HBPC – Occupational therapy
175	HBPC – dietician
176	HBPC – clinical pharmacist
177	HBPC – other 177201 – HBPC – Physical Medicine & rehabilitation service (PM&RS) 177210 – HBPC – Spinal cord injury
178	HBPC – Telephone
179	Real-time video care (secondary only)
180	Dental
181	Telephone/dental
185	Physician extender (NP)
186	Physician extender (PA)
187	Physician extender (CNS)
188	Physician Resident
190	Adult day health care
201	Physical Medicine & rehabilitation service (PM&RS)
202	Recreation therapy service
203	Audiology
204	Speech pathology
205	Physical therapy
206	Occupational therapy
207	PM&RS incentive therapy face-to-face
208	PM&RS compensated work therapy (CWT)/Transitional work experience (PM & RS CWT/TWE) face-to-face 208466 – Domiciliary (DOM) CWT
209	VIST coordinator 209125 – VIST coordinator by social worker
210	Spinal cord injury (SCI)

Value	Description
	210414 – SCI – cystouro 210468 – SCI – RN procedure
211	Amputation follow-up clinic
212	EMG – Electromyogram
213	PM&RS vocational assistance 213466 – Veterans education/training DOM
214	Kinesiotherapy
215	SCI home care program
216	Telephone rehabilitation (REHAB) and support 216203 – Telephone audiology REHAB support service 216204 – Telephone speech REHAB support service 216210 – Spinal cord injury telephone support
217	Blind REHAB outpatient specialist (BROS)
219	Traumatic Brain Injury (TBI)
220	Visual Impairment Outpatient Program (VISOR) 220118 – Visor in home care
221	Telephone/Visual Impairment Service Team (VIST)
290	Observation medicine
291	Observation surgery
292	Observation psychiatry
293	Observation neurology
294	Observation blind REHAB
295	Observation spinal cord
296	Observation rehabilitation
301	General internal medicine
302	Allergy immunology
303	Cardiology 303115 – Echocardiogram 303201 – Cardiac REHAB
304	Dermatology 304329 – Dermatology biopsies 304416 – Dermatology photo therapy
305	Endocrinology/metabolism (except diabetes)
306	Diabetes 306714 – Diabetic education
307	Gastroenterology 307117 – Enterostomal clinic 307329 – Liver biopsies 307454 – Liver
308	Hematology
309	Hypertension
310	Infectious disease 310323 – Chronic infectious disease primary care
311	Pacemaker

Value	Description
312	Pulmonary/chest 312104 – Sleep studies
313	Renal/nephrology 313457 – Transplant
314	Rheumatology/arthritis
315	Neurology 315456 – Epilepsy 315469 – Movement disorder 315470 – Sleep disorder
316	Oncology/tumor 316329 – Oncology/tumor procedures 316419 – Radiology prescription (with oncology medicine service)
317	Coumadin clinic
318	Geriatric clinic
319	Geriatric evaluation and management (GEM) clinic
320	Alzheimer’s and dementia clinic
321	Gastrointestinal endoscopy
322	Women’s clinic 322704 – Pap smear only women’s clinic
323	Primary care/medicine 323160 – primary consults 323691 – Pre-employment physical military personnel 323710 – Flu shot
324	Telephone/medicine
325	Telephone/neurology
326	Telephone/geriatrics
327	Physician (MD) perform invasive operating room procedure (Medical service)
328	Medical surgical day unit (MSDU)
329	Medical procedure unit
330	Chemotherapy procedures unit medicine
331	Pre-bed care – physician (MD) (Medical service)
332	Pre-bed care – RN (Medical service)
333	Cardiac catheterization
334	Cardiac stress test/exercise tolerance test (ETT)
335	PADRECC (Parkinson’s Disease RECC)
348	Primary Care Group
350	Geriatric primary care
351	ADVANCED ILLNESS COORDINATED CARE (AICC)
371	CCS Evaluation
373	MOVE Program Group
394	Med Specialty Group
401	General surgery
402	Cardiac surgery

Value	Description
403	Ear, nose, and throat (ENT)
404	Gynecology
405	Hand surgery
406	Neurosurgery
407	Ophthalmology
408	Optometry
409	Orthopedics
410	Plastic surgery 410210 – SCI plastic
411	Podiatry
412	Proctology
413	Thoracic surgery
414	Urology 414451 – Impotency 414473 - Urodynamics
415	Vascular surgery 415461 – Aneurysm detection and management (ADAM) clinic
416	Ambulatory surgery evaluation by non-MD
417	Prosthetic, orthotics: evaluation, fitting, and/or measuring 417201 – Major med 417451 – Wheel chair 417452 – Cushion 417455 – Shoe/brace
418	Amputation clinic
419	Anesthesia pre-operation and/or post-operation consultation
420	Pain clinic
421	Vascular laboratory
422	Cast clinic
423	Prosthetic supply ordering services 423461 – Computer Aided Design (CAD) Computer Aided Modeling (CAM) Unit
424	Telephone/surgery
425	Telephone/prosthetics/orthotics
426	Women’s surgery
428	Telephone/optometry
429	Outpatient care in the operating room
430	Cysto room unit for outpatient
431	Chemotherapy procedures unit – surgery
432	Pre-bed care MD (surgical service)
433	Pre-bed care RN (surgical service)
435	Surgical procedure unit
436	Chiropractic care in medical center
449 [†]	Fittings and adjustments
450 [†]	Compensation and pension exam

Value	Description
451 [†]	Special DSS credit pair – locally defined
452 [†]	Special DSS credit pair – locally defined
453 [†]	Special DSS credit pair – locally defined
454 [†]	Special registry 5
455 [†]	Special DSS credit pair – locally defined
456 [†]	Special registry 6
457 [†]	Transplant
458 [†]	Special registry 7
459 [†]	Special registry 8
460 [†]	Special DSS credit pair – locally defined
461 [†]	Special registry 1
462 [†]	Special DSS credit pair – locally defined
463 [†]	Special DSS credit pair – locally defined
464 [†]	Special DSS credit pair – locally defined
465 [†]	Special DSS credit pair – locally defined
466 [†]	Special DSS credit pair – locally defined
467 [†]	Special DSS credit pair – locally defined
468 [†]	Special DSS credit pair – locally defined
469 [†]	Special registry 2
470 [†]	Special registry 3
471 [†]	Special DSS credit pair – locally defined
472 [†]	Special DSS credit pair – locally defined
473 [†]	Special DSS credit pair – locally defined
474 [†]	Research
475 [†]	Special DSS credit pair – locally defined
476 [†]	Special DSS credit pair – locally defined
477 [†]	Special DSS credit pair – locally defined
478 [†]	Special DSS credit pair – locally defined
479 [†]	Special DSS credit pair – locally defined
480 [†]	Comprehensive funduscopy examination. Primarily to be used with 301, 305, 306, 323, 350, 407, and 408 (i.e., for patients with diabetes or hypertension).
481 [†]	Bronchoscopy 429481 – Outpatient bronchoscopy done by Surgery in the operating room 312481 – Outpatient bronchoscopy done in the Pulmonary area 327481 – Outpatient bronchoscopy done by Medicine in the operating room 329481 – Outpatient bronchoscopy done in the Medical Procedure Unit 435481 – Outpatient bronchoscopy done in “Lumps and Bumps” Surgery Procedure unit
482 [†]	Special DSS credit pair – locally defined
483 [†]	Special DSS credit pair – locally defined

Value	Description
484 [†]	Special DSS credit pair – locally defined
485 [†]	Special DSS credit pair – locally defined
502	Mental health clinic – individual
503	Mental health residential care – individual
505	Day treatment – individual
506	Day hospital – individual
509	Psychiatry MD – individual
510	Psychology – individual 510473 – Neuropsychology lab 510474 – Psychology research 510509 – Psychology – psychiatry
512	Psychiatry consultation
513	Substance abuse – individual 513461 – Individual substance abuse: alcohol dependence 513469 – Individual substance abuse: drug dependence
514	Substance abuse – home visit
516	Post-Traumatic stress disorder (PTSD) – group 516726 – PTSD DOM – aftercare group
519	Substance use disorder/PTSD teams
520	Long-term enhancement – individual
521	Long-term enhancement – group
522	Department of Housing and Urban Development (HUD)-VA shared housing (VASH)
523	Opioid substitution
524	Active duty sex trauma
525	Women’s stress disorder treatment teams
527	Telephone/general psychiatry 527564 – Telephone mental health team case management
528	Telephone/homeless mentally ill (HMI)
529	Health Care for Homeless Veterans (HCHV)/HMI
530	Telephone/HUD-VASH
531	Mental health primary care team – individual
532	Psychosocial rehabilitation – individual 532713 – Gambling addiction individual
533	Mental health biomedical care – individual 533707 – Smoking cessation individual
535	Mental health vocational assistance – individual
536	Telephone/mental health vocational assistance
537	Telephone/psychosocial rehabilitation
538	Psychological testing
540	Post-Traumatic Stress Disorder (PTSD) clinical team (PCT)
542	Telephone/Post-Traumatic Stress Disorder (PTSD)
545	Telephone/substance abuse 545461 – Telephone/substance abuse – alcohol dependence

Value	Description
	545469 – Telephone/substance abuse – drug dependence
546	Telephone/Mental Health Intensive Case Management (MHICM)
547	Intensive substance abuse treatment 547461 – Intensive substance abuse treatment – alcohol dependence 547469 – Intensive substance abuse treatment – drug dependence
550	Mental health clinic – group
552	Mental Health Intensive Case Management (MHICM)
553	Day treatment – group
554	Day hospital – group
557	Psychiatry – group
558	Psychology – group
559	Psychosocial rehabilitation – group 559713 – Gambling addiction group
560	Substance abuse – group 560461 – Group Substance abuse – alcohol dependence 560469 – Group Substance abuse – drug dependence
561	Post-Traumatic Stress Disorder Clinical Team (PCT) – group
562	Post-Traumatic Stress Disorder (PTSD) – individual
563	Mental health primary care team – group
564	Mental health team case management
565	Mental Health Medical Care Only – group
566	Mental Health Risk Factor Reduction Education Group 566707 – Smoking cessation group
567	MHICM group
573	Mental health incentive therapy – group
574	Mental health compensated work therapy – group
575	Mental health vocational assistance – group
576	Psychogeriatric clinic, individual
577	Psychogeriatric clinic, group
578	Psychogeriatric day program
579	Telephone / psychogeriatrics
580	Post-Traumatic Stress Disorder (PTSD) day hospital
581	Post-Traumatic Stress Disorder (PTSD) day treatment
589	Non-active duty sex trauma
590	Community outreach homeless veterans by staff
602	Chronic assisted hemodialysis treatment
603	Limited self-care hemodialysis treatment
604	Home/self hemodialysis training treatment
606	Chronic assisted peritoneal dialysis
607	Limited self-care peritoneal dialysis
608	Home/self peritoneal dialysis training
610	Contract dialysis
611	Telephone/dialysis
650	Contract nursing home days

Value	Description
656	Department of Defense Non-VA care
670	Assisted living Veterans Health Administration – Paid staff
674	Administrative patient activities (non-count CBO) 674685 – Home telehealth technology/orientation (non-count CBO)
680	Home/community healthcare assessment
681	VA-paid home/community healthcare providers
682	VA referrals to home/community healthcare providers
683	Non-video monitoring only
684	Home telehealth non-video intervention (secondary only)
685	Care of CCS program patients
686	CCS Telephone (etc.) Care
690 [†]	Telemedicine
691 [†]	Pre-employment physical military personnel
701 [†]	Hypertension screening
702 [†]	Cholesterol screening
703 [†]	Mammogram
702 [†]	Pap test
705 [†]	FOBT-guaiac screening
706 [†]	Alcohol screening
707 [†]	Smoking cessation
708 [†]	Nutrition
709 [†]	Physical fitness/exercise counseling
710 [†]	Influenza immunization
711 [†]	Injury counsel/seat belt usage
712 [†]	Hepatitis C registry patient
714 [†]	Other education
715 [†]	Ongoing treatment (Non-MH)
716 [†]	Post surg routine aftercare
725	Domiciliary outreach services
726	Domiciliary aftercare – community
727	Domiciliary aftercare – VA
728	Domiciliary admission screening services
729	Telephone/domiciliary
730	Domiciliary – general care (Event Capture System [ECS] use only)
731	PRRTP general care
801	In-VISN other VAMC 2-103
902	CAT scan
903	Radiation therapy
904	Chemotherapy
905	Ambulatory surgery services
906	Blood/blood products trans
999	Employee health

* Most codes in the table can be used for both primary and secondary clinic stops. However, some (marked with a †) are to be used only for the secondary clinic stops and some are to be used only in pairs. All primary and secondary clinic stop code pairs are listed under the description of the appropriate code (e.g., 107473 under 107).

ETHNIC can assume the following values:

Value	Description – Method of Data Collection
OTHER	Missing
D	Declined To Answer-Missing
DO	Declined To Answer-Observer
DP	Declined To Answer-Proxy
DS	Declined To Answer-Self-identification
DU	Declined To Answer-Unknown By Patient
H	Hispanic or Latino-Missing
HO	Hispanic or Latino-Observer
HP	Hispanic or Latino-Proxy
HS	Hispanic or Latino-Self-identification
HU	Hispanic or Latino-Unknown By Patient
N	Not Hispanic or Latino-Missing
NO	Not Hispanic or Latino-Observer
NP	Not Hispanic or Latino-Proxy
NS	Not Hispanic or Latino-Self-identified
NU	Not Hispanic or Latino-Unknown By Patient
U	Unknown-Missing
UO	Unknown-Observer
UP	Unknown-Proxy
US	Unknown-Self-identification
UU	Unknown-Unknown By Patient

HOMSTATE can assume the following values:

Value	Description
1	Alabama
2	Alaska
4	Arizona
5	Arkansas
6	California
8	Colorado
9	Connecticut
10	Delaware
11	Washington, DC
12	Florida
13	Georgia
15	Hawaii
16	Idaho
17	Illinois
18	Indiana
19	Iowa
20	Kansas
21	Kentucky
22	Louisiana
23	Maine
24	Maryland
25	Massachusetts
26	Michigan
27	Minnesota
28	Mississippi
29	Missouri
30	Montana
31	Nebraska
32	Nevada
33	New Hampshire
34	New Jersey
35	New Mexico
36	New York
37	North Carolina
38	North Dakota
39	Ohio
40	Oklahoma
41	Oregon
42	Pennsylvania
44	Rhode Island
45	South Carolina

Value	Description
46	South Dakota
47	Tennessee
48	Texas
49	Utah
50	Vermont
51	Virginia
53	Washington
54	West Virginia
55	Wisconsin
56	Wyoming
58	Alberta
59	British Columbia
60	US Samoa
61	Manitoba
62	New Brunswick
63	Newfoundland
65	Nova Scotia
66	Guam
71	Midway Islands
72	Puerto Rico
73	Northwest Territories
74	US Minor Outlying Islands
75	Ontario
76	US Caribbean
77	Prince Edward Is
78	Virgin Islands
80	Quebec
82	Saskatchewan
83	Yukon Territory
85	AF Amer-Exc CAN
87	AF, EUR, ME, CAN
88	AF Pacific
90	Foreign Country
91	Canada & Mexico
93	Europe
96	Philippines
99	Unknown

MEANS can assume the following values:

Value	Description
AS	This Means Test category includes all compensable service-connected (0-100%) veterans and special category veterans. Special category veterans include: Mexican Border War and World War I veterans; former Prisoners of War; and patients receiving care for conditions potentially related to exposure to either Agent Orange (Herbicides), Ionizing Radiation or Environmental Contaminants. This category also includes 0% non-compensable service-connected veterans when they are treated for a service-connected condition.
AN	This Means Test category includes non-service connected (NSC) veterans who are required to complete VA Form 10-10F (Financial Worksheet) and those NSC veterans in receipt of VA pension, aid and attendance, housebound allowance, or entitled to State Medicaid. This category may also include 0% non-compensable service-connected veterans when they are not treated for a service-connected condition and are placed in this category based on completion of a Means Test.
C	This Means Test category includes those veterans who, based on income and/or net worth, are required to reimburse VA for care rendered. This category also includes those pending adjudication. This category may also include 0% non-compensable service-connected veterans when they are not treated for a service-connected condition and are placed in this category based on completion of a Means Test.
G	This Means Test category includes those veterans who are not service-connected and non-compensable 0% service-connected veterans with current income above the Means Test threshold and below the applicable HUD Index. These veterans are assigned to Priority 7 (unless Catastrophically Disabled or exposed to a toxic substance.) Veterans who fall into this category will have to submit income for yearly testing. Public Law 107-135 requires VA to identify veterans who agree to make medical care copayments and whose family incomes are below the "low-income" limits for the geographical area set by HUD for public housing benefits. Effective October 1, 2002, these veterans will be charged a reduced inpatient copayment equal to 20% of the established inpatient copayment and per diem charges. On October 8, 2002, VA published the final rule governing the new geographic means test (GMT) process and defines procedures for assigning veterans to Priority 7 and 8. The rule also clarifies a previous rule relating to assignments to Priority 4 based on Catastrophic Disability. Veterans who are Catastrophically Disabled and who have income above the Means Test threshold are still required to make copayments for their medical care.
N	This Means Test category includes only non-veterans receiving treatment at VA facilities.
X	This Means Test category includes treatment of patients who are not required to complete the Means Test for the care being provided. If the veteran was admitted prior to July 1, 1986 with no change in the level of care being received, (i.e., if the patient was in the Nursing Home Care Unit (NHCU) on

Value	Description
	June 30, 1986 and has remained in the NHCU since that date with no transfer to the hospital for treatment), the "X" Means Test indicator will be accepted. This category also includes patients admitted to the domiciliary, patients seen for completion of a compensation and pension examination, and Class II dental treatment.
U	This Means Test category includes only those patients who require a Means Test, and the Means Test has not been done/completed.

POS can assume the following values:

Value	Description
A	Army, active duty
B	Navy or Marine, active duty
C	Air Force, active duty
D	Coast Guard, active duty
E	Retired from uniformed forces
F	Medical remedial enlistee
G	Merchant seamen, U.S. Public Health Service
H	Other U.S. Public Health Service Beneficiaries
I	Observation examination
J	Office of workers compensation
K	Job Corps or Peace Corps
L	Railroad retirement
M	Foreign government beneficiaries
N	Humanitarian (non-veteran)
O	CHAMPUS restore
P	Other reimbursement (non-veteran)
Q	Other federal dependant
R	Donors (non-veteran)
S	Special studies (non-veteran)
T	Other (non-veteran)
U	CHAMPVA, spouse or child
V	CHAMPUS
W	Czechoslovakia or Poland
X	Persian Gulf War
Y	CAV / NPS
Z	Merchant Marine
0	Korean War
1	World War I
2	World War II
3	Spanish-American War
4	Pre-Korean War
5	Post-Korean War
6	Operation Desert Shield
7	Vietnam Era
8	Post-Vietnam Era
9	Other or none

PROV1 – PROV10 can assume the following values:

Value	Description
010000	Behavioral health and social services
010100	Behavioral health and social services; social worker; clinical
010200	Behavioral health and social services; counselor
010201	Behavioral health and social services; counselor; addiction (substance use disorder)
010202	Behavioral health and social services; marriage & family therapist
010203	Behavioral health and social services; counselor; mental health
010204	Behavioral health and social services; counselor; pastoral
010205	Behavioral health and social services; counselor; professional
010206	Behavioral health and social services; counselor; school
010300	Behavioral health and social services; psychoanalyst
010301	Behavioral health and social services; psychoanalyst; affiliate
010302	Behavioral health and social services; psychoanalyst; associate
010400	Behavioral health and social services; psychologist
010401	Behavioral health and social services; psychologist; behavioral
010402	Behavioral health and social services; neuropsychologist; clinical
010403	Behavioral health and social services; psychologist; clinical
010404	Behavioral health and social services; psychologist; counseling
010405	Behavioral health and social services; psychologist; family
010406	Behavioral health and social services; psychologist; forensic
010407	Behavioral health and social services; psychologist; health
010408	Behavioral health and social services; psychologist; school
010409	Behavioral health and social services; psychologist; addiction (substance use disorder)
010410	Behavioral health and social services; psychologist; adult development & aging
010411	Behavioral health and social services; psychologist; child, youth & family
010412	Behavioral health and social services; psychologist; educational
010413	Behavioral health and social services; psychologist; exercise & sports
010414	Behavioral health and social services; psychologist; men & masculinity
010415	Behavioral health and social services; psychologist; mental retardation & developmental disability
010416	Behavioral health and social services; psychologist; psychotherapy
010418	Behavioral health and social services; psychologist; rehabilitation
010419	Behavioral health and social services; psychologist; women
010500	Behavioral health and social services; social worker; school
010600	Behavioral health and social services; social worker
020000	Chiropractor; chiropractor
020200	Chiropractor; chiropractor; neurology
020300	Chiropractor; chiropractor; nutrition
020600	Chiropractor; chiropractor; radiology
030000	Dental services

Value	Description
030100	Dental services; dental assistant
030200	Dental services; dental hygienist
030300	Dental services; dental resident
030400	Dental services; dental laboratory technician
030500	Dental services; dentist
030501	Dental services; dentist; endodontics
030502	Dental services; dentist
030503	Dental services; dentist; surgery, oral & maxillofacial
030504	Dental services; dentist; surgery, oral & maxillofacial
030505	Dental services; dentist; orthodontics
030506	Dental services; dentist; pediatrics dentistry (pedodontics)
030507	Dental services; dentist; periodontics
030508	Dental services; dentist; prosthodontics
030509	Dental services; dentist; dental public health
040000	Dietary and nutritional services
040100	Dietary and nutritional services; dietary manager; dietary management
040200	Dietary and nutritional services; dietary and nutritional services; dietetic, technician
040300	Dietary and nutritional services; nutritionist
040301	Dietary and nutritional services; nutritionist; nutrition education
040400	Dietary and nutritional services; dietary and nutritional services; dietician, registered
040401	Dietary and nutritional services; dietitian, registered; nutrition, metabolic
040402	Dietary and nutritional services; dietitian, registered; nutrition, pediatric
040403	Dietary and nutritional services; dietitian, registered; nutrition, renal
050100	Emergency medical services; emergency medical technician, basic
050200	Emergency medical services; emergency medical technician, intermediate
050300	Emergency medical services; emergency medical technician, paramedic
060000	Eye and vision services
060100	Eye and vision services; technician/technologist; contact lens fitter
060200	Eye and vision services; technician/technologist; contact lens
060201	Eye and vision services; technician/technologist
060300	Eye and vision services; technician/technologist; ocularist
060400	Eye and vision services; technician/technologist; ophthalmic medical assistant
060500	Eye and vision services; technician/technologist; ophthalmic
060600	Eye and vision services; technician/technologist; optician
060700	Eye and vision services; optometric assistant/technician
060701	Eye and vision services; technician/technologist; optometric assistant
060702	Eye and vision services; technician/technologist; optometric technician
060800	Eye and vision services; optometrist
060801	Eye and vision services; optometrist; contact lens
060802	Eye and vision services; optometrist; low vision
060803	Eye and vision services; optometrist; occupational vision
060804	Eye and vision services; optometrist; pediatric

Value	Description
060805	Eye and vision services; optometrist; sports vision
060806	Eye and vision services; optometrist; vision therapy
060900	Eye and vision services; technician/technologist; orthoptist
070000	Nursing services
070101	Nursing services; registered nurse; psychiatric/mental health, adult
070102	Nursing services; clinical specialist; child and adolescent psychiatric
070105	Nursing services; clinical specialist; medical
070200	Nursing services; nurse anesthetist (CRNA)
070300	Nursing services; nurse massage therapist (NMT)
070500	Nursing services; nurse practitioner
070501	Nursing services; nurse practitioner; adult nurse practitioner
070502	Nursing services; nurse practitioner; family nurse practitioner
070503	Nursing services; nurse practitioner; gerontological nurse practitioner
070600	Nursing services; registered nurse; administrator
070800	Nursing services; other nursing services (non-RN's)
070802	Nursing services; other nursing services (non-RN's); graduate nurse
070804	Nursing services; licensed practical nurse
070805	Nursing services; licensed vocational nurse
070806	Nursing services; other nursing services (non-RN's); nurses aide
070900	Nursing services; registered nurse
070901	Nursing services; registered nurse; addiction (substance use disorder)
070902	Nursing services; registered nurse; post
070903	Nursing services; registered nurse; women health care, ambulatory
070904	Nursing services; registered nurse; cardiac rehabilitation
070905	Nursing services; registered nurse; case management
070906	Nursing services; registered nurse; college health
070907	Nursing services; registered nurse; community health
070908	Nursing services; registered nurse; continence care
070909	Nursing services; registered nurse; critical care medicine
070910	Nursing services; registered nurse; diabetes educator
070911	Nursing services; registered nurse; emergency
070912	Nursing services; registered nurse; enterstomal therapy
070913	Nursing services; registered nurse; flight
070914	Nursing services; registered nurse; gastroenterology
070915	Nursing services; registered nurse; general practice
070916	Nursing services; registered nurse; gerontology
070917	Nursing services; registered nurse; hemodialysis
070918	Nursing services; registered nurse; obstetric, high-risk
070919	Nursing services; registered nurse; home health
070920	Nursing services; registered nurse; hospice
070921	Nursing services; registered nurse; infection control
070923	Nursing services; registered nurse; intravenous therapy
070924	Nursing services; registered nurse; lactation consultant
070926	Nursing services; registered nurse; maternal newborn

Value	Description
070927	Nursing services; registered nurse; medical
070928	Nursing services; registered nurse; neonatal intensive care
070929	Nursing services; registered nurse; nephrology
070930	Nursing services; registered nurse; neuroscience
070931	Nursing services; registered nurse; continuing education/staff development
070932	Nursing services; registered nurse; nutrition support
070933	Nursing services; registered nurse; occupational health
070934	Nursing services; registered nurse; oncology
070935	Nursing services; registered nurse; operating room
070936	Nursing services; registered nurse; ophthalmic
070937	Nursing services; registered nurse; orthopaedic
070938	Nursing services; registered nurse; ostomy care
070939	Nursing services; registered nurse; otorhinolaryngology & head
070940	Nursing services; registered nurse; pain management
070944	Nursing services; registered nurse; dialysis, peritoneal
070945	Nursing services; registered nurse; surgery, plastic
070946	Nursing services; registered nurse; post
070947	Nursing services; registered nurse; psychiatric/mental health
070948	Nursing services; registered nurse; rehabilitation
070949	Nursing services; registered nurse; reproductive endocrinology/infertility
070950	Nursing services; registered nurse; school
070951	Nursing services; registered nurse; urology
070952	Nursing services; registered nurse; wound care
080000	Other services
080100	Other services; acupuncturist
080200	Other services; driver
080201	Other services; driver; paid driver
080500	Other services; contractor; home modifications
080501	Other services; contractor
080700	Other services; homeopath
081000	Other services; midwife, lay (non-nurse)
081100	Other services; naturopath
081300	Other services; other (as specified)
081700	Other services; funeral director
081800	Other services; legal medicine
081900	Other services; specialist
081901	Other services; specialist; graphics designer
081903	Other services; specialist; research data abstracter/coder
081904	Other services; specialist; research study
081905	Other services; specialist; prosthetics case management
082001	Other services; veterinarian; medical research
082200	Other services; registered nurse
090000	Pharmacy services
090100	Pharmacy services; pharmacist

Value	Description
090101	Pharmacy services; pharmacist; general practice
090102	Pharmacy services; pharmacist; nuclear pharmacy
090103	Pharmacy services; pharmacist; nutrition support
090104	Pharmacy services; pharmacist; phamacotherapy
090105	Pharmacy services; pharmacist; psychopharmacy
090200	Pharmacy services; technician; pharmacy
090201	Pharmacy services; technician
100000	Physician assistants & advanced practice nursing; physician assistant
100100	Physician assistants & advanced practice nursing; physician assistant; medical
100200	Physician assistants & advanced practice nursing; physician assistant; surgical
100300	Physician assistants & advanced practice nursing; clinical nurse specialist
100301	Physician assistants & advanced practice nursing; clinical nurse specialist; adult care
100302	Physician assistants & advanced practice nursing; clinical nurse specialist; adult health
100303	Physician assistants & advanced practice nursing; clinical nurse specialist; chronic care
100304	Physician assistants & advanced practice nursing; clinical nurse specialist; community health/public health
100305	Physician assistants & advanced practice nursing; clinical nurse specialist; critical care medicine
100306	Physician assistants & advanced practice nursing; clinical nurse specialist; emergency
100308	Physician assistants & advanced practice nursing; clinical nurse specialist; family health
100309	Physician assistants & advanced practice nursing; clinical nurse specialist; gerontology
100310	Physician assistants & advanced practice nursing; clinical nurse specialist; holistic
100311	Physician assistants & advanced practice nursing; clinical nurse specialist; home health
100312	Physician assistants & advanced practice nursing; clinical nurse specialist; informatics
100313	Physician assistants & advanced practice nursing; clinical nurse specialist; long-term care
100314	Physician assistants & advanced practice nursing; clinical nurse specialist; medical
100315	Physician assistants & advanced practice nursing; clinical nurse specialist; neonatal
100316	Physician assistants & advanced practice nursing; clinical nurse specialist; neonatal, high-risk
100317	Physician assistants & advanced practice nursing; clinical nurse specialist; neuroscience

Value	Description
100318	Physician assistants & advanced practice nursing; clinical nurse specialist; occupational health
100319	Physician assistants & advanced practice nursing; clinical nurse specialist; oncology
100321	Physician assistants & advanced practice nursing; clinical nurse specialist; pediatrics
100323	Physician assistants & advanced practice nursing; clinical nurse specialist; perioperative
100324	Physician assistants & advanced practice nursing; clinical nurse specialist; psychiatric/mental health
100325	Physician assistants & advanced practice nursing; clinical nurse specialist; psychiatric/mental health, adult
100326	Physician assistants & advanced practice nursing; clinical nurse specialist; psychiatric/mental health child & adult
100327	Physician assistants & advanced practice nursing; clinical nurse specialist; psychiatric/mental health, child & adult
100328	Physician assistants & advanced practice nursing; clinical nurse specialist; psychiatric/mental health, chronic illness
100329	Physician assistants & advanced practice nursing; clinical nurse specialist; psychiatric/mental health, communi
100330	Physician assistants & advanced practice nursing; clinical nurse specialist; psychiatric/mental health, geropsy
100331	Physician assistants & advanced practice nursing; clinical nurse specialist; rehabilitation
100332	Physician assistants & advanced practice nursing; clinical nurse specialist; rural health
100333	Physician assistants & advanced practice nursing; clinical nurse specialist; school
100334	Physician assistants & advanced practice nursing; clinical nurse specialist; transplantation
100335	Physician assistants & advanced practice nursing; clinical nurse specialist; women's health
100400	Physician assistants & advanced practice nursing; midwife, certified
100401	Physician assistants & advanced practice nursing; midwife, certified
100500	Physician assistants & advanced practice nursing; nurse anesthetist, certified registered
100600	Physician assistants & advanced practice nursing; nurse practitioner
100601	Physician assistants & advanced practice nursing; nurse practitioner; acute care
100602	Physician assistants & advanced practice nursing; nurse practitioner; adult health
100603	Physician assistants & advanced practice nursing; nurse practitioner; community health
100604	Physician assistants & advanced practice nursing; nurse practitioner; critical care medicine

Value	Description
100605	Physician assistants & advanced practice nursing; nurse practitioner; family
100606	Physician assistants & advanced practice nursing; nurse practitioner; gerontology
100607	Physician assistants & advanced practice nursing; nurse practitioner; neonatal
100608	Physician assistants & advanced practice nursing; nurse practitioner; neonatal; critical care
100609	Physician assistants & advanced practice nursing; nurse practitioner; obstetrics & gynecology
100610	Physician assistants & advanced practice nursing; nurse practitioner; occupational health
100611	Physician assistants & advanced practice nursing; nurse practitioner; pediatrics
100612	Physician assistants & advanced practice nursing; nurse practitioner; pediatrics: acute care
100613	Physician assistants & advanced practice nursing; nurse practitioner; pediatrics: critical care
100614	Physician assistants & advanced practice nursing; nurse practitioner; perinatal
100615	Physician assistants & advanced practice nursing; nurse practitioner; primary care
100616	Physician assistants & advanced practice nursing; nurse practitioner; psychiatric/mental health
100617	Physician assistants & advanced practice nursing; nurse practitioner; school
100618	Physician assistants & advanced practice nursing; nurse practitioner; women's health
110000	Physicians (MD and DO); physician/osteopath
110100	Physicians (MD and DO); physician/osteopath; addiction medicine
110200	Physicians (MD and DO); physician/osteopath; allergy
110300	Physicians (MD and DO); physician/osteopath; allergy & immunology
110301	Physicians (MD and DO); physician/osteopath; immunology, cli & lab, allergy & immunology
110400	Physicians (MD and DO); physician/osteopath; anesthesiology
110401	Physicians (MD and DO); physician/osteopath; critical care medicine; anesthesia
110402	Physicians (MD and DO); physician/osteopath; pain management – anesthesiology
110404	Physicians (MD and DO); physician/osteopath; pain management
110500	Physicians (MD and DO); physician/osteopath; body imaging
110600	Physicians (MD and DO); physician/osteopath; cardiology
110700	Physicians (MD and DO); physician/osteopath; dermatology
110701	Physicians (MD and DO); physician/osteopath; immunology, clin & lab dermatological
110702	Physicians (MD and DO); physician/osteopath; dermatopathology; dermatology
110800	Physicians (MD and DO); physician/osteopath; emergency medicine

Value	Description
110801	Physicians (MD and DO); physician/osteopath; toxicology, medical; emergency medicine
110803	Physicians (MD and DO); physician/osteopath; sports medicine; emergency medicine
110900	Physicians (MD and DO); physician/osteopath; family practice
110901	Physicians (MD and DO); physician/osteopath; geriatric medicine; family practice
110902	Physicians (MD and DO); physician/osteopath; sports medicine; family practice
111000	Physicians (MD and DO); physician/osteopath; general practice
111100	Physicians (MD and DO); physician/osteopath; geriatric medicine; general practice
111200	Physicians (MD and DO); physician/osteopath; hematology & oncology
111300	Physicians (MD) and osteopaths (DO); intern, allopathic
111400	Physicians (MD) and osteopaths (DO); intern, osteopathic
111500	Physicians (MD and DO); physician/osteopath; internal medicine
111501	Physicians (MD and DO); physician/osteopath; adolescent medicine; internal medicine
111502	Physicians (MD and DO); physician/osteopath; cardiac electrophysiology
111503	Physicians (MD and DO); physician/osteopath; cardiovascular disease
111504	Physicians (MD and DO); physician/osteopath; immunology, clin & lab internal medicine
111505	Physicians (MD and DO); physician/osteopath; critical care medicine; internal medicine
111506	Physicians (MD and DO); physician/osteopath; endocrinology, diabetes and metabolism
111507	Physicians (MD and DO); physician/osteopath; gastroenterology
111508	Physicians (MD and DO); physician/osteopath; geriatric medicine; internal medicine
111509	Physicians (MD and DO); physician/osteopath; hematology; internal medicine
111510	Physicians (MD and DO); physician/osteopath; infectious disease
111511	Physicians (MD and DO); physician/osteopath; oncology, medicine
111512	Physicians (MD and DO); physician/osteopath; nephrology
111513	Physicians (MD and DO); physician/osteopath; pulmonary disease
111514	Physicians (MD and DO); physician/osteopath; pulmonary medicine
111515	Physicians (MD and DO); physician/osteopath; rheumatology
111516	Physicians (MD and DO); physician/osteopath; sports medicine; internal medicine
111517	Physicians (MD and DO); physician/osteopath; internal medicine: hematology
111518	Physicians (MD and DO); physician/osteopath; internal medicine: cardiology
111520	Physicians (MD and DO); physician/osteopath; internal medicine: peripheral vascular
111521	Physicians (MD and DO); physician/osteopath; internal medicine: pulmonary critical

Value	Description
111600	Physicians (MD and DO); physician/osteopath; laboratory medicine
111800	Physicians (MD and DO); physician/osteopath; medical diseases of the chest
111900	Physicians (MD and DO); physician/osteopath; genetics, medical
111901	Physicians (MD and DO); physician/osteopath; genetics, clinical biochemical
111903	Physicians (MD and DO); physician/osteopath; cylogenetics, clinical
111904	Physicians (MD and DO); physician/osteopath; genetics, clinical (MD)
111905	Physicians (MD and DO); physician/osteopath; genetics, clinical molecular
111906	Physicians (MD and DO); physician/osteopath; molecular genetic pathology
112100	Physicians (MD and DO); physician/osteopath; neurology
112101	Physicians (MD and DO); physician/osteopath; pediatric neurological surgery
112200	Physicians (MD and DO); physician/osteopath; neurology, child
112300	Physicians (MD and DO); physician/osteopath; neuroradiology
112400	Physicians (MD and DO); physician/osteopath; nuclear cardiology
112500	Physicians (MD and DO); physician/osteopath; nuclear imaging & therapy
112600	Physicians (MD and DO); physician/osteopath; nuclear medicine
112601	Physicians (MD and DO); physician/osteopath; nuclear medicine, in vivo & vitro
112800	Physicians (MD and DO); physician/osteopath; obstetrics
112900	Physicians (MD and DO); physician/osteopath; obstetrics & gynecology
112901	Physicians (MD and DO); physician/osteopath; critical care medicine; ob/gyn
112902	Physicians (MD and DO); physician/osteopath; oncology, gynecologic
112903	Physicians (MD and DO); physician/osteopath; maternal and fetal medicine
112904	Physicians (MD and DO); physician/osteopath; endocrinology, reproductive
113000	Physicians (MD and DO); physician/osteopath; ophthalmology
113100	Physicians (MD and DO); physician/osteopath
113001	Physicians (MD and DO); physician/osteopath; ophthalmology: pediatric ophthalmology
113200	Physicians (MD and DO); physician/osteopath; osteopathic manipulative medicine, special proficiency
113300	Physicians (MD and DO); physician/osteopath; otolaryngology
113301	Physicians (MD and DO); physician/osteopath; otology/neurotology
113302	Physicians (MD and DO); physician/osteopath; pediatric otolaryngology
113400	Physicians (MD and DO); physician/osteopath; otology
113500	Physicians (MD and DO); physician/osteopath; otorhinolaryngology
113600	Physicians (MD and DO); physician/osteopath; surgery, otorhinolaryngology & facial plastic surgery
113700	Physicians (MD and DO); physician/osteopath; pathology
113701	Physicians (MD and DO); physician/osteopath; pathology, anatomic & clinical
113702	Physicians (MD and DO); physician/osteopath; pathology, anatomic
113703	Physicians (MD and DO); physician/osteopath; pathology, anatomic & laboratory medicine
113704	Physicians (MD and DO); physician/osteopath; blood banking/transfusion medicine
113705	Physicians (MD and DO); physician/osteopath; pathology, chemical

Value	Description
113706	Physicians (MD and DO); physician/osteopath; pathology, clinical
113707	Physicians (MD and DO); physician/osteopath; cytopathology
113708	Physicians (MD and DO); physician/osteopath; dermatopathology
113709	Physicians (MD and DO); physician/osteopath; forensic pathology
113710	Physicians (MD and DO); physician/osteopath; hematology: pathology
113711	Physicians (MD and DO); physician/osteopath; immunopathology
113712	Physicians (MD and DO); physician/osteopath; medical microbiology
113713	Physicians (MD and DO); physician/osteopath; neuropathology
113714	Physicians (MD and DO); physician/osteopath; pediatric pathology
114000	Physicians (MD and DO); physician/osteopath; pediatric neurology
114100	Physicians (MD and DO); physician/osteopath; psychiatry, pediatric
114200	Physicians (MD and DO); physician/osteopath; pediatric
114205	Physicians (MD and DO); physician/osteopath; pediatric cardiology
114207	Physicians (MD and DO); physician/osteopath; pediatric emergency medicine
114210	Physicians (MD and DO); physician/osteopath; pediatric hematology and oncology
114212	Physicians (MD and DO); physician/osteopath; pediatric nephrology
114213	Physicians (MD and DO); physician/osteopath; pediatric pulmonology
114216	Physicians (MD and DO); physician/osteopath; sports medicine: pediatrics
114300	Physicians (MD and DO); physician/osteopath; pediatric radiology
114400	Physicians (MD and DO); physician/osteopath; pharmacology, clinical
114500	Physicians (MD and DO); physician/osteopath; physical medicine & rehabilitation
114503	Physicians (MD and DO); physician/osteopath; physical medicine & rehabilitation: sports medicine
114504	Physicians (MD and DO); physician/osteopath; physical medicine & rehabilitation: spinal cord injury
114600	Physicians (MD and DO); physician/osteopath; preventive medicine, general
114601	Physicians (MD and DO); physician/osteopath; aerospace medicine; preventive medicine
114602	Physicians (MD and DO); physician/osteopath; toxicology, medical; preventive medicine
114603	Physicians (MD and DO); physician/osteopath; occupational medicine; preventive medicine
114604	Physicians (MD and DO); physician/osteopath; occupational medicine
114605	Physicians (MD and DO); physician/osteopath; public health and general preventive medicine
114606	Physicians (MD and DO); physician/osteopath; underseas medicine: preventive medicine
114700	Physicians (MD and DO); physician/osteopath; preventive medicine: sports medicine
114800	Physicians (MD and DO); physician/osteopath; psychiatry & neurology
114801	Physicians (MD and DO); physician/osteopath; psychiatry addiction
114802	Physicians (MD and DO); physician/osteopath; psychiatry child & adolescent

Value	Description
114803	Physicians (MD and DO); physician/osteopath; neurophysiology clinical
114804	Physicians (MD and DO); physician/osteopath; forensic psychiatry
114805	Physicians (MD and DO); physician/osteopath; psychiatry geriatric
114806	Physicians (MD) and osteopaths (DO); psychiatry and neurology; neurology
114808	Physicians (MD and DO); physician/osteopath; psychiatry
114809	Physicians (MD and DO); physician/osteopath; neurodevelopmental disabilities
114900	Physicians (MD and DO); physician/osteopath; psychiatry, child
115000	Physicians (MD) and osteopaths (DO); psychoanalysis
115100	Physicians (MD and DO); physician/osteopath; radiation therapy
115200	Physicians (MD and DO); physician/osteopath; pathology, radioisotopic
115300	Physicians (MD and DO); physician/osteopath; radiology
115301	Physicians (MD and DO); physician/osteopath; radiology, diagnostic
115302	Physicians (MD and DO); physician/osteopath; nuclear radiology
115304	Physicians (MD and DO); physician/osteopath; radiation oncology
115305	Physicians (MD and DO); physician/osteopath; radiological physics
115306	Physicians (MD) and osteopaths (DO); radiology; radiology
115307	Physicians (MD and DO); physician/osteopath; radiology, vascular & interventional
115308	Physicians (MD and DO); physician/osteopath; abdominal radiology
115309	Physicians (MD and DO); physician/osteopath; musculoskeletal radiology
115400	Physicians (MD and DO); physician/osteopath; rehabilitation medicine
115500	Physicians (MD) and osteopaths (DO); resident, allopathic
115600	Physicians (MD) and osteopaths (DO); resident, osteopathic
115700	Physicians (MD) and osteopaths (DO); surgery
115701	Physicians (MD and DO); physician/osteopath; surgery, general vascular
115702	Physicians (MD) and osteopaths (DO); surgery; oncology
115703	Physicians (MD and DO); physician/osteopath; surgery, pediatric
115704	Physicians (MD and DO); physician/osteopath; surgery, hand
115705	Physicians (MD and DO); physician/osteopath; surgical critical care; surgery
115800	Physicians (MD and DO); physician/osteopath; surgery, cardiovascular
115900	Physicians (MD and DO); physician/osteopath; surgery, colon & rectal surgery
116000	Physicians (MD and DO); physician/osteopath; dermatology micrographic surgery
116100	Physicians (MD and DO); physician/osteopath; surgery, general
116200	Physicians (MD and DO); physician/osteopath; surgery, head & neck
116300	Physicians (MD) and osteopaths (DO); surgery, maxillofacial
116400	Physicians (MD and DO); physician/osteopath; surgery, neurological
116500	Physicians (MD and DO); physician/osteopath; surgery, obstetric & gynecologic
116600	Physicians (MD and DO); physician/osteopath; surgery, orthopedic
116700	Physicians (MD and DO); physician/osteopath; surgery, orthopedic, adult reconstructive

Value	Description
116800	Physicians (MD and DO); physician/osteopath; surgery, hand; orthopedic surgery
116900	Physicians (MD and DO); physician/osteopath; surgery, orthopedic, musculoskeletal oncology
117000	Physicians (MD and DO); physician/osteopath; surgery, orthopedic, pediatric
117100	Physicians (MD and DO); physician/osteopath; surgery, orthopedic, spine
117300	Physicians (MD and DO); physician/osteopath; surgery, orthopedic, trauma
117400	Physicians (MD and DO); physician/osteopath; surgery, plastic
117401	Physicians (MD and DO); physician/osteopath; surgery, hand; plastic surgery
117402	Physicians (MD and DO); physician/osteopath; plastic surgery: craniofacial surgery
117403	Physicians (MD and DO); physician/osteopath; plastic surgery within head and neck
117500	Physicians (MD and DO); physician/osteopath; surgery, plastic & reconstructive
117700	Physicians (MD and DO); physician/osteopath; surgery, thoracic
117800	Physicians (MD and DO); physician/osteopath; surgery, thoracic cardiovascular
117900	Physicians (MD and DO); physician/osteopath; surgery, traumatic
118000	Physicians (MD and DO); physician/osteopath; surgery, urological
118100	Physicians (MD and DO); physician/osteopath; ultrasound, diagnostic
118200	Physicians (MD and DO); physician/osteopath; urology
118201	Physicians (MD and DO); physician/osteopath; radiology urology
118302	Physicians (MD and DO); physician/osteopath; adolescent medicine; family practitioner
118304	Physicians (MD and DO); physician/osteopath; allergy & immunology; internal medicine
118307	Physicians (MD and DO); physician/osteopath; age specific, greater than 1 year old
118310	Physicians (MD and DO); physician/osteopath; cardiac electrophysiology, clinical
118313	Physicians (MD and DO); physician/osteopath; endocrinology
118314	Physicians (MD and DO); physician/osteopath; geriatric medicine
118315	Physicians (MD and DO); physician/osteopath; gynecology
118316	Physicians (MD and DO); physician/osteopath; hematology
118317	Physicians (MD and DO); physician/osteopath; immunology, clinical and laboratory
118318	Physicians (MD and DO); physician/osteopath; immunology, dermatological
118325	Physicians (MD and DO); physician/osteopath; pain medicine
118326	Physicians (MD and DO); physician/osteopath; radiology, angiography & interventional
118327	Physicians (MD and DO); physician/osteopath; radiology, therapeutic
118331	Physicians (MD and DO); physician/osteopath; roentgenology, diagnostic
118336	Physicians (MD and DO); physician/osteopath; thermography

Value	Description
118337	Physicians (MD and DO); physician/osteopath; occupational medicine
118338	Physicians (MD and DO); physician/osteopath; oncology
118339	Physicians (MD and DO); physician/osteopath; otorhinolaryngology & head
118340	Physicians (MD and DO); physician/osteopath; otorhinolaryngology & head
118341	Physicians (MD and DO); physician/osteopath; foot and ankle orthopedic
120000	Podiatric medicine and surgery
120100	Podiatric medicine and surgery services; assistant, podiatric
120200	Podiatric medicine and surgery services; podiatrist
120202	Podiatric medicine and surgery; podiatrist; foot and ankle orthopaedics/biomechanics
120204	Podiatric medicine and surgery services; podiatrist; surgery, foot & ankle
120205	Podiatric medicine and surgery services; podiatrist; surgery, foot
120206	Podiatric medicine and surgery services; podiatrist; general practice
120208	Podiatric medicine and surgery; podiatrist; podiatric orthopedics
120209	Podiatric medicine and surgery services; podiatrist; primary podiatric medicine
120210	Podiatric medicine and surgery services; podiatrist; preventive medicine: public heal
130000	Respiratory, rehabilitative and restorative services
130100	Respiratory, rehabilitative and restorative services; occupational therapist
130101	Respiratory, rehabilitative and restorative services; occupational therapist assistant
130102	Respiratory, rehabilitative and restorative services; occupational therapist; hand
130103	Respiratory, rehabilitative and restorative services; occupational therapist; registered occupational therapist
130104	Respiratory, rehabilitative and restorative services; occupational therapist; case management
130105	Respiratory, rehabilitative and restorative services; occupational therapist; ergonomics
130106	Respiratory, rehabilitative and restorative services; occupational therapist; human factors
130107	Respiratory, rehabilitative and restorative services; occupational therapist; neurorehabilitation
130108	Respiratory, rehabilitative and restorative services; occupational therapist; pediatrics
130109	Respiratory, rehabilitative and restorative services; occupational therapist; rehabilitation, driver
130200	Respiratory, rehabilitative and restorative services; other
130201	Respiratory, rehabilitative and restorative services; art therapist
130202	Respiratory, rehabilitative and restorative services; specialist/technologist; athletic trainer
130204	Respiratory, rehabilitative and restorative services; massage therapist
130205	Respiratory, rehabilitative and restorative services; music therapist

Value	Description
130206	Respiratory, rehabilitative and restorative services; specialist/technologist; rehabilitation, blind
130207	Respiratory, rehabilitative and restorative services; orthotics/prosthetics fitter
130208	Respiratory, rehabilitative and restorative services; other; orthotist
130209	Respiratory, rehabilitative and restorative services; recreation therapist
130210	Respiratory, rehabilitative and restorative services; other; rehabilitation coordinator
130212	Respiratory, rehabilitative and restorative services; other; vocational specialist
130213	Respiratory, rehabilitative and restorative services; orthotist
130214	Respiratory, rehabilitative and restorative services; prosthetist
130300	Respiratory, rehabilitative and restorative services; physical therapist
130301	Respiratory, rehabilitative and restorative services; physical therapist; cardiopulmonary
130302	Respiratory, rehabilitative and restorative services; physical therapist; electrophysiology, clinical
130303	Respiratory, rehabilitative and restorative services; physical therapist; geriatric
130304	Respiratory, rehabilitative and restorative services; physical therapist; hand
130305	Respiratory, rehabilitative and restorative services; physical therapist; neurology
130306	Respiratory, rehabilitative and restorative services; physical therapist; orthopaedic
130307	Respiratory, rehabilitative and restorative services; physical therapist; pediatrics
130308	Respiratory, rehabilitative and restorative services; physical therapist assistant
130309	Respiratory, rehabilitative and restorative services; physical therapist; sports
130310	Respiratory, rehabilitative and restorative services; physical therapist; case management
130311	Respiratory, rehabilitative and restorative services; physical therapist; ergonomics
130312	Respiratory, rehabilitative and restorative services; physical therapist; human factors
130400	Respiratory, rehabilitative and restorative services; rehabilitation practitioner
130403	Respiratory, rehabilitative and restorative services; rehabilitation practitioner; rehabilitation coordinator
130404	Respiratory, rehabilitative and restorative services; rehabilitation counselor
130405	Respiratory, rehabilitative and restorative services; rehabilitation practitioner; rehabilitation intern
130406	Respiratory, rehabilitative and restorative services; rehabilitation counselor; assistive technology practitioner
130407	Respiratory, rehabilitative and restorative services; rehabilitation counselor; assistive technology supplier
130501	Respiratory, rehabilitative and restorative services; respiratory care practitioner; certified respiratory therapy technologist

Value	Description
130504	Respiratory, rehabilitative and restorative services; respiratory care practitioner; inhalation therapist
130506	Respiratory, rehabilitative and restorative services; pulmonary function technologist
130507	Respiratory, rehabilitative and restorative services; respiratory care practitioner; registered respiratory therapist
130508	Respiratory, rehabilitative and restorative services; respiratory therapist
130511	Respiratory, rehabilitative and restorative services; respiratory therapist; perinatal
130513	Respiratory, rehabilitative and restorative services; respiratory therapist
130600	Respiratory, rehabilitative and restorative services; kinesiotherapist
140000	Speech, language and hearing services
140100	Speech, language and hearing services; audiologist
140101	Speech, language and hearing services; audiologist; assistive technology practitioner
140102	Speech, language and hearing services; audiologist; assistive technology supplier
140200	Speech, language and hearing services; audiologist
140300	Speech, language and hearing services; hearing instrument specialist
140400	Speech, language and hearing services; speech and hearing therapist
140500	Speech, language and hearing services; speech
140600	Speech, language and hearing services; specialist/technologist; speech/language assistant
140601	Speech, language and hearing services; specialist/technologist
140701	Speech, language and hearing services; specialist/technologist; audiology assistant
150000	Technologists, technicians & other technical
150100	Technologists, technicians & other technical; clinical pathology
150104	Technologists, technicians & other technical; specialist/technologist, pathology; laboratory management, diplomate
150105	Technologists, technicians & other technical; specialist/technologist, pathology; hemapheresis practitioner
150106	Technologists, technicians & other technical; technician, pathology; histology
150107	Technologists, technicians & other technical; specialist/technologist, pathology; histology
150108	Technologists, technicians & other technical; technician, pathology; medical laboratory
150109	Technologists, technicians & other technical; specialist/technologist, pathology; medical technologist
150110	Technologists, technicians & other technical; technician, pathology; phlebotomy
150111	Technologists, technicians & other technical; specialist/technologist, pathology; blood banking

Value	Description
150112	Technologists, technicians & other technical; specialist/technologist, pathology; chemistry
150113	Technologists, technicians & other technical; specialist/technologist, pathology; cytotechnology
150114	Technologists, technicians & other technical; specialist/technologist, pathology; hematology
150115	Technologists, technicians & other technical; specialist/technologist, pathology; microbiology
150119	Technologists, technicians & other technical; specialist/technologist, pathology; immunology
150200	Technologists, technicians & other technical; clinical services
150201	Technologists, technicians & other technical; specialist/technologist, pathology; biomedical engineering
150202	Technologists, technicians & other technical; technician, other; biomedical engineering
150203	Technologists, technicians & other technical; specialist/technologist, cardiology; cardiovascular: invasive technology
150204	Technologists, technicians & other technical; specialist/technologist, cardiology; cardiology
150205	Technologists, technicians & other technical; specialist/technologist, cardiology; cardiopulmonary
150206	Technologists, technicians & other technical; clinical services; cardiothoracic technician
150207	Technologists, technicians & other technical; specialist/technologist, cardiology; perfusionist
150208	Technologists, technicians & other technical; technician, cardiology; ECG
150209	Technologists, technicians & other technical; technician, other; EEG
150210	Technologists, technicians & other technical; specialist/technologist, other; EEG
150211	Technologists, technicians & other technical; specialist/technologist, other; electroneurodiagnostic
150212	Technologists, technicians & other technical; specialist/technologist, other; graphics methods
150214	Technologists, technicians & other technical; specialist/technologist, other; geneticist, medical (PhD)
150215	Technologists, technicians & other technical; clinical services; pulmonary clinician
150216	Technologists, technicians & other technical; technician, other; renal dialysis
150218	Technologists, technicians & other technical; specialist/technologist, other; surgical
150219	Technologists, technicians & other technical; clinical services; ultrasound technologist
150220	Technologists, technicians & other technical; clinical services
150221	Technologists, technicians & other technical; clinical services

Value	Description
150300	Technologists, technicians & other technical; radiologic sciences
150301	Technologists, technicians & other technical; radiologic technologist; cardiovascular
150302	Technologists, technicians & other technical; radiologic sciences; computed tomography technologist
150303	Technologists, technicians & other technical; technician, other; darkroom
150304	Technologists, technicians & other technical; specialist/technologist, cardiology; sonography, diagnostic cardiac
150305	Technologists, technicians & other technical; radiologic sciences; diagnostic imaging operation tech
150306	Technologists, technicians & other technical; radiologic technologist; sonography, diagnostic medical
150307	Technologists, technicians & other technical; radiologic sciences; magnetic resonance technologist
150308	Technologists, technicians & other technical; radiologic technologist; mammography; radiography
150310	Technologists, technicians & other technical; radiologic technologist; nuclear medicine technology
150311	Technologists, technicians & other technical; radiologic technologist; radiation physicist
150312	Technologists, technicians & other technical; radiologic technologist; radiation therapy
150313	Technologists, technicians & other technical; radiologic technologist; radiographer
150314	Technologists, technicians & other technical; radiologic sciences; radiologic technician
150315	Technologists, technicians & other technical; radiologic sciences; radiologic technologist
150316	Technologists, technicians & other technical; radiologic technologist; dosimetrist, medical
150317	Technologists, technicians & other technical; radiologic sciences; vascular technologist
150318	Technologists, technicians & other technical; radiologic technologist; computed tomography: radiation therapy
150319	Technologists, technicians & other technical; radiologic technologist; computed tomography: radiography
150320	Technologists, technicians & other technical; radiologic technologist; magnetic resonance imaging (MRI):r
150321	Technologists, technicians & other technical; radiologic technologist; magnetic resonance imaging (MRI):r
150322	Technologists, technicians & other technical; radiologic technologist; quality management: radiation therapy
150323	Technologists, technicians & other technical; radiologic technologist; quality management; radiographer
150324	Technologists, technicians & other technical; radiologic technologist

Value	Description
150403	Technologists, technicians & other technical; specialist/technologist, other; biomedical photographer
150404	Technologists, technicians & other technical; specialist/technologist, other; biostatistician
150406	Technologists, technicians & other technical; specialist/technologist, other; art, medical
150407	Technologists, technicians & other technical; specialist/technologist, other; illustration, medical
150410	Technologists, technicians & other technical; research; research study specialist
150414	Technologists, technicians & other technical; technician, other; veterinary
150601	Technologists, technicians & other technical; specialist/technologist, pathology; laboratory management
150701	Technologists, technicians & other technical; specialist/technologist, cardiology; cardiovascular, noninvasive technologist
150702	Technologists, technicians & other technical; specialist/technologist, cardiology; cardiovascular vascular technologist
150703	Technologists, technicians & other technical; specialist/technologist, cardiology; vascular
150801	Technologists, technicians & other technical; technician, cardiology; cardiographic
150900	Technologists, technicians & other technical; specialist/technologist, health information
150901	Technologists, technicians & other technical; specialist/technologist, health information; coding specialist, hospital
150902	Technologists, technicians & other technical; specialist/technologist, health information; coding specialist, physician
150903	Technologists, technicians & other technical; specialist/technologist, health information; registered record administrator
151000	Technologists, technicians & other technical; specialist/technologist, other
151001	Technologists, technicians & other technical; specialist/technologist, other; biochemist
151003	Technologists, technicians & other technical; specialist/technologist, other; nephrology
151100	Technologists, technicians & other technical; technician, health information
151101	Technologists, technicians & other technical; technician, health information; assistant record technician
160101	Physicians (other roles); physician/osteopath; laboratory service provider
170100	Nursing service related; Christian science practitioner/nurse
170200	Nursing service related; home health aide
170300	Nursing service related; homemaker
170400	Nursing service related; nurses aide
170500	Nursing service related; nursing home administrator
170600	Nursing service related; technician; personal care attendant

Value	Description
170601	Nursing service related; technician

RACE1 – RACE7 can assume the following values:

Value	Description – Method of Data Collection
(blank)	Missing
3	American Indian Or Alaska Native-Missing
3O	American Indian Or Alaska Native-Observer
3P	American Indian Or Alaska Native-Proxy
3S	American Indian Or Alaska Native-Self-identification
3U	American Indian Or Alaska Native-Unknown By Patient
8	Asian-Missing
8O	Asian-Observer
8P	Asian-Proxy
8S	Asian-Self-identification
8U	Asian-Unknown By Patient
9	Black or African American-Missing
9O	Black or African American-Observer
9P	Black or African American-Proxy
9S	Black or African American-Self-identification
9U	Black or African American-Unknown By Patient
A	Native Hawaiian or Other Pacific Islander-Missing
AO	Native Hawaiian or Other Pacific Islander-Observer
AP	Native Hawaiian or Other Pacific Islander-Proxy
AS	Native Hawaiian or Other Pacific Islander-Self-identification
AU	Native Hawaiian or Other Pacific Islander-Unknown By Patient
B	White-Missing
BO	White-Observer
BP	White-Proxy
BS	White-Self-identification
BU	White-Unknown By Patient
C	Declined to Answer-Missing
CO	Declined to Answer-Observer
CP	Declined to Answer-Proxy
CS	Declined to Answer-Self-identification
CU	Declined to Answer-Unknown By Patient
D	Unknown-Missing
DO	Unknown-Observer
DP	Unknown-Proxy
DS	Unknown-Self-identification
DU	Unknown-Unknown By Patient

STA3N can assume the following values:

Value	Description
358	Manila
402	Togus
405	White River Junction
436	Fort Harrison, Montana HCS
437	Fargo
438	Sioux Falls
442	Cheyenne
452	VAMC Wichita, KS
459	Honolulu
460	Wilmington
463	Alaska HCS & RO
501	New Mexico HCS
502	Alexandria
503	James E. Van Zandt VAMC (Altoona)
504	Amarillo HCS
506	Ann Arbor HCS
508	Decatur, Atlanta
509	Augusta
512	Baltimore
515	Battle Creek
516	Bay Pines
517	Beckley
518	Bedford
519	West Texas HCS
520	Gulf Coast HCS
521	Birmingham
523	VA Boston HCS – Boston Div.
526	Bronx
528	Upstate New York HCS
529	Butler
531	Boise
534	Charleston
537	Chicago HCS
538	Chillicothe
539	Cincinnati
540	Clarksburg
541	Cleveland – Wade Park
542	Coatesville
544	Columbia SC
546	Miami

Value	Description
548	W Palm Beach
549	Dallas VAMC
550	Illiana HCS (Danville)
552	Dayton
553	Detroit (John D. Dingell)
554	Denver, Eastern Colorado HCS
556	North Chicago IL
557	Dublin
558	Durham
561	East Orange, New Jersey HCS
562	Erie
564	Fayetteville AR
565	Fayetteville NC
568	Fort Meade
570	Fresno, Central California HCS
573	North Florida / South Georgia HCS – Gainesville
575	Grand Junction
578	Hines
580	Houston
581	Huntington
583	Indianapolis
585	Iron Mountain MI
586	Jackson, G. V. (Sonny) Montgomery VAMC
589	VAMC Heartland, Kansas City
590	Hampton
593	Las Vegas, Southern Nevada HCS
595	Lebanon
596	Lexington – Leestown
598	Little Rock, Central AR. Veterans HCS LR
600	Long Beach HCS
603	Louisville
605	Loma Linda VAMC
607	Madison WI
608	Manchester
610	N. Indiana HCS – Marion
612	NCHC Martinez
613	Martinsburg
614	Memphis
618	Minneapolis
619	Montgomery
620	Montrose, Hudson Valley HCS
621	Mountain Home

Value	Description
623	Muskogee
626	Middle Tennessee HCS
629	New Orleans
630	New York Harbor HCS – NY Div.
631	Northampton
632	Northport
635	Oklahoma City
636	Omaha Division – Central Plains Health Network
637	Asheville – Oteen
640	Palo Alto – Palo Alto
642	Philadelphia
644	Phoenix
646	Pittsburgh HCS – University Drive
648	Portland
649	Northern Arizona HCS
650	Providence
652	Richmond
653	Roseburg HCS
654	Sierra Nevada HCS
655	Saginaw
656	St Cloud
657	St Louis – John Cochran
658	Salem
659	W.G. (Bill) Hefner Salisbury VAMC
660	Salt Lake City HCS
662	San Francisco
663	Seattle, Puget Sound HCS
664	San Diego HCS
666	Sheridan
667	Shreveport, Overton Brooks VAMC
668	Spokane
671	San Antonio VAMC
672	San Juan
673	Tampa
674	Temple VAMC
676	Tomah
678	S. Arizona HCS
679	Tuscaloosa
687	Walla Walla
688	Washington
689	West Haven
691	Greater Los Angeles HCS

Value	Description
693	Wilkes Barre
695	Milwaukee WI
756	El Paso HCS
767	Columbus – IOC

(This page intentionally left blank)

Appendix B: Austin Automation Center Information

Requesting Access to the Datasets

To gain access to the Medical SAS Datasets, an approved ACRS (Automated Customer Registration System) TIME SHARING REQUEST FORM (Form 9957) specifying the appropriate Functional Task Code(s) for the dataset(s) requested must be submitted to the Austin Automation Center (AAC). This is typically done through the Information Resources Management (IRM) department at your site. The AAC can provide you with the IRM contact person at your site. A copy of this form can be obtained through the VIREC web site at <http://www.virec.research.va.gov/Support/Training-NewUsersToolkit/Form9957.pdf>.

Batch Job Service Level Categories

When submitting programs (jobs) in the IBM OS/390 mainframe environment at the Austin Automation Center (AAC), an appropriate service level code is required to allocate the system resources required to complete the job. The AAC currently defines four categories of batch job service and strives to provide corresponding job turnaround, from submission to completion, as shown. The number of tape drives and CPU time expected can be determined from step statistics messages. The table below describes the four service level categories and their associated system resource capacity levels. Specific instruction on how to code the batch service level in a job is described in the Job Control Language (JCL) example below.

Service Level Code	CPU Seconds	Tape Drives	Turnaround Time Goal
6	0-10	0	15 minutes
7	10-50	0	30 minutes
8	0-600	1-2	2 hours
9	over 600	over 2	6 hours

JCL Example

```
(1) //yourIDx JOB XXXUNKA $n$ ,yourID,MSGCLASS=I,NOTIFY=&SYSUID
(2) //step1 EXEC SAS,WORK='100,100'
(3) //libref DD DSN=SAS-dataset-name,DISP=SHR
(3) //LIBRARY DD DSN=MDPPRD.MDP.FMTLIB6,DISP=SHR
(3) //SYSIN DD *
```

(1) Job card:

- **yourIDx** – Time Sharing Option (TSO) account user ID plus a one-character job identifier (x (A–Z)) (maximum 8 characters)
- **XXXUNKA n** – Batch job service level category (n , (6–9) (described in section above))
- **MSGCLASS= x** – supplies the SYSOUT class for the job's system messages (“I”=24 hour retention period, “R”=5 day retention period)
- **NOTIFY=&SYSUID** – notifies user ID when job has completed

(2) Execution statement:

- **step1** – job step name (maximum 8 characters)
- **EXEC SAS** – executes SAS software
- **WORK='p,s'** – primary and secondary work space to be allocated during step execution

(3) Data Definition (DD) statements

- **Libref** – library reference defining a file to be read (maximum 8 characters)
- **DSN= SAS-dataset-name** – defines a SAS dataset
- **DISP=SHR** – allocates dataset as “shared” or read-only
- **LIBRARY DD DSN=MDPPRD.MDP.FMTLIB6** – allocates dataset containing library of permanent SAS formats attached to the variables in the SAS datasets
- **SYSIN DD *** – indicates that SAS program statements follow

Other Sources of Information

Guide For First Time Users of VA Austin Automation Center (AAC). Available at:
<http://www.virec.research.va.gov/References/VirecInsights/Insights-v02n1.pdf>.

Suggested Citation: Cowper DC. *Guide for First Time Users of VA Austin Automation Center (AAC)*. Hines, IL: VA Information Resource Center; 2001. *VIREC In4sights*, Vol. 2, No. 1. (PDF)

The Austin Operations Intranet site provides tutorials on dataset management, Time Sharing Option/Interactive System Productivity Facility (TSO / ISPF), Job Control Language (JCL), Job Entry System ((E)JES) and File Transfer Protocol (FTP) utilities. Available at: [REDACTED].

Intranet addresses have been removed from this document. Intranet links are available on the Intranet version of this publication. For more information, please go to VIREC's Redaction Information web page:
<http://www.virec.research.va.gov/References/Redactions.htm>

AAC Contact Information

AAC Help Desk: 1-512-326-6780
Internet website: <http://www.aac.va.gov/>
Intranet website: [REDACTED]

