



## Standard Specification for Coded Values Used in the Electronic Health Record<sup>1</sup>

This standard is issued under the fixed designation E 1633; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

### 1. Scope\*

1.1 This specification covers the identification of the lexicons to be used for the data elements identified in Appendix X1 of Guide E 1384. It is intended to unify the representations for: (1) primary record of care data elements, (2) the data elements identified in other standard statistical data sets, (3) data elements used in other healthcare data message exchange format standards, or (4) in data gathering forms for this purpose, and (5) in data derived from these elements in order that data recorded in the course of patient care be exchangeable and be the source of accurate statistical and resource management data. This specification is applicable to all paper and automated systems.

### 2. Referenced Documents

#### 2.1 ASTM Standards:<sup>2</sup>

E 1238 Specification for Transferring Clinical Observations Between Independent Computer Systems

E 1239 Practice for Description of Reservation/Registration-Admission, Discharge, Transfer (R-ADT) Systems for Electronic Health Record (EHR) Systems

E 1384 Practice for Content and Structure of the Electronic Health Record (EHR)

E 1715 Practice for An Object-Oriented Model for Registration, Admitting, Discharge, and Transfer (RADT) Functions in Computer-Based Patient Record Systems

E 1744 Practice for View of Emergency Medical Care in the Electronic Health Record

#### 2.2 ANSI Standards:<sup>3</sup>

ANS X3.50 Representation of Date and Time

ANS X3.51 Representation of Common Units

#### 2.3 ISO Standards:<sup>3</sup>

ISO 639 Names of Languages

ISO 2955 Representation of SI Units

ISO 3166 Names of Countries

ISO 5218 Representation of Human Sexes

ISO 8601 Representation Dates

#### 2.4 Other Standards:

HL-7 Health Industry Level 7 Interface Standards<sup>4</sup>

### 3. Terminology

#### 3.1 Acronyms: Acronyms:

3.1.1 NCHS—National Center for Health Statistics

3.1.2 NCVHS—National Committee for Vital and Health Statistics

3.1.3 NOS—not otherwise specified

### 4. Significance and Use

4.1 *Purpose*—The approval of Guide E 1384, concerned with the structure and content of the computer-based patient record, now includes a formal indexing of data elements and a cataloging of the minimal essential value set for these elements. Indexing of these data elements with a unique identifier keyed to its position in the logical structure of Appendix X1 of Guide E 1384 now

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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

<sup>3</sup> Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.

<sup>4</sup> Available from Health Level 7, Mark McDougall, Executive Director, 900 Victors Way, Suite 122, Ann Arbor, MI 48108.

\*A Summary of Changes section appears at the end of this standard.

provides a means of cataloging the value sets representing each data element (see Guide E 1384). Specification E 1238, coordinated with Guide E 1239, describes conventions for representing many of the data values for data elements that are included in the more comprehensive listing in Guide E 1384. A comprehensive listing of all of the value sets associated with Guide E 1384 has not yet been assembled. This specification begins to catalog the representation conventions for a number of these elements and in particular to list the coded values. It is important that this catalog consider the traditionally assigned representations for each of these elements, and it must resolve differences in a manner that introduces systematics and consistency into the representation. The catalog must establish both a global framework consistent with international standardization and with long-term growth, while at the same time maximizing familiar or traditional representations. This standard has been developed with input from many organizations, including government agencies and other standards bodies and professional associations, and as a result of the effort to achieve consistency and comprehensiveness among the data dealt with by various standards efforts.

4.2 *General Values*— Early in the coordination of healthcare information standards an informal body, the Healthcare Information Standards Coordinating Committee (HISCC), identified certain common data element types and agreed upon conventions for representing these data element types in a standard manner. This set the stage for the development of the value sets for the CODED VALUE data type. The status of the standard noncoded data types, and their representations, agreed upon by the HISCC are:

4.2.1 *Person Names*— Specification E 1238, Guide E 1239, Practice E 1715, Practice E 1744, and HL-7 use the same representation for American and European forms.

4.2.2 *Addresses*—Common format in Specification E 1238, Guide E 1239, Practice E 1715, and Practice E 1744. .

4.2.3 *Telephone Numbers*—Specification E 1238 and Guide E 1239 currently use the same representation with area code enclosed in parentheses and country code preceding the parentheses.

4.2.4 *Dates*—Date and time represented as ANS X3.51-1986/ISO 8601-1988 with years in four digits; time not separated from date by “T” as permitted by ISO 8601.

4.2.5 *Numbers*—Numbers are represented either as integers or fixed point numbers; exponential notation not presently accepted in Specification E 1238, Guide E 1239, or HL-7. Units of Measure by ISO 2955-1983 or ANS X3.50-86.

4.2.6 *Strings*—7-bit ASCII characters; multilingual character sets not yet defined.<sup>5</sup>

## 5. Assignment of Coded Values

5.1 The major important data elements in Guide E 1384 having coded data types and the current status of the cataloging of their values are:

01035	Patient Multiple Birth code (5.2.23)
01040	Sex (5.2.20)
<del>01042</del>	<del>Race (5.2.3)</del>
01042	Biogeographic Ancestry (Race) (5.2.3)
01045	Ethnicity (5.2.4)
01047	Religion (5.2.7)
01052	Marital status (5.2.2)
01055	Nationality/Country of Origin (5.2.6)
01057	Language (5.2.5)
01060	Educational Level (5.2.8)
	Educational Certification (5.2.9)
01062	Current Work Status (5.2.24)
<del>01065</del>	<del>Occupation (5.2.11), also 01070,01090.03</del>
01065	Occupation (5.2.11) also 01070,01090.03
01067	Current Vocational Status (5.2.25)
01085	Usual Living arrangement (5.2.26)
01099	Foreign Residency Code (5.2.27)
01090.03	Family Relationship (5.2.10)
01155	Color Eyes (5.2.38)
01160	Color Hair (5.2.39)
01175	Body Build for Identification (5.2.40)
<del>01245</del>	<del>State-Death-Certificate-Recorded (5.2.62)</del>
<del>02052</del>	<del>Durable Power of Attorney Status (5.2.28)</del>
<del>02052</del>	<del>Durable Power of Attorney Status (5.2.28)</del>
06001.01.15	Immunization reaction/result (5.2.63)
<del>04001.05.04</del>	<del>Practitioner Licensing State (5.2.62)</del>
04001.50	Professional Specialty (5.2.16)
<del>04001.50</del>	<del>Professional Specialty (5.2.16)</del>
08005	Birth method (5.2.64)
<del>06001.01.15</del>	<del>Immunization Reaction/Result (5.2.63)</del>
08095	Health History Response (5.2.76)
<del>08095</del>	<del>Birth Method (5.2.64)</del>
09001.12	Body System/Region (5.2.22)
<del>09001.12</del>	<del>Body System/Region (5.2.22)</del>
09001.13	Exam Finding (5.2.77)

<sup>5</sup> The boldface numbers in parentheses refer to the list of references at the end of this standard.

09001.30	Tooth ID (5.2.74)
09001.30.05	Tooth Surface (5.2.75)
09001.30.06	Tooth Sensitivity Code (5.2.65)
09001.30.07	Tooth Mobility Code (5.2.66)
<del>09001.40.04</del>	<del>Prosthesis Type (5.2.67)</del>
<u>09001.40.1</u>	<u>Prosthesis Type (5.2.67)</u>
11001.01.24	Test Specimen Source (5.2.68)
14001.A002	Patient (Encounter) Type/Admission Source (5.2.17)
14001.A004	Confidentiality Status (5.2.1)
14001.A010	Encounter Status (5.2.69)
14001.A013	Facility Care/Healthcare setting (5.2.18)
14001.A016	Reason for Visit (5.2.19)
<del>14001.A020</del>	<del>Encounter Patient Arrival Condition (5.2.70)</del>
<u>14001.A020</u>	<u>Encounter patient Arrival Condition (5.2.70)</u>
14001.A021	Mode of Arrival (5.2.29)
14001.A030	Nature of Injury (5.2.30)
14001.A033	Mode of Injury (5.2.31)
14001.A034	Product of Injury (5.2.37)
14001.A040	Injury On the Job Status (5.2.71)
14001.A044	Protective Equipment Used (5.2.32)
14001.A063	Patient Admission Type (5.2.12)
<del>14001.A110</del>	<del>Professional Speciality (5.2.16)</del>
14001.A110	Professional Speciality (5.2.16)
14001.A133	Accommodation type (5.2.15)
14001.A163.01	Patient In-residence Transfer Type (5.2.13)
14001.A170	Diagnosis (5.2.33)
14001.A170.01	Diagnosis Type (5.2.34)
14001.A170.02	Diagnosis Status Code (5.2.35)
14001.A186.01	Current Clinical Status (5.2.36)
14001.A206	Police Hold Status (5.2.72)
14001.A213	Medical Examiner Notification Code (5.2.73)
14001.A223	Source of Payment Code (5.2.21)
14001.F050	Discharge Disposition Category (5.2.14)

This standard identifies the current value list for each of these elements as of the approval date of this standard (see footnote 1) and states the evolving status of this catalog as the knowledge of the use of these elements expands as a result of ongoing investigation. Each element is identified by the index assigned to it in the revised Appendix X1 of Guide E 1384. Moreover, the definition for that element from the Data Element Catalog (5) is included with the value set.

5.2 *Value Set Tables*—These tables collect the representation of coded data values for specific data elements in computer-based patient record structures identified in Appendix X1 of Guide E 1384. The terms listed here are the minimal essential ones but may be further subclassified to include more specific terms by appropriate extensions of the included terms.

5.2.1 *Confidentiality Status*—This data element, Index: 14001.A004, contains the minimal commonly used values appearing in both manual and automated systems. See Specification E 1238.

Unwed mother	UWM
Celebrity	VIP
Psychiatric patient	PSY
Employee	EMP
AIDS patient	AID
HIV patient	HIV
Alcohol/Drug patient	ETH
Usual control	U
Restricted	R
Very restricted	V

5.2.2 *Marital Status*—This data element, Index: 01052, encompasses the values noted by Westermeyer (6), Bureau of Census, the VA DHCP system, the DoD CHCS system, the X12 835 Transaction Set (7), UB-82 (8), and used in common practice.

Never married	B
Single	S
Married	M
Divorced	D
Divorced/annulled	L
Divorced/separated	H
Annulled	N
Widowed	W
Separated, NOS	A
Separated, legal	E
Separated, nonlegal	K
Marriage, separation, temporary absence	X
Marriage, separation, permanent absence	V
Consensual union	J
Unknown	U
Common Law	C
Domestic Partner	P
Registered Domestic Partner	R

Living together	G
Interlocutory	I
Other	O
Unreported	T

**5.2.3 Biogeographic Ancestry (previously stated as: Race)**—This data element, Index: 01042, indicates the region of the world from which the patient’s ancestors came. This is a biologic attribute that very generally indicates possible biologic diversity to which the patient might be subject. Due to ambiguity inherent in the diversity of the large number of inherited attributes which might characterize such ancestry, other data elements of the care record will be required to assign full meaning to the value set recorded for this attribute. The name originates from recommendations in the genetics literature (Am J Hum Gent 77:519-532 2005). Therefore, utilization of these other attributes is strongly recommended. To be consistent with census data, the six values currently given in OMB Directive 15 are shown for relationship to the recommended new terms. New subcategories may be added as recommended by the genetics professional disciplines. The check digit for the code is calculated via program previously given in Specification E 1238 and shown in Appendix X1. Note that NOS in the term means “Not Otherwise Specified.”

Proposed Term	Code	Present Term
AFRICA:NOS	2054-5	BLACK
AFRICA:WEST AFRICA	0218-	
AFRICA:CENTRALSUB-SAHARAN AFRICA	0219-	
AFRICA:EAST AFRICA	0220-	
AFRICA:SOUTHERN AFRICA	0221-	
AMERICA:NOS	1002-5	
AMERICA:NORTH AMERICA (ABORIGINAL)	0222-	
AMERICA:CENTRAL AMERICA/ CARIBBEAN (ABORIGINAL)	0223-	
AMERICA:SOUTH AMERICA	0224-	
EAST ASIA:NOS	2028-9	ASIAN
EAST ASIA:CENTRAL ASIA	0225-	
EAST ASIA:NORTHERN ASIA	0226-	
EAST ASIA:EAST ASIA	0227-	
EAST ASIA:SOUTH ASIA	0228-	
EAST ASIA:SOUTHEAST ASIA	0229-	
EAST ASIA:AUSTRALIA (ABORIGINAL)	0230-	
EURASIA:NOS	2106-3	WHITE
EURASIA:WESTERN EUROPE	0231-	
EURASIA:NORTHERN EUROPE	0232-	
EURASIA:EASTERN EUROPE	0233-	
EURASIA:SOUTHERN EUROPE/ MEDITERANIAN	0234-	
EURASIA:NORTH AFRICA	0235-	
EURASIA:NEAR EAST	0236-	
EURASIA:ARABIAN PENINSULA	0237-	
EURASIA:WESTERN EURASIA	0238-	
OCEANIA:NOS	2076-8	
OCEANIA:PACIFIC ISLANDS	0239-	
OTHER	2131-3	

**5.2.4 Ethnicity**—In keeping with current demographic practice, this data element, Index: 01045, reflects the ethnic cultural group with which the patient identifies. Multiple selections may be made. Each value has associated with it an ancestral cultural origin tag that is most closely associated with the ancestral geographic origin of that cultural pattern. This tag does not signify the ancestral biologic characteristics of the individual which is recorded in other data elements of the record. See Fig. 1.

**5.2.5 Language**—This data element, Index 01058, is specified by the two character lower case code in ISO 639 Table 1. The upper case three character code, now in ISO balloting may be added in a future revision of this specification. The language symbol only is shown here, but an original name and French language name are available (see Fig. 2 for list).

**5.2.6 Nationality/Country of Origin** —This data element, Index: 01055, Citizenship, is specified by ISO 3166. The two letter codes are shown here. A three letter and a numeric code exists for each entry. New entries may be added in the future.

AFG	AF	AFGHANISTAN
ALB	AL	ALBANIA
DZA	DZ	ALGERIA
ASM	AS	AMERICAN SAMOA
AND	AD	ANDORRA
AGO	AO	ANGOLA

ATA	AI	ANGUILLA
ATG	AQ	ANTARCTICA
	AG	ANTIGUA AND BURBUDA
ARG	AR	ARGENTINA
ARM		ARMENIA
ABW	AW	ARUBA
AUS	AU	AUSTRALIA
AUT	AT	AUSTRIA
AZE		AZERBAIJAN
BHS	BS	BAHAMAS
BHR	BH	BAHRAIN
BGD	BD	BANGLADESH
BRB	BB	BARBADOS
BLR		BELARUS
BEL	BE	BELGIUM
BLZ	BY	BELIZE
BEN	BJ	BENIN
BMU	BM	BERMUDA
BTN	BT	BHUTAN
BOL	BO	BOLIVIA
BIH		BOSNIA HER- ZOGOVINA
BWA	BW	BOTSWANA
BVT	BV	BOUVET ISLAND
BRA	BR	BRAZIL
IOT	IO	BRITISH INDIAN OCEAN TERRI- TORY
		BRUNEI DARUS- SALAM
BRN	BN	BULGARIA
BGR	BG	BURKINA FASO
BFA	BF	BURMA/MYANMAR
MMR	BU	BURUNDI
BDI	BI	CAMBODIA
KAM	KH	CAMEROON
CMR	CM	CANADA
CAN	CA	CAPE VERDE
CPV	CV	CAYMAN ISLANDS
KY		CENTRAL AFRI- CAN REPUBLIC
CAF		CHAD
		CHILE
TCD	TD	CHINA
CHL	CL	CHRISTMAS IS- LAND
CHN	CN	COCOS (KEELING) ISLANDS
CXR	CX	COLUMBIA
		COMOROS
CCK	CC	CONGO (FOR- MERLY ZAIRE)
		CONGO-
COL	CO	,DEMOCRATIC RE- PUBLIC OF
COG	KM	COOK ISLANDS
	CG	COSTA RICA
		COTE D'IVORIE
COD		CROATIA
COK	CK	CUBA
CRI	CR	CYPRUS
CIV	CI	CZECH REPUBLIC
HRV		DENMARK
CUB	CU	DJIBOUTI
CYP	CY	DOMINICA
CZE	CS	DOMINICAN RE- PUBLIC
DNK	DK	EAST TIMOR
DJI	DJ	ECUADOR
DMA	DM	EGYPT
DOM	DO	EL SALVADOR
		EQUATORIAL
TMP	TP	GUINEA
ECU	EC	ESTONIA
EGY	EG	ETHIOPIA
SLV	SV	FALKLAND IS- LANDS
GNQ	GQ	
EST		
ETH	ET	
FLK	FK	

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FRO	FO	FAROE ISLANDS
FJI	FJ	FIJI
FIN	FI	FINLAND
FRA	FR	FRANCE
GUF	GF	FRENCH GUYANA
PYF	PF	FRENCH POLYNE- SIA
AFT	TF	FRENCH SOUTH- ERN TERRITORIES
GAB	GA	GABON
GMB	GM	GAMBIA
DEU	DE	GERMANY,FED- ERAL REPUBLIC OF
GHA	GH	GHANA
GIB	GI	GIBRALTAR
GRC	GR	GREECE
GR		
GRL	GL	GREENLAND
GRD	GD	GRENADA
GLP	GP	GUADALOUPE
GUM	GU	GUAM
GTM	GT	GUATEMALA
GIN	GN	GUINEA
GNB	GW	GUINEA-BISSAU
GUY	GY	GUYANA
HTI	HT	HAITI
HMD	HM	HEARD AND MC- DONALD ISLANDS
HND	HN	HONDURAS
HKG	HK	HONG KONG
HUN	HU	HUNGARY
ISL	IS	ICELAND
IND	IN	INDIA
IDN	ID	INDONESIA
IRN	IR	IRAN
IRQ	IQ	IRAQ
IRL	IE	IRELAND
ISR	IL	ISRAEL
ITA	IT	ITALY
JAM	JM	JAMAICA
JPN	JP	JAPAN
JOR	JO	JORDAN
KAZ	KE	KAZAKSTAN
KEN	KI	KENYA
KIR	KR	KIRIBATI
PRK	KP	KOREA,D- EMOCRATIC PEOPLES REPUB KOREA,REPUBLIC OF
KOR	KR	KUWAIT
KWT	KW	KYRGYZSTAN
KGZ		LAO PEOPLES DEMOCRATIC RE- PUB
LAO	LA	LATVIA
LVA		LEBANON
LBN	LB	LESOTHO
LSO	LS	LIBERIA
LBR	LR	LIBYAN ARAB JAMAHIRIYA
LBY	LY	LIECHTENSTEIN
LIE	LI	LITHUANIA
LTU		LUXEMBOURG
LUX	LU	MACAO
MAC		MACAW
MKD	MO	MACEDONIA, FORMER YUGO- SLAV REPUBLIC
MDG	MG	MADAGASCAR
MWI	MW	MALAWI
MYS	MY	MALAYSIA
MDV	MV	MALDIVES
MLI	ML	MALI
MLT	MT	MALTA
MHL	MH	MARSHALL IS- LANDS

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MTQ	MQ	MARTINIQUE
MRT	MR	MAURITANIA
MUS	MU	MAURITIUS
MYT		MAYOTTE
MEX	MX	MEXICO
FSM	FM	MICRONESIA
MCO	MC	MONACO
	MN	MONGOLIA
MSR	MS	MONTSERRAT
MAR	MA	MOROCCO
MOZ	MZ	MOZAMBIQUE
NAM	NA	NAMIBIA
NRU	NR	NAURU
NPL	NP	NEPAL
NLD	NL	NETHERLANDS
ANT	AN	NETHERLANDS ANTILLES
	NT	NEUTRAL ZONE
NCL	NC	NEW CALEDONIA
NZL	NZ	NEW ZEALAND
NIC	NI	NICARAGUA
NER	NE	NIGER
NGA	NG	NIGERIA
NIU	NU	NIUE
NFK	NF	NORFOLK ISLAND
MNP	MP	NORTHERN MARI- ANAS
	NO	NORWAY
NOR	OM	OMAN
OMN	PK	PAKISTAN
PAK	PW	PALAU
PLW	PA	PANAMA
PAN	PG	PAPUA NEW GUINEA
PNG	PY	PARAGUAY
PRY	PE	PERU
PER	PH	PHILIPPINES
PHL	PN	PITCAIRN
PCN		POLAND
POL	PT	PORTUGAL
PRT	PR	PUERTO RICO
PRI	QA	QATAR
QAT	RE	REUNION
REU	RO	ROMANIA
ROM		RUSSIAN FEDERA- TION
RUS	RW	RWANDA
RWA	KN	SAINT KITTS AND NEVIS
KNA		SAINT LUCIA
	LC	SAINT VINCENT AND THE GRENA- DINES
LCA		SAMOA
VCT	VC	SAN MARINO
		SAO TOME AND PRINCIPE
WSM	WS	SAUDIA ARABIA
SMR	SM	SENEGAL
STP	ST	SEYCHELLES
	SA	SIERRA LEONE
SAU	SN	SINGAPORE
SEN	SC	SLOVAKIA
SYC	SL	SLOVENIA
SLE	SG	SOLOMON IS- LANDS
SVP		SOMALIA
SVN	SB	SOUTH AFRICA
SLB		SOUTH GEORGIA AND SOUTH SANDWICH IS
SOM	SO	SPAIN
ZAF	ZA	SRI LANKA
SGS		ST HELENA
	ES	ST PIERRE AND MILQUELON
ESP	LK	SUDAN
LKA	SH	SURINAM
SHN	PM	
SPM		
	SD	
SDN	SR	
SUR		

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SJM	SJ	SVALBARD AND JAN MAYEN IS
SWZ	SZ	SWAZILAND
SWE	SE	SWEDEN
CHE	CH	SWITZERLAND
SYR	SY	SYRIAN ARAB RE- PUBLIC
TWN	TW	TAIWAN, PROV- INCE OF CHINA
TJK		TAJIKISTAN
TZA	TZ	TANZANIA, UNITED REPUBLIC OF
THA	TH	THAILAND
TGO	TG	TOGO
TKL	TK	TOKELAU
TON	TO	TONGA
TTO	TT	TRINIDAD AND TO- BAGO
TUN	TN	TUNISIA
TUR	TR	TURKEY
TKM		TURKMENISTAN
TCA	TC	TURKS AND CA- ICOS ISLANDS
TUV	TV	TUVALU
UGA	UG	UGANDA
UKR	UA	UKRAINE
ARE	AE	UNITED ARAB EMIRATES
GBR	GB	UNITED KINGDOM
USA	US	UNITED STATES
UMI	UM	UNITED STATES MINOR OUTLYING ISLANDS
URY	UY	URUGUAY
	SU	USSR
UZB		UZBEKISTAN
VUT	VU	VANUATU
VAT	VA	VATICAN CITY
		STATE (HOLY SEE)
VEN	VE	VENEZUELA
VNM	VN	VIET NAM
VGB	VG	VIRGIN ISLANDS- ,BRITISH
VIR	VI	VIRGIN ISLAND- S,US
WLF	WF	WALLACE AND FU- TUNA ISLANDS
ESH	EH	WESTERN SA- HARA
YEM	YE	YEMEN
YD		YEMEN, DEMO- CRATIC
YUG	YU	YUGOSLAVIA
ZR		ZAIRE
ZMB	ZM	ZAMBIA
ZWE	ZW	ZIMBABWE

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5.2.7 *Religion*—This data element, Index: 01047, includes values assembled for the United States by the Dept. of Defense, the Dept. of Veterans Affairs, the Bureau of Census, and the NCVHS. It includes terms of general category as well as more specific classifications of religious denominators.

ADC	ADVENT CHRISTIAN CHURCH
AGN	AGNOSTIC
ACC	AMERICAN COUNCIL OF CHRISTIAN CHURCHES
ANG	ANGLICAN ORTHODOX CHURCH
ASB	ASBURY BIBLE CHURCHES
AOG	ASSEMBLIES OF GOD
AGC	ASSOCIATED GOSPEL CHURCHES
ATH	ATHEIST
BAH	BAHAI
BBF	BAPTIST BIBLE FELLOWSHIP
BAO	BAPTIST CHURCHES, OTHER
BAG	BAPTIST GENERAL CONFERENCE
BAM	BAPTIST MISSIONARY ASSOCIATION OF AMERICA
ABA	BAPTIST, AMERICAN BAPTIST ASSOCIATION
ABC	BAPTIST, AMERICAN BAPTIST CHURCHES
ABU	BAPTIST, AMERICAN BAPTIST CHURCHES IN THE USA
ABN	BAPTIST, AMERICAN BAPTIST CONVENTION



CBA	BAPTIST,CONSERVATIVE BAPTIST ASSOCIATION OF AMERICA
BAP	BAPTIST:NOS
FWB	BAPTIST:FREE WILL BAPTISTS
BFN	BAPTIST:FREE WILL BAPTISTS,NC STATE CONVENTION OF
BAA	BAPTIST:GENERAL ASSOCIATION OF GENERAL BAPTISTS
BAR	BAPTIST:GENERAL ASSOCIATION OF REGULAR BAPTIST CHURCHES
BAI	BAPTIST:INDEPENDENT BAPTIST CHURCHES
BIB	BAPTIST:INDEPENDENT BAPTIST MISSION
BFW	BAPTIST:NATIONAL ASSOCIATION OF FREE WILL BAPTISTS
BNC	BAPTIST:NATIONAL BAPTIST CONVENTION OF AMERICA
BNU	BAPTIST:NATIONAL BAPTIST CONVENTION,USA,INC
BNA	BAPTIST:NORTH AMERICAN BAPTIST CONFERENCE
BPN	BAPTIST:PROGRESSIVE NATIONAL BAPTIST CONVENTION,INC
BGG	BAPTIST:SEVENTH DAY BAPTIST GENERAL CONFERENCE
SOU	BAPTIST:SOUTHERN BAPTIST CONVENTION
BSF	BAPTIST:SOUTHWIDE BAPTIST FELLOWSHIP
BUE	BAPTIST:UKRANIAN EVANGELICAL BAPTIST CONFERENCE
BWB	BAPTIST:WORLD BAPTIST FELLOWSHIP
BPC	BIBLE PROTESTANT CHURCH
BRC	BRETHREN CHURCH
BCF	BRETHREN IN CHRIST FELLOWSHIP
BUD	BUDDHISM
BMA	BUDDHIST,MAHAYANA
BOT	BUDDHIST,OTHER
BTA	BUDDHIST,TANTRAYANA
BTH	BUDDHIST,THERAVADA
LCC	CATHOLIC:LIBERAL CATHOLIC CHURCH
CAT	CATHOLIC:ROMAN CATHOLIC CHURCH
CBC	CENTRAL BIBLE CHURCH
CFR	CHINESE FOLK RELIGION
CMA	CHRISTIAN AND MISSIONARY ALLIANCE
CCH	CHRISTIAN CHURCH(DISCIPLES OF CHRIST)
CCA	CHRISTIAN CHURCHES AND CHURCHES OF CHRIST
COM	CHRISTIAN COMMUNITY
CCR	CHRISTIAN CRUSADE
CRR	CHRISTIAN REFORMED CHURCH
CHS	CHRISTIAN SCIENCE
COT	CHRISTIAN,OTHER
CHR	CHRISTIAN-NO DENOMINATIONAL PREFERENCE
COC	CHURCH OF CHRIST
COG	CHURCH OF GOD
CGG	CHURCH OF GOD GENERAL CONFERENCE
COI	CHURCH OF GOD IN CHRIST
CGN	CHURCH OF GOD IN NORTH AMERICA
CGP	CHURCH OF GOD OF PROPHECY
CGI	CHURCH OF GOD(ANDERSON,IN)
CGT	CHURCH OF GOD(CLEVELAND,TN)
MOM	CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS-LDS
REO	CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS REORGANIZED
NAZ	CHURCH OF THE NAZARENE
CUB	CHURCH OF THE UNITED BRETHERN IN CHRIST
CHC	CHURCHES OF CHRIST
CCU	CHURCHES OF CHRIST IN CHRISTIAN UNION
CGE	CHURCHES OF GOD GENERAL CONFERENCE
CNF	CONFUCIAN
CMC	CONGREGATIONAL METHODIST CHURCH
CEC	CONGREGATIONAL:EVANGELICAL CONGREGATIONAL CHURCH
CCC	CONSERVATIVE CONGREGATIONAL CHRISTIAN CONFERENCE
ELF	ELIM FELLOWSHIP
ELA	ELIM MISSIONARY ASSEMBLIES
EPI	EPISCOPAL,NOS
EPE	EPISCOPAL:PROTESTANT EPISCOPAL CHURCH
ERC	EPISCOPAL:REFORMED EPISCOPAL CHURCH
ERL	ETHNIC RELIGIONIST
ECA	EVANGELICAL CHURCH ALLIANCE

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ECN	EVANGELICAL CHURCH OF NORTH AMERICA
ECC	EVANGELICAL COVENANT CHURCH IN AMERICA
EFC	EVANGELICAL FREE CHURCH OF AMERICA
FRQ	FRIENDS
FRA	FRIENDS:EVANGELICAL FRIENDS ALLIANCE
FRK	FRIENDS:KANSAS YEARLY MEETING OF FRIENDS
FRO	FRIENDS:OHIO YEARLY MEETING OF FRIENDS
GCC	GENERAL COMMISSION ON CHAPLAINS & ARMED FORCES PERSONNEL
GCB	GENERAL CONFERENCE OF THE BRETHREN CHURCH
GGF	GRACE GOSPEL FELLOWSHIP
HIN	HINDU
HOT	HINDU,OTHER
HSH	HINDU,SHAIVITES
HVA	HINDI,VAISHNAVITES
ICA	INDEPENDENT CHURCHES AFFILIATED
IDE	INDEPENDENT DENOMINATIONAL ENDORSING AGENCIES
IFB	INDEPENDENT FUNDAMENTAL BIBLE CHURCHES
IFC	INDEPENDENT FUNDAMENTAL CHURCHES OF AMERICA
ICF	INTERNATIONAL CHURCH OF THE FOURSQUARE GOSPEL
JAI	JAIN
JWN	JEHOVAH'S WITNESSES
JCO	JUDAISM,CONSERVATIVE
JEW	JUDAISM,NOS
JOR	JUDAISM,ORTHODOX
JOT	JUDAISM,OTHER
JRC	JUDAISM,RECONSTRUCTIONIST
JRF	JUDAISM,REFORMED
JRN	JUDAISM,RENEWAL
LCA	LUTHERAN CHURCH IN AMERICA
LMS	LUTHERAN CHURCH-MISSOURI SYNOD
LCH	LUTHERAN CHURCHES
LCU	LUTHERAN COUNCIL IN THE USA
LUA	LUTHERAN,AMERICAN
LUT	LUTHERAN,NOS
LEC	LUTHERAN:EVANGELICAL LUTHERAN CHURCHES,ASSOCIATION OF
FLG	LUTHERAN:FREE LUTHERAN CONGREGATIONS, THE ASSOCIATION OF
LIC	LUTHERAN:INDEPENDENT LUTHERAN CHURCHES
MEN	MENNONITE
MET	METHODIST CHURCHES
MPC	METHODIST PROTESTANT CHURCH
AMT	METHODIST:AFRICAN METHODIST EPISCOPAL CHURCH
AME	METHODIST:AFRICAN METHODIST EPISCOPAL ZION CHURCH
MEC	METHODIST:CHRISTIAN METHODIST EPISCOPAL CHURCH
MEV	METHODIST:EVANGELICAL METHODIST CHURCH
MEA	METHODIST:EVANGELICAL METHODIST CHURCH OF AMERICA
MFR	METHODIST:FREE METHODIST CHURCH OF NORTH AMERICA
MFM	METHODIST:FUNDAMENTAL METHODIST CHURCH INC
MPM	METHODIST:PRIMITIVE METHODIST CHURCH
MPU	METHODIST:PRIMITIVE METHODIST CHURCH USA
MSC	METHODIST:SOUTHERN METHODIST CHURCH
WMC	METHODIST:THE WESLEYAN CHURCH
UMD	METHODIST:UNITED METHODIST CHURCH
MBC	MILITANT FUNDAMENTAL BIBLE CHURCHES
MCA	MISSIONARY CHURCH ASSOCIATION
MCT	MISSIONARY CHURCH,THE
MOC	MORAVIAN CHURCH
MOS	MUSLIM,NOS
MOT	MUSLIM,OTHER
MSH	MUSLIM,SHIITE
MSU	MUSLIM,SUNNI
NAC	NATIONAL ASSOCIATION OF CONGREGATIONAL CHRISTIAN CHURCHES
NAE	NATIONAL ASSOCIATION OF EVANGELICALS
NFB	NATIONAL FELLOWSHIP OF GRACE BRETHERN CHURCHES

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NAM	NATIVE AMERICAN
NRL	NEW RELIGIONIST
NPR	NO PREFERENCE RECORDED
NOE	NO RELIGIOUS PREFERENCE
OBS	OPEN BIBLE STANDARD CHURCHES,INC
OCA	ORTHODOX CHURCH IN AMERICA
EOT	ORTHODOX,EASTERN CHURCHES,NOS
GRE	ORTHODOX,GREEK
ORT	ORTHODOX,NOT SPEC
ORR	ORTHODOX,RUSSIAN
OTH	OTHER RELIGIONS
PEG	PENTECOSTAL CHURCH OF GOD OF AMERICA,INC
PEC	PENTECOSTAL CHURCHES
PEH	PENTECOSTAL HOLINESS CHURCH
PEN	PENTECOSTAL,NOS
COP	PENTECOSTAL,OTHER
PEF	PENTECOSTAL:FULL GOSPEL PENTECOSTAL ASSO- CIATION
PEU	PENTECOSTAL:UNITED PENTECOSTAL CHURCH,IN- TERNATIONAL
PLB	PLYMOUTH BRETHREN
PCA	PRESBYTERIAN CHURCH IN AMERICA
PRU	PRESBYTERIAN CHURCH IN THE UNITED STATES
PCH	PRESBYTERIAN CHURCHES
PCC	PRESBYTERIAN COUNCIL FOR CHAPLAINS AND MILI- TARY PERSONNEL
ARP	PRESBYTERIAN,ASSOCIATED REFORMED PRESBY- TERIAN CHURCH
PBP	PRESBYTERIAN:BIBLE PREBYTERIAN CHURCH
PCU	PRESBYTERIAN:CUMBERLAND PRESBYTERIN CHURCH
PRE	PRESBYTERIAN:NOS
PRP	PRESBYTERIAN:ORTHODOX PRESBYTERIAN CHURCH
PRV	PRESBYTERIAN:REFORMED PRESBYTERIAN CHURCH,EVANGELICAL SYNOD
PUS	PRESBYTERIAN:UNITED PRESBYTERIAN CHURCH IN THE USA
PEU	PRESBYTERIAN:UNITED PRESBYTERIAN CHURCH,E- VANGELICAL SYNOD
PRC	PROTESTANT,OTHER CHURCHES
PRO	PROTESTANT-NO DENOM PREF
RCA	REFORMED CHURCH IN AMERICA
RCU	REFORMED CHURCH IN THE UNITED STATES
REC	REFORMED CHURCHES
RLD	REORGANIZED CHURCH OF JESUS OF LATTER DAY SAINTS
SAA	SALVATION ARMY
SCG	SCHWENKENFELDER CHURCHES,THE GENERAL CONFERENCE OF
SEV	SEVENTH DAY ADVENTIST
SHN	SHINTOIST
SIK	SIKH
SPI	SPIRITIST
SWC	THE SWEDENBORGIAN CHURCH,GENERAL CONFER- ENCE OF
TRC	TIOGA RIVER CHRISTIAN CONFERENCE
UNU	UNITARIAN UNIVERSALIST ASSOCIATION
UNI	UNITARIAN,NOS
UCH	UNITED CHRISTIAN CHURCH
VAR	UNKNOWN
WES	WESLEYAN

5.2.8 *Educational Level*—This data element, Index: 01060, is stated such that the general level and year within that level is expressed in a way that comparably reflects the educational practice in most national settings.

E1 to E8 Elementary  
 S1 to S4 Secondary  
 C1 to C5 College Baccalaureate  
 P1 to P9 Professional

5.2.9 *Educational Certification*—This data element reflects the Certification of Educational Experience for credentialing of healthcare practitioners. It reflects the terminology used by the Dept. of Veterans Affairs, the Dept. of Defense, and state licensing agencies.

High School Attendance Certificate  
 Less Than High School Diploma  
 Certificate of High School Equivalent

High School Diploma  
 1st Yr College Level Certificate  
 College Certificate of Attendance  
 Associate Degree  
 College Certificate of Completion  
 Professional Nursing Diploma  
 Baccalaureate  
 First Professional Degree  
 Masters  
 Post Masters  
 Doctorate

5.2.10 *Family Relationship*—This data element, Index: 01090.03, is used to reflect the relationship of a family member, or other person, to the patient. It includes the values used by the Dept. of Veterans Affairs, Dept. of Defense, ANSI X12 835 Transaction Set, UB-82 (8), and the NCVHS data sets.

Self	SEL
Adopted son	ASN
Adopted daughter	ADT
Aunt	AUN
Brother	BRO
Brother-in-law	BIL
Cousin	COU
Natural child	NCH
Child	CHD
Son	SON
Daughter	DGT
Daughter-in-law	DIL
Father-in-law	FIL
Foster child	FCH
Foster Son	FOS
Foster Daughter	FOD
Grandparent	GRP
Grandfather	GRF
Grandmother	GRM
Grandchild	GCH
Granddaughter	GDT
Grandson	GSN
Great Grandson	GGG
Great Granddaughter	GGD
Great Great Grandson	GGGS
Great Great Granddaughter	GGGD
Great grandfather	GGF
Great grandmother	GGM
Half brother	HBR
Half sister	HSI
Parent	PAR
Father	FTH
Mother	MTH
Mother-in-law	MIL
Nephew	NEP
Niece	NIE
Sister	SIS
Sister-in-law	SIL
Son-in-law	SOL
Stepchild	SCH
Stepbrother	SBR
Stepdaughter	SDG
Stepsister	SSI
Stepson	SSO
Uncle	UNC
Unrelated friend	FND
Ward	WRD
Spouse	SPO
Husband	HUS
Wife	WIF
Unknown	UNK
None	NON
Other	OTH
Associate	ASC
Caregiver	CGV
Life partner	DOM
Emergency contact	EMC
Employee	EME
Employer	EMR
Extended family	EXF
Guardian	GRD
Manager	MGR

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Other adult  
Trainer

OAD  
TRA

5.2.11 *Occupation*—This data element, Indices: 01065.—Current Occupation, 01070.—Previous Occupations and 0.1090.23—Family Member Occupation, reflects the terms used in the Standard Occupational Classification 1996 (2), those used in the U.S. 1990 Census (1) and those in the ILO list of International Standard Classification of Occupations 1968 (ISCO-68) incorporated into SNOMED (3). ISCO – 88 includes a four digit code that is the basis for several national systems for classifying occupations. SNOMED-III, released in 1993, continues to use ISCO-68. This scheme also includes terms from the Occupation Employment Survey (2) which is being incorporated into the new classification by the US Dept. of Labor, Bureau of Labor Statistics beginning in 1997 replacing older schemes. The terms listed here from that new scheme have been cross referenced to these older schemes in coordination with the US Dept. of Labor. The new vocabulary is intended to be able to also relate health care resource management issues to the labor market. See Fig. 3.

5.2.12 *Patient Admission Type*—This data element, Index: 14001.A063, is used to categorize the type of inpatient encounter but is not used for other encounter types.

Admission, pre-admit (elective)  
Admission, walk-in (urgent)  
Admission, emergency room  
Admission, referred  
Newborn

5.2.13 *Patient Transfer Type*—This data element: Index: 14001.A163.01, is used to characterize the movement of inpatients either physically or administratively between nursing units.

Inter Clinical Care Unit  
Inter Clinical Service

5.2.14 *Discharge Disposition*—This data element, Index: 14001.F050, is the general nature of the activity to which the patient is consigned following the encounter, either inpatient or ambulatory. A separate data element contains the specific name of the destination.

Acute Care Facility  
Expired  
Follow-up: Admit to Residential Care Facility  
Follow-up: Other  
Follow-up: Refer to Adjunct Provider Agency  
Follow-up: Refer to Consulting Provider  
Follow-up: Refer to Other Provider  
Follow-up: Returned to Referring Provider  
Follow-up: Scheduled  
Follow-up: Telephone  
Follow-up: Transferred to Another Provider  
Follow-up: Not Scheduled  
Left Against Medical Advice (AMA)  
Medevac  
No Follow-up  
Routine Discharge to Home

5.2.15 *Accommodation Type*—This data element, Index: 14001.A133, denotes the clinical service, or organizational unit dedicated to a particular professional specialty or orientation, to which the patient is assigned and is responsible for that patient’s care.

5.2.16 *Professional Specialty*—This data element, Index: 04001.50, is the nature of the professional specialties held by a practitioner and include the terms used by the ANSI X12835 Transaction Set (7), UB-82 (8), the American Medical Association, American Dental Association, the American Nurses Association, and other professional bodies providing licensed or certified practitioners. This list (see Fig. 4 for list) may not be complete and may also be included with the Standard Occupational Classification system noted above as extensions to the scheme. At this time, however, it is presented separately until agreement on such an approach is reached.

5.2.17 *Patient Type*— This data element, Index: 14001.A002, reflects the type of the patient presenting for an encounter in terms of the nature of services to be provided. It includes the categorizations used in the NCVHS Standard data sets.

Emergency: NOS  
Emergency Trauma Level 1  
Emergency Trauma Level 2  
Emergency Trauma Level 3  
Emergency Trauma Level 4  
Inpatient: Acute Care Hospital  
Inpatient: Long Term Care Hospital  
Inpatient: NOS  
Inpatient: Skilled Nursing Facility  
Inpatient: Pre-admit  
Outpatient: Clinic  
Outpatient: Hospital  
Outpatient: NOS

Outpatient: Private Practice  
Home Health: NOS

5.2.18 *Facility Type/Healthcare Setting*—This data element, Index: 14001.A013, categorizes the healthcare setting provided by the facility at which the encounter occurs. It reflects the terminology used in the NCHS Standard data sets and that in Guide E 1384, which contains all of these categories (see Fig. 5 for list).

5.2.19 *Reason for Visit*— This data element, Index: 14001.A016, reflects the reason the patient sought the services of a healthcare provider.

NCHS Reason for Visit list (4)

5.2.20 *Sex*—This data element, Index: 01040, uses the ISO 5218 terminology.

Female	F
Male	M
Unknown	U
Male Pseudohermaphrodite	MP
Female Pseudohermaphrodite	FP
Hermaphrodite	H
Male changed to Female	MC
Female changed to Male	FC
Other	O
Ambiguous	A
Not Applicable	N

5.2.21 *Source of Payment*—This data element, Index: 14001.A223, reflects the general means by which the charges for the encounter will be paid. It includes the terms used in the NCVHS standard datasets, the ANSI X12 835 Transaction set (7), (UB-92) (8), and other commonly used claim terminologies.

- Commercial Ins, HMO
- Commercial Ins, Other
- Employer Hlth Plan, BC/BS
- Employer Hlth Plan, HMO
- Employer Hlth Plan, Other
- Govt, CHAMP VA
- Govt, CHAMPUS
- Govt, County
- Govt, Maternal & Child Hlth
- Govt, Medicaid
- Govt, Medicare
- Govt, Other
- Liability Ins, Other
- No Charge
- Other
- Self Pay
- Unknown
- Workman's Comp

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5.2.22 *Body System/Region*—This data element, Index 08095, 09001.12, 09001.13, refers to subjective or objective observations that are organized by anatomic systematic to be comprehensive, such as review of systems. The patient’s subjective observations, symptoms, and the practitioner’s objective observations from examination all should be categorized using a common basic terminology. These categories have been derived from the U.S. Government SF88 and SF93, the OSHA forms, and common anatomy texts.

- Abdomen, Anus
- Abdomen, Hernia
- Abdomen, NOS
- Abdomen, Rectum
- Abdomen, Viscera
- Blood/Blood Forming
- Cardiovascular, Heart
- Cardiovascular, NOS
- Cardiovascular, Vascular
- Chest, Breasts
- Chest, Lungs
- Chest, NOS
- Chest, Respiratory
- Endocrine
- General/Systemic, NOS
- Genitourinary, Pelvic
- Genitourinary, Prostate
- Genitourinary, Urinary
- Head, Dental
- Head, Ear
- Head, Eye
- Head, Face
- Head, Mouth/Throat