Standard Specification for
Coded Values Used in the Electronic Health Record[1]

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 (ε) 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:* [2]
E 1238 Specification for Transferring Clinical Observations Between Independent Computer Systems[3]
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:*[4]
ANS X3.50 Representation of Date and Time
ANS X3.51 Representation of Common Units

2.3 *ISO Standards:*[4]
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[5]

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 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

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

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.[6]

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)
01042	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)
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)
01245	State Death Certificate Recorded (5.2.62)
02052	Durable Power of Attorney Status (5.2.28)
04001.35.01	Practitioner Licensing State (5.2.62)

04001.50	Professional Specialty (5.2.16)
06001.01.15	Immunization Reaction/Result (5.2.63)
08005.	Birth Method (5.2.64)
09001.12	Body System/Region (5.2.22)
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)
09001.40.01	Prosthesis Type (5.2.67)
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)
14001.A020	Encounter Patient Arrival Condition (5.2.70)
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)
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

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[6] The boldface numbers in parentheses refer to the list of references at the end of this standard.

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 *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 meaning to the value set recorded for this attribute. Therefore, utilization of these other attributes is strongly recommended. Currently, to be consistent with census data, the six values given in OMB Directive 15 are recommended.

American Indian/Alaska Native	1002-5
Asian	2028-9
Black	2054-5
Hawaiian/Pacific Islander	2076-8
White	2106-3
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
	AI	ANGUILLA
ATA	AQ	ANTARCTICA

ATG	AG	ANTIGUA AND BURBUDA
ARG	AR	ARGENTINA
ARM		ARMENIA
ABW	AW	ARUBA
AUS	AU	AUSTRALIA
AUT	AT	AUSTRIA
AZE		AZERBIAJAN
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
BRN	BN	BRUNEI DARUS-SALAM
BGR	BG	BULGARIA
BFA	BF	BURKINA FASO
MMR	BU	BURMA/MYANMAR
BDI	BI	BURUNDI
KAM	KH	CAMBODIA
CMR	CM	CAMEROON
CAN	CA	CANADA
CPV	CV	CAPE VERDE
KY		CAYMAN ISLANDS
CAF		CENTRAL AFRI-CAN REPUBLIC
TCD	TD	CHAD
CHL	CL	CHILE
CHN	CN	CHINA
CXR	CX	CHRISTMAS IS-LAND
CCK	CC	COCOS (KEELING) ISLANDS
COL	CO	COLUMBIA
	KM	COMOROS
COG	CG	CONGO (FOR-MERLY ZAIRE)
COD		CONGO-,DEMOCRATIC RE-PUBLIC OF
COK	CK	COOK ISLANDS
CRI	CR	COSTA RICA
CIV	CI	COTE D'IVORIE
HRV		CROATIA
CUB	CU	CUBA
CYP	CY	CYPRUS
CZE	CS	CZECH REPUBLIC
DNK	DK	DENMARK
DJI	DJ	DJIBOUTI
DMA	DM	DOMINICA
DOM	DO	DOMINICAN RE-PUBLIC
TMP	TP	EAST TIMOR
ECU	EC	ECUADOR
EGY	EG	EGYPT
SLV	SV	EL SALVADOR
GNQ	GQ	EQUITORIAL GUINEA
EST		ESTONIA
ETH	ET	ETHIOPIA
FLK	FK	FALKLAND IS-LANDS
FRO	FO	FAROE ISLANDS

FJI	FJ	FIJI	MRT	MR	MAURITANIA
FIN	FI	FINLAND	MUS	MU	MAURITIUS
FRA	FR	FRANCE	MYT		MAYOTTE
GUF	GF	FRENCH GUYANA	MEX	MX	MEXICO
PYF	PF	FRENCH POLYNE-SIA	FSM	FM	MICRONESIA
AFT	TF	FRENCH SOUTH-ERN TERRITORIES	MCO	MC	MONACO
GAB	GA	GABON		MN	MONGOLIA
GMB	GM	GAMBIA	MSR	MS	MONTSERRAT
DEU	DE	GERMANY,FEDERAL REPUBLIC OF	MAR	MA	MOROCCO
GHA	GH	GHANA	MOZ	MZ	MOZAMBIQUE
GIB	GI	GIBRALTAR	NAM	NA	NAMIBIA
GRC	GR	GREECE	NRU	NR	NAURU
GR			NPL	NP	NEPAL
GRL	GL	GREENLAND	NLD	NL	NETHERLANDS
GRD	GD	GRENADA	ANT	AN	NETHERLANDS ANTILLES
GLP	GP	GUADALOUPE		NT	NEUTRAL ZONE
GUM	GU	GUAM	NCL	NC	NEW CALEDONIA
GTM	GT	GUATEMALA	NZL	NZ	NEW ZEALAND
GIN	GN	GUINEA	NIC	NI	NICARAGUA
GNB	GW	GUINEA-BISSAU	NER	NE	NIGER
GUY	GY	GUYANA	NGA	NG	NIGERIA
HTI	HT	HAITI	NIU	NU	NIUE
HMD	HM	HEARD AND MCDONALD ISLANDS	NFK	NF	NORFOLK ISLAND
HND	HN	HONDURAS	MNP	MP	NORTHERN MARIANAS
HKG	HK	HONG KONG	NOR	NO	NORWAY
HUN	HU	HUNGARY	OMN	OM	OMAN
ISL	IS	ICELAND	PAK	PK	PAKISTAN
IND	IN	INDIA	PLW	PW	PALAU
IDN	ID	INDONESIA	PAN	PA	PANAMA
IRN	IR	IRAN	PNG	PG	PAPUA NEW GUINEA
IRQ	IQ	IRAQ	PRY	PY	PARAGUAY
IRL	IE	IRELAND	PER	PE	PERU
ISR	IL	ISRAEL	PHL	PH	PHILIPPINES
ITA	IT	ITALY	PCN	PN	PITCAIRN
JAM	JM	JAMAICA	POL		POLAND
JPN	JP	JAPAN	PRT	PT	PORTUGAL
JOR	JO	JORDAN	PRI	PR	PUERTO RICO
KAZ		KAZAKSTAN	QAT	QA	QATAR
KEN	KE	KENYA	REU	RE	REUNION
KIR	KI	KIRIBATI	ROM	RO	ROMANIA
PRK	KP	KOREA,DEMOCRATIC PEOPLES REPUB	RUS		RUSSIAN FEDERATION
			RWA	RW	RWANDA
			KNA	KN	SAINT KITTS AND NEVIS
KOR	KR	KOREA,REPUBLIC OF	LCA	LC	SAINT LUCIA
KWT	KW	KUWAIT	VCT	VC	SAINT VINCENT AND THE GRENADINES
KGZ		KYRGYZSTAN			
LAO	LA	LAO PEOPLES DEMOCRATIC REPUB	WSM	WS	SAMOA
			SMR	SM	SAN MARINO
LVA		LATVIA	STP	ST	SAO TOME AND PRINCIPE
LBN	LB	LEBANON	SAU	SA	SAUDIA ARABIA
LSO	LS	LESOTHO	SEN	SN	SENEGAL
LBR	LR	LIBERIA	SYC	SC	SEYCHELLES
LBY	LY	LIBYAN ARAB JAMAHIRIYA	SLE	SL	SIERRA LEONE
			SGP	SG	SINGAPORE
LIE	LI	LIECHTENSTEIN	SVK		SLOVAKIA
LTU		LITHUANIA	SVN		SLOVENIA
LUX	LU	LUXEMBOURG	SLB	SB	SOLOMON ISLANDS
MAC		MACAO			
	MO	MACAW	SOM	SO	SOMALIA
MKD		MACEDONIA, FORMER YUGO-SLAV REPUBLIC	ZAF	ZA	SOUTH AFRICA
			SGS		SOUTH GEORGIA AND SOUTH SANDWICH IS
MDG	MG	MADAGASCAR			
MWI	MW	MALAWI	ESP	ES	SPAIN
MYS	MY	MALAYSIA	LKA	LK	SRI LANKA
MDV	MV	MALDIVES	SHN	SH	ST HELENA
MLI	ML	MALI	SPM	PM	ST PIERRE AND MILQUELON
MLT	MT	MALTA			
MHL	MH	MARSHALL ISLANDS	SDN	SD	SUDAN
			SUR	SR	SURINAM
MTQ	MQ	MARTINIQUE			

SJM	SJ	SVALBARD AND JAN MAYEN IS	ABC		BAPTIST,AMERICAN BAPTIST CHURCHES
SWZ	SZ	SWAZILAND	ABU		BAPTIST,AMERICAN BAPTIST CHURCHES IN THE USA
SWE	SE	SWEDEN	ABN		BAPTIST,AMERICAN BAPTIST CONVENTION
CHE	CH	SWITZERLAND	CBA		BAPTIST,CONSERVATIVE BAPTIST ASSOCIATION OF AMERICA
SYR	SY	SYRIAN ARAB RE-PUBLIC	BAP		BAPTIST:NOS
TWN	TW	TAIWAN,PROV-INCE OF CHINA	FWB		BAPTIST:FREE WILL BAPTISTS
TJK		TAJIKISTAN	BFN		BAPTIST:FREE WILL BAPTISTS,NC STATE CON-VENTION OF
TZA	TZ	TANZANIA,UNITED REPUBLIC OF	BAA		BAPTIST:GENERAL ASSOCIATION OF GENERAL BAPTISTS
THA	TH	THAILAND	BAR		BAPTIST:GENERAL ASSOCIATION OF REGULAR BAPTIST CHURCHES
TGO	TG	TOGO			
TKL	TK	TOKELAU	BAI		BAPTIST:INDEPENDENT BAPTIST CHURCHES
TON	TO	TONGA	BIB		BAPTIST:INDEPENDENT BAPTIST MISSION
TTO	TT	TRINIDAD AND TO-BAGO	BFW		BAPTIST:NATIONAL ASSOCIATION OF FREE WILL BAPTISTS
TUN	TN	TUNISIA	BNC		BAPTIST:NATIONAL BAPTIST CONVENTION OF AMERICA
TUR	TR	TURKEY			
TKM		TURKMENISTAN	BNU		BAPTIST:NATIONAL BAPTIST CONVENTION,U-SA,INC
TCA	TC	TURKS AND CA-ICOS ISLANDS	BNA		BAPTIST:NORTH AMERICAN BAPTIST CONFER-ENCE
TUV	TV	TUVALU	BPN		BAPTIST:PROGRESSIVE NATIONAL BAPTIST CON-VENTION,INC
UGA	UG	UGANDA			
UKR	UA	UKRAINE	BGG		BAPTIST:SEVENTH DAY BAPTIST GENERAL CON-FERENCE
ARE	AE	UNITED ARAB EMIRATES			
			SOU		BAPTIST:SOUTHERN BAPTIST CONVENTION
GBR	GB	UNITED KINGDOM	BSF		BAPTIST:SOUTHWIDE BAPTIST FELLOWSHIP
USA	US	UNITED STATES	BUE		BAPTIST:UKRANIAN EVANGELICAL BAPTIST CON-FERENCE
UMI	UM	UNITED STATES MINOR OUTLYING ISLANDS			
			BWB		BAPTIST:WORLD BAPTIST FELLOWSHIP
URY	UY	URUGUAY	BPC		BIBLE PROTESTANT CHURCH
	SU	USSR	BRC		BRETHREN CHURCH
UZB		UZBEKISTAN	BCF		BRETHREN IN CHRIST FELLOWSHIP
VUT	VU	VANUATU	BUD		BUDDHISM
VAT	VA	VATICAN CITY STATE (HOLY SEE)	BMA		BUDDHIST,MAHAYANA
			BOT		BUDDHIST,OTHER
VEN	VE	VENEZUELA	BTA		BUDDHIST,TANTRAYANA
VNM	VN	VIET NAM	BTH		BUDDHIST,THERAVADA
VGB	VG	VIRGIN ISLANDS-,BRITISH	LCC		CATHOLIC:LIBERAL CATHOLIC CHURCH
			CAT		CATHOLIC:ROMAN CATHOLIC CHURCH
VIR	VI	VIRGIN ISLAND-S,US	CBC		CENTRAL BIBLE CHURCH
			CFR		CHINESE FOLK RELIGION
WLF	WF	WALLACE AND FU-TUNA ISLANDS	CMA		CHRISTIAN AND MISSIONARY ALLIANCE
			CCH		CHRISTIAN CHURCH(DISCIPLES OF CHRIST)
ESH	EH	WESTERN SA-HARA	CCA		CHRISTIAN CHURCHES AND CHURCHES OF CHRIST
YEM	YE	YEMEN	COM		CHRISTIAN COMMUNITY
YD		YEMEN,DEMO-CRATIC	CCR		CHRISTIAN CRUSADE
			CRR		CHRISTIAN REFORMED CHURCH
YUG	YU	YUGOSLAVIA	CHS		CHRISTIAN SCIENCE
ZR		ZAIRE	COT		CHRISTIAN,OTHER
ZMB	ZM	ZAMBIA	CHR		CHRISTIAN-NO DENOMINATIONAL PREFERENCE
ZWE	ZW	ZIMBABWE	COC		CHURCH OF CHRIST
			COG		CHURCH OF GOD

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.

		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)
ADC	ADVENT CHRISTIAN CHURCH	MOM	CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS-LDS
AGN	AGNOSTIC		
ACC	AMERICAN COUNCIL OF CHRISTIAN CHURCHES	REO	CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS REORGANIZED
ANG	ANGLICAN ORTHODOX CHURCH		
ASB	ASBURY BIBLE CHURCHES	NAZ	CHURCH OF THE NAZARENE
AOG	ASSEMBLIES OF GOD	CUB	CHURCH OF THE UNITED BRETHERN IN CHRIST
AGC	ASSOCIATED GOSPEL CHURCHES	CHC	CHURCHES OF CHRIST
ATH	ATHEIST	CCU	CHURCHES OF CHRIST IN CHRISTIAN UNION
BAH	BAHAI	CGE	CHURCHES OF GOD GENERAL CONFERENCE
BBF	BAPTIST BIBLE FELLOWSHIP	CNF	CONFUCIAN
BAO	BAPTIST CHURCHES,OTHER	CMC	CONGREGATIONAL METHODIST CHURCH
BAG	BAPTIST GENERAL CONFERENCE	CEC	CONGREGATIONAL:EVANGELICAL CONGREGA-TIONAL CHURCH
BAM	BAPTIST MISSIONARY ASSOCIATION OF AMERICA		
ABA	BAPTIST,AMERICAN BAPTIST ASSOCIATION		

CCC	CONSERVATIVE CONGREGATIONAL CHRISTIAN CONFERENCE	MBC	MILITANT FUNDAMENTAL BIBLE CHURCHES
ELF	ELIM FELLOWSHIP	MCA	MISSIONARY CHURCH ASSOCIATION
ELA	ELIM MISSIONARY ASSEMBLIES	MCT	MISSIONARY CHURCH,THE
EPI	EPISCOPAL,NOS	MOC	MORAVIAN CHURCH
EPE	EPISCOPAL:PROTESTANT EPISCOPAL CHURCH	MOS	MUSLIM,NOS
ERC	EPISCOPAL:REFORMED EPISCOPAL CHURCH	MOT	MUSLIM,OTHER
ERL	ETHNIC RELIGIONIST	MSH	MUSLIM,SHIITE
ECA	EVANGELICAL CHURCH ALLIANCE	MSU	MUSLIM,SUNNI
ECN	EVANGELICAL CHURCH OF NORTH AMERICA	NAC	NATIONAL ASSOCIATION OF CONGREGATIONAL CHRISTIAN CHURCHES
ECC	EVANGELICAL COVENANT CHURCH IN AMERICA	NAE	NATIONAL ASSOCIATION OF EVANGELICALS
EFC	EVANGELICAL FREE CHURCH OF AMERICA	NFB	NATIONAL FELLOWSHIP OF GRACE BRETHERN CHURCHES
FRQ	FRIENDS		
FRA	FRIENDS:EVANGELICAL FRIENDS ALLIANCE	NAM	NATIVE AMERICAN
FRK	FRIENDS:KANSAS YEARLY MEETING OF FRIENDS	NRL	NEW RELIGIONIST
FRO	FRIENDS:OHIO YEARLY MEETING OF FRIENDS	NPR	NO PREFERENCE RECORDED
GCC	GENERAL COMMISSION ON CHAPLAINS & ARMED FORCES PERSONNEL	NOE	NO RELIGIOUS PREFERENCE
		OBS	OPEN BIBLE STANDARD CHURCHES,INC
GCB	GENERAL CONFERENCE OF THE BRETHREN CHURCH	OCA	ORTHODOX CHURCH IN AMERICA
		EOT	ORTHODOX,EASTERN CHURCHES,NOS
GGF	GRACE GOSPEL FELLOWSHIP	GRE	ORTHODOX,GREEK
HIN	HINDU	ORT	ORTHODOX,NOT SPEC
HOT	HINDU,OTHER	ORR	ORTHODOX,RUSSIAN
HSH	HINDU,SHAIVITES	OTH	OTHER RELIGIONS
HVA	HINDI,VAISHNAVITES	PEG	PENTECOSTAL CHURCH OF GOD OF AMERIC-A,INC
ICA	INDEPENDENT CHURCHES AFFILIATED		
IDE	INDEPENDENT DENOMINATIONAL ENDORSING AGENCIES	PEC	PENTECOSTAL CHURCHES
		PEH	PENTECOSTAL HOLINESS CHURCH
IFB	INDEPENDENT FUNDAMENTAL BIBLE CHURCHES	PEN	PENTECOSTAL,NOS
IFC	INDEPENDENT FUNDAMENTAL CHURCHES OF AMERICA	COP	PENTECOSTAL,OTHER
		PEF	PENTECOSTAL:FULL GOSPEL PENTECOSTAL AS-SOCIATION
ICF	INTERNATIONAL CHURCH OF THE FOURSQUARE GOSPEL	PEU	PENTECOSTAL:UNITED PENTECOSTAL CHURCH,INTERNATIONAL
JAI	JAIN		
JWN	JEHOVAH'S WITNESSES	PLB	PLYMOUTH BRETHREN
JCO	JUDAISM,CONSERVATIVE	PCA	PRESBYTERIAN CHURCH IN AMERICA
JEW	JUDAISM,NOS	PRU	PRESBYTERIAN CHURCH IN THE UNITED STATES
JOR	JUDAISM,ORTHODOX	PCH	PRESBYTERIAN CHURCHES
JOT	JUDAISM,OTHER	PCC	PRESBYTERIAN COUNCIL FOR CHAPLAINS AND MILITARY PERSONNEL
JRC	JUDAISM,RECONSTRUCTIONIST		
JRF	JUDAISM,REFORMED	ARP	PRESBYTERIAN,ASSOCIATED REFORMED PRES-BYTERIAN CHURCH
JRN	JUDAISM,RENEWAL		
LCA	LUTHERAN CHURCH IN AMERICA	PBP	PRESBYTERIAN:BIBLE PREBYTERIAN CHURCH
LMS	LUTHERAN CHURCH-MISSOURI SYNOD	PCU	PRESBYTERIAN:CUMBERLAND PRESBYTERIN CHURCH
LCH	LUTHERAN CHURCHES		
LCU	LUTHERAN COUNCIL IN THE USA	PRE	PRESBYTERIAN:NOS
LUA	LUTHERAN,AMERICAN	PRP	PRESBYTERIAN:ORTHODOX PRESBYTERIAN CHURCH
LUT	LUTHERAN,NOS		
LEC	LUTHERAN:EVANGELICAL LUTHERAN CHURCHES,ASSOCIATION OF	PRV	PRESBYTERIAN:REFORMED PRESBYTERIAN CHURCH,EVANGELICAL SYNOD
FLG	LUTHERAN:FREE LUTHERAN CONGREGATIONS, THE ASSOCIATION OF	PUS	PRESBYTERIAN:UNITED PRESBYTERIAN CHURCH IN THE USA
LIC	LUTHERAN:INDEPENDENT LUTHERAN CHURCHES	PEU	PRESBYTERIAN:UNITED PRESBYTERIAN CHURCH,EVANGELICAL SYNOD
MEN	MENNONITE	PRC	PROTESTANT,OTHER CHURCHES
MET	METHODIST CHURCHES	PRO	PROTESTANT-NO DENOM PREF
MPC	METHODIST PROTESTANT CHURCH	RCA	REFORMED CHURCH IN AMERICA
AMT	METHODIST:AFRICAN METHODIST EPISCOPAL CHURCH	RCU	REFORMED CHURCH IN THE UNITED STATES
		REC	REFORMED CHURCHES
AME	METHODIST:AFRICAN METHODIST EPISCOPAL ZION CHURCH	RLD	REORGANIZED CHURCH OF JESUS OF LATTER DAY SAINTS
MEC	METHODIST:CHRISTIAN METHODIST EPISCOPAL CHURCH	SAA	SALVATION ARMY
		SCG	SCHWENKENFELDER CHURCHES,THE GENERAL CONFERENCE OF
MEV	METHODIST:EVANGELICAL METHODIST CHURCH		
MEA	METHODIST:EVANGELICAL METHODIST CHURCH OF AMERICA	SEV	SEVENTH DAY ADVENTIST
		SHN	SHINTOIST
MFR	METHODIST:FREE METHODIST CHURCH OF NORTH AMERICA	SIK	SIKH
		SPI	SPIRITIST
MFM	METHODIST:FUNDAMENTAL METHODIST CHURCH INC	SWC	THE SWEDENBORGIAN CHURCH,GENERAL CON-FERENCE OF
MPM	METHODIST:PRIMITIVE METHODIST CHURCH	TRC	TIOGA RIVER CHRISTIAN CONFERENCE
MPU	METHODIST:PRIMITIVE METHODIST CHURCH USA	UNU	UNITARIAN UNIVERSALIST ASSOCIATION
MSC	METHODIST:SOUTHERN METHODIST CHURCH	UNI	UNITARIAN,NOS
WMC	METHODIST:THE WESLEYAN CHURCH	UCH	UNITED CHRISTIAN CHURCH
UMD	METHODIST:UNITED METHODIST CHURCH	VAR	UNKNOWN

6

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	GGS
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
Other adult	OAD
Trainer	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

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
Head, Neck
Head, NOS
Head, Nose
Lymphatics

Musculoskeletal, Extremities
Musculoskeletal, NOS
Musculoskeletal, Spine
Neurologic, Central
Neurologic, NOS
Neurologic, Peripheral
Psychiatric
Skin

5.2.23 *Patient Number of Children in Birth (Index: 01035.)*—This value is a numeric count (see 4.2.6) of the number of children in a given gestation and indicates that the patient was one child of that gestation.

5.2.24 *Current Work Status (Index: 01062.)*—The value set should include:

Employed full-time	1/F dup
Employed part–time	2/P dup
Not employed	3
Retired	5
Self-employed	4
Military — active	6
Military — active overseas	M
Working not for pay	W
Leave of absence	L
Retired and working part–time for pay	R
Per diem	D
Contract per diem	C
Temporarily unemployed	T
Other	O
Unknown	9

5.2.25 *Current Vocational Status (Index: 01067.)*—This value set indicates job related education and should include:

Secondary vocational training
Post–secondary vocational training
Post–secondary education

5.2.26 *Usual Living Arrangement (Index: 01085.)*—This value set depicts the environment in which the patient resides and should include:

Lives alone	A
Lives with a family member other than spouse	R
Lives with parents	P
Lives in a group	G
Lives with spouse	S
Lives with an unrelated person	N
Institution	I
Unknown	U

5.2.27 *Foreign Residency Code (Index: 01099.)*—This value set depicts whether the patient regularly resides outside the nation of his/her permanent residence and should include:

No regular foreign residence
Foreign residence less than 25 %
Foreign residence 25-50 %
Foreign residence greater than 50 %

5.2.28 *Durable Power of Attorney Status (Index: 02052 and 02053.)*—This value set indicates what level of durable power of attorney is part of the patient's estate. The value set is:

None
On file
Written

5.2.29 *Mode of Arrival (Index: 14001.A021.)*—This value set serves not only emergency encounters but also any type of encounter where the mode of arrival is an important aspect of patient care. The minimal value set shall include:

Ground ambulance
Helicopter ambulance
Fixed wing air ambulance

Ambulance not otherwise specified
Walk in following transport via private transportation
Walk in following transport via public transportation
Walk in following non ambulance - law enforcement transport
Walk in not otherwise specified
Other mode of transport
Unknown mode of transport

5.2.30 *Nature of Injury (Index: 14001.A030.)*—This value set applies to any encounter where and injury occurs. Its values are taken from the ICD-9CM/ICD-10 coding scheme in the range 800 to 999, or the corresponding SNOMED International components which map into ICD-9CM/ICD-10.

5.2.31 *Mode of Injury (Index: 14001.A033.)*—This value set is taken from the ICD9CM "E-Code" table, the corresponding segment of ICD-10 or that of SNOMED International.

5.2.32 *Protective Equipment Used (Index: 14001.A044.)*—This value set indicates protective equipment used on the job or devices used in any environment (such as a vehicle) and should include:

Safety Equipment:
    None used
    Shoulder Belt only used
    Lap Belt only
    Shoulder and Lap Belt used
    Child safety seat used
    Helmet used
    Not reported
    Restraint use unknown
Air Bag Deployed:
    Deployed-front
    Deployed-side
    Deployed-both front/side
    Not deployed
    Not applicable
    Not reported
    Deployment unknown
Non-motorist Safety Equipment:
    None used
    Helmet used
    Protective pads used (elbows, knees, shins, etc.)
    Reflective clothing
    Lighting
    Not applicable
    Other
    Not reported
    Unknown

5.2.33 *Diagnosis (Index: 14001.F030/A170.)*—This value set is the list of conditions at encounter disposition. Codes may be drawn from the latest ICD-9-CM table or ICD-10 version, when mandated, or other diagnostic code system. It may be a code or associated rubric index into the code table. Additional codes may be applied using alternative coding schemes.

5.2.34 *Diagnosis Type (Index: 14001.F030.01.)*—This value set indicates the purpose/level of significance of the code/term of diagnosis and should include:

Principal
Primary
Secondary
Complication
For 14001.A.170.01 it should also include admitting.

5.2.35 *Diagnosis Status Code (Index: 14001.F030.02/ A170.02.)*—This value set indicates the finality of the assignment of the code/term and should include:

Active
Chronic
Acute

5.2.36 *Current Clinical (Patient) Status (Index: 14001.A186.01.)*—The value set indicates severity of clinical status and should include:

    Recovered
    Deceased
    Well
    Chronic management required

5.2.37 *Product of Injury (Index: 14001.A034.)*—This value is drawn from the Consumer Product Safety Commission NEIS list.

5.2.38 *Color of Eyes (Index: 01155.)*—This value set indicates the natural eye color for purposes of identification and should include:

    Brown
    Hazel
    Blue
    Green

5.2.39 *Color of Hair (Index: 010160.)*—This value set indicates the natural hair color for purposes of identification and should include:

    Blond
    Brown
    Black
    Red
    Gray
    White

5.2.40 *Build for Identification (Index: 01175.)*—This value set indicates the general body build for purposes of identification and should include:

    Slender
    Medium
    Heavy

5.2.41 *Isolation Status Code (140001.A143)*—Warning/Isolation status. This element 14001.A143, shall have the following values:

ARP	antibiotic resistance precautions
BP	blood and needle precautions
ENP	enteric precautions
NP	precautions for neutropenic patient
PWP	precautions for pregnant women
RI	respiratory isolation
SE	secretion/excretion precautions
SI	strict isolation
WSP	wound and skin precautions

5.2.42 *Clinical Order/Specimen Action (10001.013/10001.101.05)*—Clinical Order Action/Specimen Action/Code. This element, Index 10001.013/10001.101.05, shall have the following values:

A	Add the ordered tests or batteries to an existing specimen with the patient identifiers and date-time given in this record.
C	Cancel order for the battery or tests named
G	Generated order. This study was initiated by diagnostic service; for example, (one or more) orders for antibiotic sensitivity can be initiated by the lab when organisms grow out of a bold culture.
H	Hold order until time specified by the quantity-timing field
L	Laboratory to obtain a specimen instead of receiving one from the practice
N	New orders accompanying a new specimen
P	Pending specimen. Order has been sent prior to delivery of needed specimen. Practice will provide specimen.
R	Revised order
S	Schedule the tests specified below

5.2.43 *Clinical Order Priority (10001.015)*—Clinical Order Priority. This element, Index 10001.015, shall have the following values:

S	STAT
A	ASAP
R	Routine
P	Pre-op
T	Timing critical
B	Bedside/portable
C	Continuously

5.2.44 *Clinical Order Appt Transport Status (10001.091)*—Clinical Order Appt Transport Status Codes. This element, Index 10001.091 shall have the following values:

PORT	Portable study	The examining device goes to patient
CART	Cart	Patient travels on cart or gurney to the diagnostic service
WHLC	Wheelchair	Patient must be transported by wheelchair
WALK	Walk	Patient walks to the diagnostic service

5.2.45 *Military Service/Veteran Status (01050)*—Military SVC/Veteran Status. This element, Index 01050 shall have the following values:

    NOAA
    USA
    USN
    USAF
    USCG
    USMC
    USPHS

5.2.46 *Order Confirmation Recd Code (10001.057)*—Order Confirmation Recd Code, Index 10001.055, shall have the following values:

Order was cancelled	CA
Order was completed	CM
Order was discontinued	DC
Error, Order not Found	ER
Order is on Hold	HD
In Process, Unspecified	IP
Order has been Replaced	RP
In process, Scheduled	SC

5.2.47 *Diagnostic Service Code (10001.010)*—Diagnostic Service, Index 10001.010 shall have the following values:

AU	Audiology
BG	Blood gases
BLB	Blood bank
CUS	Cardiac ultrasound
CTH	Cardiac catheterization
CT	CAT scan
CH	Chemistry
CP	Cytopathology
EC	Electrocardiac (for example, EKG, EEC, Holter)
EN	Electroneuro (EEG, EMG)
HM	Hematology
IMM	Immunology
MB	Microbiology
MCB	Mycobacteriology
MYC	Mycology
NMS	Nuclear medicine scan
NMR	Nuclear magnetic resonance
NRS	Nursing service measures
OUS	OB ultrasound
OT	Occupational therapy
OTH	Other
OSL	Outside lab
PHR	Pharmacy
PT	Physical therapy
PHY	Physician (Hx, Dx, admission note, etc.)
PF	Pulmonary function
RX	Radiograph
RUS	Radiology ultrasound
RC	Respiratory care (therapy)
RT	Radiation therapy
SR	Serology
SP	Surgical pathology
TX	Toxicology

VUS	Vascular ultrasound	IVPS	IV pig-gyback
VR	Virology	IVP	IV push
XRC	Cineradiograph	WI	Wipe

5.2.48 *(Medication) Administration Route (12001.39; HL7 Table 0162)*—(Medication) Administration Route; Index 12001.39 shall have the following values:

AP	Apply externally	IV	Intravenous
B	Buccal	NS	Nasal
DT	Dental	NG	Nasogastric
GTT	Gastrostomy tube	OP	Ophthalmic
GU	GU irrigant	OT	Otic
IA	Intra-arterial	PO	Oral
IC	Intracardiac	PR	Rectal
ID	Intradermal	SC	Subcutaneous
IH	Inhalation	SL	Sublingual
IM	Intramuscular	TP	Topical
IN	Intranasal	TD	Transdermal
IO	Intraocular	TL	Translingual
IP	Intraperitoneal	UR	Urethral
IS	Intrasynovial	VG	Vaginal
IT	Intrathecal		

5.2.49 *(Medication) Administration Site (12001.40; Table 0163)*—(Medication) Administration Site; Index 12001.40 shall have the following values:

BE	Bilateral ears	LVL	Left vestus lateralis
OU	Bilateral eyes	NB	Nebulized
BN	Bilateral nares	PA	Perianal
BU	Buttock	PERIN	Perineal
CT	Chest tube	RA	Right arm
LA	Left arm	RAC	Right anterior chest
LAC	Left anterior chest	RACF	Right antecubital fossa
LACF	Left antecubital fossa	RD	Right deltoid
LD	Left deltoid	RE	Right ear
LE	Left ear	REJ	Right external jugular
LEJ	Left external jugular	OD	Right eye
OS	Left eye	RF	Right foot
LF	Left foot	RG	Right gluteus medius
LG	Left gluteus medius	RH	Right hand
LH	Left hand	RIJ	Right internal jugular
LIJ	Left internal jugular	RLAQ	Right lower abd. quadrant
LLAQ	Left lower abd. quadrant	RLFA	Right lower forearm
LLFA	Left lower forearm	RMFA	Right mid forearm
LMFA	Left mid forearm	RN	Right naris
LN	Left naris	RPC	Right posterior chest
LPC	Left posterior chest	RSC	Right subclavian
LSC	Left subclavian	RT	Right thigh
LT	Left thigh	RUA	Right upper arm
LUA	Left upper arm	RUAQ	Right upper abd. quadrant
LUAQ	Left upper abd. quadrant	RUFA	Right upper forearm
LUFA	Left upper forearm	RVL	Right vastus lateralis
LVG	Left ventragluteal	RVG	Right ventragluteal

5.2.50 *(Medication) Administration Device (12001.40A; HL7 Table 0164)*—(Medication) Administration Device shall have the following values:

AP	Applicator	IVS	IV solution
BT	Buretrol	MI	Metered inhaler
HL	Heparin lock	NEB	Nebulizer
IPPB	IPPB	PCA	PCA pump
IVP	IV pump		

5.2.51 *(Medication) Administration Method (12001.40B; HL7 Table 0165)*—(Medication) Administration Method shall have the following values:

CH	Chew	NB	Nebulized
DI	Dissolve	PT	Pain
DU	Dust	PF	Perfuse
IF	Infiltrate	SH	Shampoo
IS	Insert	SO	Soak
IR	Irrigate	WA	Wash

5.2.52 *Result Status/Observation Result Status (10001.120.03/)*—Observation Result Status Code, Index 10001.120.03 shall have the following values:

F   Verified final results are all available, order is complete.
P   Preliminary: Some of the verified preliminary results are available.[A] Additional or confirmatory reports may be expected.
M   Some of the verified final results are missing (some are also present). (new)
I   Order and all applicable specimens received, procedure incomplete.
R   Results stored, not verified.
C   Correction of (a) previously transmitted result(s).
S   Procedure scheduled, not complete.
O   Order received, specimens not received or are incomplete.
D   Order deleted by requestor. (new)
X   Procedure cannot be done, order cancelled.
Y   No order on record for this procedure (in response to query).
Z   No record of this patient (in response to query).
Priority: ZYXDOSIRPMFC[B]

[A] Preliminary means interim values of a long term test, such as a microbiologic test, or reports that have been typed but not reviewed by the interpreter.
[B] Priority indicates the temporal order in which codes may replace one another.

R   Result entered, not verified.
P   Preliminary: A verified early result is available, final result not yet obtained.
F   Result complete and verified (final).
C   Corrected: Reported final result is superseded by a verified, modified result.
I   Specimen received, procedure incomplete.
D   Previous preliminary or final result/observation is deleted.
X   Procedure cannot be done, order cancelled.
U   Previously transmitted result status changed to final-results unchanged.
S   Partial results
Priority: XDISRPFUC[A]

[A] Priority indicates the temporal order in which codes may replace one another.

5.2.53 *Clin Order Response Action (10001.058)*—Response shall have the following values:

E   Report Exception Only
R   Same as E, also replacement and parent-child
D   Same as R, also other associated segments
F   Same a D plus confirmations explicitly
N   Only MSA segment is returned

5.2.54 *Abnormal Change Code (11001.01.57.03)*—Abnormal Change Code Index 11001.01.57.03 shall have the following values:

L   Below low normal
H   above high normal
LL   Below lower panic limits
HH   above upper panic limits
<   below absolute low, that is, off low scale on an instrument
>   above absolute high, that is, off high scale on an instrument
N   Normal
A   abnormal-applies to non-numeric results
AA   very abnormal-applies to nonnumeric results (analagous to panic limits for numeric units)
Null   no ranges defined or normal ranges do not apply to this test result
U   significant change up
D   significant change down
B   better, use when direction not relevant or not defined
W   worse, use when direction not relevant or not defined

5.2.55 *Antibiotic Susceptibility (11001.01.60.02)*—Antibiotic Susceptibility Code; Index 11001.01.60.02 shall have the following values:

R   the give organism is resistant to the antibiotic
I   the sensitivity is intermediate

S	the organism is sensitive to the antibiotic
MS	moderately sensitive
VS	very sensitive

5.2.56 *Abnormal Range Check Code (11001.01.57.04)*—Abnormal Range Check Code; Index 11001.01.57.04 shall have the following values:

A	denotes that an age-based population was tested
S	a sex-based population
R	a race-based population
N	generic normal range

5.2.57 *Specimen Additives (10001.101.06)*—Specimen Additives Code Index 10001.101.60 shall have the following values:

Lithium Heparin-anticoagulant	LIH	Green	Dry powder. 10 to 30 USP units per mL of blood.
Sodium Heparin-anticoagulant	NAH	Green	Dried solution. 10 to 30 USP units per mL of blood.
Ethylenediaminetetraacetic acid; dipotassium salt [EDTA (K_2)]	K2E	Lavender	Dry powder. 1.5 to 2.2 mg per mL of blood.
Ethylenediaminetetraacetic acid; tripotassium salt [EDTA (K_3)]	K3E	Lavender	Clear solution. 1.5 to 2.2 mg per mL of blood.

5.2.58 *Order Timing Interval (1001.067)*—Order Timing Interval; Index 10001.067 shall have the following values:

(a) Q<integer>S[A] = every <integer> seconds
(b) Q<integer>M[A] = every <integer> minutes
(c) Q<integer>H[A] = every <integer> hours
(d) Q<integer>D[A] = every <integer> days
(e) Q<integer>W[A] = every <integer> weeks
(f) Q<integer>L[A] = every <integer> (Lunar cycle)
(g) Q<integer>J[A] = every week on the <integer> day of the week. 1 = Monday, 7 = Sunday (we use J from the French, "jour")
(h) BID[A] = twice a day at institution specified times (for example, 9 AM-4 PM)
(i) TID[A] = three times a day at institution specified times (for example, 9 AM-4 PM-9 PM)
(j) QID[A] = four times/day at institution specified times (for example, 9 AM-11 AM-4 PM-9 PM)
(k) QAM = in the morning at institution specified time
(l) QSHIFT = during each of 3 eight hour shifts at institution specified times
(m) QOD = every other day
(n) QHS = every day before the hour of sleep
(o) QPM = in the evening at institution specified time
(p) C = service is provided continuously between the start time and the stop time
(q) U<spec> = for future, where <spec> is the service intervals defined/processed by syntax of UNIX chrontab
(r) Once = one time only. This is also the default when this component is null.

[A] Not equivalent to their Q<integer>H counterpart. QID is not the same as Q6H. The former is unequally spaced. The latter is equally spaced.

5.2.59 *Order Timing Duration (1001.067)*—Clinical Order Timing Duration: Index 10001.067 shall have the following values:

S <integer> do for <integer> seconds
M <integer> do for <integer> minutes
H <integer> do for <integer> hours
D <integer> do for <integer> days
W <integer> do for <integer> weeks
L <integer> do for <integer> months
X <integer> do <integer> times at interval specified in the order. For two blood cultures Q2H X3 would imply obtaining two blood cultures three different times at two hour intervals for a total of six blood cultures.
T <integer> do at the interval and amount stated until a total dosage of <integer> is accumulated. Units are assumed to be the same as in the QUANTITY field.
INDEF do indefinitely. This is also the default if the value is nil unless once is specified as the repeat interval.

5.2.60 *Observation ID Suffix (11001.01.51)*—Observation ID Suffix; Index 11001.01.51 shall have the following values:

Coded Results (type)		
Diagnostic ImpressionK	IMP	CE
Recommendation	REC	CE
Confirming procedure	CNP	CE
Procedure medication	MED	CE
Anatomic site	ANT	CE
Device/Instrument	DEV	CE
Serial number device/Instrument	SER	ST
Bulk Text Reports		
Gross or general description of the study	GDT	TX
Microscopic or secondary description	MDT	TX
Technician's comment	TCM	TX
Addendum note	ADT	TX
Other		
Diagnosis onset date/time	ITM	TS
Diagnosis resolution date/time	RTM	TS
Comparison study	CMS	CE
Comparison date/time	CMT	TS
Comparison results	CMR	CE
Comparison change	CMC	CE
Predicted value	PRD	ST
Percent predicted	PPR	ST
After drug observed	AFD	ST
Predicted value after drug	ADP	ST
Percent predicted after drug	APP	ST

5.2.61 *Unit of Measure (11001.01.57.02)*—Unit of Measure; Index 11001.01.57.02 shall be constructed from the following four tables to result in a single value representing the unit of measure:

Base Units	
Ampere	A
Candela	Cd
Kelvin	K
Kilogram	Kg
Metre	M
Mole	Mol
Second	S
Derived Units	
Coulomb	C
Day	D
degree Celsius	Cel
Farad	F
Hertz	Hz
Hour	Hr
Joule	J
minute (time)	Min
newton	n
ohm	ohm
Pascal	pal
Volt	v
Watt	w
Weber	wb
Year	ann
Other Units	
atomic mass unit	u
Bel	b
Decibel	db
Degree	deg
Gram	g
Grey	gy
Henry	h
Liter	l
Lumen	lm
Lux	lx
minute of arc	mnt
Radian	rad
Siemens	sie
Steradian	sr
Tesla	t

Unit of Measure:

| Exa | 10^{18} | ex |

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Peta	10^{15}	pe
Tera	10^{12}	T
Giga	10^{9}	g
Mega	10^{6}	ma
Kilo	10^{3}	K
Hecto	10^{2}	h
Deca	10^{1}	da
Deci	10^{-1}	d
Centi	10^{-2}	c
Milli	10^{-3}	m
Mi-cro	10^{-6}	u
Nano	10^{-9}	n
Pico	10^{-12}	p
Femto	10^{-15}	F
Atto	10^{-18}	a

Unit of Measure:

Common ISO Derived Units and ISO Extensions[A]

Name	Code/Abbreviation
1/L	/l
10^{3}/litre[A]	10*3/l
10^{6}/litre[A]	10*6/l
10^{9}/litre[A]	10*9/l
10^{12}/litre[A]	10*12/l
1/millilitre[A]	1/ml
10^{3}/milliliter[A]	10*3/ml
10^{6}/milliliter[A]	10*6/ml
10^{9}/milliliter[A]	10*9/ml
1000 red blood cells[A]	10*3(rbc)
Beats per minute	/min
Bodansky U[A]	(bdsk_u)
Body surface area[A]	(bsa)
Calories[A]	(cal)
Catalytic fraction[A]	1
Cells/litre	/l
CM of water[A]	cm (h2o)
Colony forming units[A]	(cfu)
Day	d
Decibels	db
Decibels a Scale[A]	dba
Degrees Celsius	cel
Degrees of Angle	deg
Femtogram	fg
Femtolitre	fl
Femtomole	fmol
Fibers/millilitre[A]	/ml
Grams creatinine[A]	g(creat)
Grams hemoglobin[A]	g(hgb)
Grams total nitrogen[A]	g(tot_nit)
Grams total protein[A]	g(tot_prot)
Grams wet weight tissue[A]	g(wet_tis)
Gram/Decilitre	g/dl
Gram/Litre	g/l
Grams	g
International Units[A]	iu
International Unit/Day[A]	iu/d
International Unit/Millilitre[A]	iu/ml
International Unit/Litre[A]	iu/l
Kilogram body weight[A]	kg(body_wt)
Katal[A]	kat
Katal/Kilogram[A]	kat/kg
Katal/Litre[A]	kat/l
Kilocalories	(kcal)
Kilogram/Litre[A]	kg/l
Kilograms	kg
Kunkel U[A]	knk_u
Lumen	lm
Lumen Per Square Metre	lm/m2
MacLagan U[A]	mclg_u
Metres	m
Metres/Second	m/s
Metres/Second[2]	m/s2
Micro international unit[A]	uiu
Microgram	ug
Microgram/Decilitre	ug/dl
Microgram/Gram	ug/g

Common ISO Derived Units and ISO Extensions[A]

Name	Code/Abbreviation
Microgram/Litre	ug/l
Microgram/Minute	ug/min
Microgram/Day	ug/d
Micro katel[A]	ukat
Micro metre = micron	um
Micro mole	umol
Micro second	us
Milliequivalents[A]	meq
Microequivalents[A]	ueq
Milliequivalents/Litre[A]	meq/l
Milligram/Day	mg/d
Milligram/Decilitre	mg/dl
Milligram/Litre	mg/l
Milligram/Minute	mg/min
Milligram	mg
Milligram/Decilitre	mg/dl
Milligrams/Cubic Metre	mg/m3
Millilitre	ml
Millilitre/Minute	ml/min
Millilitre/Second	ml/s
Millimetre	mm
Millimetre (HG)[A]	mm(hg)
Millimetre/Hour	mm/hr
Millimole/Litre	mmol/l
Millimoles/Day	mmol/d
Milliosmols/Litre[A]	mosm/l
Milliunits/Millilitre[A]	miu/ml
Moles/Kilogram	mol/kg
Moles/Litre	mol/l
Moles/Second	mol/s
Nanogram	ng
Nanokatel[A]	nkat
Nanometre	nm
Nanosecond	ns
Nanogram/Litre	ng/l
Nanogram/Millilitre	ng/ml
Nanomoles/Second	nmol/s
O.D. (optical density)[A]	(od)
P.U.[A]	(pu)
Pa[A]	(pa)
pH[A]	(ph)
Particles Total Count[A]	1(tot)/(tot)
Particles/Cubic Metre[A]	/m3
Particles/Litre[A]	/l
Parts Per Billion[A]	(ppb)
Parts Per Million[A]	(ppm)
Pascal	pal
Per High Power Field[A]	/(hpf)
Percent[A]	%
Picogram	pg
Picogram/Litre	pg/l
Picogram/Millilitre	pg/ml
Picokatel[A]	pkat
Picometre	pm
Picomole	pmol
Picosecond	ps
Todd U[A]	(td_u)
Volume Fraction	1

[A] The abbreviations for conventional U.S. units of time are the same as ISO, except for the year: ISO = ANN, ANSI = yr, the metric units in X3.50 are the same as ISO, except for pascal ("pa" in ANSI, "pal" in ISO); "min" is used for time and arc in ANSI, ISO uses "mnt" to identify minute of arc. In ISO seconds are abbreviated as "s," in ANSI, "sec."

Unit of Measure:

Unit	Abbreviation
Length	
inch	in
foot	ft
mile (statute)	mi
nautical mile	nmi
rod	rod
yard	yd
Volume	
cubic foot	cft

Unit	Abbreviation
cubic inch	cin
cubic yard	cyd
tablespoon	tbs
teaspoon	tsp
pint	pt
quart	qt
gallon	gal
ounce (fluid)	foz
Time[A]	
year	yr
month	Mo
week	Wk
day	D
hour	Hr
minute	Min
second	Sec
Area	
square foot	Sqf
square inch	Sin
square yard	Syd
Mass	
dram	Dr
grain	gr (avoid)
ounce (weight)	Oz
pound	Lb
Other ANSI Units, Derived Units, and Miscellaneous Units	
British thermal unit[B]	Btu
cubic feet/min	cft/min
degrees farenheit[B]	deg f
feet/min[B]	ft/min
Millirad[B]	Mrad
RAD[B]	Rad

[A] The abbreviations for conventional U.S. units of time are the same as ISO, except for the year: ISO = ANN, ANSI = yr, the metric units in X3.50 are the same as ISO, except for pascal ("pa" in ANSI, "pal" in ISO); "min" is used for time and arc in ANSI, ISO uses "mnt" to identify minute of arc. In ISO seconds are abbreviated as "s," in ANSI, "sec."

[B] Non-metric units not explicitly listed in ANSI.

5.2.62 *State Death Certificate Recorded/Practitioner Licensing State (01245/04001.35.01)*—State Death Certificate Recorded/Practitioner Licensing State; Index 01245/04001.35.01 shall have the following values:

These data elements shall reflect the US States in which these events occurred and shall use the codes for State Abbreviations given in FIPSPUB 5-1.

5.2.63 *Immunization Reaction/Result (06001.01.15)*—Immunization Reaction/Result; Index 06001.01.15 shall have the following values:

No Adverse Reaction	NAR
Adverse Reaction, NOS	ADVNOS

5.2.64 *Birth Method (08005.)*—Birth Method; Index 08005. shall have the following values:

Natural: Full Term Spontaneous Vaginal Birth	NFT
Natural: Early Spontaneous Vaginal Birth	NE
Assisted Vaginal Birth	AV
Assisted Vaginal Birth, Forceps	AVF
Assisted Vaginal Birth, Vacuum Device	AVV
Cesarean, NOS	CS
Cesarean, Laboring Patient	CBL
Cesarean, Non-Laboring Patient	CBL

5.2.65 *Tooth Sensitivity Code (09001.30.06)*—Tooth Sensitivity Code; Index 09001.30.06 shall have the following values:

Normal	NS
Cold sensitive	CS
Heat sensitive	HS
Percussive sensitive	PS

5.2.66 *Tooth Mobility Code (09001.30.07)*—Tooth Mobility Code; Index 09001.30.07 shall have the following values:

Not mobile	NM
+1 mobile	1M
+2 mobile	2M
+3 mobile and	3M

5.2.67 *Prosthesis Type (09001.40.01)*—Prosthesis Type; Index 09001.40.01 shall have the following values:

Fixed Partial Denture	FPD
Removable Partial Denture	RPD

5.2.68 *Test Specimen Source (11001.01.24)*—Test Specimen Source; Index 11001.01.24 shall be consistent with LOINC Sample Type Codes found in the most recent LOINC Users Guide Table 10). The LOINC User's Guide is available from the LOINC website (currently http://www.regenstrief.org/medinformatics/loinc/downloads).

SPECIMEN TYPE	
Specimen Type (Source: LOINC Table 10, ASTM E 1633–06 5.2.68	Specimen Type Name

5.2.69 *Encounter Status (14001.A010)*—Encounter Status; Index 14001.A010 shall have the following values:

In Progress	IP
Completed	CMP
Scheduled	SCH

5.2.70 *Encounter Patient Arrival Condition (14001.A020)*—Encounter Patient Arrival Condition; Index 14001.A020 shall have the following values:

Dead on Arrival	DOA
Emergency	EMRG
Stable	STBL

5.2.71 *Injury On the Job Status (14001.A040)*—Injury On the Job Status; Index 14001.A040 shall have the following values:

Injured: Work Hours	IWH
Injured: Commuting to Work	ICW

5.2.72 *Police Hold Status (14001.A206)*—Police Hold Status; Index 14001.A206 shall have the following values:

Arrested	ARR
Held for Investigation	HIN
Incarcerated: Guarded	INC

5.2.73 *Medical Examiner Notification Code (14001.A213)*—Medical Examiner Notification Code; Index 14001.A213 shall have the following values:

Died While Under Care	DUC
Dead on Arrival at Care Facility	DOA

5.2.74 *Tooth ID (09001.30)*—Tooth ID; Index 09001.30 shall have the values in the following table:

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