

**C**ommon  
**D**ata  
**E**lements

# Implementation Guide

Version 2.4

([www.cdc.gov/data/index.htm](http://www.cdc.gov/data/index.htm))

**Standards and Liaison Committee  
Health Information and Surveillance Systems Board**

U. S. DEPARTMENT OF HEALTH AND HUMAN SERVICES





## Table of Contents

|    |  |     |
|----|--|-----|
| 1. | Introduction .....   | 5   |
|    | a. Statement of Purpose .....                                  | 5   |
|    | b. Rationale for Common Data Elements .....                    | 6   |
|    | c. Objectives .....  | 6   |
|    | d. Guidelines for selecting data standards for CDC .....       | 7   |
|    | e. Exemptions from the Standard .....                          | 8   |
|    | f. Variable Selection .....                                    | 8   |
|    | g. Recommendations for Standardization of Numeric Fields ..... | 9   |
| 2. | Common Data Elements .....                                     | 11  |
|    | Missing Values .....   | 13  |
|    | Date .....   | 19  |
|    | Country .....  | 25  |
|    | Age .....  | 29  |
|    | Sex .....  | 35  |
|    | Region .....   | 40  |
|    | Name .....   | 43  |
|    | Address .....  | 51  |
|    | Marital Status .....   | 68  |
|    | Ethnicity .....  | 72  |
|    | Race .....   | 79  |
|    | Record Multiplier .....  | 124 |
|    | Case Classification .....                                      | 127 |
|    | Next of Kin .....  | 130 |
|    | Categorical Age .....  | 139 |
|    | Occupation .....   | 142 |
|    | Industry .....   | 146 |
|    | Yes/No Indicator .....   | 150 |
|    | Report Source .....  | 153 |
|    | Education .....  | 169 |
| 3. | Integration- <i>Value Storage vs. Transmission</i> .....       | 175 |
| 4. | Data Dictionary .....  | 177 |
| 5. | References .....   | 182 |



# 1. Introduction

**a. Statement of Purpose:**

The Centers for Disease Control and Prevention and the Agency for Toxic Substances and Disease Registry (CDC/ATSDR) have established a process for the development and approval of proposed standard data elements for use in health information and surveillance systems that are under their aegis. The CDC/ATSDR Health Information and Surveillance Systems Board (HISSB) has been given responsibility for this process and is asking for your help.

We believe that the identification, development, if necessary, and implementation of standards for data needed by our nation's health system, including its health care and public health information systems, constitute a critical priority. The importance of such standards has been recognized by the National Committee on Vital and Health Statistics and is addressed by the Health Insurance Portability and Accountability Act of 1996 (HIPAA). CDC and ATSDR are supporting and participating in the development of data standards, especially those that concern data of public health importance. We hope that this process will yield useful standards that will widely influence public health data systems at all jurisdictional levels.

Because standards based on X12 and HL7 are likely to be adopted for HIPAA, we have carefully considered these standards as we have developed the enclosed, proposed standards. Finally, in anticipation of the adoption of the national HIPAA standards for administrative health data that will be collected electronically, CDC and ATSDR are working to ensure that the HIPAA standards for these data meet our public health needs.

Note that each proposed standard is actually several standards, specifying methods for data collection storage, electronic data interchange and transmission, and dissemination. These proposals have been carefully reviewed internally at CDC and ATSDR and are now being distributed widely for external comment. Every few months or so, as additional standards are identified and developed internally, they will be sent to you and others for review and comment.

Please consider these proposed standards from several perspectives, such as the extent they will support your public health work and facilitate your use of public health data, and the degree to which they agree or conflict with data standards that

are being proposed and being developed in your public health jurisdiction or organization. We ask that you share these proposed standards with concerned colleagues. Comments can be mailed to me at the below address. Alternatively, these standards can be viewed via the CDC Homepage under the section entitled Data and Statistics and the subheading of Proposed CDC health data standards.

If we receive only minimal comments regarding a proposed standard, it can be expected that it will be adopted by HISSB. However, if substantive concerns are received, then the proposed standard will be reviewed internally again, perhaps revised, and then redistributed for external comment. Thank you for reviewing these proposed standards and participating in this process.

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**b. Rationale for Common Data Elements(CDE):**

- i. The Department of Health and Human Service's (HHS) implementation of the 'Health Insurance Portability and Accountability Act of 1996' (Kassebaum/Kennedy Bill) which requires the Secretary of Health and Human Services (HHS) to adopt standards for electronic transactions.
- ii. The CDC's Health Information and Surveillance Systems Board's (HISSB) initiative to integrate systems.
- iii. Address the states' burden supporting multiple categorical surveillance systems.

**c. Objectives:**

- i. To develop integrated public health information and surveillance systems that have data elements defined, collected, stored, and transmitted in identical ways.

- ii. To standardize transactions and datasets to reduce training, programming, data entry and program support costs in integrated systems, facilitate trend analyses across studies, and enable surveillance and other systems to communicate.
- iii. To create a standard that is compatible with electronic data interchange(EDI) standards when they exist.
- iv. To resolve ambiguities in standards and inconsistencies among systems by comparing de facto and standard development organization (SDO) standards.
- v. To develop complete documentation on CDEs, including variable names, description, format, and coding schemes.
- vi. To map existing data into these standards and develop new code sets if necessary.
- vii. To satisfy system privacy and confidentiality requirements.

**d. Guidelines for selecting data standards for CDC:**

- i. Determine whether HHS, as part of its requirement under HIPAA, has selected or developed a standard suitable for a given data element or transaction. If it has, adopt that standard for CDC use. If it has not, go to ii.
- ii. Notify ANSI HISB that CDC is interested in selecting or, if necessary, developing a standard for a given data element or transaction. Request from ANSI HISB any available existing voluntary consensus standards for the data element or transaction under consideration.
- iii. If a list of existing voluntary consensus standards for the data element or transaction under consideration is not available from ANSI HISB, identify existing standards developed by voluntary consensus standards bodies.
- iv. Assess the usefulness and practicality to CDC of existing standards identified in steps ii and iii.

- v. If one or more useful and practical standards for the data element or transaction under consideration have been developed by one or more voluntary consensus standards bodies, select the CDC standard using the following priority order:
  - (1) Standard adopted under HIPAA.
  - (2) Standard developed by X12 (because most HIPAA standards are X12) or standard developed by HL7 depending on the variable and needs of the users.
  - (3) Standard developed by other voluntary consensus standards body.
  - (4) Identify domain experts and develop standard in HISSB Standards Committee. Standards expanded or developed at the CDC will be compatible with existing standards to permit mapping to EDI messages.

**e. Exemptions from the Standard:**

Exemptions from these standards are granted on a case by case basis by the CDC Health Information and Surveillance System Board (HISSB). Exemptions can be full or partial and are based on the states of processing - collection, storage, electronic data interchange (EDI) transmission, and dissemination.

*If a category is not relevant, it does not need to be collected. Data element categories may be expanded into more detail if they collapse into the standard.*

**f. Variable Selection:**

Variables were selected for inclusion in this document based on utility to disease surveillance, integration of disparate datasets in data warehousing, and existence of accepted standards. Programs and special interest groups are encouraged to participate in the HISSB Standards Committee to propose additional variables or modify proposals in internal or external review. External reviewers can view the standards at the CDC Internet web site [WWW.CDC.GOV/DATA/INDEX.HTM](http://WWW.CDC.GOV/DATA/INDEX.HTM) and provide feedback via email there. As special interest groups form and begin to support individual variables, the CDC will represent public health and provide input to standards development organizations (SDOs) like HL7 and developers of vocabularies such as SNOMED via the HISSB Liaison Committee.



**g. Recommendations for Standardization of Numeric Fields:**

The following are suggestions for the standard coding of numeric fields. They are being presented to HISSB Standards Committee for discussion.

- i. Wherever integers are presented as character strings, they must either be padded with leading zeroes or right-justified. No embedded spaces or commas may be included between digits since some data systems may consider the space or the comma as terminating the number. Left justification with trailing spaces should not be used because of the potential that some programming languages will misread those spaces as zeroes. For example, the integer value 1 could be represented in a character field of width 3 as either '001' or 'bb1', but not as '1bb' where 'b' equals blank. The integer value -1 could be represented as '-01' or 'b-1' but not as '- b1'.
- ii. Floating point numbers presented as character strings must include the letter 'E' as the indicator for the exponent when more than five digits. A numeric digit is required to be immediately before and after the 'E'. As with integers, the values may not contain embedded spaces or commas, and must either be padded with leading zeroes or right justified within the allocated space. The floating point number 1 could be represented as any of '01E0' or '.1E1'. However '1bE0', and '1Eb0' would be invalid.
- iii. Generally, numeric codes are preferred for data elements with scalar or ordinal content, and character codes are preferred for data elements with categorical content. This will help assure that users of the data better understand which type of data they are working with. It will also help prevent a categorical fields from being accidentally treated as scalars in a statistical analysis. Logical variables are coded 0 = "No" and 1 = "Yes".
- iv. Numeric fields may be represented internally in any desired format -- including floating-point, integer, binary-coded decimal, or a representation of the number as a character field -- so long as full numeric precision is maintained. Internal storage format should be considered an internal system architecture issue and beyond the scope of the standards setting process.
- v. These rules apply only to data elements that are not explicitly covered by external standards that CDC chooses to use. If there is conflict between

the rules given here and those of an adopted external standard, then the rules for the external standard take precedence.

## 2. Common Data Elements

| <i>CDE</i>          | <i>CDC Status</i> |
|---------------------|-------------------|
| Missing Values      | Internal          |
| Date                | Approved          |
| Country             | Approved          |
| Age                 | Approved          |
| Sex                 | Approved          |
| Region              | Approved          |
| Name                | Approved          |
| Address             | Approved          |
| Marital Status      | Internal          |
| Ethnicity           | External          |
| Race                | External          |
| Record Multiplier   | Internal          |
| Case Classification | Internal          |
| Next of Kin         | Internal          |
| Categorical Age     | Internal          |
| Industry            | Internal          |
| Occupation          | Internal          |
| Yes/No Indicator    | Internal          |
| Report Source       | Internal          |
| Education           | Internal          |



## Missing Values

|  |
|--|
| Status: Internal<br>Version: 2<br>Date: 5/7/1999 |
|--|

**Definition of Variable:** Missing value reason(MVR) for a question.

**Comment:** This standard is based on standards from X12 and HL7.

Purpose of standard missing values:

- To retain flexibility based on user's needs and common practice.
- To eliminate variable coding for missing values and mis-interpreted missing values, e.g. '9', '0', and illegal date values.
- To separate value and missing value reason either by a companion variable or in an missing value file to promote the use of uniform codes for missing values across variables in a dataset.
- To be consistent with future changes to HL7. Version 3 architecture will likely include table-driven missing values to enhance system interoperability.

1. **Proposal Description** - *a specific description of what standard is being proposed.*

Recommended name: Consists of the suffix '\_MVR' appended to the data element name, e.g. SEX\_MVR .

The data item can vary according to the four states of processing:

- i. Collection - Types of Missing Value Processing:

***No interest in missing values.***

Values will use default system missing values, e.g. '.', "", and ' '. Zero is not a legitimate missing value.

***Selected variables have coded missing values.***

- DBMS supports special missing values, e.g. SAS. Missing values are mapped to standard for dissemination.
- Embedded missing values are used, e.g. AGE = 'D' (See below). Missing values are mapped to standard for dissemination. *Not recommended.*
- A companion missing value reason(MVR) variable is added, e.g.

Sex Sex Status 

(See definition below)

***All variables have missing values.***

- DBMS supports special missing values. Missing values are mapped to standard for dissemination.
- Embedded missing values are used, e.g. AGE = 'D'. Missing values are mapped to standard for dissemination. *Not recommended.*
- A companion MVR variable is added or a missing value is entered into a missing value file.

Users will access the missing value file when information on missing values is needed. The record structure for a missing value file could have the following structure:

| ID   | VARIABLE | MVR |
|------|----------|-----|
| 0001 | Sex      | D   |
| 0001 | Age      | R   |
| 0005 | Sex      | S   |

The following table defines all the proposed missing value codes:

| Table Description             | MVR Value | Provenance           |
|-------------------------------|-----------|----------------------|
| Unknown, Not Qualified        | U         | Form                 |
| Deleted for Confidentiality   | D         | Form                 |
| Refused                       | R         | Form                 |
| Sought but Unknown            | S         | Form                 |
| Not Collected/Applicable      | C         | Form                 |
| Edit Failed, Invalid value    | E         | System               |
| Missing Due to Skip Patterns  | P         | System               |
| Missing Input Parameter       | M         | System/<br>Algorithm |
| Result not Well Defined       | N         | Algorithm            |
| Failed Calculation            | F         | Algorithm            |
| In Process, Result Pending    | I         | Form                 |
| Lab Value Can Not be Obtained | X         | Form                 |
| Presumed No                   | Z         | System               |

- i. Storage - Missing variables are stored as a character variables with a length of one.
- ii. Electronic Data Interchange (EDI) Transmission - The value will be transmitted as a string in an EDI message, e.g. such as HL7 defines, illegitimate values will be set to missing when the message is constructed.
- iii. Dissemination - The data will be supplied in the standard format in public use datasets to facilitate integration with other datasets. Illegitimate values will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

2. **Scope** - *a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems.

3. **Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 1999 for new systems becoming operational after that date.

Dec. 31, 1999 for versions of existing systems undergoing major modifications that will be redeployed after that date.

4. **Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*



To code missing variables in a standard format to improve interoperability and reduce redundant data entry among systems and datasets.

**5. Other Applicable Standards** - *standards in existence elsewhere (if any) that apply to the proposed standard.*

a. HL7 (Health Level Seven)

Table 0123 Result Status

|   |  |
|---|--|
| O | Order received; specimen not yet received  |
| I | No results available; specimen received, procedure incomplete                            |
| S | No results available; procedure scheduled, but not done                                  |
| A | Some, but not all, results available   |
| P | Preliminary: A verified early result is available, final results not yet obtained        |
| C | Correction to results  |
| R | Results stored; not yet verified   |
| F | Final results; results stored and verified. Can only be changed with a corrected result. |
| X | No results available; Order canceled.  |
| Y | No order on record for this test. (Used only on queries)                                 |
| Z | No record of this patient. (Used only on queries)  |

Table 0085 Observation Result Status Codes Interpretation

|   |   |
|---|---|
| C | Record coming over is a correction and thus replaces a final result |
| D | Deletes the OBX record  |
| F | Final results; Can only be changed with a corrected result.         |
| I | Specimen in lab; results pending                                    |
| P | Preliminary results   |
| R | Results entered - not verified                                      |

|   |  |
|---|--|
| S | Partial results  |
| X | Results cannot be obtained for this observation  |
| U | Results status change to Final. Results did not change (don't transmit test). E.g., radiology changes status from preliminary to final |

6. **Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).

# Date

|   |
|---|
| Status: Approved<br>Version: 17<br>Date:1/22/1999 |
|---|

**Definition of Variable:** Various types of dates as reported in information systems, databases, data sets, and surveillance systems

**Comment:** This recommendation is consistent with the other applicable standards listed which include NIST, HL7, ISO, and NCVHS. The HL7 standard, containing more detail, is relevant to durations and specialized ages useful to public health research.

1. **Proposal Description** - *a specific description of what standard is being proposed.*

This standard has the following components:

- a. It requires that four-digit year elements be used whenever systems are collecting, disseminating, and interchanging year as a separate variable **or** as part of a compound date variable, e.g. SAS date, thereby requiring all systems to be in compliance with existing directives for year 2000 conversion (see 5.a).
- b. It specifies a collection standard for all date variables and their elements.
  - The following values are permitted:

|      | <u>Value</u>           | <u>Length of Character Variable</u> |
|------|------------------------|-------------------------------------|
| YYYY | <i>legitimate year</i> | 4                                   |
| MM   | 01-12                  | 2                                   |

|         |                        |     |
|---------|------------------------|-----|
| DD      | 01- 31(based on month) | 2   |
| HH      | 00-23                  | 2   |
| mm      | 00-59                  | 2   |
| SS.SSSS | 00.0000-59.9999        | 2-6 |
| ZZZZ    | +/- 0000-1259          | 5   |

where

YYYY = Year  
MM= Month of Year  
DD = Day of Month  
HH = Hours  
mm = Minutes  
SS.SSSS = Seconds  
+/- ZZZZ= Time Zone Offset

- Year must always be fully represented with four digits; therefore storage must support this and ensure that sorting by year works properly.
- Alternatively, software that collects dates as “date-type” variables, such as SAS, must be Year 2000 compliant, capable of accurately producing year in the YYYY format, and able to produce messages in the HL7 EDI format. Dates collected as “date-type” variables are exempted from the balance of this coding scheme otherwise.
- New systems going into production after Dec. 31, 1998, must store date variables and their elements either according to the coding scheme specified herein or as compliant proprietary “date-type” variables.
- For presentation purposes (on-line display and printed reports), the sequencing, format, and numeric representation of date variables and their elements can be varied.
- Recommended Name(s):
  - i) Date of Birth

DOB  
or

DOB\_YR  
DOB\_MO  
DOB\_DY

ii) Date of Death

DOD  
or  
DOD\_YR  
DOD\_MO  
DOD\_DY

Other date variable names will be user-defined.

- c. It specifies an electronic data interchange standard, namely the HL7 (Health Level Seven) standard, to be used whenever date variables are electronically interchanged.
- Date variables and their elements, containing needed elements **only**, are compatible with the HL7 electronic data interchange (EDI) format YYYY[MM[DD[HHmm[SS[.S[S[S[S]]]]]]]]][+/-ZZZZ]
  - Truncation will occur at the first missing element in the format when an HL7 message is constructed. For example, 'YYYY DD' and 'YYYY99DD' are invalid date values; truncation will occur in both instances after 'YYYY'.
  - The month and day are truncated according to the HL7 encoding rules for the DT-type variable and Electronic Data Interchange (EDI) 'best-practice' standards, i.e., embedded, non-valid values for missing data are not permitted. Local storage is unaffected by this truncation when incomplete dates are collected.
- d. This standard encourages completeness (i.e., no missing values) when date variables and their elements are collected and stored. It does not establish a comprehensive standard for dealing with missing values for date variables and their elements; however it does impose rules (i.e., truncation) for missing values within date variables that are electronically interchanged.

A subsequent standard is needed to address missing values associated

with date variables and their elements, regardless of their intended use (i.e., electronic interchange or no electronic interchange).

2. **Scope** - *a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems.

3. **Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

- a. All currently existing systems must be capable of reporting year in YYYY format by Dec. 31, 1998.
- b. All currently existing systems, especially those using EDI (electronic data interchange), are encouraged to make needed modifications as soon as practical.
- c. All systems currently being developed that go into production between now and Dec. 31, 1998 will be released in a Year 2000-compliant mode if they are expected to use or contain dates beyond Dec. 31, 1999.
- d. All systems newly coming online after Dec. 31, 1998 will comply with the entirety of this standard.

4. **Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

Information systems will fail to operate or give erroneous results if 2 digit year fields are still in use after the Year 2000 begins. Usually information

systems will interpret 2 digit years to be years in the 1900's. This will adversely affect calculations, timed trigger events, sorting sequences, etc. Moreover, electronic data exchanges with data providers and consumers will cause other effects in interdependent systems.

**5. Other Applicable Standards - standards in existence elsewhere (if any) that apply to the proposed standard.**

a. NIST (National Institute of Standards and Technology)

Only blanks be allowed for missing data to be consistent with applicable national standards and that an additional companion field be created to allow for additional information and differentiation of various conditions, e.g. unknown data, data not collected, and possibly data that were estimated rather than being actual (e.g. inserting the first day of a month if the actual day was not known).

Federal Information Processing Standard, FIPS 4-1 revised March 25, 1996 (National Institute of Standards and Technolgy) and ANSI X3.30-1985:

Calendar Date: CCYYMMDD with CC = century, YY = last 2 digits of year, and valid ranges of month = 01 through 12 and day = 01 through 31.

Ordinal Date: CCYYDDD with CC = century, YY = last 2 digits of year, with day of year represented as 01-365 (366 for leap years).

Time elements are sequenced from high order to low order left to right. No separators are used between the time elements.

b. HL7 (Health Level Seven)

HL7 Date of Birth (Item 00110) and Date of Death (Item 00740) in the Patient Identification (PID) Segment are defined with the Time Stamp (TS) data type. Other dates use the Date Type (DT) data type when time information is not needed.

YYYY[MM[DD[HHMM[SS[.S[S[S[S]]]]]]][+/-ZZZZ] is the HL7 format for the Time Stamp. Z is the time zone offset.

c. ISO (International Organization for Standardization)

The data representations used in the HL7 encoding rule are compatible with ISO 8824-1987(E).

d. X12 (American National Standards Institute Accredited Standards Committee X12)

CCYYMMDD

e. NCVHS (National Committee on Vital and Health Statistics)

CCYYMMDD

**6. Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

- a. Systems that will be decommissioned before 1/1/2000 and which do not have date fields that contain future dates.
- b. Systems with no new data that will be added after 12/31/1999 and all dates in the system are pre-Year 2000. However, systems and user documentation shall explicitly explain the date field content as being pre-Year 2000.
- c. Systems where year translation utilities or conversions are built-in and are tested and certified to handle all date permutations.
- d. Special date formats not affected by Year 2000. Example: SAS data sets which are converted and stored in a format that is a sequential integer representation from a standard reference date (e.g. January 1, 1960 in the case of SAS).



# Country

|  |
|--|
| Status: Approved<br>Version: 10<br>Date: 9/20/1999 |
|--|

## Definition of Variable: Country

**Comment:** The standards from ISO were selected. The numeric standard facilitates language independence and table maintenance. The alphabetic standard is selected for human-readable applications and compatibility with many existing systems.

### 1. **Proposal Description** - *a specific description of what standard is being proposed.*

Recommended name(s):

Citizenship - CITIZEN (or CITIZEN1 and CITIZEN2)

The data item can vary according to the four states of processing:

- i. Collection - Country fields shall follow the International Organization for Standardization (ISO Table 3166) two character, three digit codes (*preferred*) or forty-five character short name for nations.

**Note:** To obtain the country codes, an up-to-date ISO table will need to be referenced. Table versions are identified by year of use.

*If a category is not relevant, it does not need to be collected. Data element categories may be expanded into more detail if they collapse into the standard.*

- ii. Storage - Country is stored as a character variable with a length of two, three, or forty-five.
- iii. Electronic Data Interchange (EDI) Transmission - If the value will be transmitted as a string in an EDI message, e.g. such as HL7 defines, illegitimate values will be set to missing when the message is constructed.
- iv. Dissemination - The data will be supplied in the standard format in public use datasets to facilitate integration with other datasets. Illegitimate values will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

2. **Scope** - *a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems.

3. **Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 1998 for new systems becoming operational after that date.

Dec. 31, 1998 for versions of existing systems undergoing major modifications that will be redeployed after that date.

4. **Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code country in a standard format to improve interoperability and reduce redundant data entry among systems and datasets.

**5. Other Applicable Standards** - *standards in existence elsewhere (if any) that apply to the proposed standard.*

- a. HL7 (Health Level Seven)  
HL7 suggests use of the ISO Table 3166.
- b. ISO (International Organization for Standardization)  
ISO Table 3166
- c. X12 (American National Standards Institute Accredited Standards Committee X12)  
ISO Table 3166
- d. NCVHS (National Committee on Vital and Health Statistics)  
NIST FIPS 10-4
- e. NIST FIPS (National Institute of Standards and Technology - Federal Information Processing Standards)

Publication 10-4 'Countries, Dependencies, Areas of Special Sovereignty, and Their Principal Administrative Divisions'

This Standard shall not apply to applications involving interchange of international data that require the use of the country codes of the International Organization for Standardization, i.e., ISO 3166. For the convenience of such users, the ISO 3166 country codes are published in FIPS PUB 104, Guideline for Implementation of ANSI Codes for the Representation of Names of Countries, Dependencies, and Areas of Special Sovereignty. FIPS PUB 104 provides both two- and three-character alphabetic codes for each entity listed. Federal agencies that do not require FIPS PUB 104 for international data interchange, and are not involved in national defense programs or with the mission of the U.S. Department of State, may adopt either set of codes.

**Note:** The NIST FIPS PUB 104 has been withdrawn as of August 4, 1997. FIPS 104 exactly duplicated the ISO Table 3166. As a result, ISO Table 3166 is now recognized as the alpha-numeric code in place for the

federal government and is used by FIPS. Thus, although FIPS 104 is in use, the ISO Table 3166 replaces it.

See: <http://www.itl.nist.gov/div897/pubs/fip10-4.htm>

f. NCHS (National Center for Health Statistics)  
NIST FIPS 10-4  
Bureau of Census designations

g. Bureau of the Census - *Current Population Survey*

Proprietary two to three digit numbering scheme.

- 6. Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).

## Age

|  |
|--|
| Status: Approved<br>Version: 10<br>Date: 1/22/1999 |
|--|

**Definition of Variable:** Age of subject at a defined event, e.g. age at enrollment, age at first follow-up visit.

**Comment:** This recommendation considered standards from the Centers for Disease Control, Census, and NCHS. It is based on the NETSS standard except for elimination of zero as a category code. Census and NCHS use a 'greater than' category for the upper age boundary. It was not implemented to provide maximum age granularity.

1. **Proposal Description** - *a specific description of what standard is being proposed.*

Recommended name(s): AGE  
AGETYPE  
or  
AGE\_MO  
AGE\_WK  
AGE\_DY  
AGE\_HR  
AGE\_MN

The data item can vary according to the four states of processing:

i. Collection - Variables can be collected in any representation of time consistent with the storage format in ii below.

- The valid ranges for age are:

1 - (*Set by program*) Years

- 1 - (Set by program) Months
- 1 - (Set by program) Weeks
- 1 - (Set by program) Days
- 1 - (Set by program) Hours
- 1 - (Set by program) Minutes

The program-defined upper ranges for age must be documented.

- When age is *always recorded* in years, it can be defined by the variable AGE without the companion variable AGETYPE.
- Ages are defined by using one of two methods:

- Using the variable AGE and the companion variable AGETYPE, the unit is specified in AGETYPE as:

- 1 = Years
    - 2 = Months
    - 3 = Weeks
    - 4 = Days
    - 5 = Hours
    - 6 = Minutes

- Note:** Use of AGETYPE = 1 is used only when ages are combined with other units.

- Using the unit-specific variable names for age, i.e.,

- AGE\_MO
      - AGE\_WK
      - AGE\_DY
      - AGE\_HR
      - AGE\_MN

- Line-listed data with uncategorized age is preferred. The reporting of age categorizations is not recommended to facilitate integrated analysis of data. Summary data should follow Census age categorizations.

- Fractional ages, e.g. 1.5 years, are not recommended to be consistent with self-reported age. All age units should be incremented after reaching the next full unit, e.g. .5 minutes or 30 seconds = 0 minutes, 1.5 years = 1 year.
- Mixed unit ages, e.g. 1 year and 3 months, are not recommended. The next smaller age unit should be used if necessary, e.g. 1.5 years would become 18 months.
- If rounding is done when calculating age, e.g. years from age in months, it should be documented.

**Note:** Collection of date of birth is recommended with age.

- ii. Storage - AGE is stored as a character variable with a length of three. The character variable, AGETYPE, has a length of one when used. Therefore, three or four characters are needed to collect age information, depending on whether AGETYPE is used.
- iii. Electronic Data Interchange (EDI) Transmission - If the age variables are transmitted as text strings in an EDI message, e.g. such as HL7 defines, illegitimate values such as '999' will be set to missing when the message is constructed.
- iv. Dissemination - The data will be supplied in the standard format in public use datasets to facilitate integration with other datasets. Illegitimate values such will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

**2. Scope** - *a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems.

3. **Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 1998 for new systems becoming operational after that date.

Dec. 31, 1998 for versions of existing systems undergoing major modifications that will be redeployed after that date.

4. **Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code age in a standard format to improve interoperability and reduce redundant data entry among systems and datasets.

5. **Other Applicable Standards** - *standards in existence elsewhere (if any) that apply to the proposed standard.*

a. NCVHS (National Committee on Vital and Health Statistics)  
None.

b. HL7 (Health Level Seven)  
None.

c. ISO (International Organization for Standardization)  
None.

d. X12 (American National Standards Institute Accredited Standards Committee X12)  
None.

e. NETSS (National Electronic Telecommunications System for Surveillance)

AGE 0 - 120 Years



0 - 11 Months  
0 - 52 Weeks  
0 - 28 Days

Or

0 = <1 Year  
2 = 1 - 4 Years  
7 = 5 - 9 Years  
12 = 10 - 14 Years  
17 = 15 - 19 Years  
22 = 20 - 24 Years  
27 = 25 - 29 Years  
32 = 30 - 34 Years  
37 = 35 - 39 Years  
42 = 40 - 44 Years  
47 = 45 - 49 Years  
52 = 50 - 54 Years  
57 = 55 - 59 Years  
62 = 60 - 64 Years  
67 = 65 - 69 Years  
72 = 70 - 74 Years  
77 = 75 - 79 Years  
82 = 80 - 84 Years  
87 = 85 - 89 Years  
95 = >= 90 Years

AGE-TYPE 0 = Years  
1 = Months  
2 = Weeks  
3 = Days  
4 = Age Group  
9 = Age Unknown (AGE value must be '999')

f. NCHS (National Center for Health Statistics)

The first digit identifies age in years, months, days, etc. The 2nd and 3rd digits are the number of years, months, days, etc. A digit is saved by having an indicator to separate <100 from 100 or more, as follows:

|   |          |                     |
|---|----------|---------------------|
| 0 | 01-99    | Years less than 100 |
| 1 | 00-99    | Years 100 or more   |
| 2 | 01-11,99 | Months              |
| 3 | 01-03,99 | Weeks               |
| 4 | 01-27,99 | Days                |
| 5 | 01-23,99 | Hours               |
| 6 | 01-59,99 | Minutes             |
| 9 | 99       | Age not stated      |

g. Bureau of the Census - *Current Population Survey*

99 = 99 years or older  
00-98 = 0 to 98 years old

**6. Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).

# Sex

|   |
|---|
| Status: External<br>Version: 12<br>Date: 5/7/1999 |
|---|

**Definition of Variable:** Sex of respondent.

**Comment:** This standard is based on existing alphabetic and numeric code representations from HL7, ISO, and NCHS. The standard is compatible with their code sets generally except for the representation of missing values. X12 and NAACCR provide more detail on 'other' sexes. The character representation is the same as HL7's suggested representation.

1. **Proposal Description** - *a specific description of what standard is being proposed.*

Recommended name: SEX

The data item can vary according to the four states of processing:

- i. Collection - Sex fields are coded according to the following codesets. The alphabetic codes are *preferred*.

M = Male

F = Female

O = Other (e.g. Hermaphrodite, Transsexual)

1 = Male

2 = Female

3 = Other (e.g. Hermaphrodite, Transsexual)

**Note:** The alphabetic codes are recommended being most compatible with the code sets in use by existing electronic data interchange (EDI) systems.

*If a category is not relevant, it does not need to be collected. Data element categories may be expanded into more detail if they collapse into the standard.*

- ii. Storage - SEX is stored as character with a length of one.
- iii. Electronic Data Interchange (EDI) Transmission - The value will be transmitted as a string in an EDI message, e.g. such as HL7 defines, illegitimate values will be set to missing when the message is constructed.
- iv. Dissemination - The data will be supplied in the standard format in public use datasets to facilitate integration with other datasets. Illegitimate values will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

**2. Scope** - *a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems.

**3. Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 1999 for new systems becoming operational after that date.

Dec. 31, 1999 for versions of existing systems undergoing major modifications that will be redeployed after that date.

4. **Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code sex in a standard format to improve interoperability and reduce redundant data entry among systems and datasets.

5. **Other Applicable Standards** - *standards in existence elsewhere (if any) that apply to the proposed standard.*

a. NCVHS (National Committee on Vital and Health Statistics)

Male  
Female  
Unknown/not stated

b. HL7 (Health Level Seven)

HL7 suggests the following user-defined table:

F = Female  
M = Male  
O = Other  
U = Unknown

c. ISO (International Organization for Standardization)

ISO 5218: Representation of human sexes. Sex is represented by a one-character language independent numerical code.

0 = Not known  
1 = Male  
2 = Female  
9 = Not specified

“This International Standard does not supplant national standards for coding sexes that are designed based upon codes derived from the names of the sexes in the various languages (for example "M" for "Male" and "F" for "Female" in the English language). It provides a numeric code that is independent of language-derived codes and as such is intended to provide a common basis for the international exchange of information containing sex data

elements.”

“No significance is to be placed on the fact that “Male” is coded “1” and “Female” is coded “2”. This standard was developed based upon predominant practice of the countries involved and does not convey any meaning of importance, ranking or any other basis that could imply discrimination”.

d. X12 (American National Standards Institute Accredited Standards Committee X12)

F = Female

M = Male

N = Non-sexed

*Gender is not known because observation or examination for such was not recorded or requested by the protocol.*

U = Unknown

X = Unsexable

*Gender could not be determined because of ambiguity in external or internal genitalia.*

e. NETSS (National Electronic Telecommunications System for Surveillance)

1 = Male

2 = Female

9 = Unknown

f. NAACCR (North American Association of Central Cancer Registries)

1 = Male

2 = Female

3 = Other (hermaphrodite)

4 = Transsexual

9 = Not stated

g. NCHS (National Center for Health Statistics)

1 = Male

2 = Female

9 = Unknown

h. Bureau of the Census - *Current Population Survey*

1 = Male

2 = Female

**6. Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).

# Region

|  |
|--|
| Status: Approved<br>Version: 2<br>Date: 8/5/1997 |
|--|

**Definition of Variable:** Regional area of the United States.

**Comment:** This standard is consistent with standards from the Bureau of the Census.

**1. Proposal Description** - *a specific description of what standard is being proposed.*

Recommended name: REGION

The data item can vary according to the four states of processing:

i. Collection - Region fields are coded:

N = Northeast

*(Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont)*

M = Midwest

*(Indiana, Illinois, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin)*

S = South

*(Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia)*

W = West

*(Alaska, Arizona, California, Colorado, Idaho, Hawaii, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming)*

O = U.S. dependencies, possessions, and independent nations in free association with the United States

*(Guam, Puerto Rico, the U.S. Virgin Islands, and U.S. Pacific Islands)*



*If a category is not relevant, it does not need to be collected. Data element categories may be expanded into more detail if they collapse into the standard.*

- ii. Storage - REGION is stored as a character variable with a length of one.
- iii. Electronic Data Interchange (EDI) Transmission - The values will be transmitted as a string in an EDI message, e.g. such as HL7 defines, illegitimate values will be set to missing when the message is constructed.
- iv. Dissemination - The data will be in the standard format in local datasets to facilitate integration with other datasets if desired. Illegitimate values will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

**2. Scope** - *a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems collecting or calculating region.

**3. Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 1999 for new systems becoming operational after that date.

Dec. 31, 1999 for versions of existing systems undergoing major modifications that will be redeployed after that date.

**4. Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code region in a standard format to improve interoperability among systems and datasets.

**5. Other Applicable Standards** - *standards in existence elsewhere (if any) that apply to the proposed standard.*

1. U.S. Bureau of the Census. County and City Data Book:1994.

Same as standard excluding DC and dependencies:

Northeast

Middle Atlantic - NY PA NJ

New England - ME VT NH MA RI CT

Midwest

West North Central - ND SD NE KS MN IA MO

East North Central - WI IL MI IN OH

South

West South Central - TX OK AR LA

East South Central - MS AL TN KY

South Atlantic - FL GA SC NC VA WV DE MD

West

Pacific - AK WA OR CA HI

Mountain - MT ID WY NV UT CO AZ NM

**6. Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).

## Name

|  |
|--|
| Status: Approved<br>Version: 10<br>Date: 2/11/1999 |
|--|

**Definition of Variable:** The components of name of respondent.

**Comment:** This name standard consists of three format options which can be selected based on system requirements. Each format should be selected in its entirety. Standards from X12, HL7 and legacy systems, as well as future public health research needs, were considered in development of the standard.

The granular, or most detailed, format is *preferred*. It can map to most recognized standards without difficulty. However, in systems where EDI is required there are problems associated with using standards more or less detailed than EDI messages can accommodate.

When the chosen standard is more granular than EDI messages, a loss of information may result when mapping to the EDI message data elements. If the standard is less granular, there may be difficulty parsing the data elements into the EDI message data elements. The differences in the CDC-proposed standards and existing ANSI standards are summarized as follows:

|     | Unstructured  | Hybrid                               | Granular*                    |
|-----|---------------|--------------------------------------|------------------------------|
| X12 | Compatible    | Compatible                           | Compatible but more detailed |
| HL7 | Not specified | Compatible except for preferred name | Compatible but more detailed |

\*CDC Preferred format

Modifications to existing EDI messages will need to be made to accommodate the three formats. Also, institutions will need to document systematically how multiple data element formats are used. Given the variation in business requirements of health systems, it's uncertain if the number of options can be reduced through

convergence of the formats.

**1. Proposal Description** - *a specific description of what standard is being proposed.*

When collected the components of name are defined as follows:

*Recommended*

*variable names Definition/coding*

|         |  |
|---------|--|
| NAME    | Unstructured name  |
| PREFIX  | Prefix, e.g. Dr., Mr., Ms., Mrs  |
| GNAME   | Given name   |
| PNAME   | Preferred name or nickname   |
| MNAME   | Unstructured middle name   |
| MNAME1  | Middle name or initial   |
| MNAME2  | Second middle name or initial  |
| MAIDEN  | Maiden name  |
| SURNAME | Unstructured surname   |
| VORSF   | Vorsfogel, e.g van, von, de, las   |
| SNAME1  | First surname, family name, first part of hyphenated name for multi-part names, including hyphen if a hyphen is reported |
| SNAME2  | Second surname, family name, second part of hyphenated name for multi-part names   |
| SUFFIX  | Suffix, e.g. Jr., III  |
| DEGREE  | Degree, e.g. BA, BS, MPH, PhD, MD, DrPH  |

The data item can vary according to the four states of processing:

- i. Collection - The optional name fields shall structured as defined in 1. above.
- ii. Storage - Name can be collected in three supported formats, unstructured, hybrid, and granular. The choice of a particular standard is determined by it's intended uses with the less granular definitions perhaps unsuitable for EDI or matching applications.

The shaded columns of the following table correspond to the supported

formats. All components of name must come from the same column, i.e. format, to simplify processing.

| <i>Unstructured Format</i> | Length | <i>Hybrid Format</i> | Length | <i>Granular Format</i> | Length | Data Element Name |
|----------------------------|--------|----------------------|--------|------------------------|--------|-------------------|
| Name                       | 60     |                      |        |                        |        | NAME              |
|                            |        | Prefix               | 10     | Prefix                 | 10     | PREFIX            |
|                            |        | Given Name           | 25     | Given Name             | 25     | GNAME             |
|                            |        | Preferred Name       | 25     | Preferred Name         | 25     | PNAME             |
|                            |        | Middle Name          | 25     |                        |        | MNAME             |
|                            |        |                      |        | First Middle Name      | 25     | MNAME1            |
|                            |        |                      |        | Second Middle Name     | 25     | MNAME2            |
|                            |        | Maiden Name          | 35     | Maiden Name            | 35     | MAIDEN            |
|                            |        | Surname              | 35     |                        |        | SURNAME           |
|                            |        |                      |        | Vorsfogel              | 6      | VORSF             |
|                            |        |                      |        | First Surname          | 35     | SNAME1            |
|                            |        |                      |        | Second Surname         | 35     | SNAME2            |
|                            |        |                      |        | Suffix                 | 10     | SUFFIX            |
|                            |        |                      |        | Degree                 | 10     | DEGREE            |

The recommended formats in XML (Extensible Markup Language) are:

1) *Unstructured Format*

```
<NAME>Mr. John Patrick Smith MPH</NAME>
```

2) *Hybrid Format*

```
<NAME>  
  <PREFIX>Mr.</PREFIX>  
  <GNAME>John</GNAME>  
  <PNAME>Pat</PNAME>  
  <MNAME>Patrick</MNAME>  
  <MAIDEN>U</MAIDEN>  
  <SURNAME>Smith</SURNAME>  
</NAME>
```

3) *Granular Format*

```
<NAME>  
  <PREFIX>Mr.</PREFIX>  
  <GNAME>John</GNAME>  
  <PNAME>Patrick</PNAME>  
  <MNAME>  
    <MNAME1>Patrick</MNAME1>  
    <MNAME2/>  
  </MNAME>  
  <MAIDEN>U</MAIDEN>  
  <SURNAME>  
    <VORSF/>  
    <SNAME1>Smith</SNAME1>  
    <SNAME2/>  
    <SUFFIX/>  
    <DEGREE>MPH</DEGREE>  
  </SURNAME>  
</NAME>
```

- iii. Electronic Data Interchange (EDI) Transmission - The values will be transmitted as a string in an EDI message, e.g. such as HL7 defines, illegitimate values will be set to missing when the message is constructed.
- iv. Dissemination - The data will be in the standard format in local datasets to facilitate integration with other datasets if desired. Illegitimate values will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

**2. Scope** - *a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems collecting name locally in the states.

**3. Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 1999 for new systems becoming operational after that date.

Dec. 31, 1999 for versions of existing systems undergoing major modifications that will be redeployed after that date.

**4. Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code name in a standard format to improve interoperability and reduce redundant data entry among systems and datasets.

**5. Other Applicable Standards** - *standards in existence elsewhere (if any) that apply to the proposed standard.*



a. NCVHS (National Committee on Vital and Health Statistics)  
 Name - Last name, first name, middle initial, suffix (e.g., Jr., III, etc.)

b. HL7 (Health Level Seven)  
 Extended Person Name(XPN) 2.8.48 (replaces the PN data type).

<family name (ST)>^  
 <given name (ST)>^  
 <middle initial or name (ST)>^  
 <suffix (e.g., JR or III) (ST)>^  
 <prefix (e.g., DR) (ST)>^  
 <degree (e.g., MD) (ST)>^  
 <name type code (ID)>

c. ISO (International Organization for Standardization)  
 None

e. X12 (American National Standards Institute Accredited Standards Committee X12)

| Element | Name                           | Type | Length |
|---------|--------------------------------|------|--------|
| 1035    | Name Last or Organization Name | AN   | 1/35   |
| 1036    | Name First                     | AN   | 1/25   |
| 1037    | Name Middle                    | AN   | 1/25   |
| 1038    | Name Prefix                    | AN   | 1/10   |
| 1039    | Name Suffix                    | AN   | 1/10   |

Or

|      |                          |    |     |
|------|--------------------------|----|-----|
| 1104 | Name Component Qualifier | ID | 2/2 |
|      | 01 Prefix                |    |     |
|      | 02 First Name            |    |     |
|      | 03 First Middle Name     |    |     |
|      | 04 Second Middle Name    |    |     |
|      | 05 Last Name             |    |     |
|      | 06 First Initial         |    |     |
|      | 07 First Middle Initial  |    |     |
|      | 08 Second Middle Initial |    |     |
|      | 09 Suffix                |    |     |
|      | 10 Generation            |    |     |

- 11 Doing Business As (DBA) or Trading As (T/A)
- 12 Combined (Unstructured) Name
- 13 Combined Name and Account Number
- 14 Name of an agency
- 15 Maiden or former name
- 16 Composite name (used if the name cannot be broken into separate parts, formatted with last name sent first)
- 17 Middle Names
- 18 Preferred First Name or Nickname
- 19 Corporation
- 20 Corporation Suffix
- 21 Professional Title
- 22 Organization Name

93

Name

AN

1/60

**6. Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).

## Address

|  |
|--|
| Status: Approved<br>Version: 12<br>Date: 2/11/1999 |
|--|

**Definition of Variable:** The components of address of respondent.

**Comment:** This address standard consists of three format options which can be selected based on system requirements. Each format should be selected in its entirety. Standards from X12, HL7 and legacy systems, as well as future public health research needs, were considered in development of the standard.

The granular, or most detailed, format is *preferred*. It can map to most recognized standards without difficulty. However, in systems where EDI is required there are problems associated with using standards more or less detailed than EDI messages can accommodate.

When the chosen standard is more granular than EDI messages, a loss of information may result when mapping to the EDI message data elements. If the standard is less granular, there may be difficulty parsing the data elements into the EDI message data elements. The differences in the CDC-proposed standards and existing ANSI standards are summarized as follows:

|     | Unstructured Format | Hybrid Format | Granular Format*  |
|-----|---------------------|---------------|---|
| X12 | Not specified       | Compatible    | Compatible except for rural route box number, APO, and ZIP2 |
| HL7 | Not specified       | Compatible    | Compatible but more detailed                                |

\*CDC Preferred format

Modifications to existing EDI messages will need to be made to accommodate the three formats. Also, institutions will need to document systematically how multiple data element formats are used. Given the variation in business requirements of health

systems, it's uncertain if the number of options can be reduced through convergence of the formats.

**1. Proposal Description** - *a specific description of what standard is being proposed.*

When collected the components of address are defined as follows:

*Recommended*

*variable names Definition/coding*

|         |   |
|---------|---|
| ADDR    | Unstructured address  |
| ADDBLK  | Address block for unstructured street address   |
| UIND    | Secondary address unit indicator abbreviation (APT, BLDG, etc., See USPS Pub. 28 for Spanish equivalents) |
| UNUM    | Unit or apartment number (2551-B, Front, etc.)  |
| PREDIR  | Pre-directional (N, S, E, W, etc., Spanish translation not used.)   |
| STNUM   | Street number   |
| STNAME  | Street name   |
| STDESIG | Street designator abbreviation (FWY, BLVD, AVE, CALLE, etc.)  |
| POSTDIR | Post-directional (N, S, E, W, etc., Spanish translation not used.)  |
| SECOND  | Secondary address (Fireside Nursing Home, etc., Puerto Rican Urbanization)                                |
| POBOX   | Post Office Box, Apartado, Buzon  |
| RRHCNUM | Rural Route or Highway Contract Number, Ruta Rural, Ruta Estrella   |
| RRHCBOX | Rural Route or Highway Contract Box Number, Buzon Rural   |
| APO     | Military APO address  |
| CITY    | FIPS 55 City name   |
| COUNTY  | FIPS 6-4 2-character state code and 3-digit county code or 30 character name field                        |
| STATE   | FIPS PUB 5-2/USPS PUB 25 two character State code,  |

|         |  |
|---------|--|
| COUNTRY | Province<br>ISO 3166 Country 2-character, 3-digit, or 45-character short name code |
| POSTCD  | Unstructured FIPS-55 Zip code or foreign postal code                               |
| ZIP5    | FIPS-55 5 Zip code or foreign postal code  |
| ZIP4    | FIPS-55 4 Zip code or foreign postal code  |
| ZIP2    | FIPS-55 2 Zip code or foreign postal code  |
| INTCD   | International postal code  |

The data item can vary according to the four states of processing:

- i. Collection - The optional name fields shall structured as defined in 1. above. To facilitate geocoding, primary addresses should be actual locations and not Post Office boxes.
- ii. Storage - Address can be collected in three supported formats, unstructured, hybrid, and granular. The choice of a particular standard is determined by it's intended uses. The less granular definitions may not be compatible for EDI or geocoding applications.

The shaded columns of the following table correspond to the supported formats. All components of address must come from the same column, i.e. format.

| <i>Unstructured Format</i> | Length | <i>Hybrid Format</i> | Length | <i>Granular Format</i> | Length | Data Element Name |
|----------------------------|--------|----------------------|--------|------------------------|--------|-------------------|
| Address                    | 55     |                      |        |                        |        | ADDR              |
|                            |        | Address Block        | 131    |                        |        | ADDBLK            |
|                            |        |                      |        | Unit Indicator         | 4      | UIND              |
|                            |        |                      |        | Unit Number            | 7      | UNUM              |
|                            |        |                      |        | Pre-directional        | 2      | PREDIR            |

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**CDC Common Data Element Implementation Guide - *Draft***

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|  |  |             |        |                   |        |         |
|--|--|-------------|--------|-------------------|--------|---------|
|  |  |             |        | Street Number     | 10     | STNUM   |
|  |  |             |        | Street Name       | 28     | STNAME  |
|  |  |             |        | Street Designator | 4      | STDESIG |
|  |  |             |        | Post-directional  | 2      | POSTDIR |
|  |  |             |        | Secondary Address | 28     | SECOND  |
|  |  |             |        | PO Box            | 6      | POBOX   |
|  |  |             |        | RR Number         | 6      | RRHNUM  |
|  |  |             |        | RR Box            | 6      | RRHCBOX |
|  |  |             |        | Military APO      | 10     | APO     |
|  |  | City/Town   | 30     | City/Town         | 30     | CITY    |
|  |  | County      | 5,30   | County            | 5,30   | COUNTY  |
|  |  | State       | 2      | State             | 2      | STATE   |
|  |  | Country     | 2,3,45 | Country           | 2,3,45 | COUNTRY |
|  |  | Postal Code | 15     |                   | 26     | POSTCD  |
|  |  |             |        | ZIP 5             | 5      | ZIP5    |
|  |  |             |        | ZIP 4             | 4      | ZIP4    |
|  |  |             |        | ZIP 2             | 2      | ZIP2    |
|  |  |             |        | International     | 15     | INTCD   |

The recommended formats in XML (Extensible Markup Language) are:

1) *Unstructured Format*

```
<ADDR>1600 Clifton RD NE Atlanta, GA 30333</ADDR>
```

2) *Hybrid Format*

```
<ADDR>  
  <ADDBLK>1600 Clifton RD NE</ADDBLK>  
  <CITY>Atlanta</CITY>  
  <COUNTY>Fulton</COUNTY>  
  <STATE>GA</STATE>  
  <COUNTRY>US</COUNTRY>  
  <POSTCD>30333</POSTCD>  
</ADDR>
```

3) *Granular Format*

```
<ADDR>  
  <ADDBLK>  
    <UIND/>  
    <UNUM/>  
    <PREDIR/>  
    <STNUM>1600</STNUM>  
    <STNAME>Clifton</STNAME>  
    <STDESIG>RD</STDESIG>  
    <POSTDIR>NE</POSTDIR>  
    <SECOND/>  
    <POBOX/>  
    <RRHNUM/>  
    <RRHBOX/>  
    <APO/>  
  </ADDBLK>  
  <CITY>Atlanta</CITY>  
  <COUNTY>Fulton</COUNTY>  
  <STATE>GA</STATE>  
  <COUNTRY>US</COUNTRY>  
  <POSTCD>  
    <ZIP5>30333</ZIP5>  
    <ZIP4/>  
    <ZIP2/>  
    <INTCD/>  
  </POSTCD>  
</ADDR>
```

- iii. Electronic Data Interchange (EDI) Transmission - The values will be transmitted as a string in an EDI message, e.g. such as HL7 defines, illegitimate values will be set to missing when the message is constructed.

**Note:** This definition is more detailed than what current HL7 or X12 transmission formats support in pre-defined fields.

- iv. Dissemination - The data will be in the standard format in local datasets to facilitate integration with other datasets if desired. Illegitimate values will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

**2. Scope** - *a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems collecting address locally in the states.

**3. Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 1999 for new systems becoming operational after that date.

Dec. 31, 1999 for versions of existing systems undergoing major modifications that will be redeployed after that date.

**4. Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code address in a standard format to improve interoperability and reduce redundant data entry among systems and datasets.



**5. Other Applicable Standards** - *standards in existence elsewhere (if any) that apply to the proposed standard.*

- a. NCVHS (National Committee on Vital and Health Statistics)  
Full address and ZIP code (nine digit ZIP code, if available) of the individual's usual residence.
  
- b. HL7 (Health Level Seven)
  - Street address
  - Other designation
  - City
  - State or Province
  - Zip or postal code
  - Country (ISO 3166)
  - Address type (HL7 table 0190)
  - Other geographic designation
  - County/parish code (HL7 user-defined table 0289)
  - Census tract (HL7 user-defined table 0288)
  
- c. USPS PUB 28 - Postal Addressing Standards
  
- d. FIPS PUB 5-2/USPS PUB 25

**Note:** For illustrative purposes only, refer to standard for current data.

**States and Possessions**

|                                |    |
|--------------------------------|----|
| Alabama                        | AL |
| Alaska                         | AK |
| American Samoa                 | AS |
| Arizona                        | AZ |
| Arkansas                       | AR |
| California                     | CA |
| Colorado                       | CO |
| Connecticut                    | CT |
| Delaware                       | DE |
| District of Columbia           | DC |
| Federated States of Micronesia | FM |
| Florida                        | FL |
| Georgia                        | GA |
| Guam                           | GU |
| Hawaii                         | HI |

|                          |    |
|--------------------------|----|
| Idaho                    | ID |
| Illinois                 | IL |
| Indiana                  | IN |
| Iowa                     | IA |
| Kansas                   | KS |
| Kentucky                 | KY |
| Louisiana                | LA |
| Maine                    | ME |
| Marshall Islands         | MH |
| Maryland                 | MD |
| Massachusetts            | MA |
| Michigan                 | MI |
| Minnesota                | MN |
| Mississippi              | MS |
| Missouri                 | MO |
| Montana                  | MT |
| Nebraska                 | NE |
| Nevada                   | NV |
| New Hampshire            | NH |
| New Jersey               | NJ |
| New Mexico               | NM |
| New York                 | NY |
| North Carolina           | NC |
| North Dakota             | ND |
| Northern Mariana Islands | MP |
| Ohio                     | OH |
| Oklahoma                 | OK |
| Oregon                   | OR |
| Palau                    | PW |
| Pennsylvania             | PA |
| Puerto Rico              | PR |
| Rhode Island             | RI |
| South Carolina           | SC |
| South Dakota             | SD |
| Tennessee                | TN |
| Texas                    | TX |
| Utah                     | UT |
| Vermont                  | VT |
| Virginia                 | VA |
| Virgin Islands           | VI |
| Washington               | WA |

|               |    |
|---------------|----|
| West Virginia | WV |
| Wisconsin     | WI |
| Wyoming       | WY |

**Directionals**

|           |    |
|-----------|----|
| North     | N  |
| East      | E  |
| South     | S  |
| West      | W  |
| Northeast | NE |
| Southeast | SE |
| Northwest | NW |
| Southwest | SW |

**Secondary Address Unit Indicators**

|            |      |
|------------|------|
| Apartment  | APT  |
| Building   | BLDG |
| Floor      | FL   |
| Suite      | STE  |
| Room       | RM   |
| Department | DEPT |

**Street Designators (Suffixes)**

|           |      |
|-----------|------|
| Alley     | ALY  |
| Annex     | ANX  |
| Arcade    | ARC  |
| Avenue    | AVE  |
| Bayou     | BYU  |
| Beach     | BCH  |
| Bend      | BND  |
| Bluff     | BLF  |
| Bottom    | BTM  |
| Boulevard | BLVD |
| Branch    | BR   |
| Bridge    | BRG  |
| Brook     | BRK  |
| Burg      | BG   |
| Bypass    | BYP  |
| Camp      | CP   |
| Canyon    | CYN  |
| Cape      | CPE  |

|            |      |
|------------|------|
| Causeway   | CSWY |
| Center     | CTR  |
| Circle     | CIR  |
| Cliffs     | CLFS |
| Club       | CLB  |
| Corner     | COR  |
| Corners    | CORS |
| Course     | CRSE |
| Court      | CT   |
| Courts     | CTS  |
| Cove       | CV   |
| Creek      | CRK  |
| Crescent   | CRES |
| Crossing   | XING |
| Dale       | DL   |
| Dam        | DM   |
| Divide     | DV   |
| Drive      | DR   |
| Estates    | EST  |
| Expressway | EXPY |
| Extension  | EXT  |
| Fall       | FALL |
| Falls      | FLS  |
| Ferry      | FRY  |
| Field      | FLD  |
| Fields     | FLDS |
| Flats      | FLT  |
| Ford       | FRD  |
| Forest     | FRST |
| Forge      | FRG  |
| Fork       | FRK  |
| Forks      | FRKS |
| Fort       | FT   |
| Freeway    | FWY  |
| Gardens    | GDNS |
| Gateway    | GTWY |
| Glen       | GLN  |
| Green      | GRN  |
| Grove      | GRV  |
| Harbor     | HBR  |
| Haven      | HVN  |

|          |      |
|----------|------|
| Heights  | HTS  |
| Highway  | HWY  |
| Hill     | HL   |
| Hills    | HLS  |
| Hollow   | HOLW |
| Inlet    | INLT |
| Island   | IS   |
| Islands  | ISS  |
| Isle     | ISLE |
| Junction | JCT  |
| Key      | KY   |
| Knolls   | KNLS |
| Lake     | LK   |
| Lakes    | LKS  |
| Landing  | LNDG |
| Lane     | LN   |
| Light    | LGT  |
| Loaf     | LF   |
| Locks    | LCKS |
| Lodge    | LDG  |
| Loop     | LOOP |
| Mall     | MALL |
| Manor    | MNR  |
| Meadows  | MDWS |
| Mill     | ML   |
| Mills    | MLS  |
| Mission  | MSN  |
| Mount    | MT   |
| Mountain | MTN  |
| Neck     | NCK  |
| Orchard  | ORCH |
| Oval     | OVAL |
| Park     | PARK |
| Parkway  | PKY  |
| Pass     | PASS |
| Path     | PATH |
| Pike     | PIKE |
| Pines    | PNES |
| Place    | PL   |
| Plain    | PLN  |
| Plains   | PLNS |

|           |      |
|-----------|------|
| Plaza     | PLZ  |
| Point     | PT   |
| Port      | PRT  |
| Prairie   | PR   |
| Radial    | RADL |
| Ranch     | RNCH |
| Rapids    | RPDS |
| Rest      | RST  |
| Ridge     | RDG  |
| River     | RIV  |
| Road      | RD   |
| Row       | ROW  |
| Run       | RUN  |
| Shoal     | SHL  |
| Shoals    | SHLS |
| Shore     | SHR  |
| Shores    | SHRS |
| Spring    | SPG  |
| Springs   | SPGS |
| Spur      | SPUR |
| Square    | SQ   |
| Station   | STA  |
| Stravenue | STRA |
| Stream    | STRM |
| Street    | ST   |
| Summit    | SMT  |
| Terrace   | TER  |
| Trace     | TRCE |
| Track     | TRAK |
| Trail     | TRL  |
| Trailer   | TRLR |
| Tunnel    | TUNL |
| Turnpike  | TPKE |
| Union     | UN   |
| Valley    | VLV  |
| Viaduct   | VIA  |
| View      | VW   |
| Village   | VLG  |
| Ville     | VL   |
| Vista     | VIS  |
| Walk      | WALK |

Way                      WAY  
Wells                    WLS

e. X12 (American National Standards Institute Accredited Standards Committee X12)

| Element | Name                   | Type | Length |
|---------|------------------------|------|--------|
| 166     | Address Information    | AN   | 1/55   |
| 19      | City Name              | AN   | 2/30   |
| 156     | State or Province Code | ID   | 2/2    |
| 116     | Postal Code            | ID   | 3/15   |

**Note:**

166 Address Information AN 1/55 is a free text alpha-numeric field from 1-55 characters in length for entering address information.

19 City Name AN 2/30 is a free text alpha-numeric field from 2-30 characters in length for entering city name.

156 State or Province Code ID 2/2 refers to X12 code source 22, "States and Outlying Areas of the U.S.," which is the U.S. Postal Service listing of two letter postal codes for the U.S. states and territories. Code source 22 also contains the Canadian Post Office designations for the Canadian Provinces.

116 Postal Code ID 3/15 refers to X12 code source 51, "Zip Code," which is the National ZIP Code and Post Office Directory, Publication 65, available from the U.S. Postal Service.

Or

NX2 Location ID Component Data Segment

| Element | Name                        | Type | Length |
|---------|-----------------------------|------|--------|
| 1106    | Address Component Qualifier | ID   | 2/2    |
| 166     | Address Information         | AN   | 1/55   |
| 1096    | County Designator           | ID   | 5/5    |

01 Street Number  
02 Street Name  
03 Prefix Direction

04 Suffix Direction  
05 P.O. Box Number  
06 Rural Route Number  
07 City Name  
08 State Name  
09 State Postal Code  
10 Zip Code (5 digit)  
11 Zip Code Addendum (4 digit)  
12 Building Name  
13 Apartment Number  
14 Suite Number  
15 Unstructured Street Address  
16 Unstructured City and State and Zip Code  
17 Unstructured City and State  
18 Unstructured Mailing Address  
19 Zip Code (9 Digit)  
20 County  
21 Subdivision  
22 Map Coordinates and Directions  
30 Pier  
31 Wing  
32 Floor  
33 Driveway  
34 Lot  
35 Room  
36 Slip  
37 Unit  
38 Property Address  
39 Unstructured Property  
40 Street Suffix  
41 Country  
51 Drawer Number  
52 Foreign Region or Province  
53 Postal District  
54 Street Number Alpha  
56 Province  
57 Cross Street  
58 International Postal Code  
59 Street Number Low  
60 Street Number High  
61 Street Number Fraction



62 Street Name Suffix  
63 Secondary Unit Identifier  
64 Secondary Unit Number  
65 ZIP Code Delivery Point Addendum  
66 ZIP Code Delivery Point BarCode (DPBC) Checkdigit  
67 Postal Service Carrier Route  
68 Postal Service Carrier Route Line of Travel (LOT)  
69 Postal Service Address Change Service (ACS) Keyline  
71 Congressional District Code  
74 Zip Code (11 digit)  
79 International Organization for Standardization (ISO) Country Code  
80 Street Name Prefix

f. NCHS (National Center for Health Statistics)

Street Number (for 123 Main St. the street number is 123) (10 positions)

Street Directional Pre and Post directional ( E, N, NE, NW, S, SE, SW, W)

Pre-directional (2 positions)

Post -directional (2 positions)

Street Name (For 123 Main St. the street name is Main. Also included here are streets that have numbers for names, e.g., 15th Street. (Alpha or numeric) (20 positions)

Street Type (St, Rd, Av, RR, etc.) (4 positions)

Apartment Number Include alpha or numeric ( 7 positions)

Rural Route number or Highway Contract number (6 positions)

Box Number (The box number on a RR or HC route, such as RR 13, BOX 5) (6 positions)

PO Box Number (As in P.O. Box 15) (6 positions)

State (2 positions)

City/Town (30 positions).

Zip Codes (10 positions)

- g. Bureau of the Census
  - i. *Current Population Survey*

Same as FIPS PUB 5-2/USPS PUB 25.

- ii. *TIGER/Line Files, 1997 Technical Documentation*

**Chapter 6: Data Dictionary**

**Record Type 1—Complete Chain Basic Data Record**

**Field BV Fmt Type Beg End Len Description**

RT No L A 1 1 1 Record Type  
VERSION No R N 2 5 4 Version Number  
TLID No R N 6 15 10 TIGER/Line ® ID, Permanent Record Number  
SIDE1 Yes R N 16 16 1 Single-Side Complete Chain Code  
SOURCE Yes L A 17 17 1 Source or First Source Code of Update  
FEDIRP Yes L A 18 19 2 **Feature Direction, Prefix**  
FENAME Yes L A 20 49 30 **Feature Name**  
FETYPE Yes L A 50 53 4 **Feature Type**  
FEDIRS Yes L A 54 55 2 **Feature Direction, Suffix**  
CFCC Yes L A 56 58 3 Census Feature Class Code  
FRADDL Yes L A 59 69 11 **Start Address, Left**  
TOADDL Yes L A 70 80 11 **End Address, Left**  
FRADDR Yes L A 81 91 11 **Start Address, Right**  
TOADDR Yes L A 92 102 11 **End Address, Right**  
FRIADDL Yes R N 103 103 1 Start Imputed Address Flag, Left  
TOIADDL Yes R N 104 104 1 End Imputed Address Flag, Left  
FRIADDR Yes R N 105 105 1 Start Imputed Address Flag, Right  
TOIADDR Yes R N 106 106 1 End Imputed Address Flag, Right  
ZIPL Yes L N 107 111 5 ZIP Code ® , Left  
ZIPR Yes L N 112 116 5 ZIP Code ® , Right  
FAIRL Yes L N 117 121 5 FIPS 55 Code (American Indian/  
Alaska Native Area), Current Left  
FAIRR Yes L N 122 126 5 FIPS 55 Code (American Indian/  
Alaska Native Area), Current Right  
TRUSTL Yes L A 127 127 1 American Indian Trust Land Flag, Current  
Left  
TRUSTR Yes L A 128 128 1 American Indian Trust Land Flag, Current  
Right  
CENSUS1 Yes L A 129 129 1 Census Internal Use  
CENSUS2 Yes L A 130 130 1 Census Internal Use

**BV (Blank Value):**

Yes = Blank value may occur here; No = Blank value should not occur here

**Fmt :**

L = Left-justified (numeric fields have leading zeros and may be interpreted as character data)

R = Right-justified (numeric fields do not have leading zeros and may be interpreted as integer data)

**Type:**

A = Alphanumeric, N = Numeric

**Record Type 1—Complete Chain Basic Data Record (cont.)****Field BV Fmt Type Beg End Len Description**

STATEL Yes L N 131 132 2 FIPS **State Code, Current Left**  
STATER Yes L N 133 134 2 FIPS **State Code, Current Right**  
COUNTYL Yes L N 135 137 3 FIPS **County Code, Current Left**  
COUNTYR Yes L N 138 140 3 FIPS **County Code, Current Right**  
FMCDL Yes L N 141 145 5 FIPS 55 Code (MCD/CCD) Left, Current  
FMCDR Yes L N 146 150 5 FIPS 55 Code (MCD/CCD) Right, Current  
FSMCDL Yes L N 151 155 5 FIPS 55 Code (Sub-MCD), Current Left  
FSMCDR Yes L N 156 160 5 FIPS 55 Code (Sub-MCD), Current Right  
FPLL Yes L N 161 165 5 FIPS 55 Code (Incorporated Place), Current  
Left\*  
FPLR Yes L N 166 170 5 FIPS 55 Code (Incorporated Place), Current  
Right\*  
CTBNAL Yes L N 171 176 6 **Census Tract/BNA Code, Current Left**  
CTBNAR Yes L N 177 182 6 **Census Tract/BNA Code, Current Right**  
BLKL Yes L A 183 186 4 Block Number, Current Left  
BLKR Yes L A 187 190 4 Block Number, Current Right  
FRLONG No R N 191 200 10 Start Longitude  
FRLAT No R N 201 209 9 Start Latitude  
TOLONG No R N 210 219 10 End Longitude  
TOLAT No R N 220 228 9 End Latitude

**Note:**

To find the final 1990 census state, county, and CDP codes for every Record Type 1, refer to Record Type 3 using the TIGER/Line ® ID to link between the record types.

\*Hawaii has CDP boundaries in this record which serve as substitutes for legal boundaries since it does not have any recognized incorporated place boundaries. See the Introduction for changes and anomalies related to Record Type 1.

- 6. Exceptions - elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.**

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).

## Marital Status

|  |
|--|
| Status: Internal Review<br>Version: 9<br>Date: 9/24/1998 |
|--|

**Definition of Variable:** Legal marital status of person.

**Comment:** This standard is based on the HL7 codeset. 'Never Married' text has been added to clarify the 'Single' category.

1. **Proposal Description** - *a specific description of what standard is being proposed.*

Recommended name: MARITAL

The data item can vary according to the four states of processing:

i. Collection - Marital status fields are coded:

A = Separated  
D = Divorced  
M = Married  
S = Single/Never Married  
W = Widowed

**Note:** Partner relationships will be defined in living arrangement variables.

*If a category is not relevant, it does not need to be collected. Data element categories may be expanded into more detail if they collapse into the standard.*

ii. Storage - MARITAL is stored as a character variable with a length

of one.

- iii. Electronic Data Interchange (EDI) Transmission - The value will be transmitted as a string in an EDI message, e.g. such as HL7 defines, illegitimate values will be set to missing when the message is constructed.
- iv. Dissemination - The data will be supplied in the standard format in public use datasets to facilitate integration with other datasets. Illegitimate values will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

2. **Scope** - *a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems.

3. **Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 1999 for new systems becoming operational after that date.

Dec. 31, 1999 for versions of existing systems undergoing major modifications that will be redeployed after that date.

4. **Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code marital status in a standard format to improve interoperability

and reduce redundant data entry among systems and datasets.

**5. Other Applicable Standards - standards in existence elsewhere (if any) that apply to the proposed standard.**

a. NCVHS (National Committee on Vital and Health Statistics)

*Married* - A person currently married. Classify common law marriage as married. Includes living together and not living together.

*Never married* - A person who has never been married or whose only marriages have been annulled.

*Widowed* - A person widowed and not remarried.

*Divorced* - A person divorced and not remarried.

*Separated* - A person legally separated.

*Unknown/not stated*

b. ASTM E 1633 (American Society for Testing and Materials)

Never married

Married

Divorced

Divorced/annulled

Divorced/separated

Annulled

Widowed

Separated, NOS

Separated, legal

Separated, nonlegal

Marriage, separation, temporary absence

Marriage, separation, permanent absence

Consensual union

Unknown

c. HL7 (Health Level Seven)

A = Separated

D = Divorced  
M = Married  
S = Single  
W = Widowed

d. X12 (American National Standards Institute Accredited Standards Committee X12)

A = Common Law  
B = Registered Domestic Partner  
D = Divorced  
I = Single  
K = Unknown  
M = Married  
R = Unreported  
S = Separated  
U = Unmarried (Single or Divorced or Widowed)  
W = Widowed  
X = Legally Separated

e. NCHS (National Center for Health Statistics)

Same as Census.

f. Bureau of the Census - *Current Population Survey*

1 = Married - spouse PRESENT  
2 = Married - spouse ABSENT  
3 = Widowed  
4 = Divorced  
5 = Separated  
6 = Never married

**6. Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).

# Ethnicity

|   |
|---|
| Status: External Review<br>Version: 14<br>Date: 10/8/1999 |
|---|

**Definition of Variable:** Ethnic background or association of a person.

**Comment:** This standard is based on the revised (1997) Federal OMB Directive-15 including collection of multiple ethnicities.

1. **Proposal Description** - *a specific description of what standard is being proposed.*

Recommended variable names:

HISPANIC  
OETHNIC (Other ethnicity)

The data item can vary according to the four states of processing:

i. Collection - Ethnicity fields are coded as follows:

Y = Yes  
N = No

or

1 = Yes  
0 = No

*Detailed ethnicity categories which can be used in lieu of above:*

| Unique Identifier | Hierarchical Code | Concept   |
|-------------------|-------------------|-----------|
| 2133-7            | E                 | Ethnicity |



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**CDC Common Data Element Implementation Guide - *Draft***

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| <b>Unique Identifier</b> | <b>Hierarchical Code</b> | <b>Concept</b>          |
|--------------------------|--------------------------|-------------------------|
| 2135-2                   | E1                       | Hispanic or Latino      |
| 2137-8                   | E1.01                    | Spaniard                |
| 2138-6                   | E1.01.001                | Andalusian              |
| 2139-4                   | E1.01.002                | Asturian                |
| 2140-2                   | E1.01.003                | Castillian              |
| 2141-0                   | E1.01.004                | Catalonian              |
| 2142-8                   | E1.01.005                | Balearic Islander       |
| 2143-6                   | E1.01.006                | Gallego                 |
| 2144-4                   | E1.01.007                | Valencian               |
| 2145-1                   | E1.01.008                | Canarian                |
| 2146-9                   | E1.01.009                | Spanish Basque          |
| 2148-5                   | E1.02                    | Mexican                 |
| 2149-3                   | E1.02.001                | Mexican American        |
| 2150-1                   | E1.02.002                | Mexicano                |
| 2151-9                   | E1.02.003                | Chicano                 |
| 2152-7                   | E1.02.004                | La Raza                 |
| 2153-5                   | E1.02.005                | Mexican American Indian |
| 2155-0                   | E1.03                    | Central American        |
| 2156-8                   | E1.03.001                | Costa Rican             |
| 2157-6                   | E1.03.002                | Guatemalan              |
| 2158-4                   | E1.03.003                | Honduran                |
| 2159-2                   | E1.03.004                | Nicaraguan              |
| 2160-0                   | E1.03.005                | Panamanian              |
| 2161-8                   | E1.03.006                | Salvadoran              |
| 2162-6                   | E1.03.007                | Central American Indian |
| 2163-4                   | E1.03.008                | Canal zone              |
| 2165-9                   | E1.04                    | South American          |
| 2166-7                   | E1.04.001                | Argentinean             |
| 2167-5                   | E1.04.002                | Bolivian                |
| 2168-3                   | E1.04.003                | Chilean                 |
| 2169-1                   | E1.04.004                | Colombian               |
| 2170-9                   | E1.04.005                | Ecuadorian              |
| 2171-7                   | E1.04.006                | Paraguayan              |
| 2172-5                   | E1.04.007                | Peruvian                |
| 2173-3                   | E1.04.008                | Uruguayan               |
| 2174-1                   | E1.04.009                | Venezuelan              |
| 2175-8                   | E1.04.010                | South American Indian   |
| 2176-6                   | E1.04.011                | Criollo                 |
| 2178-2                   | E1.05                    | Latin American          |

| Unique Identifier | Hierarchical Code | Concept                |
|-------------------|-------------------|------------------------|
| 2180-8            | E1.06             | Puerto Rican           |
| 2182-4            | E1.07             | Cuban                  |
| 2184-0            | E1.08             | Dominican              |
| 2186-5            | E2                | Not Hispanic or Latino |

**Note:** Ethnicity should be collected before race. A combined format for race and ethnicity is permitted for observed race but not recommended for self-reported race. When used, 'Hispanic and one or more races' and 'More than one race' categories must be reported.

*If a category is not relevant, it does not need to be collected. Data element categories may be expanded into more detail if they collapse into the standard.*

- ii. **Storage** - The ethnicity is stored as a character variable with a length of 1.
- iii. **Electronic Data Interchange (EDI) Transmission** - If the value will be transmitted as a string in an EDI message, e.g. such as HL7 defines, illegitimate values will be set to missing when the message is constructed.
- iv. **Dissemination** - The data will be supplied in the standard format in public use datasets to facilitate integration with other datasets. Illegitimate values will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

**2. Scope** - a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.

All CDC/ATSDR information systems, databases, data sets, and surveillance systems.

3. **Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 2003 for new systems becoming operational after that date.

Dec. 31, 2003 for versions of existing systems undergoing major modifications that will be redeployed after that date.

4. **Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code ethnicity in a standard format to improve interoperability and reduce redundant data entry among systems and datasets.

5. **Other Applicable Standards** - *standards in existence elsewhere (if any) that apply to the proposed standard.*

- a. OMB Standards for the Classification of Federal Data on Race and Ethnicity

Excerpt:

2. Data Formats

The standards provide two formats that may be used for data on race and ethnicity. Self-reporting or self-identification using two separate questions is the preferred method for collecting data on

race and ethnicity. In situations where self-reporting is not practicable or feasible, the combined format may be used.

In no case shall the provisions of the standards be construed to limit the collection of data to the categories described above.

The collection of greater detail is encouraged; however, any collection that uses more detail shall be organized in such a way that the additional categories can be aggregated into these minimum categories for data on race and ethnicity.

With respect to tabulation, the procedures used by Federal agencies shall result in the production of as much detailed information on race and ethnicity as possible. However, Federal agencies shall not present data on detailed categories if doing so would compromise data quality or confidentiality standards.

a. Two-question format

To provide flexibility and ensure data quality, separate questions shall be used wherever feasible for reporting race and ethnicity. When race and ethnicity are collected separately, ethnicity shall be collected first. If race and ethnicity are collected separately, the minimum designations are:

Race:

- American Indian or Alaska Native
- Asian
- Black or African American
- Native Hawaiian or Other Pacific Islander
- White

Ethnicity:

- Hispanic or Latino

-- Not Hispanic or Latino

When data on race and ethnicity are collected separately, provision shall be made to report the number of respondents in each racial category who are Hispanic or Latino.

When aggregate data are presented, data producers shall provide the number of respondents who marked (or selected) only one category, separately for each of the five racial categories. In addition to these numbers, data producers are strongly encouraged to provide the detailed distributions, including all possible combinations, of multiple responses to the race question. If data on multiple responses are collapsed, at a minimum the total number of respondents reporting "more than one race" shall be made available.

b. Combined format

The combined format may be used, if necessary, for observer-collected data on race and ethnicity. Both race (including multiple responses) and ethnicity shall be collected when appropriate and feasible, although the selection of one category in the combined format is acceptable. If a combined format is used, there are six minimum categories:

-- American Indian or Alaska Native

-- Asian

-- Black or African American

-- Hispanic or Latino

-- Native Hawaiian or Other Pacific Islander

-- White

When aggregate data are presented, data producers shall provide the number of respondents who marked (or selected) only one category, separately for each of the six categories. In addition to

these numbers, data producers are strongly encouraged to provide the detailed distributions, including all possible combinations, of multiple responses. In cases where data on multiple responses are collapsed, the total number of respondents reporting "Hispanic or Latino and one or more races" and the total number of respondents reporting "more than one race" (regardless of ethnicity) shall be provided.

[http://www1.whitehouse.gov/WH/EOP/OMB/html/fedreg/Directive\\_15.html](http://www1.whitehouse.gov/WH/EOP/OMB/html/fedreg/Directive_15.html)  
<http://www1.whitehouse.gov/WH/EOP/OMB/html/fedreg/Ombdir15.html>

- 6. Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).

## Race

|   |
|---|
| Status: External Review<br>Version: 15<br>Date: 10/8/1999 |
|---|

**Definition of Variable:** The race of a person.

**Comment:** This standard is based on the revised (1997) Federal OMB Directive-15, including collection of multiple races.

1. **Proposal Description** - *a specific description of what standard is being proposed.*

Recommended variable names for race:

For coding of American Indian, Asian, Black, Native Hawaiian or Other Pacific Islander, White, and Other Race categories:

AMIND, ASIAN, BLACK, NAHAW, WHITE, ORACE (Other race)

The data item can vary according to the four states of processing:

i. Collection - Race fields are coded as follows:

Y = Yes

N = No

or

1 = Yes

0 = No

*Detailed racial categories which can be used in lieu of above:*

**CDC/Census Classification**

| Unique Identifier | Hierarchical Code | Concept                          |
|-------------------|-------------------|----------------------------------|
| 1000-9            | R                 | Race                             |
| 1002-5            | R1                | American Indian or Alaska Native |
| 1004-1            | R1.01             | American Indian                  |
| 1006-6            | R1.01.001         | Abenaki                          |
| 1008-2            | R1.01.002         | Algonquian                       |
| 1010-8            | R1.01.003         | Apache                           |
| 1011-6            | R1.01.003.001     | Chiricahua                       |
| 1012-4            | R1.01.003.002     | Fort Sill Apache                 |
| 1013-2            | R1.01.003.003     | Jicarilla Apache                 |
| 1014-0            | R1.01.003.004     | Lipan Apache                     |
| 1015-7            | R1.01.003.005     | Mescalero Apache                 |
| 1016-5            | R1.01.003.006     | Oklahoma Apache                  |
| 1017-3            | R1.01.003.007     | Payson Apache                    |
| 1018-1            | R1.01.003.008     | San Carlos Apache                |
| 1019-9            | R1.01.003.009     | White Mountain Apache            |
| 1021-5            | R1.01.004         | Arapaho                          |
| 1022-3            | R1.01.004.001     | Northern Arapaho                 |
| 1023-1            | R1.01.004.002     | Southern Arapaho                 |
| 1024-9            | R1.01.004.003     | Wind River Arapaho               |
| 1026-4            | R1.01.005         | Arikara                          |
| 1028-0            | R1.01.006         | Assiniboine                      |
| 1030-6            | R1.01.007         | Assiniboine Sioux                |
| 1031-4            | R1.01.007.001     | Fort Peck Assiniboine Sioux      |
| 1033-0            | R1.01.008         | Bannock                          |
| 1035-5            | R1.01.009         | Blackfeet                        |
| 1037-1            | R1.01.010         | Brotherton                       |
| 1039-7            | R1.01.011         | Burt Lake Band                   |
| 1041-3            | R1.01.012         | Caddo                            |
| 1042-1            | R1.01.012.001     | Oklahoma Caddo                   |



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| Unique Identifier | Hierarchical Code | Concept                            |
|-------------------|-------------------|------------------------------------|
| 1044-7            | R1.01.013         | Cahuilla                           |
| 1045-4            | R1.01.013.001     | Agua Caliente Cahuilla             |
| 1046-2            | R1.01.013.002     | Augustine                          |
| 1047-0            | R1.01.013.003     | Cabazon                            |
| 1048-8            | R1.01.013.004     | Los Coyotes                        |
| 1049-6            | R1.01.013.005     | Morongo                            |
| 1050-4            | R1.01.013.006     | Santa Rosa Cahuilla                |
| 1051-2            | R1.01.013.007     | Torres-Martinez                    |
| 1053-8            | R1.01.014         | California Tribes                  |
| 1054-6            | R1.01.014.001     | Cahto                              |
| 1055-3            | R1.01.014.002     | Chimariko                          |
| 1056-1            | R1.01.014.003     | Coast Miwok                        |
| 1057-9            | R1.01.014.004     | Digger                             |
| 1058-7            | R1.01.014.005     | Kawaiisu                           |
| 1059-5            | R1.01.014.006     | Kern River                         |
| 1060-3            | R1.01.014.007     | Mattole                            |
| 1061-1            | R1.01.014.008     | Red Wood                           |
| 1062-9            | R1.01.014.009     | Santa Rosa                         |
| 1063-7            | R1.01.014.010     | Takelma                            |
| 1064-5            | R1.01.014.011     | Wappo                              |
| 1065-2            | R1.01.014.012     | Yana                               |
| 1066-0            | R1.01.014.013     | Yuki                               |
| 1068-6            | R1.01.015         | Canadian and Latin American Indian |
| 1069-4            | R1.01.015.001     | Canadian Indian                    |
| 1070-2            | R1.01.015.002     | Central American Indian            |
| 1071-0            | R1.01.015.003     | French American Indian             |
| 1072-8            | R1.01.015.004     | Mexican American Indian            |
| 1073-6            | R1.01.015.005     | South American Indian              |
| 1074-4            | R1.01.015.006     | Spanish American Indian            |
| 1076-9            | R1.01.016         | Catawba                            |
| 1078-5            | R1.01.017         | Cayuse                             |
| 1080-1            | R1.01.018         | Chehalis                           |
| 1082-7            | R1.01.019         | Chemakuan                          |
| 1083-5            | R1.01.019.001     | Hoh                                |
| 1084-3            | R1.01.019.002     | Quileute                           |
| 1086-8            | R1.01.020         | Chemehuevi                         |
| 1088-4            | R1.01.021         | Cherokee                           |
| 1089-2            | R1.01.021.001     | Cherokee Alabama                   |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept                                |
|-------------------|-------------------|--|
| 1090-0            | R1.01.021.002     | Cherokees of Northeast Alabama         |
| 1091-8            | R1.01.021.003     | Cherokees of Southeast Alabama         |
| 1092-6            | R1.01.021.004     | Eastern Cherokee                       |
| 1093-4            | R1.01.021.005     | Echota Cherokee                        |
| 1094-2            | R1.01.021.006     | Etowah Cherokee                        |
| 1095-9            | R1.01.021.007     | Northern Cherokee                      |
| 1096-7            | R1.01.021.008     | Tuscola                                |
| 1097-5            | R1.01.021.009     | United Keetowah Band of Cherokee       |
| 1098-3            | R1.01.021.010     | Western Cherokee                       |
| 1100-7            | R1.01.022         | Cherokee Shawnee                       |
| 1102-3            | R1.01.023         | Cheyenne                               |
| 1103-1            | R1.01.023.001     | Northern Cheyenne                      |
| 1104-9            | R1.01.023.002     | Southern Cheyenne                      |
| 1106-4            | R1.01.024         | Cheyenne-Arapaho                       |
| 1108-0            | R1.01.025         | Chickahominy                           |
| 1109-8            | R1.01.025.001     | Eastern Chickahominy                   |
| 1110-6            | R1.01.025.002     | Western Chickahominy                   |
| 1112-2            | R1.01.026         | Chickasaw                              |
| 1114-8            | R1.01.027         | Chinook                                |
| 1115-5            | R1.01.027.001     | Clatsop                                |
| 1116-3            | R1.01.027.002     | Columbia River Chinook                 |
| 1117-1            | R1.01.027.003     | Kathlamet                              |
| 1118-9            | R1.01.027.004     | Upper Chinook                          |
| 1119-7            | R1.01.027.005     | Wakiakum Chinook                       |
| 1120-5            | R1.01.027.006     | Willapa Chinook                        |
| 1121-3            | R1.01.027.007     | Wishram                                |
| 1123-9            | R1.01.028         | Chippewa                               |
| 1124-7            | R1.01.028.001     | Bad River                              |
| 1125-4            | R1.01.028.002     | Bay Mills Chippewa                     |
| 1126-2            | R1.01.028.003     | Bois Forte                             |
| 1127-0            | R1.01.028.004     | Burt Lake Chippewa                     |
| 1128-8            | R1.01.028.005     | Fond du Lac                            |
| 1129-6            | R1.01.028.006     | Grand Portage                          |
| 1130-4            | R1.01.028.007     | Grand Traverse Band of Ottawa/Chippewa |
| 1131-2            | R1.01.028.008     | Keweenaw                               |
| 1132-0            | R1.01.028.009     | Lac Courte Oreilles                    |
| 1133-8            | R1.01.028.010     | Lac du Flambeau                        |
| 1134-6            | R1.01.028.011     | Lac Vieux Desert Chippewa              |
| 1135-3            | R1.01.028.012     | Lake Superior                          |

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**CDC Common Data Element Implementation Guide - *Draft***

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| <b>Unique Identifier</b> | <b>Hierarchical Code</b> | <b>Concept</b>            |
|--------------------------|--------------------------|---------------------------|
| 1136-1                   | R1.01.028.013            | Leech Lake                |
| 1137-9                   | R1.01.028.014            | Little Shell Chippewa     |
| 1138-7                   | R1.01.028.015            | Mille Lacs                |
| 1139-5                   | R1.01.028.016            | Minnesota Chippewa        |
| 1140-3                   | R1.01.028.017            | Ontonagon                 |
| 1141-1                   | R1.01.028.018            | Red Cliff Chippewa        |
| 1142-9                   | R1.01.028.019            | Red Lake Chippewa         |
| 1143-7                   | R1.01.028.020            | Saginaw Chippewa          |
| 1144-5                   | R1.01.028.021            | St. Croix Chippewa        |
| 1145-2                   | R1.01.028.022            | Sault Ste. Marie Chippewa |
| 1146-0                   | R1.01.028.023            | Sokoagon Chippewa         |
| 1147-8                   | R1.01.028.024            | Turtle Mountain           |
| 1148-6                   | R1.01.028.025            | White Earth               |
| 1150-2                   | R1.01.029                | Chippewa Cree             |
| 1151-0                   | R1.01.029.001            | Rocky Boy's Chippewa Cree |
| 1153-6                   | R1.01.030                | Chitimacha                |
| 1155-1                   | R1.01.031                | Choctaw                   |
| 1156-9                   | R1.01.031.001            | Clifton Choctaw           |
| 1157-7                   | R1.01.031.002            | Jena Choctaw              |
| 1158-5                   | R1.01.031.003            | Mississippi Choctaw       |
| 1159-3                   | R1.01.031.004            | Mowa Band of Choctaw      |
| 1160-1                   | R1.01.031.005            | Oklahoma Choctaw          |
| 1162-7                   | R1.01.032                | Chumash                   |
| 1163-5                   | R1.01.032.001            | Santa Ynez                |
| 1165-0                   | R1.01.033                | Clear Lake                |
| 1167-6                   | R1.01.034                | Coeur D'Alene             |
| 1169-2                   | R1.01.035                | Coharie                   |
| 1171-8                   | R1.01.036                | Colorado River            |
| 1173-4                   | R1.01.037                | Colville                  |
| 1175-9                   | R1.01.038                | Comanche                  |
| 1176-7                   | R1.01.038.001            | Oklahoma Comanche         |
| 1178-3                   | R1.01.039                | Coos Lower Umpqua Siuslaw |
| 1180-9                   | R1.01.040                | Coos                      |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept                       |
|-------------------|-------------------|-------------------------------|
| 1182-5            | R1.01.041         | Coquilles                     |
| 1184-1            | R1.01.042         | Costanoan                     |
| 1186-6            | R1.01.043         | Coushatta                     |
| 1187-4            | R1.01.043.001     | Alabama Coushatta             |
| 1189-0            | R1.01.044         | Cowlitz                       |
| 1191-6            | R1.01.045         | Cree                          |
| 1193-2            | R1.01.046         | Creek                         |
| 1194-0            | R1.01.046.001     | Alabama Creek                 |
| 1195-7            | R1.01.046.002     | Alabama Quassarte             |
| 1196-5            | R1.01.046.003     | Eastern Creek                 |
| 1197-3            | R1.01.046.004     | Eastern Muscogee              |
| 1198-1            | R1.01.046.005     | Kialegee                      |
| 1199-9            | R1.01.046.006     | Lower Muscogee                |
| 1200-5            | R1.01.046.007     | Machis Lower Creek Indian     |
| 1201-3            | R1.01.046.008     | Poarch Band                   |
| 1202-1            | R1.01.046.009     | Principal Creek Indian Nation |
| 1203-9            | R1.01.046.010     | Star Clan of Muscogee Creeks  |
| 1204-7            | R1.01.046.011     | Thlopthlocco                  |
| 1205-4            | R1.01.046.012     | Tuckabachee                   |
| 1207-0            | R1.01.047         | Croatan                       |
| 1209-6            | R1.01.048         | Crow                          |
| 1211-2            | R1.01.049         | Cupeno                        |
| 1212-0            | R1.01.049.001     | Agua Caliente                 |
| 1214-6            | R1.01.050         | Delaware                      |
| 1215-3            | R1.01.050.001     | Eastern Delaware              |
| 1216-1            | R1.01.050.002     | Lenni-Lenape                  |
| 1217-9            | R1.01.050.003     | Munsee                        |
| 1218-7            | R1.01.050.004     | Oklahoma Delaware             |
| 1219-5            | R1.01.050.005     | Rampough Mountain             |
| 1220-3            | R1.01.050.006     | Sand Hill                     |
| 1222-9            | R1.01.051         | Diegueno                      |
| 1223-7            | R1.01.051.001     | Campo                         |
| 1224-5            | R1.01.051.002     | Capitan Grande                |
| 1225-2            | R1.01.051.003     | Cuyapaipa                     |
| 1226-0            | R1.01.051.004     | La Posta                      |
| 1227-8            | R1.01.051.005     | Manzanita                     |

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**CDC Common Data Element Implementation Guide - *Draft***

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| <b>Unique Identifier</b> | <b>Hierarchical Code</b> | <b>Concept</b>       |
|--------------------------|--------------------------|----------------------|
| 1228-6                   | R1.01.051.006            | Mesa Grande          |
| 1229-4                   | R1.01.051.007            | San Pasqual          |
| 1230-2                   | R1.01.051.008            | Santa Ysabel         |
| 1231-0                   | R1.01.051.009            | Sycuan               |
| 1233-6                   | R1.01.052                | Eastern Tribes       |
| 1234-4                   | R1.01.052.001            | Attacapa             |
| 1235-1                   | R1.01.052.002            | Biloxi               |
| 1236-9                   | R1.01.052.003            | Georgetown           |
| 1237-7                   | R1.01.052.004            | Moor                 |
| 1238-5                   | R1.01.052.005            | Nansemond            |
| 1239-3                   | R1.01.052.006            | Natchez              |
| 1240-1                   | R1.01.052.007            | Nausu Waiwash        |
| 1241-9                   | R1.01.052.008            | Nipmuc               |
| 1242-7                   | R1.01.052.009            | Paugussett           |
| 1243-5                   | R1.01.052.010            | Pocomoke Acohonock   |
| 1244-3                   | R1.01.052.011            | Southeastern Indians |
| 1245-0                   | R1.01.052.012            | Susquehanock         |
| 1246-8                   | R1.01.052.013            | Tunica Biloxi        |
| 1247-6                   | R1.01.052.014            | Waccamaw-Siousan     |
| 1248-4                   | R1.01.052.015            | Wicomico             |
| 1250-0                   | R1.01.053                | Esselen              |
| 1252-6                   | R1.01.054                | Fort Belknap         |
| 1254-2                   | R1.01.055                | Fort Berthold        |
| 1256-7                   | R1.01.056                | Fort Mcdowell        |
| 1258-3                   | R1.01.057                | Fort Hall            |
| 1260-9                   | R1.01.058                | Gabrieleno           |
| 1262-5                   | R1.01.059                | Grand Ronde          |
| 1264-1                   | R1.01.060                | Gros Ventres         |
| 1265-8                   | R1.01.060.001            | Atsina               |
| 1267-4                   | R1.01.061                | Haliwa               |
| 1269-0                   | R1.01.062                | Hidatsa              |
| 1271-6                   | R1.01.063                | Hoopa                |
| 1272-4                   | R1.01.063.001            | Trinity              |
| 1273-2                   | R1.01.063.002            | Whilkut              |

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**CDC Common Data Element Implementation Guide - *Draft***

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| Unique Identifier | Hierarchical Code | Concept                 |
|-------------------|-------------------|-------------------------|
| 1275-7            | R1.01.064         | Hoop Extension          |
| 1277-3            | R1.01.065         | Houma                   |
| 1279-9            | R1.01.066         | Inaja-Cosmit            |
| 1281-5            | R1.01.067         | Iowa                    |
| 1282-3            | R1.01.067.001     | Iowa of Kansas-Nebraska |
| 1283-1            | R1.01.067.002     | Iowa of Oklahoma        |
| 1285-6            | R1.01.068         | Iroquois                |
| 1286-4            | R1.01.068.001     | Cayuga                  |
| 1287-2            | R1.01.068.002     | Mohawk                  |
| 1288-0            | R1.01.068.003     | Oneida                  |
| 1289-8            | R1.01.068.004     | Onondaga                |
| 1290-6            | R1.01.068.005     | Seneca                  |
| 1291-4            | R1.01.068.006     | Seneca Nation           |
| 1292-2            | R1.01.068.007     | Seneca-Cayuga           |
| 1293-0            | R1.01.068.008     | Tonawanda Seneca        |
| 1294-8            | R1.01.068.009     | Tuscarora               |
| 1295-5            | R1.01.068.010     | Wyandotte               |
| 1297-1            | R1.01.069         | Juaneno                 |
| 1299-7            | R1.01.070         | Kalispel                |
| 1301-1            | R1.01.071         | Karuk                   |
| 1303-7            | R1.01.072         | Kaw                     |
| 1305-2            | R1.01.073         | Kickapoo                |
| 1306-0            | R1.01.073.001     | Oklahoma Kickapoo       |
| 1307-8            | R1.01.073.002     | Texas Kickapoo          |
| 1309-4            | R1.01.074         | Kiowa                   |
| 1310-2            | R1.01.074.001     | Oklahoma Kiowa          |
| 1312-8            | R1.01.075         | Klallam                 |
| 1313-6            | R1.01.075.001     | Jamestown               |
| 1314-4            | R1.01.075.002     | Lower Elwha             |
| 1315-1            | R1.01.075.003     | Port Gamble Klallam     |
| 1317-7            | R1.01.076         | Klamath                 |
| 1319-3            | R1.01.077         | Konkow                  |

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**CDC Common Data Element Implementation Guide - *Draft***

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| <b>Unique Identifier</b> | <b>Hierarchical Code</b> | <b>Concept</b>    |
|--------------------------|--------------------------|-------------------|
| 1321-9                   | R1.01.078                | Kootenai          |
| 1323-5                   | R1.01.079                | Lassik            |
| 1325-0                   | R1.01.080                | Long Island       |
| 1326-8                   | R1.01.080.001            | Matinecock        |
| 1327-6                   | R1.01.080.002            | Montauk           |
| 1328-4                   | R1.01.080.003            | Poospatuck        |
| 1329-2                   | R1.01.080.004            | Setauket          |
| 1331-8                   | R1.01.081                | Luiseno           |
| 1332-6                   | R1.01.081.001            | La Jolla          |
| 1333-4                   | R1.01.081.002            | Pala              |
| 1334-2                   | R1.01.081.003            | Pauma             |
| 1335-9                   | R1.01.081.004            | Pechanga          |
| 1336-7                   | R1.01.081.005            | Soboba            |
| 1337-5                   | R1.01.081.006            | Twenty-Nine Palms |
| 1338-3                   | R1.01.081.007            | Temecula          |
| 1340-9                   | R1.01.082                | Lumbee            |
| 1342-5                   | R1.01.083                | Lummi             |
| 1344-1                   | R1.01.084                | Maidu             |
| 1345-8                   | R1.01.084.001            | Mountain Maidu    |
| 1346-6                   | R1.01.084.002            | Nishinam          |
| 1348-2                   | R1.01.085                | Makah             |
| 1350-8                   | R1.01.086                | Maliseet          |
| 1352-4                   | R1.01.087                | Mandan            |
| 1354-0                   | R1.01.088                | Mattaponi         |
| 1356-5                   | R1.01.089                | Menominee         |
| 1358-1                   | R1.01.090                | Miami             |
| 1359-9                   | R1.01.090.001            | Illinois Miami    |
| 1360-7                   | R1.01.090.002            | Indiana Miami     |
| 1361-5                   | R1.01.090.003            | Oklahoma Miami    |
| 1363-1                   | R1.01.091                | Miccosukee        |
| 1365-6                   | R1.01.092                | Micmac            |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept           |
|-------------------|-------------------|-------------------|
| 1366-4            | R1.01.092.001     | Aroostook         |
| 1368-0            | R1.01.093         | Mission Indians   |
| 1370-6            | R1.01.094         | Miwok             |
| 1372-2            | R1.01.095         | Modoc             |
| 1374-8            | R1.01.096         | Mohegan           |
| 1376-3            | R1.01.097         | Mono              |
| 1378-9            | R1.01.098         | Nanticoke         |
| 1380-5            | R1.01.099         | Narragansett      |
| 1382-1            | R1.01.100         | Navajo            |
| 1383-9            | R1.01.100.001     | Alamo Navajo      |
| 1384-7            | R1.01.100.002     | Canoncito Navajo  |
| 1385-4            | R1.01.100.003     | Ramah Navajo      |
| 1387-0            | R1.01.101         | Nez Perce         |
| 1389-6            | R1.01.102         | Nomalaki          |
| 1391-2            | R1.01.103         | Northwest Tribes  |
| 1392-0            | R1.01.103.001     | Alsea             |
| 1393-8            | R1.01.103.002     | Celilo            |
| 1394-6            | R1.01.103.003     | Columbia          |
| 1395-3            | R1.01.103.004     | Kalapuya          |
| 1396-1            | R1.01.103.005     | Molala            |
| 1397-9            | R1.01.103.006     | Talakamish        |
| 1398-7            | R1.01.103.007     | Tenino            |
| 1399-5            | R1.01.103.008     | Tillamook         |
| 1400-1            | R1.01.103.009     | Wenatchee         |
| 1401-9            | R1.01.103.010     | Yahooskin         |
| 1403-5            | R1.01.104         | Omaha             |
| 1405-0            | R1.01.105         | Oregon Athabaskan |
| 1407-6            | R1.01.106         | Osage             |
| 1409-2            | R1.01.107         | Otoe-Missouria    |
| 1411-8            | R1.01.108         | Ottawa            |



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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept                      |
|-------------------|-------------------|------------------------------|
| 1412-6            | R1.01.108.001     | Burt Lake Ottawa             |
| 1413-4            | R1.01.108.002     | Michigan Ottawa              |
| 1414-2            | R1.01.108.003     | Oklahoma Ottawa              |
| 1416-7            | R1.01.109         | Paiute                       |
| 1417-5            | R1.01.109.001     | Bishop                       |
| 1418-3            | R1.01.109.002     | Bridgeport                   |
| 1419-1            | R1.01.109.003     | Burns Paiute                 |
| 1420-9            | R1.01.109.004     | Cedarville                   |
| 1421-7            | R1.01.109.005     | Fort Bidwell                 |
| 1422-5            | R1.01.109.006     | Fort Independence            |
| 1423-3            | R1.01.109.007     | Kaibab                       |
| 1424-1            | R1.01.109.008     | Las Vegas                    |
| 1425-8            | R1.01.109.009     | Lone Pine                    |
| 1426-6            | R1.01.109.010     | Lovelock                     |
| 1427-4            | R1.01.109.011     | Malheur Paiute               |
| 1428-2            | R1.01.109.012     | Moapa                        |
| 1429-0            | R1.01.109.013     | Northern Paiute              |
| 1430-8            | R1.01.109.014     | Owens Valley                 |
| 1431-6            | R1.01.109.015     | Pyramid Lake                 |
| 1432-4            | R1.01.109.016     | San Juan Southern Paiute     |
| 1433-2            | R1.01.109.017     | Southern Paiute              |
| 1434-0            | R1.01.109.018     | Summit Lake                  |
| 1435-7            | R1.01.109.019     | Utu Utu Gwaitu Paiute        |
| 1436-5            | R1.01.109.020     | Walker River                 |
| 1437-3            | R1.01.109.021     | Yerington Paiute             |
| 1439-9            | R1.01.110         | Pamunkey                     |
| 1441-5            | R1.01.111         | Passamaquoddy                |
| 1442-3            | R1.01.111.001     | Indian Township              |
| 1443-1            | R1.01.111.002     | Pleasant Point Passamaquoddy |
| 1445-6            | R1.01.112         | Pawnee                       |
| 1446-4            | R1.01.112.001     | Oklahoma Pawnee              |
| 1448-0            | R1.01.113         | Penobscot                    |
| 1450-6            | R1.01.114         | Peoria                       |
| 1451-4            | R1.01.114.001     | Oklahoma Peoria              |
| 1453-0            | R1.01.115         | Pequot                       |
| 1454-8            | R1.01.115.001     | Marshantucket Pequot         |
| 1456-3            | R1.01.116         | Pima                         |
| 1457-1            | R1.01.116.001     | Gila River Pima-Maricopa     |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept                  |
|-------------------|-------------------|--------------------------|
| 1458-9            | R1.01.116.002     | Salt River Pima-Maricopa |
| 1460-5            | R1.01.117         | Piscataway               |
| 1462-1            | R1.01.118         | Pit River                |
| 1464-7            | R1.01.119         | Pomo                     |
| 1465-4            | R1.01.119.001     | Central Pomo             |
| 1466-2            | R1.01.119.002     | Dry Creek                |
| 1467-0            | R1.01.119.003     | Eastern Pomo             |
| 1468-8            | R1.01.119.004     | Kashia                   |
| 1469-6            | R1.01.119.005     | Northern Pomo            |
| 1470-4            | R1.01.119.006     | Scotts Valley            |
| 1471-2            | R1.01.119.007     | Stonyford                |
| 1472-0            | R1.01.119.008     | Sulphur Bank             |
| 1474-6            | R1.01.120         | Ponca                    |
| 1475-3            | R1.01.120.001     | Nebraska Ponca           |
| 1476-1            | R1.01.120.002     | Oklahoma Ponca           |
| 1478-7            | R1.01.121         | Potawatomi               |
| 1479-5            | R1.01.121.001     | Citizen Band Potawatomi  |
| 1480-3            | R1.01.121.002     | Forest County            |
| 1481-1            | R1.01.121.003     | Hannahville              |
| 1482-9            | R1.01.121.004     | Huron Potawatomi         |
| 1483-7            | R1.01.121.005     | Pokagon Potawatomi       |
| 1484-5            | R1.01.121.006     | Prairie Band             |
| 1485-2            | R1.01.121.007     | Wisconsin Potawatomi     |
| 1487-8            | R1.01.122         | Powhatan                 |
| 1489-4            | R1.01.123         | Pueblo                   |
| 1490-2            | R1.01.123.001     | Acoma                    |
| 1491-0            | R1.01.123.002     | Arizona Tewa             |
| 1492-8            | R1.01.123.003     | Cochiti                  |
| 1493-6            | R1.01.123.004     | Hopi                     |
| 1494-4            | R1.01.123.005     | Isleta                   |
| 1495-1            | R1.01.123.006     | Jemez                    |
| 1496-9            | R1.01.123.007     | Keres                    |
| 1497-7            | R1.01.123.008     | Laguna                   |
| 1498-5            | R1.01.123.009     | Nambe                    |
| 1499-3            | R1.01.123.010     | Picuris                  |
| 1500-8            | R1.01.123.011     | Piro                     |
| 1501-6            | R1.01.123.012     | Pojoaque                 |
| 1502-4            | R1.01.123.013     | San Felipe               |
| 1503-2            | R1.01.123.014     | San Ildefonso            |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept            |
|-------------------|-------------------|--------------------|
| 1504-0            | R1.01.123.015     | San Juan Pueblo    |
| 1505-7            | R1.01.123.016     | San Juan De        |
| 1506-5            | R1.01.123.017     | San Juan           |
| 1507-3            | R1.01.123.018     | Sandia             |
| 1508-1            | R1.01.123.019     | Santa Ana          |
| 1509-9            | R1.01.123.020     | Santa Clara        |
| 1510-7            | R1.01.123.021     | Santo Domingo      |
| 1511-5            | R1.01.123.022     | Taos               |
| 1512-3            | R1.01.123.023     | Tesuque            |
| 1513-1            | R1.01.123.024     | Tewa               |
| 1514-9            | R1.01.123.025     | Tigua              |
| 1515-6            | R1.01.123.026     | Zia                |
| 1516-4            | R1.01.123.027     | Zuni               |
|                   |                   |                    |
| 1518-0            | R1.01.124         | Puget Sound Salish |
| 1519-8            | R1.01.124.001     | Duwamish           |
| 1520-6            | R1.01.124.002     | Kikiallus          |
| 1521-4            | R1.01.124.003     | Lower Skagit       |
| 1522-2            | R1.01.124.004     | Muckleshoot        |
| 1523-0            | R1.01.124.005     | Nisqually          |
| 1524-8            | R1.01.124.006     | Nooksack           |
| 1525-5            | R1.01.124.007     | Port Madison       |
| 1526-3            | R1.01.124.008     | Puyallup           |
| 1527-1            | R1.01.124.009     | Samish             |
| 1528-9            | R1.01.124.010     | Sauk-Suiattle      |
| 1529-7            | R1.01.124.011     | Skokomish          |
| 1530-5            | R1.01.124.012     | Skykomish          |
| 1531-3            | R1.01.124.013     | Snohomish          |
| 1532-1            | R1.01.124.014     | Snoqualmie         |
| 1533-9            | R1.01.124.015     | Squaxin Island     |
| 1534-7            | R1.01.124.016     | Steilacoom         |
| 1535-4            | R1.01.124.017     | Stillaguamish      |
| 1536-2            | R1.01.124.018     | Suquamish          |
| 1537-0            | R1.01.124.019     | Swinomish          |
| 1538-8            | R1.01.124.020     | Tulalip            |
| 1539-6            | R1.01.124.021     | Upper Skagit       |
|                   |                   |                    |
| 1541-2            | R1.01.125         | Quapaw             |
|                   |                   |                    |
| 1543-8            | R1.01.126         | Quinault           |
|                   |                   |                    |
| 1545-3            | R1.01.127         | Rappahannock       |
|                   |                   |                    |
| 1547-9            | R1.01.128         | Reno-Sparks        |
|                   |                   |                    |
| 1549-5            | R1.01.129         | Round Valley       |

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**CDC Common Data Element Implementation Guide - *Draft***

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| <b>Unique Identifier</b> | <b>Hierarchical Code</b> | <b>Concept</b>       |
|--------------------------|--------------------------|----------------------|
| 1551-1                   | R1.01.130                | Sac and Fox          |
| 1552-9                   | R1.01.130.001            | Iowa Sac and Fox     |
| 1553-7                   | R1.01.130.002            | Missouri Sac and Fox |
| 1554-5                   | R1.01.130.003            | Oklahoma Sac and Fox |
| 1556-0                   | R1.01.131                | Salinan              |
| 1558-6                   | R1.01.132                | Salish               |
| 1560-2                   | R1.01.133                | Salish and Kootenai  |
| 1562-8                   | R1.01.134                | Schaghticoke         |
| 1564-4                   | R1.01.135                | Scott Valley         |
| 1566-9                   | R1.01.136                | Seminole             |
| 1567-7                   | R1.01.136.001            | Big Cypress          |
| 1568-5                   | R1.01.136.002            | Brighton             |
| 1569-3                   | R1.01.136.003            | Florida Seminole     |
| 1570-1                   | R1.01.136.004            | Hollywood Seminole   |
| 1571-9                   | R1.01.136.005            | Oklahoma Seminole    |
| 1573-5                   | R1.01.137                | Serrano              |
| 1574-3                   | R1.01.137.001            | San Manual           |
| 1576-8                   | R1.01.138                | Shasta               |
| 1578-4                   | R1.01.139                | Shawnee              |
| 1579-2                   | R1.01.139.001            | Absentee Shawnee     |
| 1580-0                   | R1.01.139.002            | Eastern Shawnee      |
| 1582-6                   | R1.01.140                | Shinnecock           |
| 1584-2                   | R1.01.141                | Shoalwater Bay       |
| 1586-7                   | R1.01.142                | Shoshone             |
| 1587-5                   | R1.01.142.001            | Battle Mountain      |
| 1588-3                   | R1.01.142.002            | Duckwater            |
| 1589-1                   | R1.01.142.003            | Elko                 |
| 1590-9                   | R1.01.142.004            | Ely                  |
| 1591-7                   | R1.01.142.005            | Goshute              |
| 1592-5                   | R1.01.142.006            | Panamint             |
| 1593-3                   | R1.01.142.007            | Ruby Valley          |
| 1594-1                   | R1.01.142.008            | Skull Valley         |
| 1595-8                   | R1.01.142.009            | South Fork Shoshone  |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept                   |
|-------------------|-------------------|---------------------------|
| 1596-6            | R1.01.142.010     | Te-Mmoak Western Shoshone |
| 1597-4            | R1.01.142.011     | Timbi-Sha Shoshone        |
| 1598-2            | R1.01.142.012     | Washakie                  |
| 1599-0            | R1.01.142.013     | Wind River Shoshone       |
| 1600-6            | R1.01.142.014     | Yomba                     |
| 1602-2            | R1.01.143         | Shoshone Paiute           |
| 1603-0            | R1.01.143.001     | Duck Valley               |
| 1604-8            | R1.01.143.002     | Fallon                    |
| 1605-5            | R1.01.143.003     | Fort McDermitt            |
| 1607-1            | R1.01.144         | Siletz                    |
| 1609-7            | R1.01.145         | Sioux                     |
| 1610-5            | R1.01.145.001     | Blackfoot Sioux           |
| 1611-3            | R1.01.145.002     | Brule Sioux               |
| 1612-1            | R1.01.145.003     | Cheyenne River Sioux      |
| 1613-9            | R1.01.145.004     | Crow Creek Sioux          |
| 1614-7            | R1.01.145.005     | Dakota Sioux              |
| 1615-4            | R1.01.145.006     | Flandreau Santee          |
| 1616-2            | R1.01.145.007     | Fort Peck                 |
| 1617-0            | R1.01.145.008     | Lake Traverse Sioux       |
| 1618-8            | R1.01.145.009     | Lower Brule Sioux         |
| 1619-6            | R1.01.145.010     | Lower Sioux               |
| 1620-4            | R1.01.145.011     | Mdewakanton Sioux         |
| 1621-2            | R1.01.145.012     | Miniconjou                |
| 1622-0            | R1.01.145.013     | Oglala Sioux              |
| 1623-8            | R1.01.145.014     | Pine Ridge Sioux          |
| 1624-6            | R1.01.145.015     | Pipestone Sioux           |
| 1625-3            | R1.01.145.016     | Prairie Island Sioux      |
| 1626-1            | R1.01.145.017     | Prior Lake Sioux          |
| 1627-9            | R1.01.145.018     | Rosebud Sioux             |
| 1628-7            | R1.01.145.019     | Sans Arc Sioux            |
| 1629-5            | R1.01.145.020     | Santee Sioux              |
| 1630-3            | R1.01.145.021     | Sisseton-Wahpeton         |
| 1631-1            | R1.01.145.022     | Sisseton Sioux            |
| 1632-9            | R1.01.145.023     | Sprit Lake Sioux          |
| 1633-7            | R1.01.145.024     | Standing Rock Sioux       |
| 1634-5            | R1.01.145.025     | Teton Sioux               |
| 1635-2            | R1.01.145.026     | Two Kettle Sioux          |
| 1636-0            | R1.01.145.027     | Upper Sioux               |
| 1637-8            | R1.01.145.028     | Wahpekute Sioux           |
| 1638-6            | R1.01.145.029     | Wahpeton Sioux            |
| 1639-4            | R1.01.145.030     | Wazhaza Sioux             |
| 1640-2            | R1.01.145.031     | Yankton Sioux             |
| 1641-0            | R1.01.145.032     | Yanktonai Sioux           |

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**CDC Common Data Element Implementation Guide - *Draft***

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| Unique Identifier | Hierarchical Code | Concept            |
|-------------------|-------------------|--------------------|
| 1643-6            | R1.01.146         | Siuslaw            |
| 1645-1            | R1.01.147         | Spokane            |
| 1647-7            | R1.01.148         | Stewart            |
| 1649-3            | R1.01.149         | Stockbridge        |
| 1651-9            | R1.01.150         | Susanville         |
| 1653-5            | R1.01.151         | Tohono O'Odham     |
| 1654-3            | R1.01.151.001     | Ak-Chin            |
| 1655-0            | R1.01.151.002     | Gila Bend          |
| 1656-8            | R1.01.151.003     | San Xavier         |
| 1657-6            | R1.01.151.004     | Sells              |
| 1659-2            | R1.01.152         | Tolowa             |
| 1661-8            | R1.01.153         | Tonkawa            |
| 1663-4            | R1.01.154         | Tygh               |
| 1665-9            | R1.01.155         | Umatilla           |
| 1667-5            | R1.01.156         | Umpqua             |
| 1668-3            | R1.01.156.001     | Cow Creek Umpqua   |
| 1670-9            | R1.01.157         | Ute                |
| 1671-7            | R1.01.157.001     | Allen Canyon       |
| 1672-5            | R1.01.157.002     | Uintah Ute         |
| 1673-3            | R1.01.157.003     | Ute Mountain Ute   |
| 1675-8            | R1.01.158         | Wailaki            |
| 1677-4            | R1.01.159         | Walla-Walla        |
| 1679-0            | R1.01.160         | Wampanoag          |
| 1680-8            | R1.01.160.001     | Gay Head Wampanoag |
| 1681-6            | R1.01.160.002     | Mashpee Wampanoag  |
| 1683-2            | R1.01.161         | Warm Springs       |
| 1685-7            | R1.01.162         | Wascopum           |
| 1687-3            | R1.01.163         | Washoe             |

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**CDC Common Data Element Implementation Guide - *Draft***

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| <b>Unique Identifier</b> | <b>Hierarchical Code</b> | <b>Concept</b>     |
|--------------------------|--------------------------|--------------------|
| 1688-1                   | R1.01.163.001            | Alpine             |
| 1689-9                   | R1.01.163.002            | Carson             |
| 1690-7                   | R1.01.163.003            | Dresslerville      |
| 1692-3                   | R1.01.164                | Wichita            |
| 1694-9                   | R1.01.165                | Wind River         |
| 1696-4                   | R1.01.166                | Winnebago          |
| 1697-2                   | R1.01.166.001            | Ho-chunk           |
| 1698-0                   | R1.01.166.002            | Nebraska Winnebago |
| 1700-4                   | R1.01.167                | Winnemucca         |
| 1702-0                   | R1.01.168                | Wintun             |
| 1704-6                   | R1.01.169                | Wiyot              |
| 1705-3                   | R1.01.169.001            | Table Bluff        |
| 1707-9                   | R1.01.170                | Yakama             |
| 1709-5                   | R1.01.171                | Yakama Cowlitz     |
| 1711-1                   | R1.01.172                | Yaqui              |
| 1712-9                   | R1.01.172.001            | Barrio Libre       |
| 1713-7                   | R1.01.172.002            | Pascua Yaqui       |
| 1715-2                   | R1.01.173                | Yavapai Apache     |
| 1717-8                   | R1.01.174                | Yokuts             |
| 1718-6                   | R1.01.174.001            | Chukchansi         |
| 1719-4                   | R1.01.174.002            | Tachi              |
| 1720-2                   | R1.01.174.003            | Tule River         |
| 1722-8                   | R1.01.175                | Yuchi              |
| 1724-4                   | R1.01.176                | Yuman              |
| 1725-1                   | R1.01.176.001            | Cocopah            |
| 1726-9                   | R1.01.176.002            | Havasupai          |
| 1727-7                   | R1.01.176.003            | Hualapai           |
| 1728-5                   | R1.01.176.004            | Maricopa           |
| 1729-3                   | R1.01.176.005            | Mohave             |
| 1730-1                   | R1.01.176.006            | Quechan            |
| 1732-7                   | R1.01.177                | Yurok              |
| 1733-5                   | R1.01.177.001            | Coast Yurok        |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept            |
|-------------------|-------------------|--------------------|
| 1735-0            | R1.02             | Alaska Native      |
| 1737-6            | R1.02.001         | Alaska Indian      |
| 1739-2            | R1.02.001.001     | Alaskan Athabascan |
| 1740-0            | R1.02.001.001.001 | Ahtna              |
| 1741-8            | R1.02.001.001.002 | Alatna             |
| 1742-6            | R1.02.001.001.003 | Alexander          |
| 1743-4            | R1.02.001.001.004 | Allakaket          |
| 1744-2            | R1.02.001.001.005 | Alanvik            |
| 1745-9            | R1.02.001.001.006 | Anvik              |
| 1746-7            | R1.02.001.001.007 | Arctic             |
| 1747-5            | R1.02.001.001.008 | Beaver             |
| 1748-3            | R1.02.001.001.009 | Birch Creek        |
| 1749-1            | R1.02.001.001.010 | Cantwell           |
| 1750-9            | R1.02.001.001.011 | Chalkyitsik        |
| 1751-7            | R1.02.001.001.012 | Chickaloon         |
| 1752-5            | R1.02.001.001.013 | Chistochina        |
| 1753-3            | R1.02.001.001.014 | Chitina            |
| 1754-1            | R1.02.001.001.015 | Circle             |
| 1755-8            | R1.02.001.001.016 | Cook Inlet         |
| 1756-6            | R1.02.001.001.017 | Copper Center      |
| 1757-4            | R1.02.001.001.018 | Copper River       |
| 1758-2            | R1.02.001.001.019 | Dot Lake           |
| 1759-0            | R1.02.001.001.020 | Doyon              |
| 1760-8            | R1.02.001.001.021 | Eagle              |
| 1761-6            | R1.02.001.001.022 | Eklutna            |
| 1762-4            | R1.02.001.001.023 | Evansville         |
| 1763-2            | R1.02.001.001.024 | Fort Yukon         |
| 1764-0            | R1.02.001.001.025 | Gakona             |
| 1765-7            | R1.02.001.001.026 | Galena             |
| 1766-5            | R1.02.001.001.027 | Grayling           |
| 1767-3            | R1.02.001.001.028 | Gulkana            |
| 1768-1            | R1.02.001.001.029 | Healy Lake         |
| 1769-9            | R1.02.001.001.030 | Holy Cross         |
| 1770-7            | R1.02.001.001.031 | Hughes             |
| 1771-5            | R1.02.001.001.032 | Huslia             |
| 1772-3            | R1.02.001.001.033 | Iliamna            |
| 1773-1            | R1.02.001.001.034 | Kaltag             |
| 1774-9            | R1.02.001.001.035 | Kluti Kaah         |
| 1775-6            | R1.02.001.001.036 | Knik               |
| 1776-4            | R1.02.001.001.037 | Koyukuk            |
| 1777-2            | R1.02.001.001.038 | Lake Minchumina    |
| 1778-0            | R1.02.001.001.039 | Lime               |
| 1779-8            | R1.02.001.001.040 | Mcgrath            |



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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code     | Concept                                     |
|-------------------|-----------------------|---|
| 1780-6            | R1.02.001.001.041     | Manley Hot Springs                          |
| 1781-4            | R1.02.001.001.042     | Mentasta Lake                               |
| 1782-2            | R1.02.001.001.043     | Minto                                       |
| 1783-0            | R1.02.001.001.044     | Nenana                                      |
| 1784-8            | R1.02.001.001.045     | Nikolai                                     |
| 1785-5            | R1.02.001.001.046     | Ninilchik                                   |
| 1786-3            | R1.02.001.001.047     | Nondalton                                   |
| 1787-1            | R1.02.001.001.048     | Northway                                    |
| 1788-9            | R1.02.001.001.049     | Nulato                                      |
| 1789-7            | R1.02.001.001.050     | Pedro Bay                                   |
| 1790-5            | R1.02.001.001.051     | Rampart                                     |
| 1791-3            | R1.02.001.001.052     | Ruby  |
| 1792-1            | R1.02.001.001.053     | Salamatof                                   |
| 1793-9            | R1.02.001.001.054     | Seldovia                                    |
| 1794-7            | R1.02.001.001.055     | Slana                                       |
| 1795-4            | R1.02.001.001.056     | Shageluk                                    |
| 1796-2            | R1.02.001.001.057     | Stevens                                     |
| 1797-0            | R1.02.001.001.058     | Stony River                                 |
| 1798-8            | R1.02.001.001.059     | Takotna                                     |
| 1799-6            | R1.02.001.001.060     | Tanacross                                   |
| 1800-2            | R1.02.001.001.061     | Tanaina                                     |
| 1801-0            | R1.02.001.001.062     | Tanana                                      |
| 1802-8            | R1.02.001.001.063     | Tanana Chiefs                               |
| 1803-6            | R1.02.001.001.064     | Tazlina                                     |
| 1804-4            | R1.02.001.001.065     | Telida                                      |
| 1805-1            | R1.02.001.001.066     | Tetlin                                      |
| 1806-9            | R1.02.001.001.067     | Tok   |
| 1807-7            | R1.02.001.001.068     | Tyonek                                      |
| 1808-5            | R1.02.001.001.069     | Venetie                                     |
| 1809-3            | R1.02.001.001.070     | Wiseman                                     |
| 1811-9            | R1.02.001.002         | Southeast Alaska                            |
| 1813-5            | R1.02.001.002.001     | Tlinit-Haida                                |
| 1814-3            | R1.02.001.002.001.001 | Angoon                                      |
| 1815-0            | R1.02.001.002.001.002 | Central Council of Tlingit and Haida Tribes |
| 1816-8            | R1.02.001.002.001.003 | Chilkat                                     |
| 1817-6            | R1.02.001.002.001.004 | Chilkoot                                    |
| 1818-4            | R1.02.001.002.001.005 | Craig                                       |
| 1819-2            | R1.02.001.002.001.006 | Douglas                                     |
| 1820-0            | R1.02.001.002.001.007 | Haida                                       |
| 1821-8            | R1.02.001.002.001.008 | Hoonah                                      |
| 1822-6            | R1.02.001.002.001.009 | Hydaburg                                    |
| 1823-4            | R1.02.001.002.001.010 | Kake  |
| 1824-2            | R1.02.001.002.001.011 | Kasaan                                      |
| 1825-9            | R1.02.001.002.001.012 | Kenaitze                                    |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code     | Concept                  |
|-------------------|-----------------------|--------------------------|
| 1826-7            | R1.02.001.002.001.013 | Ketchikan                |
| 1827-5            | R1.02.001.002.001.014 | Klawock                  |
| 1828-3            | R1.02.001.002.001.015 | Pelican                  |
| 1829-1            | R1.02.001.002.001.016 | Petersburg               |
| 1830-9            | R1.02.001.002.001.017 | Saxman                   |
| 1831-7            | R1.02.001.002.001.018 | Sitka                    |
| 1832-5            | R1.02.001.002.001.019 | Tenakee Springs          |
| 1833-3            | R1.02.001.002.001.020 | Tlingit                  |
| 1834-1            | R1.02.001.002.001.021 | Wrangell                 |
| 1835-8            | R1.02.001.002.001.022 | Yakutat                  |
| 1837-4            | R1.02.001.002.002     | Tsimshian                |
| 1838-2            | R1.02.001.002.002.001 | Metlakatla               |
| 1840-8            | R1.02.002             | Eskimo                   |
| 1842-4            | R1.02.002.001         | Greenland Eskimo         |
| 1844-0            | R1.02.002.002         | Inupiat Eskimo           |
| 1845-7            | R1.02.002.002.001     | Ambler                   |
| 1846-5            | R1.02.002.002.002     | Anaktuvuk                |
| 1847-3            | R1.02.002.002.003     | Anaktuvuk Pass           |
| 1848-1            | R1.02.002.002.004     | Arctic Slope Inupiat     |
| 1849-9            | R1.02.002.002.005     | Arctic Slope Corporation |
| 1850-7            | R1.02.002.002.006     | Atqasuk                  |
| 1851-5            | R1.02.002.002.007     | Barrow                   |
| 1852-3            | R1.02.002.002.008     | Bering Straits Inupiat   |
| 1853-1            | R1.02.002.002.009     | Brevig Mission           |
| 1854-9            | R1.02.002.002.010     | Buckland                 |
| 1855-6            | R1.02.002.002.011     | Chinik                   |
| 1856-4            | R1.02.002.002.012     | Council                  |
| 1857-2            | R1.02.002.002.013     | Deering                  |
| 1858-0            | R1.02.002.002.014     | Elim                     |
| 1859-8            | R1.02.002.002.015     | Golovin                  |
| 1860-6            | R1.02.002.002.016     | Inalik Diamede           |
| 1861-4            | R1.02.002.002.017     | Inupiaq                  |
| 1862-2            | R1.02.002.002.018     | Kaktovik                 |
| 1863-0            | R1.02.002.002.019     | Kawerak                  |
| 1864-8            | R1.02.002.002.020     | Kiana                    |
| 1865-5            | R1.02.002.002.021     | Kivalina                 |
| 1866-3            | R1.02.002.002.022     | Kobuk                    |
| 1867-1            | R1.02.002.002.023     | Kotzebue                 |
| 1868-9            | R1.02.002.002.024     | Koyuk                    |
| 1869-7            | R1.02.002.002.025     | Kwiguk                   |
| 1870-5            | R1.02.002.002.026     | Mauneluk Inupiat         |
| 1871-3            | R1.02.002.002.027     | Nana Inupiat             |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept                |
|-------------------|-------------------|------------------------|
| 1872-1            | R1.02.002.002.028 | Noatak                 |
| 1873-9            | R1.02.002.002.029 | Nome                   |
| 1874-7            | R1.02.002.002.030 | Noorvik                |
| 1875-4            | R1.02.002.002.031 | Nuiqsut                |
| 1876-2            | R1.02.002.002.032 | Point Hope             |
| 1877-0            | R1.02.002.002.033 | Point Lay              |
| 1878-8            | R1.02.002.002.034 | Selawik                |
| 1879-6            | R1.02.002.002.035 | Shaktolik              |
| 1880-4            | R1.02.002.002.036 | Shishmaref             |
| 1881-2            | R1.02.002.002.037 | Shungnak               |
| 1882-0            | R1.02.002.002.038 | Solomon                |
| 1883-8            | R1.02.002.002.039 | Teller                 |
| 1884-6            | R1.02.002.002.040 | Unalakleet             |
| 1885-3            | R1.02.002.002.041 | Wainwright             |
| 1886-1            | R1.02.002.002.042 | Wales                  |
| 1887-9            | R1.02.002.002.043 | White Mountain         |
| 1888-7            | R1.02.002.002.044 | White Mountain Inupiat |
| 1889-5            | R1.02.002.002.045 | Mary's Igloo           |
| 1891-1            | R1.02.002.003     | Siberian Eskimo        |
| 1892-9            | R1.02.002.003.001 | Gambell                |
| 1893-7            | R1.02.002.003.002 | Savoonga               |
| 1894-5            | R1.02.002.003.003 | Siberian Yupik         |
| 1896-0            | R1.02.002.004     | Yupik Eskimo           |
| 1897-8            | R1.02.002.004.001 | Akiachak               |
| 1898-6            | R1.02.002.004.002 | Akiak                  |
| 1899-4            | R1.02.002.004.003 | Alakanuk               |
| 1900-0            | R1.02.002.004.004 | Aleknagik              |
| 1901-8            | R1.02.002.004.005 | Andreafsky             |
| 1902-6            | R1.02.002.004.006 | Aniak                  |
| 1903-4            | R1.02.002.004.007 | Atmautluak             |
| 1904-2            | R1.02.002.004.008 | Bethel                 |
| 1905-9            | R1.02.002.004.009 | Bill Moore's Slough    |
| 1906-7            | R1.02.002.004.010 | Bristol Bay Yupik      |
| 1907-5            | R1.02.002.004.011 | Calista Yupik          |
| 1908-3            | R1.02.002.004.012 | Chefornak              |
| 1909-1            | R1.02.002.004.013 | Chevak                 |
| 1910-9            | R1.02.002.004.014 | Chuathbaluk            |
| 1911-7            | R1.02.002.004.015 | Clark's Point          |
| 1912-5            | R1.02.002.004.016 | Crooked Creek          |
| 1913-3            | R1.02.002.004.017 | Dillingham             |
| 1914-1            | R1.02.002.004.018 | Eek                    |
| 1915-8            | R1.02.002.004.019 | Ekuk                   |
| 1916-6            | R1.02.002.004.020 | Ekwok                  |
| 1917-4            | R1.02.002.004.021 | Emmonak                |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept                    |
|-------------------|-------------------|----------------------------|
| 1918-2            | R1.02.002.004.022 | Goodnews Bay               |
| 1919-0            | R1.02.002.004.023 | Hooper Bay                 |
| 1920-8            | R1.02.002.004.024 | Iqurmuit (Russian Mission) |
| 1921-6            | R1.02.002.004.025 | Kalskag                    |
| 1922-4            | R1.02.002.004.026 | Kasigluk                   |
| 1923-2            | R1.02.002.004.027 | Kipnuk                     |
| 1924-0            | R1.02.002.004.028 | Koliganek                  |
| 1925-7            | R1.02.002.004.029 | Kongiganak                 |
| 1926-5            | R1.02.002.004.030 | Kotlik                     |
| 1927-3            | R1.02.002.004.031 | Kwethluk                   |
| 1928-1            | R1.02.002.004.032 | Kwigillingok               |
| 1929-9            | R1.02.002.004.033 | Levelock                   |
| 1930-7            | R1.02.002.004.034 | Lower Kalskag              |
| 1931-5            | R1.02.002.004.035 | Manokotak                  |
| 1932-3            | R1.02.002.004.036 | Marshall                   |
| 1933-1            | R1.02.002.004.037 | Mekoryuk                   |
| 1934-9            | R1.02.002.004.038 | Mountain Village           |
| 1935-6            | R1.02.002.004.039 | Naknek                     |
| 1936-4            | R1.02.002.004.040 | Napaumute                  |
| 1937-2            | R1.02.002.004.041 | Napakiak                   |
| 1938-0            | R1.02.002.004.042 | Napaskiak                  |
| 1939-8            | R1.02.002.004.043 | Newhalen                   |
| 1940-6            | R1.02.002.004.044 | New Stuyahok               |
| 1941-4            | R1.02.002.004.045 | Newtok                     |
| 1942-2            | R1.02.002.004.046 | Nightmute                  |
| 1943-0            | R1.02.002.004.047 | Nunapitchukv               |
| 1944-8            | R1.02.002.004.048 | Oscarville                 |
| 1945-5            | R1.02.002.004.049 | Pilot Station              |
| 1946-3            | R1.02.002.004.050 | Pitkas Point               |
| 1947-1            | R1.02.002.004.051 | Platinum                   |
| 1948-9            | R1.02.002.004.052 | Portage Creek              |
| 1949-7            | R1.02.002.004.053 | Quinhagak                  |
| 1950-5            | R1.02.002.004.054 | Red Devil                  |
| 1951-3            | R1.02.002.004.055 | St. Michael                |
| 1952-1            | R1.02.002.004.056 | Scammon Bay                |
| 1953-9            | R1.02.002.004.057 | Sheldon's Point            |
| 1954-7            | R1.02.002.004.058 | Sleetmute                  |
| 1955-4            | R1.02.002.004.059 | Stebbins                   |
| 1956-2            | R1.02.002.004.060 | Togiak                     |
| 1957-0            | R1.02.002.004.061 | Toksook                    |
| 1958-8            | R1.02.002.004.062 | Tulukskak                  |
| 1959-6            | R1.02.002.004.063 | Tuntutuliak                |
| 1960-4            | R1.02.002.004.064 | Tununak                    |
| 1961-2            | R1.02.002.004.065 | Twin Hills                 |
| 1962-0            | R1.02.002.004.066 | Georgetown                 |
| 1963-8            | R1.02.002.004.067 | St. Mary's                 |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept             |
|-------------------|-------------------|---------------------|
| 1964-6            | R1.02.002.004.068 | Umkumiate           |
| 1966-1            | R1.02.003         | Aleut               |
| 1968-7            | R1.02.003.001     | Alutiiq Aleut       |
| 1969-5            | R1.02.003.001.001 | Tatitlek            |
| 1970-3            | R1.02.003.001.002 | Ugashik             |
| 1972-9            | R1.02.003.002     | Bristol Bay Aleut   |
| 1973-7            | R1.02.003.002.001 | Chignik             |
| 1974-5            | R1.02.003.002.002 | Chignik Lake        |
| 1975-2            | R1.02.003.002.003 | Egegik              |
| 1976-0            | R1.02.003.002.004 | Igiugig             |
| 1977-8            | R1.02.003.002.005 | Ivanof Bay          |
| 1978-6            | R1.02.003.002.006 | King Salmon         |
| 1979-4            | R1.02.003.002.007 | Kokhanok            |
| 1980-2            | R1.02.003.002.008 | Perryville          |
| 1981-0            | R1.02.003.002.009 | Pilot Point         |
| 1982-8            | R1.02.003.002.010 | Port Heiden         |
| 1984-4            | R1.02.003.003     | Chugach Aleut       |
| 1985-1            | R1.02.003.003.001 | Chenega             |
| 1986-9            | R1.02.003.003.002 | Chugach Corporation |
| 1987-7            | R1.02.003.003.003 | English Bay         |
| 1988-5            | R1.02.003.003.004 | Port Graham         |
| 1990-1            | R1.02.003.004     | Eyak                |
| 1992-7            | R1.02.003.005     | Koniag Aleut        |
| 1993-5            | R1.02.003.005.001 | Akhiok              |
| 1994-3            | R1.02.003.005.002 | Agdaagux            |
| 1995-0            | R1.02.003.005.003 | Karluk              |
| 1996-8            | R1.02.003.005.004 | Kodiak              |
| 1997-6            | R1.02.003.005.005 | Larsen Bay          |
| 1998-4            | R1.02.003.005.006 | Old Harbor          |
| 1999-2            | R1.02.003.005.007 | Ouzinkie            |
| 2000-8            | R1.02.003.005.008 | Port Lions          |
| 2002-4            | R1.02.003.006     | Sugpiaq             |
| 2004-0            | R1.02.003.007     | Suqpigaaq           |
| 2006-5            | R1.02.003.008     | Unangan Aleut       |
| 2007-3            | R1.02.003.008.001 | Akutan              |
| 2008-1            | R1.02.003.008.002 | Aleut Corporation   |
| 2009-9            | R1.02.003.008.003 | Aleutian            |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept                   |
|-------------------|-------------------|---------------------------|
| 2010-7            | R1.02.003.008.004 | Aleutian Islander         |
| 2011-5            | R1.02.003.008.005 | Atka                      |
| 2012-3            | R1.02.003.008.006 | Belkofski                 |
| 2013-1            | R1.02.003.008.007 | Chignik Lagoon            |
| 2014-9            | R1.02.003.008.008 | King Cove                 |
| 2015-6            | R1.02.003.008.009 | False Pass                |
| 2016-4            | R1.02.003.008.010 | Nelson Lagoon             |
| 2017-2            | R1.02.003.008.011 | Nikolski                  |
| 2018-0            | R1.02.003.008.012 | Pauloff Harbor            |
| 2019-8            | R1.02.003.008.013 | Qagan Toyagungin          |
| 2020-6            | R1.02.003.008.014 | Qawalangin                |
| 2021-4            | R1.02.003.008.015 | St. George                |
| 2022-2            | R1.02.003.008.016 | St. Paul                  |
| 2023-0            | R1.02.003.008.017 | Sand Point                |
| 2024-8            | R1.02.003.008.018 | South Naknek              |
| 2025-5            | R1.02.003.008.019 | Unalaska                  |
| 2026-3            | R1.02.003.008.020 | Unga                      |
| 2028-9            | R2                | Asian                     |
| 2029-7            | R2.01             | Asian Indian              |
| 2030-5            | R2.02             | Bangladeshi               |
| 2031-3            | R2.03             | Bhutanese                 |
| 2032-1            | R2.04             | Burmese                   |
| 2033-9            | R2.05             | Cambodian                 |
| 2034-7            | R2.06             | Chinese                   |
| 2035-4            | R2.07             | Taiwanese                 |
| 2036-2            | R2.08             | Filipino                  |
| 2037-0            | R2.09             | Hmong                     |
| 2038-8            | R2.10             | Indonesian                |
| 2039-6            | R2.11             | Japanese                  |
| 2040-4            | R2.12             | Korean                    |
| 2041-2            | R2.13             | Laotian                   |
| 2042-0            | R2.14             | Malaysian                 |
| 2043-8            | R2.15             | Okinawan                  |
| 2044-6            | R2.16             | Pakistani                 |
| 2045-3            | R2.17             | Sri Lankan                |
| 2046-1            | R2.18             | Thai                      |
| 2047-9            | R2.19             | Vietnamese                |
| 2048-7            | R2.20             | Iwo Jiman                 |
| 2049-5            | R2.21             | Maldivian                 |
| 2050-3            | R2.22             | Nepalese                  |
| 2051-1            | R2.23             | Singaporean               |
| 2052-9            | R2.24             | Madagascar                |
| 2054-5            | R3                | Black or African American |

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**CDC Common Data Element Implementation Guide - *Draft***

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| <b>Unique Identifier</b> | <b>Hierarchical Code</b> | <b>Concept</b>                            |
|--------------------------|--------------------------|---|
| 2056-0                   | R3.01                    | Black                                     |
| 2058-6                   | R3.02                    | African American                          |
| 2060-2                   | R3.03                    | African                                   |
| 2061-0                   | R3.03.001                | Botswanan                                 |
| 2062-8                   | R3.03.002                | Ethiopian                                 |
| 2063-6                   | R3.03.003                | Liberian                                  |
| 2064-4                   | R3.03.004                | Namibian                                  |
| 2065-1                   | R3.03.005                | Nigerian                                  |
| 2066-9                   | R3.03.006                | Zairean                                   |
| 2068-5                   | R3.04                    | Barbadian                                 |
| 2069-3                   | R3.05                    | Dominican                                 |
| 2070-1                   | R3.06                    | Haitian                                   |
| 2071-9                   | R3.07                    | Jamaican                                  |
| 2072-7                   | R3.08                    | Tobagoan                                  |
| 2073-5                   | R3.09                    | Trinidadian                               |
| 2074-3                   | R3.10                    | West Indian                               |
| 2076-8                   | R4                       | Native Hawaiian or Other Pacific Islander |
| 2078-4                   | R4.01                    | Polynesian                                |
| 2079-2                   | R4.01.001                | Native Hawaiian                           |
| 2080-0                   | R4.01.002                | Samoaan                                   |
| 2081-8                   | R4.01.003                | Tahitian                                  |
| 2082-6                   | R4.01.004                | Tongan                                    |
| 2083-4                   | R4.01.005                | Tokelauan                                 |
| 2085-9                   | R4.02                    | Micronesian                               |
| 2086-7                   | R4.02.001                | Guamanian or Chamorro                     |
| 2087-5                   | R4.02.002                | Guamanian                                 |
| 2088-3                   | R4.02.003                | Chamorro                                  |
| 2089-1                   | R4.02.004                | Mariana Islander                          |
| 2090-9                   | R4.02.005                | Marshallese                               |
| 2091-7                   | R4.02.006                | Palauan                                   |
| 2092-5                   | R4.02.007                | Carolinian                                |
| 2093-3                   | R4.02.008                | Kosraean                                  |
| 2094-1                   | R4.02.009                | Pohnpeian                                 |
| 2095-8                   | R4.02.010                | Saipanese                                 |
| 2096-6                   | R4.02.011                | Kiribati                                  |
| 2097-4                   | R4.02.012                | Chuukese                                  |
| 2098-2                   | R4.02.013                | Yapese                                    |
| 2100-6                   | R4.03                    | Melanesian                                |
| 2101-4                   | R4.03.001                | Fijian                                    |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept                         |
|-------------------|-------------------|---------------------------------|
| 2102-2            | R4.03.002         | Papua New Guinean               |
| 2103-0            | R4.03.003         | Solomon Islander                |
| 2104-8            | R4.03.004         | New Hebrides                    |
| 2500-7            | R4.04             | Other Pacific Islander          |
| 2106-3            | R5                | White                           |
| 2108-9            | R5.01             | European                        |
| 2109-7            | R5.01.001         | Armenian                        |
| 2110-5            | R5.01.002         | English                         |
| 2111-3            | R5.01.003         | French                          |
| 2112-1            | R5.01.004         | German                          |
| 2113-9            | R5.01.005         | Irish                           |
| 2114-7            | R5.01.006         | Italian                         |
| 2115-4            | R5.01.007         | Polish                          |
| 2116-2            | R5.01.008         | Scottish                        |
| 2118-8            | R5.02             | Middle Eastern or North African |
| 2119-6            | R5.02.001         | Assyrian                        |
| 2120-4            | R5.02.002         | Egyptian                        |
| 2121-2            | R5.02.003         | Iranian                         |
| 2122-0            | R5.02.004         | Iraqi                           |
| 2123-8            | R5.02.005         | Lebanese                        |
| 2124-6            | R5.02.006         | Palestinian                     |
| 2125-3            | R5.02.007         | Syrian                          |
| 2126-1            | R5.02.008         | Afghanistani                    |
| 2127-9            | R5.02.009         | Israeli                         |
| 2129-5            | R5.03             | Arab                            |
| 2131-1            | R9                | Other Race                      |

### IHS Tribal Classification

| Unique Identifier | Hierarchical Code | Concept  |
|-------------------|-------------------|--|
| 4000-6            | B1                | American Indian or Alaska Native   |
| 4002-2            | B1.01             | American Indian  |
| 4004-8            | B1.01.001         | Absentee-Shawnee Tribe of Indians of Oklahoma  |
| 4005-5            | B1.01.002         | Agua Caliente Band of Cahuilla Indians of the Agua Caliente Indian Reservation, California |
| 4006-3            | B1.01.003         | Ak Chin Indian Community of the Maricopa (Ak Chin) Indian Reservation, Arizona             |
| 4007-1            | B1.01.004         | Alabama-Coushatta Tribes of Texas  |
| 4008-9            | B1.01.005         | Alabama-Quassarte Tribal Town, Oklahoma  |
| 4009-7            | B1.01.006         | Alturas Indian Rancheria, California   |



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**CDC Common Data Element Implementation Guide - *Draft***


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| <b>Unique Identifier</b> | <b>Hierarchical Code</b> | <b>Concept</b>   |
|--------------------------|--------------------------|--|
| 4010-5                   | B1.01.007                | Apache Tribe of Oklahoma   |
| 4011-3                   | B1.01.008                | Arapahoe Tribe of the Wind River Reservation, Wyoming  |
| 4012-1                   | B1.01.009                | Aroostook Band of Micmac Indians of Maine  |
| 4013-9                   | B1.01.010                | Assiniboine and Sioux Tribes of the Fort Peck Indian Reservation, Montana                                    |
| 4014-7                   | B1.01.011                | Augustine Band of Cahuilla Mission Indians of the Augustine Reservation, California                          |
| 4015-4                   | B1.01.012                | Bad River Band of the Lake Superior Tribe of Chippewa Indians of the Bad River Reservation, Wisconsin        |
| 4016-2                   | B1.01.013                | Bay Mills Indian Community of the Sault Ste. Marie Band of Chippewa Indians, Bay Mills Reservation, Michigan |
| 4017-0                   | B1.01.014                | Bear River Band of the Rohnerville Rancheria, California   |
| 4018-8                   | B1.01.015                | Berry Creek Rancheria of Maidu Indians of California   |
| 4019-6                   | B1.01.016                | Big Lagoon Rancheria, California   |
| 4020-4                   | B1.01.017                | Big Pine Band of Owens Valley Paiute Shoshone Indians of the Big Pine Reservation, California                |
| 4021-2                   | B1.01.018                | Big Sandy Rancheria of Mono Indians of California  |
| 4022-0                   | B1.01.019                | Big Valley Band of Pomo Indians of the Big Valley Rancheria, California                                      |
| 4023-8                   | B1.01.020                | Blackfeet Tribe of the Blackfeet Indian Reservation of Montana   |
| 4024-6                   | B1.01.021                | Blue Lake Rancheria, California  |
| 4025-3                   | B1.01.022                | Bridgeport Paiute Indian Colony of California  |
| 4026-1                   | B1.01.023                | Buena Vista Rancheria of Me-Wuk Indians of California  |
| 4027-9                   | B1.01.024                | Burns Paiute Tribe of the Burns Paiute Indian Colony of Oregon   |
| 4028-7                   | B1.01.025                | Cabazon Band of Cahuilla Mission Indians of the Cabazon Reservation, California                              |
| 4029-5                   | B1.01.026                | Cachil DeHe Band of Wintun Indians of the Colusa Indian Community of the Colusa Rancheria, California        |
| 4030-3                   | B1.01.027                | Caddo Indian Tribe of Oklahoma   |
| 4031-1                   | B1.01.028                | Cahuilla Band of Mission Indians of the Cahuilla Reservation, California                                     |
| 4032-9                   | B1.01.029                | Cahto Indian Tribe of the Laytonville Rancheria, California  |
| 4033-7                   | B1.01.030                | Campo Band of Diegueno Mission Indians of the Campo Indian Reservation, California                           |
| 4034-5                   | B1.01.031                | Capitan Grande Band of Diegueno Mission Indians of California:   |
| 4035-2                   | B1.01.032                | Barona Group of Capitan Grande Band of Mission Indians of the Barona Reservation, California                 |
| 4036-0                   | B1.01.033                | Viejas (Baron Long) Group of Capitan Grande Band of Mission Indians of the Viejas Reservation, California    |
| 4037-8                   | B1.01.034                | Catawba Indian Nation (aka Catawba Tribe of South Carolina)  |
| 4038-6                   | B1.01.035                | Cayuga Nation of New York  |
| 4039-4                   | B1.01.036                | Cedarville Rancheria, California   |
| 4040-2                   | B1.01.037                | Chemehuevi Indian Tribe of the Chemehuevi Reservation, California  |
| 4041-0                   | B1.01.038                | Cher-Ae Heights Indian Community of the Trinidad   |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept   |
|-------------------|-------------------|---|
| 4042-8            | B1.01.039         | Rancheria, California<br>Cherokee Nation of Oklahoma  |
| 4043-6            | B1.01.040         | Cheyenne-Arapaho Tribes of Oklahoma   |
| 4044-4            | B1.01.041         | Cheyenne River Sioux Tribe of the Cheyenne River<br>Reservation, South Dakota                         |
| 4045-1            | B1.01.042         | Chickasaw Nation, Oklahoma  |
| 4046-9            | B1.01.043         | Chicken Ranch Rancheria of Me-Wuk Indians of<br>California  |
| 4047-7            | B1.01.044         | Chippewa-Cree Indians of the Rocky Boy's<br>Reservation, Montana                                      |
| 4048-5            | B1.01.045         | Chitimacha Tribe of Louisiana   |
| 4049-3            | B1.01.046         | Choctaw Nation of Oklahoma  |
| 4050-1            | B1.01.047         | Citizen Potawatomi Nation, Oklahoma   |
| 4051-9            | B1.01.048         | Cloverdale Rancheria of Pomo Indians of California  |
| 4052-7            | B1.01.049         | Cocopah Tribe of Arizona  |
| 4053-5            | B1.01.050         | Coeur D'Alene Tribe of the Coeur D'Alene<br>Reservation, Idaho  |
| 4054-3            | B1.01.051         | Cold Springs Rancheria of Mono Indians of<br>California   |
| 4055-0            | B1.01.052         | Colorado River Indian Tribes of the Colorado River<br>Indian Reservation, Arizona and California      |
| 4056-8            | B1.01.053         | Comanche Indian Tribe, Oklahoma   |
| 4057-6            | B1.01.054         | Confederated Salish & Kootenai Tribes of the<br>Flathead Reservation, Montana                         |
| 4058-4            | B1.01.055         | Confederated Tribes of the Chehalis Reservation,<br>Washington  |
| 4059-2            | B1.01.056         | Confederated Tribes of the Colville Reservation,<br>Washington  |
| 4060-0            | B1.01.057         | Confederated Tribes of the Coos, Lower Umpqua<br>and Siuslaw Indians of Oregon                        |
| 4061-8            | B1.01.058         | Confederated Tribes of the Goshute Reservation,<br>Nevada and Utah                                    |
| 4062-6            | B1.01.059         | Confederated Tribes of the Grand Ronde<br>Community of Oregon   |
| 4063-4            | B1.01.060         | Confederated Tribes of the Siletz Reservation,<br>Oregon  |
| 4064-2            | B1.01.061         | Confederated Tribes of the Umatilla Reservation,<br>Oregon  |
| 4065-9            | B1.01.062         | Confederated Tribes of the Warm Springs<br>Reservation of Oregon                                      |
| 4066-7            | B1.01.063         | Confederated Tribes and Bands of the Yakama<br>Indian Nation of the Yakama Reservation,<br>Washington |
| 4067-5            | B1.01.064         | Coquille Tribe of Oregon  |
| 4068-3            | B1.01.065         | Cortina Indian Rancheria of Wintun Indians of<br>California   |
| 4069-1            | B1.01.066         | Coushatta Tribe of Louisiana  |
| 4070-9            | B1.01.067         | Cow Creek Band of Umpqua Indians of Oregon  |
| 4071-7            | B1.01.068         | Coyote Valley Band of Pomo Indians of California  |
| 4072-5            | B1.01.069         | Crow Tribe of Montana   |
| 4073-3            | B1.01.070         | Crow Creek Sioux Tribe of the Crow Creek<br>Reservation, South Dakota                                 |
| 4074-1            | B1.01.071         | Cuyapaipe Community of Diegueno Mission<br>Indians of the Cuyapaipe Reservation, California           |
| 4075-8            | B1.01.072         | Death Valley Timbi-Sha Shoshone Band of<br>California   |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept   |
|-------------------|-------------------|---|
| 4076-6            | B1.01.073         | Delaware Tribe of Indians, Oklahoma   |
| 4077-4            | B1.01.074         | Delaware Tribe of Western Oklahoma  |
| 4078-2            | B1.01.075         | Dry Creek Rancheria of Pomo Indians of California   |
| 4079-0            | B1.01.076         | Duckwater Shoshone Tribe of the Duckwater Reservation, Nevada   |
| 4080-8            | B1.01.077         | Eastern Band of Cherokee Indians of North Carolina  |
| 4081-6            | B1.01.078         | Eastern Shawnee Tribe of Oklahoma   |
| 4082-4            | B1.01.079         | Elem Indian Colony of Pomo Indians of the Sulphur Bank Rancheria, California                          |
| 4083-2            | B1.01.080         | Elk Valley Rancheria, California  |
| 4084-0            | B1.01.081         | Ely Shoshone Tribe of Nevada  |
| 4085-7            | B1.01.082         | Enterprise Rancheria of Maidu Indians of California   |
| 4086-5            | B1.01.083         | Flandreau Santee Sioux Tribe of South Dakota  |
| 4087-3            | B1.01.084         | Forest County Potawatomi Community of Wisconsin Potawatomi Indians, Wisconsin                         |
| 4088-1            | B1.01.085         | Fort Belknap Indian Community of the Fort Belknap Reservation of Montana                              |
| 4089-9            | B1.01.086         | Fort Bidwell Indian Community of the Fort Bidwell Reservation of California                           |
| 4090-7            | B1.01.087         | Fort Independence Indian Community of Paiute Indians of the Fort Independence Reservation, California |
| 4091-5            | B1.01.088         | Fort McDermitt Paiute and Shoshone Tribes of the Fort McDermitt Indian Reservation, Nevada and Oregon |
| 4092-3            | B1.01.089         | Fort McDowell Mohave-Apache Community of the Fort McDowell Indian Reservation, Arizona                |
| 4093-1            | B1.01.090         | Fort Mojave Indian Tribe of Arizona, California & Nevada  |
| 4094-9            | B1.01.091         | Fort Sill Apache Tribe of Oklahoma  |
| 4095-6            | B1.01.092         | Gila River Indian Community of the Gila River Indian Reservation, Arizona                             |
| 4096-4            | B1.01.093         | Grand Traverse Band of Ottawa & Chippewa Indians of Michigan  |
| 4097-2            | B1.01.094         | Greenville Rancheria of Maidu Indians of California   |
| 4098-0            | B1.01.095         | Grindstone Indian Rancheria of Wintun-Wailaki Indians of California                                   |
| 4099-8            | B1.01.096         | Guidiville Rancheria of California  |
| 4100-4            | B1.01.097         | Hannahville Indian Community of Wisconsin Potawatomi Indians of Michigan                              |
| 4101-2            | B1.01.098         | Havasupai Tribe of the Havasupai Reservation, Arizona   |
| 4102-0            | B1.01.099         | Ho-Chunk Nation of Wisconsin (formerly known as the Wisconsin Winnebago Tribe)                        |
| 4103-8            | B1.01.100         | Hoh Indian Tribe of the Hoh Indian Reservation, Washington  |
| 4104-6            | B1.01.101         | Hoopa Valley Tribe, California  |
| 4105-3            | B1.01.102         | Hopi Tribe of Arizona   |
| 4106-1            | B1.01.103         | Hopland Band of Pomo Indians of the Hopland Rancheria, California                                     |
| 4107-9            | B1.01.104         | Houlton Band of Maliseet Indians of Maine   |
| 4108-7            | B1.01.105         | Hualapai Indian Tribe of the Hualapai Indian Reservation, Arizona                                     |
| 4109-5            | B1.01.106         | Huron Potawatomi, Inc., Michigan  |
| 4110-3            | B1.01.107         | Inaja Band of Diegueno Mission Indians of the Inaja   |

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**CDC Common Data Element Implementation Guide - *Draft***


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| Unique Identifier | Hierarchical Code | Concept   |
|-------------------|-------------------|---|
| 4111-1            | B1.01.108         | and Cosmit Reservation, California<br>Ione Band of Miwok Indians of California  |
| 4112-9            | B1.01.109         | Iowa Tribe of Kansas and Nebraska   |
| 4113-7            | B1.01.110         | Iowa Tribe of Oklahoma  |
| 4114-5            | B1.01.111         | Jackson Rancheria of Me-Wuk Indians of California   |
| 4115-2            | B1.01.112         | Jamestown S'Klallam Tribe of Washington   |
| 4116-0            | B1.01.113         | Jamul Indian Village of California  |
| 4117-8            | B1.01.114         | Jena Band of Choctaw Indians, Louisiana   |
| 4118-6            | B1.01.115         | Jicarilla Apache Tribe of the Jicarilla Apache Indian<br>Reservation, New Mexico  |
| 4119-4            | B1.01.116         | Kaibab Band of Paiute Indians of the Kaibab Indian<br>Reservation, Arizona  |
| 4120-2            | B1.01.117         | Kalispel Indian Community of the Kalispel<br>Reservation, Washington  |
| 4121-0            | B1.01.118         | Karuk Tribe of California   |
| 4122-8            | B1.01.119         | Kashia Band of Pomo Indians of the Stewarts Point<br>Rancheria, California  |
| 4123-6            | B1.01.120         | Kaw Nation, Oklahoma  |
| 4124-4            | B1.01.121         | Keweenaw Bay Indian Community of L'Anse and<br>Ontonagon Bands of Chippewa Indians of the<br>L'Anse Reservation, Michigan |
| 4125-1            | B1.01.122         | Kialegee Tribal Town, Oklahoma  |
| 4126-9            | B1.01.123         | Kickapoo Tribe of Indians of the Kickapoo<br>Reservation in Kansas  |
| 4127-7            | B1.01.124         | Kickapoo Tribe of Oklahoma  |
| 4128-5            | B1.01.125         | Kickapoo Traditional Tribe of Texas   |
| 4129-3            | B1.01.126         | Kiowa Indian Tribe of Oklahoma  |
| 4130-1            | B1.01.127         | Klamath Indian Tribe of Oregon  |
| 4131-9            | B1.01.128         | Kootenai Tribe of Idaho   |
| 4132-7            | B1.01.129         | La Jolla Band of Luiseno Mission Indians of the La<br>Jolla Reservation, California                                       |
| 4133-5            | B1.01.130         | La Posta Band of Diegueno Mission Indians of the<br>La Posta Indian Reservation, California                               |
| 4134-3            | B1.01.131         | Lac Courte Oreilles Band of Lake Superior<br>Chippewa Indians of the Lac Courte Oreilles<br>Reservation of Wisconsin      |
| 4135-0            | B1.01.132         | Lac du Flambeau Band of Lake Superior Chippewa<br>Indians of the Lac du Flambeau Reservation of<br>Wisconsin              |
| 4136-8            | B1.01.133         | Lac Vieux Desert Band of Lake Superior Chippewa<br>Indians of Michigan  |
| 4137-6            | B1.01.134         | Las Vegas Tribe of Paiute Indians of the Las Vegas<br>Indian Colony, Nevada   |
| 4138-4            | B1.01.135         | Little River Band of Ottawa Indians of Michigan   |
| 4139-2            | B1.01.136         | Little Traverse Bay Bands of Odawa Indians of<br>Michigan   |
| 4140-0            | B1.01.137         | Los Coyotes Band of Cahuilla Mission Indians of<br>the Los Coyotes Reservation, California                                |
| 4141-8            | B1.01.138         | Lovelock Paiute Tribe of the Lovelock Indian<br>Colony, Nevada  |
| 4142-6            | B1.01.139         | Lower Brule Sioux Tribe of the Lower Brule<br>Reservation, South Dakota   |
| 4143-4            | B1.01.140         | Lower Elwha Tribal Community of the Lower Elwha<br>Reservation, Washington  |
| 4144-2            | B1.01.141         | Lower Sioux Indian Community of Minnesota<br>Mdewakanton Sioux Indians of the Lower Sioux                                 |

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**CDC Common Data Element Implementation Guide - *Draft***

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| Unique Identifier | Hierarchical Code | Concept   |
|-------------------|-------------------|---|
| 4145-9            | B1.01.142         | Reservation in Minnesota<br>Lummi Tribe of the Lummi Reservation, Washington  |
| 4146-7            | B1.01.143         | Lytton Rancheria of California  |
| 4147-5            | B1.01.144         | Makah Indian Tribe of the Makah Indian Reservation, Washington  |
| 4148-3            | B1.01.145         | Manchester Band of Pomo Indians of the Manchester-Point Arena Rancheria, California   |
| 4149-1            | B1.01.146         | Manzanita Band of Diegueno Mission Indians of the Manzanita Reservation, California   |
| 4150-9            | B1.01.147         | Mashantucket Pequot Tribe of Connecticut  |
| 4151-7            | B1.01.148         | Mechoopda Indian Tribe of Chico Rancheria, California   |
| 4152-5            | B1.01.149         | Menominee Indian Tribe of Wisconsin   |
| 4153-3            | B1.01.150         | Mesa Grande Band of Diegueno Mission Indians of the Mesa Grande Reservation, California   |
| 4154-1            | B1.01.151         | Mescalero Apache Tribe of the Mescalero Reservation, New Mexico   |
| 4155-8            | B1.01.152         | Miami Tribe of Oklahoma   |
| 4156-6            | B1.01.153         | Miccosukee Tribe of Indians of Florida  |
| 4157-4            | B1.01.154         | Middletown Rancheria of Pomo Indians of California  |
| 4158-2            | B1.01.155         | Minnesota Chippewa Tribe, Minnesota (Six component reservations: Bois Forte Band (Nett Lake); Fond du Lac Band; Grand Portage Band; Leech Lake Band; Mille Lacs Band; White Earth Band) |
| 4159-0            | B1.01.156         | Mississippi Band of Choctaw Indians, Mississippi  |
| 4160-8            | B1.01.157         | Moapa Band of Paiute Indians of the Moapa River Indian Reservation, Nevada  |
| 4161-6            | B1.01.158         | Modoc Tribe of Oklahoma   |
| 4162-4            | B1.01.159         | Mohegan Indian Tribe of Connecticut   |
| 4163-2            | B1.01.160         | Mooretown Rancheria of Maidu Indians of California  |
| 4164-0            | B1.01.161         | Morongo Band of Cahuilla Mission Indians of the Morongo Reservation, California   |
| 4165-7            | B1.01.162         | Muckleshoot Indian Tribe of the Muckleshoot Reservation, Washington   |
| 4166-5            | B1.01.163         | Muscogee (Creek) Nation, Oklahoma   |
| 4167-3            | B1.01.164         | Narragansett Indian Tribe of Rhode Island   |
| 4168-1            | B1.01.165         | Navajo Nation of Arizona, New Mexico & Utah   |
| 4169-9            | B1.01.166         | Nez Perce Tribe of Idaho  |
| 4170-7            | B1.01.167         | Nisqually Indian Tribe of the Nisqually Reservation, Washington   |
| 4171-5            | B1.01.168         | Nooksack Indian Tribe of Washington   |
| 4172-3            | B1.01.169         | Northern Cheyenne Tribe of the Northern Cheyenne Indian Reservation, Montana  |
| 4173-1            | B1.01.170         | Northfork Rancheria of Mono Indians of California   |
| 4174-9            | B1.01.171         | Northwestern Band of Shoshoni Nation of Utah (Washakie)   |
| 4175-6            | B1.01.172         | Oglala Sioux Tribe of the Pine Ridge Reservation, South Dakota  |
| 4176-4            | B1.01.173         | Omaha Tribe of Nebraska   |
| 4177-2            | B1.01.174         | Oneida Nation of New York   |
| 4178-0            | B1.01.175         | Oneida Tribe of Wisconsin   |

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**CDC Common Data Element Implementation Guide - *Draft***


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| <b>Unique Identifier</b> | <b>Hierarchical Code</b> | <b>Concept</b>   |
|--------------------------|--------------------------|--|
| 4179-8                   | B1.01.176                | Onondaga Nation of New York  |
| 4180-6                   | B1.01.177                | Osage Tribe, Oklahoma  |
| 4181-4                   | B1.01.178                | Ottawa Tribe of Oklahoma   |
| 4182-2                   | B1.01.179                | Otoe-Missouria Tribe of Indians, Oklahoma  |
| 4183-0                   | B1.01.180                | Paiute Indian Tribe of Utah  |
| 4184-8                   | B1.01.181                | Paiute-Shoshone Indians of the Bishop Community of the Bishop Colony, California                                       |
| 4185-5                   | B1.01.182                | Paiute-Shoshone Tribe of the Fallon Reservation and Colony, Nevada   |
| 4186-3                   | B1.01.183                | Paiute-Shoshone Indians of the Lone Pine Community of the Lone Pine Reservation, California                            |
| 4187-1                   | B1.01.184                | Pala Band of Luiseno Mission Indians of the Pala Reservation, California   |
| 4188-9                   | B1.01.185                | Pascua Yaqui Tribe of Arizona  |
| 4189-7                   | B1.01.186                | Paskenta Band of Nomlaki Indians of California   |
| 4190-5                   | B1.01.187                | Passamaquoddy Tribe of Maine   |
| 4191-3                   | B1.01.188                | Pauma Band of Luiseno Mission Indians of the Pauma & Yuima Reservation, California                                     |
| 4192-1                   | B1.01.189                | Pawnee Nation of Oklahoma  |
| 4193-9                   | B1.01.190                | Pechanga Band of Luiseno Mission Indians of the Pechanga Reservation, California                                       |
| 4194-7                   | B1.01.191                | Penobscot Tribe of Maine   |
| 4195-4                   | B1.01.192                | Peoria Tribe of Indians of Oklahoma  |
| 4196-2                   | B1.01.193                | Picayune Rancheria of Chukchansi Indians of California   |
| 4197-0                   | B1.01.194                | Pinoleville Rancheria of Pomo Indians of California  |
| 4198-8                   | B1.01.195                | Pit River Tribe, California (includes Big Bend, Lookout, Montgomery Creek & Roaring Creek Rancherias & XL Ranch)       |
| 4199-6                   | B1.01.196                | Poarch Band of Creek Indians of Alabama  |
| 4200-2                   | B1.01.197                | Pokagon Band of Potawatomi Indians of Michigan   |
| 4201-0                   | B1.01.198                | Ponca Tribe of Indians of Oklahoma   |
| 4202-8                   | B1.01.199                | Ponca Tribe of Nebraska  |
| 4203-6                   | B1.01.200                | Port Gamble Indian Community of the Port Gamble Reservation, Washington  |
| 4204-4                   | B1.01.201                | Potter Valley Rancheria of Pomo Indians of California  |
| 4205-1                   | B1.01.202                | Prairie Band of Potawatomi Indians, Kansas   |
| 4206-9                   | B1.01.203                | Prairie Island Indian Community of Minnesota<br>Mdewakanton Sioux Indians of the Prairie Island Reservation, Minnesota |
| 4207-7                   | B1.01.204                | Pueblo of Acoma, New Mexico  |
| 4208-5                   | B1.01.205                | Pueblo of Cochiti, New Mexico  |
| 4209-3                   | B1.01.206                | Pueblo of Jemez, New Mexico  |
| 4210-1                   | B1.01.207                | Pueblo of Isleta, New Mexico   |
| 4211-9                   | B1.01.208                | Pueblo of Laguna, New Mexico   |
| 4212-7                   | B1.01.209                | Pueblo of Nambe, New Mexico  |
| 4213-5                   | B1.01.210                | Pueblo of Picuris, New Mexico  |
| 4214-3                   | B1.01.211                | Pueblo of Pojoaque, New Mexico   |
| 4215-0                   | B1.01.212                | Pueblo of San Felipe, New Mexico   |
| 4216-8                   | B1.01.213                | Pueblo of San Juan, New Mexico   |

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**CDC Common Data Element Implementation Guide - *Draft***


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| <b>Unique Identifier</b> | <b>Hierarchical Code</b> | <b>Concept</b>   |
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| 4217-6                   | B1.01.214                | Pueblo of San Ildefonso, New Mexico  |
| 4218-4                   | B1.01.215                | Pueblo of Sandia, New Mexico   |
| 4219-2                   | B1.01.216                | Pueblo of Santa Ana, New Mexico  |
| 4220-0                   | B1.01.217                | Pueblo of Santa Clara, New Mexico  |
| 4221-8                   | B1.01.218                | Pueblo of Santo Domingo, New Mexico  |
| 4222-6                   | B1.01.219                | Pueblo of Taos, New Mexico   |
| 4223-4                   | B1.01.220                | Pueblo of Tesuque, New Mexico  |
| 4224-2                   | B1.01.221                | Pueblo of Zia, New Mexico  |
| 4225-9                   | B1.01.222                | Puyallup Tribe of the Puyallup Reservation, Washington   |
| 4226-7                   | B1.01.223                | Pyramid Lake Paiute Tribe of the Pyramid Lake Reservation, Nevada  |
| 4227-5                   | B1.01.224                | Quapaw Tribe of Indians, Oklahoma  |
| 4228-3                   | B1.01.225                | Quartz Valley Indian Community of the Quartz Valley Reservation of California  |
| 4229-1                   | B1.01.226                | Quechan Tribe of the Fort Yuma Indian Reservation, California & Arizona  |
| 4230-9                   | B1.01.227                | Quileute Tribe of the Quileute Reservation, Washington   |
| 4231-7                   | B1.01.228                | Quinault Tribe of the Quinault Reservation, Washington   |
| 4232-5                   | B1.01.229                | Ramona Band or Village of Cahuilla Mission Indians of California   |
| 4233-3                   | B1.01.230                | Red Cliff Band of Lake Superior Chippewa Indians of Wisconsin  |
| 4234-1                   | B1.01.231                | Red Lake Band of Chippewa Indians of the Red Lake Reservation, Minnesota   |
| 4235-8                   | B1.01.232                | Redding Rancheria, California  |
| 4236-6                   | B1.01.233                | Redwood Valley Rancheria of Pomo Indians of California   |
| 4237-4                   | B1.01.234                | Reno-Sparks Indian Colony, Nevada  |
| 4238-2                   | B1.01.235                | Resighini Rancheria, California (formerly known as the Coast Indian Community of Yurok Indians of the Resighini Rancheria) |
| 4239-0                   | B1.01.236                | Rincon Band of Luiseno Mission Indians of the Rincon Reservation, California   |
| 4240-8                   | B1.01.237                | Robinson Rancheria of Pomo Indians of California   |
| 4241-6                   | B1.01.238                | Rosebud Sioux Tribe of the Rosebud Indian Reservation, South Dakota  |
| 4242-4                   | B1.01.239                | Round Valley Indian Tribes of the Round Valley Reservation, California (formerly known as the Covelo Indian Community)     |
| 4243-2                   | B1.01.240                | Rumsey Indian Rancheria of Wintun Indians of California  |
| 4244-0                   | B1.01.241                | Sac & Fox Tribe of the Mississippi in Iowa   |
| 4245-7                   | B1.01.242                | Sac & Fox Nation of Missouri in Kansas and Nebraska  |
| 4246-5                   | B1.01.243                | Sac & Fox Nation, Oklahoma   |
| 4247-3                   | B1.01.244                | Saginaw Chippewa Indian Tribe of Michigan, Isabella Reservation  |
| 4248-1                   | B1.01.245                | Salt River Pima-Maricopa Indian Community of the Salt River Reservation, Arizona   |
| 4249-9                   | B1.01.246                | Samish Indian Tribe, Washington  |
| 4250-7                   | B1.01.247                | San Carlos Apache Tribe of the San Carlos Reservation, Arizona   |
| 4251-5                   | B1.01.248                | San Juan Southern Paiute Tribe of Arizona  |

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**CDC Common Data Element Implementation Guide - *Draft***


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| <b>Unique Identifier</b> | <b>Hierarchical Code</b> | <b>Concept</b>  |
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| 4252-3                   | B1.01.249                | San Manual Band of Serrano Mission Indians of the San Manual Reservation, California        |
| 4253-1                   | B1.01.250                | San Pasqual Band of Diegueno Mission Indians of California                                  |
| 4254-9                   | B1.01.251                | Santa Rosa Indian Community of the Santa Rosa Rancheria, California                         |
| 4255-6                   | B1.01.252                | Santa Rosa Band of Cahuilla Mission Indians of the Santa Rosa Reservation, California       |
| 4256-4                   | B1.01.253                | Santa Ynez Band of Chumash Mission Indians of the Santa Ynez Reservation, California        |
| 4257-2                   | B1.01.254                | Santa Ysabel Band of Diegueno Mission Indians of the Santa Ysabel Reservation, California   |
| 4258-0                   | B1.01.255                | Santee Sioux Tribe of the Santee Reservation of Nebraska                                    |
| 4259-8                   | B1.01.256                | Sauk-Suiattle Indian Tribe of Washington  |
| 4260-6                   | B1.01.257                | Sault Ste. Marie Tribe of Chippewa Indians of Michigan                                      |
| 4261-4                   | B1.01.258                | Scotts Valley Band of Pomo Indians of California  |
| 4262-2                   | B1.01.259                | Seminole Nation of Oklahoma   |
| 4263-0                   | B1.01.260                | Seminole Tribe of Florida, Dania, Big Cypress, Brighton, Hollywood & Tampa Reservations     |
| 4264-8                   | B1.01.261                | Seneca Nation of New York   |
| 4265-5                   | B1.01.262                | Seneca-Cayuga Tribe of Oklahoma   |
| 4266-3                   | B1.01.263                | Shakopee Mdewakanton Sioux Community of Minnesota (Prior Lake)                              |
| 4267-1                   | B1.01.264                | Sheep Ranch Rancheria of Me-Wuk Indians of California                                       |
| 4268-9                   | B1.01.265                | Sherwood Valley Rancheria of Pomo Indians of California                                     |
| 4269-7                   | B1.01.266                | Shingle Springs Band of Miwok Indians, Shingle Springs Rancheria (Verona Tract), California |
| 4270-5                   | B1.01.267                | Shoalwater Bay Tribe of the Shoalwater Bay Indian Reservation, Washington                   |
| 4271-3                   | B1.01.268                | Shoshone Tribe of the Wind River Reservation, Wyoming                                       |
| 4272-1                   | B1.01.269                | Shoshone-Bannock Tribes of the Fort Hall Reservation of Idaho                               |
| 4273-9                   | B1.01.270                | Shoshone-Paiute Tribes of the Duck Valley Reservation, Nevada                               |
| 4274-7                   | B1.01.271                | Sisseton-Wahpeton Sioux Tribe of the Lake Traverse Reservation, South Dakota                |
| 4275-4                   | B1.01.272                | Skokomish Indian Tribe of the Skokomish Reservation, Washington                             |
| 4276-2                   | B1.01.273                | Skull Valley Band of Goshute Indians of Utah  |
| 4277-0                   | B1.01.274                | Smith River Rancheria, California   |
| 4278-8                   | B1.01.275                | Soboba Band of Luiseno Mission Indians of the Soboba Reservation, California                |
| 4279-6                   | B1.01.276                | Sokaogon Chippewa Community of the Mole Lake Band of Chippewa Indians, Wisconsin            |
| 4280-4                   | B1.01.277                | Southern Ute Indian Tribe of the Southern Ute Reservation, Colorado                         |
| 4281-2                   | B1.01.278                | Spirit Lake Tribe, North Dakota (formerly known as the Devils Lake Sioux Tribe)             |
| 4282-0                   | B1.01.279                | Spokane Tribe of the Spokane Reservation, Washington  |
| 4283-8                   | B1.01.280                | Squaxin Island Tribe of the Squaxin Island Reservation, Washington                          |
| 4284-6                   | B1.01.281                | St. Croix Chippewa Indians of Wisconsin, St. Croix Reservation                              |



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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept  |
|-------------------|-------------------|--|
| 4285-3            | B1.01.282         | St. Regis Band of Mohawk Indians of New York   |
| 4286-1            | B1.01.283         | Standing Rock Sioux Tribe of North & South Dakota  |
| 4287-9            | B1.01.284         | Stockbridge-Munsee Community of Mohican Indians of Wisconsin   |
| 4288-7            | B1.01.285         | Stillaguamish Tribe of Washington  |
| 4289-5            | B1.01.286         | Summit Lake Paiute Tribe of Nevada   |
| 4290-3            | B1.01.287         | Suquamish Indian Tribe of the Port Madison Reservation, Washington   |
| 4291-1            | B1.01.288         | Susanville Indian Rancheria, California  |
| 4292-9            | B1.01.289         | Swinomish Indians of the Swinomish Reservation, Washington   |
| 4293-7            | B1.01.290         | Sycuan Band of Diegueno Mission Indians of California  |
| 4294-5            | B1.01.291         | Table Bluff Reservation - Wiyot Tribe, California  |
| 4295-2            | B1.01.292         | Table Mountain Rancheria of California   |
| 4296-0            | B1.01.293         | Te-Moak Tribes of Western Shoshone Indians of Nevada (Four constituent bands: Battle Mountain Band; Elko Band; South Fork Band and Wells Band) |
| 4297-8            | B1.01.294         | Thlopthlocco Tribal Town, Oklahoma   |
| 4298-6            | B1.01.295         | Three Affiliated Tribes of the Fort Berthold Reservation, North Dakota   |
| 4299-4            | B1.01.296         | Tohono O'odham Nation of Arizona   |
| 4300-0            | B1.01.297         | Tonawanda Band of Seneca Indians of New York   |
| 4301-8            | B1.01.298         | Tonkawa Tribe of Indians of Oklahoma   |
| 4302-6            | B1.01.299         | Tonto Apache Tribe of Arizona  |
| 4303-4            | B1.01.300         | Torres-Martinez Band of Cahuilla Mission Indians of California   |
| 4304-2            | B1.01.301         | Tule River Indian Tribe of the Tule River Reservation, California  |
| 4305-9            | B1.01.302         | Tulalip Tribes of the Tulalip Reservation, Washington  |
| 4306-7            | B1.01.303         | Tunica-Biloxi Indian Tribe of Louisiana  |
| 4307-5            | B1.01.304         | Tuolumne Band of Me-Wuk Indians of the Tuolumne Rancheria of California  |
| 4308-3            | B1.01.305         | Turtle Mountain Band of Chippewa Indians of North Dakota   |
| 4309-1            | B1.01.306         | Tuscarora Nation of New York   |
| 4310-9            | B1.01.307         | Twenty-Nine Palms Band of Luiseno Mission Indians of California  |
| 4311-7            | B1.01.308         | United Auburn Indian Community of the Auburn Rancheria of California   |
| 4312-5            | B1.01.309         | United Keetoowah Band of Cherokee Indians of Oklahoma  |
| 4313-3            | B1.01.310         | Upper Lake Band of Pomo Indians of Upper Lake Rancheria of California  |
| 4314-1            | B1.01.311         | Upper Sioux Indian Community of the Upper Sioux Reservation, Minnesota   |
| 4315-8            | B1.01.312         | Upper Skagit Indian Tribe of Washington  |
| 4316-6            | B1.01.313         | Ute Indian Tribe of the Uintah & Ouray Reservation, Utah   |
| 4317-4            | B1.01.314         | Ute Mountain Tribe of the Ute Mountain Reservation, Colorado, New Mexico & Utah  |
| 4318-2            | B1.01.315         | Utuhwaitu Paiute Tribe of the Benton Paiute Reservation, California  |
| 4319-0            | B1.01.316         | Walker River Paiute Tribe of the Walker River  |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept   |
|-------------------|-------------------|---|
| 4320-8            | B1.01.317         | Reservation, Nevada<br>Wampanoag Tribe of Gay Head (Aquinnah) of Massachusetts  |
| 4321-6            | B1.01.318         | Washoe Tribe of Nevada & California (Carson Colony, Dresslerville Colony, Woodfords Community, Stewart Community, Washoe Ranches) |
| 4322-4            | B1.01.319         | White Mountain Apache Tribe of the Fort Apache Reservation, Arizona   |
| 4323-2            | B1.01.320         | Wichita and Affiliated Tribes (Wichita, Keechi, Waco & Tawakonie), Oklahoma   |
| 4324-0            | B1.01.321         | Winnebago Tribe of Nebraska   |
| 4325-7            | B1.01.322         | Winnemucca Indian Colony of Nevada  |
| 4326-5            | B1.01.323         | Wyandotte Tribe of Oklahoma   |
| 4327-3            | B1.01.324         | Yankton Sioux Tribe of South Dakota   |
| 4328-1            | B1.01.325         | Yavapai-Apache Nation of the Camp Verde Indian Reservation, Arizona   |
| 4329-9            | B1.01.326         | Yavapai-Prescott Tribe of the Yavapai Reservation, Arizona  |
| 4330-7            | B1.01.327         | Yerington Paiute Tribe of the Yerington Colony & Campbell Ranch, Nevada   |
| 4331-5            | B1.01.328         | Yomba Shoshone Tribe of the Yomba Reservation, Nevada   |
| 4332-3            | B1.01.329         | Ysleta Del Sur Pueblo of Texas  |
| 4333-1            | B1.01.330         | Yurok Tribe of the Yurok Reservation, California  |
| 4334-9            | B1.01.331         | Zuni Tribe of the Zuni Reservation, New Mexico  |
| 4335-6            | B1.01.332         | Other American Indian Tribal Entity   |
| 4337-2            | B1.02             | Alaska Native   |
| 4339-8            | B1.02.001         | Village of Afognak  |
| 4340-6            | B1.02.002         | Native Village of Akhiok  |
| 4341-4            | B1.02.003         | Akiachak Native Community   |
| 4342-2            | B1.02.004         | Akiak Native Community  |
| 4343-0            | B1.02.005         | Native Village of Akutan  |
| 4344-8            | B1.02.006         | Village of Alakanuk   |
| 4345-5            | B1.02.007         | Alatna Village  |
| 4346-3            | B1.02.008         | Native Village of Aleknagik   |
| 4347-1            | B1.02.009         | Algaaciq Native Village (St. Mary's)  |
| 4348-9            | B1.02.010         | Allakaket Village   |
| 4349-7            | B1.02.011         | Native Village of Ambler  |
| 4350-5            | B1.02.012         | Village of Anaktuvuk Pass   |
| 4351-3            | B1.02.013         | Yupit of Andreafski   |
| 4352-1            | B1.02.014         | Angoon Community Association  |
| 4353-9            | B1.02.015         | Village of Aniak  |
| 4354-7            | B1.02.016         | Anvik Village   |
| 4355-4            | B1.02.017         | Arctic Village (See Native Village of Venetie Tribal Government)  |
| 4356-2            | B1.02.018         | Native Village of Atka  |
| 4357-0            | B1.02.019         | Asa'carsarmiut Tribe (formerly Native Village of Mountain Village)  |
| 4358-8            | B1.02.020         | Atkasuk Village (Atkasook)  |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept   |
|-------------------|-------------------|---|
| 4359-6            | B1.02.021         | Village of Atmautluak   |
| 4360-4            | B1.02.022         | Native Village of Barrow Inupiat Traditional Government (formerly Native Village of Barrow) |
| 4361-2            | B1.02.023         | Beaver Village  |
| 4362-0            | B1.02.024         | Native Village of Belkofski   |
| 4363-8            | B1.02.025         | Village of Bill Moore's Slough  |
| 4364-6            | B1.02.026         | Birch Creek Village   |
| 4365-3            | B1.02.027         | Native Village of Brevig Mission  |
| 4366-1            | B1.02.028         | Native Village of Buckland  |
| 4367-9            | B1.02.029         | Native Village of Cantwell  |
| 4368-7            | B1.02.030         | Native Village of Chanega (aka Chenega)   |
| 4369-5            | B1.02.031         | Chalkyitsik Village   |
| 4370-3            | B1.02.032         | Village of Cheformak  |
| 4371-1            | B1.02.033         | Chevak Native Village   |
| 4372-9            | B1.02.034         | Chickaloon Native Village   |
| 4373-7            | B1.02.035         | Native Village of Chignik   |
| 4374-5            | B1.02.036         | Native Village of Chignik Lagoon  |
| 4375-2            | B1.02.037         | Chignik Lake Village  |
| 4376-0            | B1.02.038         | Chilkat Indian Village (Kluckwan)   |
| 4377-8            | B1.02.039         | Chilkoot Indian Association (Haines)  |
| 4378-6            | B1.02.040         | Chinik Eskimo Community (Golovin)   |
| 4379-4            | B1.02.041         | Native Village of Chistochina   |
| 4380-2            | B1.02.042         | Native Village of Chitina   |
| 4381-0            | B1.02.043         | Native Village of Chuathbaluk (Russian Mission, Kuskokwim)                                  |
| 4382-8            | B1.02.044         | Chuloonawick Native Village   |
| 4383-6            | B1.02.045         | Circle Native Community   |
| 4384-4            | B1.02.046         | Village of Clark's Point  |
| 4385-1            | B1.02.047         | Native Village of Council   |
| 4386-9            | B1.02.048         | Craig Community Association   |
| 4387-7            | B1.02.049         | Village of Crooked Creek  |
| 4388-5            | B1.02.050         | Curyung Tribal Council (formerly Native Village of Dillingham)                              |
| 4389-3            | B1.02.051         | Native Village of Deering   |
| 4390-1            | B1.02.052         | Native Village of Diomedea (aka Inalik)   |
| 4391-9            | B1.02.053         | Village of Dot Lake   |
| 4392-7            | B1.02.054         | Douglas Indian Association  |
| 4393-5            | B1.02.055         | Native Village of Eagle   |
| 4394-3            | B1.02.056         | Native Village of Eek   |
| 4395-0            | B1.02.057         | Egegik Village  |
| 4396-8            | B1.02.058         | Eklutna Native Village  |
| 4397-6            | B1.02.059         | Native Village of Ekuk  |
| 4398-4            | B1.02.060         | Ekwok Village   |
| 4399-2            | B1.02.061         | Native Village of Elim  |
| 4400-8            | B1.02.062         | Emmonak Village   |
| 4401-6            | B1.02.063         | Evansville Village (aka Bettles Field)  |
| 4402-4            | B1.02.064         | Native Village of Eyak (Cordova)  |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept   |
|-------------------|-------------------|---|
| 4403-2            | B1.02.065         | Native Village of False Pass  |
| 4404-0            | B1.02.066         | Native Village of Fort Yukon  |
| 4405-7            | B1.02.067         | Native Village of Gakona  |
| 4406-5            | B1.02.068         | Galena Village (aka Louden Village)                                       |
| 4407-3            | B1.02.069         | Native Village of Gambell   |
| 4408-1            | B1.02.070         | Native Village of Georgetown  |
| 4409-9            | B1.02.071         | Native Village of Goodnews Bay  |
| 4410-7            | B1.02.072         | Organized Village of Grayling (aka Holikachuk)                            |
| 4411-5            | B1.02.073         | Gulkana Village   |
| 4412-3            | B1.02.074         | Native Village of Hamilton  |
| 4413-1            | B1.02.075         | Healy Lake Village  |
| 4414-9            | B1.02.076         | Holy Cross Village  |
| 4415-6            | B1.02.077         | Hoonah Indian Association   |
| 4416-4            | B1.02.078         | Native Village of Hooper Bay  |
| 4417-2            | B1.02.079         | Hughes Village  |
| 4418-0            | B1.02.080         | Huslia Village  |
| 4419-8            | B1.02.081         | Hydaburg Cooperative Association  |
| 4420-6            | B1.02.082         | Igiugig Village   |
| 4421-4            | B1.02.083         | Village of Iliamna  |
| 4422-2            | B1.02.084         | Inupiat Community of the Arctic Slope                                     |
| 4423-0            | B1.02.085         | Iqurmuit Traditional Council (formerly Native Village of Russian Mission) |
| 4424-8            | B1.02.086         | Ivanoff Bay Village   |
| 4425-5            | B1.02.087         | Kaguyak Village   |
| 4426-3            | B1.02.088         | Organized Village of Kake   |
| 4427-1            | B1.02.089         | Kaktovik Village (aka Barter Island)                                      |
| 4428-9            | B1.02.090         | Village of Kalskag  |
| 4429-7            | B1.02.091         | Village of Kaltag   |
| 4430-5            | B1.02.092         | Native Village of Kanatak   |
| 4431-3            | B1.02.093         | Native Village of Karluk  |
| 4432-1            | B1.02.094         | Organized Village of Kasaan   |
| 4433-9            | B1.02.095         | Native Village of Kasigluk  |
| 4434-7            | B1.02.096         | Kenaitze Indian Tribe   |
| 4435-4            | B1.02.097         | Ketchikan Indian Corporation  |
| 4436-2            | B1.02.098         | Native Village of Kiana   |
| 4437-0            | B1.02.099         | Agdaagux Tribe of King Cove   |
| 4438-8            | B1.02.100         | King Island Native Community  |
| 4439-6            | B1.02.101         | Native Village of Kipnuk  |
| 4440-4            | B1.02.102         | Native Village of Kivalina  |
| 4441-2            | B1.02.103         | Klawock Cooperative Association   |
| 4442-0            | B1.02.104         | Native Village of Kluti Kaah (aka Copper Center)                          |
| 4443-8            | B1.02.105         | Knik Tribe  |
| 4444-6            | B1.02.106         | Native Village of Kobuk   |
| 4445-3            | B1.02.107         | Kokhanok Village  |
| 4446-1            | B1.02.108         | New Koliganek Village Council (formerly Koliganek Village)                |
| 4447-9            | B1.02.109         | Native Village of Kongiganak  |

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**CDC Common Data Element Implementation Guide - *Draft***

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| <b>Unique Identifier</b> | <b>Hierarchical Code</b> | <b>Concept</b>  |
|--------------------------|--------------------------|---|
| 4448-7                   | B1.02.110                | Village of Kotlik   |
| 4449-5                   | B1.02.111                | Native Village of Kotzebue                                    |
| 4450-3                   | B1.02.112                | Native Village of Koyuk                                       |
| 4451-1                   | B1.02.113                | Koyukuk Native Village  |
| 4452-9                   | B1.02.114                | Organized Village of Kwethluk                                 |
| 4453-7                   | B1.02.115                | Native Village of Kwigillingok                                |
| 4454-5                   | B1.02.116                | Native Village of Kwinhagak (aka Quinhagak)                   |
| 4455-2                   | B1.02.117                | Native Village of Larsen Bay                                  |
| 4456-0                   | B1.02.118                | Levelock Village  |
| 4457-8                   | B1.02.119                | Lesnoi Village (aka Woody Island)                             |
| 4458-6                   | B1.02.120                | Lime Village  |
| 4459-4                   | B1.02.121                | Village of Lower Kalskag                                      |
| 4460-2                   | B1.02.122                | Manley Hot Springs Village                                    |
| 4461-0                   | B1.02.123                | Manokotak Village   |
| 4462-8                   | B1.02.124                | Native Village of Marshall (aka Fortuna Ledge)                |
| 4463-6                   | B1.02.125                | Native Village of Mary's Igloo                                |
| 4464-4                   | B1.02.126                | McGrath Native Village  |
| 4465-1                   | B1.02.127                | Native Village of Mekoryuk                                    |
| 4466-9                   | B1.02.128                | Mentasta Traditional Council (formerly Mentasta Lake Village) |
| 4467-7                   | B1.02.129                | Metlakatla Indian Community, Annette Island Reserve           |
| 4468-5                   | B1.02.130                | Native Village of Minto                                       |
| 4469-3                   | B1.02.131                | Naknek Native Village   |
| 4470-1                   | B1.02.132                | Native Village of Nanwalek (aka English Bay)                  |
| 4471-9                   | B1.02.133                | Native Village of Napaimute                                   |
| 4472-7                   | B1.02.134                | Native Village of Napakiak                                    |
| 4473-5                   | B1.02.135                | Native Village of Napaskiak                                   |
| 4474-3                   | B1.02.136                | Native Village of Nelson Lagoon                               |
| 4475-0                   | B1.02.137                | Nenana Native Association                                     |
| 4476-8                   | B1.02.138                | New Stuyahok Village  |
| 4477-6                   | B1.02.139                | Newhalen Village  |
| 4478-4                   | B1.02.140                | Newtok Village  |
| 4479-2                   | B1.02.141                | Native Village of Nightmute                                   |
| 4480-0                   | B1.02.142                | Nikolai Village   |
| 4481-8                   | B1.02.143                | Native Village of Nikolski                                    |
| 4482-6                   | B1.02.144                | Ninilchik Village   |
| 4483-4                   | B1.02.145                | Native Village of Noatak                                      |
| 4484-2                   | B1.02.146                | Nome Eskimo Community   |
| 4485-9                   | B1.02.147                | Nondalton Village   |
| 4486-7                   | B1.02.148                | Noorvik Native Community                                      |
| 4487-5                   | B1.02.149                | Northway Village  |
| 4488-3                   | B1.02.150                | Native Village of Nuiqsut (aka Nooiksut)                      |
| 4489-1                   | B1.02.151                | Nulato Village  |
| 4490-9                   | B1.02.152                | Native Village of Nunapitchuk                                 |
| 4491-7                   | B1.02.153                | Village of Ohogamiut  |
| 4492-5                   | B1.02.154                | Village of Old Harbor   |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept  |
|-------------------|-------------------|--|
| 4493-3            | B1.02.155         | Orutsararmuit Native Village (aka Bethel)  |
| 4494-1            | B1.02.156         | Oscarville Traditional Village   |
| 4495-8            | B1.02.157         | Native Village of Ouzinkie   |
| 4496-6            | B1.02.158         | Native Village of Paimiut  |
| 4497-4            | B1.02.159         | Pauloff Harbor Village   |
| 4498-2            | B1.02.160         | Pedro Bay Village  |
| 4499-0            | B1.02.161         | Native Village of Perryville   |
| 4500-5            | B1.02.162         | Petersburg Indian Association  |
| 4501-3            | B1.02.163         | Native Village of Pilot Point  |
| 4502-1            | B1.02.164         | Pilot Station Traditional Village  |
| 4503-9            | B1.02.165         | Native Village of Pitka's Point  |
| 4504-7            | B1.02.166         | Platinum Traditional Village   |
| 4505-4            | B1.02.167         | Native Village of Point Hope   |
| 4506-2            | B1.02.168         | Native Village of Point Lay  |
| 4507-0            | B1.02.169         | Native Village of Port Graham  |
| 4508-8            | B1.02.170         | Native Village of Port Heiden  |
| 4509-6            | B1.02.171         | Native Village of Port Lions   |
| 4510-4            | B1.02.172         | Portage Creek Village (aka Ohgsenakale)  |
| 4511-2            | B1.02.173         | Pribilof Islands Aleut Communities of St. Paul & St. George Islands                    |
| 4512-0            | B1.02.174         | Qagan Toyagungin Tribe of Sand Point Village   |
| 4513-8            | B1.02.175         | Rampart Village  |
| 4514-6            | B1.02.176         | Village of Red Devil   |
| 4515-3            | B1.02.177         | Native Village of Ruby   |
| 4516-1            | B1.02.178         | Village of Salamatoff  |
| 4517-9            | B1.02.179         | Organized Village of Saxman  |
| 4518-7            | B1.02.180         | Native Village of Savoonga   |
| 4519-5            | B1.02.181         | Saint George (See Pribilof Islands Aleut Communities of St. Paul & St. George Islands) |
| 4520-3            | B1.02.182         | Native Village of Saint Michael  |
| 4521-1            | B1.02.183         | Saint Paul (See Pribilof Islands Aleut Communities of St. Paul & St. George Islands)   |
| 4522-9            | B1.02.184         | Native Village of Scammon Bay  |
| 4523-7            | B1.02.185         | Native Village of Selawik  |
| 4524-5            | B1.02.186         | Seldovia Village Tribe   |
| 4525-2            | B1.02.187         | Shageluk Native Village  |
| 4526-0            | B1.02.188         | Native Village of Shaktoolik   |
| 4527-8            | B1.02.189         | Native Village of Sheldon's Point  |
| 4528-6            | B1.02.190         | Native Village of Shishmaref   |
| 4529-4            | B1.02.191         | Native Village of Shungnak   |
| 4530-2            | B1.02.192         | Sitka Tribe of Alaska  |
| 4531-0            | B1.02.193         | Skagway Village  |
| 4532-8            | B1.02.194         | Village of Sleetmute   |
| 4533-6            | B1.02.195         | Village of Solomon   |
| 4534-4            | B1.02.196         | South Naknek Village   |
| 4535-1            | B1.02.197         | Stebbins Community Association   |
| 4536-9            | B1.02.198         | Native Village of Stevens  |

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## CDC Common Data Element Implementation Guide - *Draft*

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| Unique Identifier | Hierarchical Code | Concept   |
|-------------------|-------------------|---|
| 4537-7            | B1.02.199         | Village of Stony River  |
| 4538-5            | B1.02.200         | Takotna Village   |
| 4539-3            | B1.02.201         | Native Village of Tanacross   |
| 4540-1            | B1.02.202         | Native Village of Tanana  |
| 4541-9            | B1.02.203         | Native Village of Tatitlek  |
| 4542-7            | B1.02.204         | Native Village of Tazlina   |
| 4543-5            | B1.02.205         | Telida Village  |
| 4544-3            | B1.02.206         | Native Village of Teller  |
| 4545-0            | B1.02.207         | Native Village of Tetlin  |
| 4546-8            | B1.02.208         | Central Council of the Tlingit & Haida Indian Tribes                                |
| 4547-6            | B1.02.209         | Traditional Village of Togiak   |
| 4548-4            | B1.02.210         | Native Village of Toksook Bay   |
| 4549-2            | B1.02.211         | Tuluksak Native Community   |
| 4550-0            | B1.02.212         | Native Village of Tuntutuliak   |
| 4551-8            | B1.02.213         | Native Village of Tununak   |
| 4552-6            | B1.02.214         | Twin Hills Village  |
| 4553-4            | B1.02.215         | Native Village of Tyonek  |
| 4554-2            | B1.02.216         | Ugashik Village   |
| 4555-9            | B1.02.217         | Umkumiute Native Village  |
| 4556-7            | B1.02.218         | Native Village of Unalakleet  |
| 4557-5            | B1.02.219         | Qawalangin Tribe of Unalaska  |
| 4558-3            | B1.02.220         | Native Village of Unga  |
| 4559-1            | B1.02.221         | Village of Venetie (See Native Village of Venetie Tribal Government)                |
| 4560-9            | B1.02.222         | Native Village of Venetie Tribal Government (Arctic Village and Village of Venetie) |
| 4561-7            | B1.02.223         | Village of Wainwright   |
| 4562-5            | B1.02.224         | Native Village of Wales   |
| 4563-3            | B1.02.225         | Native Village of White Mountain  |
| 4564-1            | B1.02.226         | Wrangell Cooperative Association  |
| 4565-8            | B1.02.227         | Yakutat Tlingit Tribe   |
| 4566-6            | B1.02.228         | Other Alaska Native Tribal Entity   |

**Note:** Ethnicity should be collected before race when collected separately. A combined format for race and ethnicity is permitted for observed race but not recommended for self-reported race. When the combined format is used, 'Hispanic and one or more races' and 'More than one race' categories must be reported.

*If a category is not relevant, it does not need to be collected. Data element categories may be expanded into more detail if they collapse into the standard.*

- ii. Storage - The race unique identifier is stored as character variable

with a length of 1.

- iii. Electronic Data Interchange (EDI) Transmission - If the value will be transmitted as a string in an EDI message, e.g. such as HL7 defines, illegitimate values will be set to missing when the message is constructed.
- iv. Dissemination - The data will be supplied in the standard format in public use datasets to facilitate integration with other datasets. Illegitimate values will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

**2. Scope** - *a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems.

**3. Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 2003 for new systems becoming operational after that date.

Dec. 31, 2003 for versions of existing systems undergoing major modifications that will be redeployed after that date.

**4. Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code race in a standard format to improve interoperability and reduce redundant data entry among systems and datasets.



**5. Other Applicable Standards** - *standards in existence elsewhere (if any) that apply to the proposed standard.*

a. OMB Standards for the Classification of Federal Data on Race and Ethnicity

Excerpt:

2. Data Formats

The standards provide two formats that may be used for data on race and ethnicity. Self-reporting or self-identification using two separate questions is the preferred method for collecting data on race and ethnicity. In situations where self-reporting is not practicable or feasible, the combined format may be used.

In no case shall the provisions of the standards be construed to limit the collection of data to the categories described above.

The collection of greater detail is encouraged; however, any collection that uses more detail shall be organized in such a way that the additional categories can be aggregated into these minimum categories for data on race and ethnicity.

With respect to tabulation, the procedures used by Federal agencies shall result in the production of as much detailed information on race and ethnicity as possible. However, Federal agencies shall not present data on detailed categories if doing so would compromise data quality or confidentiality standards.

a. Two-question format

To provide flexibility and ensure data quality, separate questions shall be used wherever feasible for reporting race and ethnicity. When race and ethnicity are collected separately, ethnicity shall be collected first. If race and ethnicity are collected separately, the minimum designations are:

Race:

- American Indian or Alaska Native
- Asian
- Black or African American
- Native Hawaiian or Other Pacific Islander
- White

Ethnicity:

- Hispanic or Latino
- Not Hispanic or Latino

When data on race and ethnicity are collected separately, provision shall be made to report the number of respondents in each racial category who are Hispanic or Latino.

When aggregate data are presented, data producers shall provide the number of respondents who marked (or selected) only one category, separately for each of the five racial categories. In addition to these numbers, data producers are strongly encouraged to provide the detailed distributions, including all possible combinations, of multiple responses to the race question. If data on multiple responses are collapsed, at a minimum the total number of respondents reporting "more than one race" shall be made available.

b. Combined format

The combined format may be used, if necessary, for observer-collected data on race and ethnicity. Both race (including multiple responses) and ethnicity are collected when appropriate and feasible, although the selection of one category in the combined format is acceptable. If a combined format is used, there are six minimum categories:

- American Indian or Alaska Native
- Asian

- Black or African American
- Hispanic or Latino
- Native Hawaiian or Other Pacific Islander
- White

When aggregate data are presented, data producers shall provide the number of respondents who marked (or selected) only one category, separately for each of the six categories. In addition to these numbers, data producers are strongly encouraged to provide the detailed distributions, including all possible combinations, of multiple responses. In cases where data on multiple responses are collapsed, the total number of respondents reporting "Hispanic or Latino and one or more races" and the total number of respondents reporting "more than one race" (regardless of ethnicity) are provided.

[http://www1.whitehouse.gov/WH/EOP/OMB/html/fedreg/Directive\\_15.html](http://www1.whitehouse.gov/WH/EOP/OMB/html/fedreg/Directive_15.html)  
<http://www1.whitehouse.gov/WH/EOP/OMB/html/fedreg/Ombdir15.html>

**6. Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).

## Record Multiplier

|  |
|--|
| Status: Internal Review<br>Version: 4<br>Date: 1/22/1999 |
|--|

**Definition of Variable:** Number of cases reported in a record of summary data.

**Comment:** This standard is based on the NETSS standard.

1. **Proposal Description** - *a specific description of what standard is being proposed.*

Recommended name: MULT

The data item can vary according to the four states of processing:

- i. Collection - The MULT field may be collected when necessary because of operational conventions or for maintaining confidentiality.

**Note:** Line-listed data is preferred. Pre-categorized variables, e.g. age, can be difficult to combine with data from other sources.

*If a category is not relevant, it does not need to be collected. Data element categories may be expanded into more detail if they collapse into the standard.*

- ii. Storage - MULT is stored as a character variable with a length of three.
- iii. Electronic Data Interchange (EDI) Transmission - The value will be transmitted as a string in an EDI message, e.g. such as HL7 defines. When individual and summary data are mixed, the MULT

variable will be set to one for individuals. Missing data is not permitted.

**Note:** For summary data, individual-specific variables may require the creation of user-defined tables, e.g., age categorizations.

- iv. Dissemination - The data will be supplied in the standard format in public use datasets to facilitate integration with other datasets. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

2. **Scope** - *a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems.

3. **Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 1999 for new systems becoming operational after that date.

Dec. 31, 1999 for versions of existing systems undergoing major modifications that will be redeployed after that date.

4. **Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code case counts in a standard format to improve interoperability and reduce redundant data entry among systems and datasets.

**5. Other Applicable Standards** - *standards in existence elsewhere (if any) that apply to the proposed standard.*

a. NETSS (National Electronic Telecommunications System for Surveillance)

COUNT      Number of cases reported in current record. For RECTYPE M (individual case records) the value of COUNT will always be "1" ("00001").

For RECTYPE S (summary or aggregate records) the value of COUNT can be "1" ("00001"), or greater.

**6. Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).

## Case Classification

|  |
|--|
| Status: Internal Review<br>Version: 2<br>Date: 7/17/1998 |
|--|

**Definition of Variable:** Classification of the certainty of a case.

**Comment:** This standard is compatible with the NETSS and WHO standards with the addition of terminology to make the standard more widely applicable, including terms in common use in both infectious disease and in non-infectious conditions public health surveillance.

1. **Proposal Description** - *a specific description of what standard is being proposed.*

Recommended name: CLASS

The data item can vary according to the four states of processing:

i. Collection - Case classification are coded:

- 1 = Confirmed
- 2 = Probable or Presumptive
- 3 = Possible or Suspect

*If a category is not relevant, it does not need to be collected. Data element categories may be expanded into more detail if they collapse into the standard.*

ii. Storage - CLASS is stored as a character variable with a length of one.

iii. Electronic Data Interchange (EDI) Transmission - The value will be transmitted as a string in an EDI message, e.g. such as HL7

defines, illegitimate values will be set to missing when the message is constructed.

- iv. Dissemination - The data will be supplied in the standard format in public use datasets to facilitate integration with other datasets. Illegitimate values will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

**2. Scope** - *a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems.

**3. Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 1999 for new systems becoming operational after that date.

Dec. 31, 1999 for versions of existing systems undergoing major modifications that will be redeployed after that date.

**4. Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code case classification in a standard format to improve interoperability and reduce redundant data entry among systems and datasets.

**5. Other Applicable Standards** - *standards in existence elsewhere (if*



*any) that apply to the proposed standard.*

a. NETSS (National Electronic Telecommunications System for Surveillance)

1 = Confirmed

2 = Probable

3 = Suspect

9 = Unknown

b. WHO (World Health Organization)

Suspected

Probable

Confirmed

- Clinically

- Laboratory

- Microbiologically

Outbreak

Contact

Not applicable

**6. Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).

## Next of Kin

|   |
|---|
| Status: Internal Review<br>Version: 4<br>Date: 5/7/1999 |
|---|

**Definition of Variable:** Relationship of family members to subject.

**Comment:** This standard is based on the ASTM Table 1633 categories for next of kin using X12 Table 1069 (Individual Relationship) representations. The categories of 'Guardian(Court appointed or other)', 'Great Grandfather' and 'Great Grandmother' are not defined in the X12 standard and use CDC-defined local codes.

1. **Proposal Description** - *a specific description of what standard is being proposed.*

Recommended name: KIN

The data item can vary according to the four states of processing:

i. Collection - Next of kin fields are coded:

|    |                  |
|----|------------------|
| 56 | Adopted Son      |
| 55 | Adopted Daughter |
| 61 | Aunt             |
| 62 | Brother          |
| 63 | Brother-In-Law   |
| 08 | Cousin           |
| 74 | Daughter         |
| 75 | Daughter-In-Law  |
| 33 | Father           |
| 81 | Father-In-Law    |
| 10 | Foster Child     |
| 95 | Granddaughter    |

|           |                          |
|-----------|--------------------------|
| 97        | Grandfather              |
| 98        | Grandmother              |
| A1        | Grandson                 |
| <b>Z1</b> | <b>Great Grandfather</b> |
| <b>Z2</b> | <b>Great Grandmother</b> |
| A4        | Halfbrother              |
| A5        | Halfsister               |
| A6        | Husband                  |
| 32        | Mother                   |
| A9        | Mother-In-Law            |
| B1        | Nephew                   |
| B2        | Niece                    |
| B7        | Sister                   |
| B8        | Sister-In-Law            |
| C1        | Son                      |
| C2        | Son-In-Law               |
| C3        | Stepbrother              |
| C5        | Stepdaughter             |
| 48        | Stepfather               |
| 49        | Stepmother               |
| C8        | Stepsister               |
| C9        | Stepson                  |
| D3        | Uncle                    |
| 28        | Unrelated, Friend        |
| 15        | Ward                     |
| D4        | Wife                     |
| <b>Z3</b> | <b>Guardian</b>          |

*If a category is not relevant, it does not need to be collected. Data element categories may be expanded into more detail if they collapse into the standard.*

- ii. Storage - KIN is stored as a character variable with a length of two.
  
- iii. Electronic Data Interchange (EDI) Transmission - The value will be transmitted as a string in an EDI message, e.g. such as HL7 defines, illegitimate values will be set to missing when the message is constructed.

- iv. Dissemination - The data will be supplied in the standard format in public use datasets to facilitate integration with other datasets. Illegitimate values will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

2. **Scope** - *a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems.

3. **Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 1999 for new systems becoming operational after that date.

Dec. 31, 1999 for versions of existing systems undergoing major modifications that will be redeployed after that date.

4. **Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code next of kin in a standard format to improve interoperability and reduce redundant data entry among systems and datasets.

5. **Other Applicable Standards** - *standards in existence elsewhere (if any) that apply to the proposed standard.*

- a. ASTM E 1633 (American Society for Testing and Materials)

Adopted Son  
Adopted Daughter  
Aunt  
Brother  
Brother-In-Law  
Cousin  
Daughter  
Daughter-In-Law  
Father  
Father-In-Law  
Foster Child  
Granddaughter  
Grandfather  
Grandmother  
Grandson  
Great Grandfather  
Great Grandmother  
Halfbrother  
Halfsister  
Husband  
Mother  
Mother-In-Law  
Nephew  
Niece  
Sister  
Sister-In-Law  
Son  
Son-In-Law  
Stepbrother  
Stepdaughter  
Stepfather  
Stepmother  
Stepsister  
Stepson  
Uncle  
Unrelated, Friend  
Ward  
Wife

b. X12 (American National Standards Institute Accredited Standards Committee X12)

## 1069 Individual Relationship Code

|    |                                 |
|----|---------------------------------|
| 01 | Spouse                          |
| 02 | Son or Daughter                 |
| 03 | Father or Mother                |
| 04 | Grandfather or Grandmother      |
| 05 | Grandson or Granddaughter       |
| 06 | Uncle or Aunt                   |
| 07 | Nephew or Niece                 |
| 08 | Cousin                          |
| 09 | Adopted Child                   |
| 10 | Foster Child                    |
| 11 | Son-in-law or Daughter-in-law   |
| 12 | Brother-in-law or Sister-in-law |
| 13 | Mother-in-law or Father-in-law  |
| 14 | Brother or Sister               |
| 15 | Ward                            |
| 16 |                                 |
| 17 | Stepson or Stepdaughter         |
| 18 | Self                            |
| 19 | Child                           |
| 20 | Employee                        |
| 21 | Unknown                         |
| 22 | Handicapped Dependent           |
| 23 | Sponsored Dependent             |
| 24 | Dependent of a Minor Dependent  |
| 25 | Ex-spouse                       |
| 26 | Guardian                        |
| 27 | Student                         |
| 28 | Friend                          |
| 29 | Significant Other               |
| 30 | Both Parents                    |
| 31 | Court Appointed Guardian        |
| 32 | Mother                          |
| 33 | Father                          |
| 34 | Other Adult                     |
| 35 |                                 |
| 36 | Emancipated Minor               |
| 37 | Agency Representative           |
| 38 | Collateral Dependent            |
| 39 | Organ Donor                     |
| 40 | Cadaver Donor                   |

|    |  |
|----|--|
| 41 | Injured Plaintiff                                      |
| 42 |  |
| 43 | Child Where Insured Has No Financial<br>Responsibility |
| 44 |  |
| 45 | Widow  |
| 46 | Widower  |
| 47 | State Fund   |
| 48 | Stepfather   |
| 49 | Stepmother   |
| 50 | Foster Parent  |
| 51 | Emergency Contact                                      |
| 52 | Employer   |
| 53 | Life Partner   |
| 54 |  |
| 55 | Adopted Daughter                                       |
| 56 | Adopted Son  |
| 57 | Adoptive Father  |
| 58 | Adoptive Mother  |
| 59 | Adoptive Parents                                       |
| 60 | Annuitant  |
| 61 | Aunt   |
| 62 | Brother  |
| 63 | Brother-In-Law   |
| 64 | Business   |
| 65 | Business Associate                                     |
| 66 | Business Insurance Trust                               |
| 67 | Business Partner                                       |
| 68 | Charity  |
| 69 |  |
| 70 | Children of Marriage                                   |
| 71 | Company  |
| 72 | Corporation  |
| 73 | Creditor   |
| 74 | Daughter   |
| 75 | Daughter-In-Law  |
| 76 | Dependent  |
| 77 |  |
| 78 | Estate   |
| 79 | Ex-Wife  |
| 80 | Family Member  |

|    |                          |
|----|--------------------------|
| 81 | Father-In-Law            |
| 82 | Fiancé (Male)            |
| 83 | Finanee (Female)         |
| 84 | Fiduciary                |
| 85 |                          |
| 86 | Foster Daughter          |
| 87 | Foster Father            |
| 88 | Foster Mother            |
| 89 |                          |
| 90 | Foster Son               |
| 91 | God Daughter             |
| 92 | God Father               |
| 93 | God Parents              |
| 94 | God Son                  |
| 95 | Grandchildren            |
| 96 | Granddaughter            |
| 97 | Grandfather              |
| 98 | Grandmother              |
| 99 | Grandparents             |
| A1 | Grandson                 |
| A2 | Great Aunt               |
| A3 | Ex-husband               |
| A4 | Half Brother             |
| A5 | Half Sister              |
| A6 | Husband                  |
| A7 | Institution              |
| A8 | Mortgage Holder          |
| A9 | Mother-in-Law            |
| B1 | Nephew                   |
| B2 | Niece                    |
| B3 | Parents-in-Law           |
| B4 | Partnership              |
| B5 | Partner                  |
| B6 | Personal Insurance Trust |
| B7 | Sister                   |
| B8 | Sister-in-Law            |
| B9 | Sole Proprietorship      |
| C1 | Son                      |
| C2 | Son-in-Law               |
| C3 | Step Brother             |
| C4 | Step Children            |



|    |                                    |
|----|------------------------------------|
| C5 | Step Daughter                      |
| C6 |                                    |
| C7 |                                    |
| C8 | Step Sister                        |
| C9 | Step Son                           |
| D1 | Trust                              |
| D2 | Trustee                            |
| D3 | Uncle                              |
| D4 | Wife                               |
| D5 | Teacher                            |
| D6 | School Counselor                   |
| D7 | School Principal                   |
| D8 | Other School Administrator         |
| D9 | Coach                              |
| E1 | Activity Sponsor                   |
| E2 | Supervisor                         |
| E3 | Co-worker                          |
| E4 | Minister or Priest                 |
| E5 | Ecclesiastical or Religious Leader |
| E6 | God Mother                         |
| E7 | Probation Officer                  |
| E8 | Accountant                         |
| E9 | Advisor                            |
| F1 | Alma Mater                         |
| F2 | Applicant                          |
| F3 | Banker                             |
| F4 |                                    |
| F5 |                                    |
| F6 | Clergyman                          |
| F7 | Client                             |
| F8 | Club or Organization Officer       |
| F9 | Doctor                             |
| G1 |                                    |
| G2 | Educator/Teacher/Instructor        |
| G3 | Betrothed                          |
| G4 | Insured                            |
| G5 | Lawyer                             |
| G6 | Medical Care Provider              |
| G7 | Neighbor                           |
| G8 | Other Relationship                 |
| G9 | Other Relative                     |
| H1 | Owner                              |

|    |   |
|----|---|
| H4 | Payor   |
| OT | Non-applicable individual Relationship Category |
| ZZ | Mutually Defined                                |

c. NCVHS (National Committee on Vital and Health Statistics)

Patient's Relationship to Subscriber/person eligible for entitlement

Self  
Spouse  
Child  
Other(specify)

d. Bureau of the Census - *Current Population Survey*

20 = Spouse (Husband/Wife)  
21 = Unmarried Partner  
22 = Child  
23 = Grandchild  
24 = Parent (Mother/Father)  
25 = Brother/Sister  
26 = Other relative (Aunt, Cousin, Nephew, Mother-in-law, etc.)  
27 = Foster child  
28 = Housemate/Roommate  
29 = Roomer/Boarder  
30 = Other nonrelative

**6. Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).

## Categorical Age

|   |
|---|
| Status: Proposed<br>Version: 3<br>Date: 10/8/1999 |
|---|

**Definition of Variable:** Grouped age in years used to report summary data.

**Comment:** This standard is based on standards from the National Electronic Telecommunications System for Surveillance (NETSS) and Bureau of the Census.

1. **Proposal Description** - *a specific description of what standard is being proposed.*

Recommended name: AGECAT

The data item can vary according to the four states of processing:

i. Collection - Categorical age fields are coded:

'LT 1 ' = LT 1 Year  
'1-4 ' = 1 - 4 Years  
'5-9 ' = 5 - 9 Years  
'10-14' = 10 - 14 Years  
'15-19' = 15 - 19 Years  
'20-24' = 20 - 24 Years  
'25-29' = 25 - 29 Years  
'30-34' = 30 - 34 Years  
'35-39' = 35 - 39 Years  
'40-44' = 40 - 44 Years  
'45-49' = 45 - 49 Years  
'50-54' = 50 - 54 Years  
'55-59' = 55 - 59 Years

'60-64' = 60 - 64 Years  
'65-69' = 65 - 69 Years  
'70-74' = 70 - 74 Years  
'75-79' = 75 - 79 Years  
'80-84' = 80 - 84 Years  
'85-89' = 85 - 89 Years  
'90+' = 90+ Years

*If a category is not relevant, it does not need to be collected. Data element categories may be expanded into more detail if they collapse into the standard.*

- ii. Storage - Categorical age is stored as a character variable with a length of five.
- iii. Electronic Data Interchange (EDI) Transmission - The value will be transmitted as a string in an EDI message, e.g. such as HL7 defines, illegitimate values will be set to missing when the message is constructed.
- iv. Dissemination - The data will be supplied in the standard format in public use datasets to facilitate integration with other datasets. Illegitimate values will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

**2. Scope** - *a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems.

**3. Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a*

*certain given date.*

Dec. 31, 1999 for new systems becoming operational after that date.

Dec. 31, 1999 for versions of existing systems undergoing major modifications that will be redeployed after that date.

4. **Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code categorical age in a standard format to improve interoperability and reduce redundant data entry among systems and datasets.

5. **Other Applicable Standards** - *standards in existence elsewhere (if any) that apply to the proposed standard.*

a. NETSS (National Electronic Telecommunications System for Surveillance)

Same as proposed.

b. Bureau of the Census

Same as proposed.

6. **Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).

# Occupation

|  |
|--|
| Status: Proposed<br>Version: 2.4<br>Date: 12/23/1999 |
|--|

**Definition of Variable:** Occupation code for various types of occupations (e.g., current occupation, usual occupation, longest-held occupation) reported in information systems, databases, data sets, and surveillance systems

**Comment:** This standard is based on standards from the U.S. Bureau of the Census [which are currently under revision and final development at Census].

1. **Proposal Description** - *a specific description of what standard is being proposed.*

Recommended name(s):

- |                             |         |
|-----------------------------|---------|
| i) Unspecified occupation   | OCC     |
| ii) Current occupation      | OCC_CUR |
| iii) Usual occupation       | OCC_USU |
| iv) Longest-held occupation | OCC_LON |

Other occupation variable names will be user-defined.

The data item can vary according to the four states of processing:

- i. Collection - Occupation fields are coded according to currently-in-effect Bureau of the Census categorizations and codings [*Alphabetical Index of Industries and Occupations*, by the U.S. Bureau of the Census, Washington, D.C. U.S. Government Printing Office, 1998 – specific reference is expected to change when Bureau of the Census completes work on revision currently

in progress]

*If a response is not relevant, it does not need to be collected. Data element responses may be expanded into more detail if they collapse into the standard.*

*Collection of narrative or literal information for occupation in addition to categorization and coding as per the above is encouraged.*

*The Standardized Occupation and Industry Coding (SOIC) system is available from the National Institute for Occupational Safety and Health (NIOSH) to automatically code industry/occupation to Census codes. SOIC, a Windows-based software system, was developed for NIOSH in collaboration with the National Association for Public Health Statistics and Information Systems (NAPHSIS), the National Center for Health Statistics (NCHS), the Bureau of Labor Statistics (BLS), and the National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP).*

- ii. Storage - Occupation is stored as a character variable with a length of 3. [According to NCHS, Census plans to use a 3-digit code. However, this has not been confirmed by Census.]
- iii. Electronic Data Interchange (EDI) Transmission - The value will be transmitted as a string in an EDI message, e.g., such as HL7 defines; illegitimate values will be set to missing when the message is constructed. (HL7 is a standard for electronic data exchange in health care environments. It endeavors to standardize the format and protocol for the exchange of certain key sets of data among health care computer application systems.)
- iv. Dissemination - The data will be supplied in the standard format in public use datasets to facilitate integration with other datasets. Illegitimate values will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

**2. Scope** - a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.

All CDC/ATSDR information systems, databases, data sets, and surveillance systems.

3. **Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 1999 for new systems becoming operational after that date.

Dec. 31, 1999 for versions of existing systems undergoing major modifications that will be redeployed after that date. [It is uncertain whether Census codes will be ready by this date. The Census Bureau expects to complete the conversion to NAICS/SOC-based codes around the end of the 1999.]

4. **Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code occupation in a standard format to improve interoperability and reduce redundant data entry among systems and datasets.

5. **Other Applicable Standards** - *standards in existence elsewhere (if any) that apply to the proposed standard.*

a. ASTM E 1633 (American Society for Testing and Materials) (Refers to ASTM E1633-96 Standard Specification for Coded Values Used in the Computer-Based Patient Record; e.g., standards permitting consistency with other primary health care or standard statistical data sets, or with other health care data exchange formats or health care data gathering forms.)

b. X12 (American National Standards Institute Accredited Standards Committee X12) (Refers to technical syntax for transmission and storage



of electronic data elements; e.g., pertaining to electronic interchange standards, data “segments,” and individual data fields)

c. SOC (Standard Occupational Classification System) Office of Management and Budget. 1998 Standard Occupational Classification System. Washington, DC: U.S. Government Printing Office, 1997.

This data element reflects terms used in the Standard Occupational Classification 1980, the U.S. 1990 Census, ILO list of International Standard Classification of Occupations, and a scheme under development by the Department of Labor based on the Occupation Employment Survey.

6. **Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).

# Industry

|  |
|--|
| Status: Proposed<br>Version: 2.4<br>Date: 12/23/1999 |
|--|

**Definition of Variable:** Industry code for various types of industries (e.g., current industry [i.e., industry of current employment], usual industry, longest-held industry) reported in information systems, databases, data sets, and surveillance systems

**Comment:** This standard is based on standards from the U.S. Bureau of the Census [which are currently under revision and final development at Census].

1. **Proposal Description** - *a specific description of what standard is being proposed.*

Recommended name(s):

- i) Unspecified industry      IND
- ii) Current industry        IND\_CUR
- iii) Usual industry        IND\_USU
- iv) Longest-held industry    IND\_LON

Other industry variable names will be user-defined.

The data item can vary according to the four states of processing:

- i. Collection - Industry fields are coded according to currently-in-effect Bureau of the Census categorizations and codings [*Alphabetical Index of Industries and Occupations*, by the U.S. Bureau of the Census, Washington, D.C. U.S. Government Printing Office, 1998 – specific reference is expected to change

when Bureau of the Census completes work on revision currently in progress]

*If a response is not relevant, it does not need to be collected. Data element responses may be expanded into more detail if they collapse into the standard.*

*Collection of narrative or literal information for industry in addition to categorization and coding as per the above is encouraged.*

*The Standardized Occupation and Industry Coding (SOIC) system is available from the National Institute for Occupational Safety and Health (NIOSH) to automatically code industry/occupation to Census codes. SOIC, a Windows-based software system, was developed for NIOSH in collaboration with the National Association for Public Health Statistics and Information Systems (NAPHSIS), the National Center for Health Statistics (NCHS), the Bureau of Labor Statistics (BLS), and the National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP).*

- ii. Storage - Industry is stored as a character variable with a length of 3. [According to NCHS, Census plans to use a 3-digit code. However, this has not been confirmed by Census.]
- iii. Electronic Data Interchange (EDI) Transmission - The value will be transmitted as a string in an EDI message, e.g., such as HL7 defines; illegitimate values will be set to missing when the message is constructed. (HL7 is a standard for electronic data exchange in health care environments. It endeavors to standardize the format and protocol for the exchange of certain key sets of data among health care computer application systems.)
- iv. Dissemination - The data will be supplied in the standard format in public use datasets to facilitate integration with other datasets. Illegitimate values will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

## **2. Scope - a description or list of which CDC/ATSDR information**

*systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems.

3. **Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 1999 for new systems becoming operational after that date.

Dec. 31, 1999 for versions of existing systems undergoing major modifications that will be redeployed after that date. [It is uncertain whether Census codes will be ready by this date. The Census Bureau expects to complete the conversion to NAICS/SOC-based codes around the end of the 1999.]

4. **Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code occupation in a standard format to improve interoperability and reduce redundant data entry among systems and datasets.

5. **Other Applicable Standards** - *standards in existence elsewhere (if any) that apply to the proposed standard.*

a. ASTM E 1633 (American Society for Testing and Materials) (Refers to ASTM E1633-96 Standard Specification for Coded Values Used in the Computer-Based Patient Record; e.g., standards permitting consistency with other primary health care or standard statistical data sets, or with other health care data exchange formats or health care data gathering forms.)

b. X12 (American National Standards Institute Accredited Standards Committee X12) (Refers to technical syntax for transmission and storage of electronic data elements; e.g., pertaining to electronic interchange standards, data “segments,” and individual data fields)

c. NAICS (North American Industry Classification System) Office of Management and Budget. North American Industry Classification System--United States, 1997. Washington, DC: U.S. Government Printing Office, 1997.

This data element reflects terms used in the North American Industry Classification System, the Standard Industrial Classification 1987, the U.S. 1990 Census, and the International Standard Industrial Classification of All Economic Activities.

**6. Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).

## Yes/No Indicator

|  |
|--|
| Status: Internal Review<br>Version: 1<br>Date: 3/19/1999 |
|--|

**Definition of Variable:** Affirmative or negative response to a question.

**Comment:** This standard is based on standards from X12, HL7 and information technology.

1. **Proposal Description** - *a specific description of what standard is being proposed.*

Recommended name: *not applicable*

The data item can vary according to the four states of processing:

- i. Collection - Yes/No indicator fields are coded according to the following codesets. The alphabetic codes are *preferred*.

Y = Yes  
N = No

or

1 = Yes  
0 = No

*If a category is not relevant, it does not need to be collected. Data element categories may be expanded into more detail if they collapse into the standard.*

- ii. Storage - Indicator variables are stored as a character variables

with a length of one.

- iii. Electronic Data Interchange (EDI) Transmission - The value will be transmitted as a string in an EDI message, e.g. such as HL7 defines, illegitimate values will be set to missing when the message is constructed.
- iv. Dissemination - The data will be supplied in the standard format in public use datasets to facilitate integration with other datasets. Illegitimate values will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

**2. Scope** - *a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems.

**3. Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 1999 for new systems becoming operational after that date.

Dec. 31, 1999 for versions of existing systems undergoing major modifications that will be redeployed after that date.

**4. Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code indicator variables in a standard format to improve interoperability and reduce redundant data entry among systems and

datasets.

5. **Other Applicable Standards** - *standards in existence elsewhere (if any) that apply to the proposed standard.*

a. HL7 (Health Level Seven)

0136 Yes/No Indicator

Y = Yes

N = No

b. X12 (American National Standards Institute Accredited Standards Committee X12)

1073 Yes/No Condition or Response

N = No

U = Unknown

W = Not Applicable

Y = Yes

c. Logical Datatypes

1 = Yes

0 = No

6. **Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).



## Report Source

|  |
|--|
| Status: Internal Review<br>Version: 1<br>Date: 6/28/1999 |
|--|

**Definition of Variable:** Source of report.

**Comment:** This standard is based on the X12 Healthcare Provider Taxonomy and Provider Characteristics and Resources standard.

1. **Proposal Description** - *a specific description of what standard is being proposed.*

Recommended name: SOURCE

The data item can vary according to the four states of processing:

- i. Collection - Provider fields are coded:

- HO Hospital
  - A Inpatient
  - B Outpatient
  - C Emergency Room
  - D Labor/Delivery
  - E Psychiatric
  - F Public
  - G Private
  - H Urgent Care
  - I Pharmacy
- RU Rural Health Clinic
- PC Pharmacy
- PP Private Physician Office
  - A Obstetrics/Gynecology
  - B Pediatrician
  - C General Practice
  - D Family Practice
  - E Infectious Diseases
  - F Urologist

- G Gastro-Intestinal
- H Internist
- VT Veterinary Sources
  - A Private Practice
  - B Public Clinic
  - C Humane Society
- DD Dentist
- PH Public Health Clinic
  - A Obstetrics/Gynecology
  - B Prenatal
  - C Delivery
  - D HIV
  - E STD
  - F TB
  - G Family Planning
- SL Other state and local agencies
  - A Local Health Department
  - B State Health Department
  - C Food Safety
  - D Environment
  - E Water Treatment
  - F Animal Control
  - G Poison Control
  - H Emergency Response
  - I Medical Examiner
  - J Coroner
- FA Other Federal Agencies
  - A Environmental Protection Agency
  - B Department of Natural Resources
  - C Job Corps
  - D Customs
  - E National Park Service
  - F Department of Transportation
  - G Department of Labor
  - H Commerce
  - I Consumer Safety Product Commission
  - J National Regulatory Commission
  - K Food and Drug Administration
  - L Agriculture
  - M USDA
- CF Correctional Facilities
  - A Jails
  - B State Correctional Facility
  - C Federal Correctional Facility
  - D Juvenile Detention Center
- MC Managed Care/HMOs
- SC School Clinic
  - A Daycare
  - B Primary

- C Secondary
- D College and Universities
- LA Laboratory
  - A Hospital Lab
  - B Local Lab
  - C Regional Reference Lab
  - D National Reference Lab
  - E Other Lab
- MI Military
  - A Veteran's Administration
  - B AFEES
- IH Indian Health Service
- TF Tribal Government
- BB Blood Bank
  - A Blood/Tissue/Organ donor center
- RE Data Registries
  - A Medicaid
  - B Medicare
  - C Cancer
  - D Surveillance
- VS Vital Statistics
  - A Birth Certificate
  - B Marriage Certificate
  - C Death Certificate
  - D Adoption Certificate
- OT Other Treatment Center
  - A Dialysis
  - B Hemophilia
  - C Private
  - D Substance Abuse Treatment Center
  - E Employee Health Clinic
  - F Alternate Long Term Care Center

*If a category is not relevant, it does not need to be collected. Data element categories may be expanded into more detail if they collapse into the standard.*

- ii. Storage - SOURCE is stored as a character variable with a length of two.
- iii. Electronic Data Interchange (EDI) Transmission - The value will be transmitted as a string in an EDI message, e.g. such as HL7 defines, illegitimate values will be set to missing when the message is constructed.
- iv. Dissemination - The data will be supplied in the standard format in public use datasets to facilitate integration with other datasets.

Illegitimate values will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

2. **Scope** - *a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems.

3. **Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 1999 for new systems becoming operational after that date.

Dec. 31, 1999 for versions of existing systems undergoing major modifications that will be redeployed after that date.

4. **Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code provider in a standard format to improve interoperability and reduce redundant data entry among systems and datasets.

5. **Other Applicable Standards** - *standards in existence elsewhere (if any) that apply to the proposed standard.*

a. X12 (American National Standards Institute Accredited Standards Committee X12)

DATA ELEMENTS • 1221 RELEASE • 004010

## 1221 Provider Code

Code identifying the type of provider

TYPE= **ID** MIN= **1** MAX= **3**

SEGMENTS USED IN (AS SIMPLE):

**PRV**

TRANSACTION SETS USED IN:

**270 271 275 278 834 837**

CODE DEFINITION AND EXPLANATION

**H** Hospital

**R** Rural Health Clinic

**AD** Admitting

**AS** Assistant Surgeon

**AT** Attending

**BI** Billing

**BS** Billing Service Entity provides a statement of charges of medical goods and services

**CO** Consulting

**CV** Covering

**HH** Home Health Care

**LA** Laboratory

**ON** On Staff

**OP** Operating

**OR** Ordering

**OT** Other Physician

**P1** Pharmacist

**P2** Pharmacy

**PC** Primary Care Physician

**PE** Performing

**PT** Pay-To

**PU** Purchasing

**RF** Referring

**RP** Reporting Provider

**SB** Submitting

**SK** Skilled Nursing Facility

**SU** Supervising

DECEMBER 1997 **1**

### X12N Task Group 2, Work Group Healthcare Provider Taxonomy and Provider Characteristics and Resources Taxonomy, Version 9803

#### Individual

*Behavioral Health & Social Service Providers*

|           |  |
|-----------|--|
| 101Y00000 | Counselor                                    |
| 101YA0400 | Counselor*Addiction (Substance Use Disorder) |
| 101YM0800 | Counselor*Mental Health                      |
| 101YP1600 | Counselor*Pastoral                           |
| 101YP2500 | Counselor*Professional                       |
| 101YS0200 | Counselor*School                             |
| 106H00000 | Marriage & Family Therapist                  |
| 103GC0700 | Neuropsychologist*Clinical                   |
| 103S00000 | Psychoanalyst                                |
| 103SA1800 | Psychoanalyst*Affiliate                      |
| 103SA1400 | Psychoanalyst*Associate                      |

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## CDC Common Data Element Implementation Guide - *Draft*

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103T00000 Psychologist  
103TA0400 Psychologist\*Addiction (Substance Use Disorder)  
103TA0700 Psychologist\*Adult Development & Aging  
103TB0200 Psychologist\*Behavioral  
103TC2200 Psychologist\*Child, Youth & Family  
103TC0700 Psychologist\*Clinical  
103TC1900 Psychologist\*Counseling  
103TE1000 Psychologist\*Educational  
103TE1100 Psychologist\*Exercise & Sports  
103TF0000 Psychologist\*Family  
103TF0200 Psychologist\*Forensic  
103TH0100 Psychologist\*Health  
103TM1700 Psychologist\*Men & Masculinity  
103TM1800 Psychologist\*Mental Retardation & Developmental Disabilities  
103TP2700 Psychologist\*Psychotherapy  
103TP2701 Psychologist\*Psychotherapy, Group  
103TR0400 Psychologist\*Rehabilitation  
103TS0200 Psychologist\*School  
103TW0100 Psychologist\*Women  
104100000 Social Worker  
1041C0700 Social Worker\*Clinical  
1041S0200 Social Worker\*School

### *Chiropractors*

111N00000 Chiropractor  
111NI0900 Chiropractor\*Internist  
111NN0400 Chiropractor\*Neurology  
111NN1001 Chiropractor\*Nutrition  
111NX0100 Chiropractor\*Occupational Medicine  
111NX0800 Chiropractor\*Orthopedic  
111NR0200 Chiropractor\*Radiology  
111NS0005 Chiropractor\*Sports Physician  
111NT0100 Chiropractor\*Thermography

### *Dental Service Providers*

126800000 Dental Assistant  
124Q00000 Dental Hygienist  
126900000 Dental Laboratory Technician  
122300000 Dentist  
1223D0001 Dentist\*Dental Public Health  
1223E0200 Dentist\*Endodontics  
1223X0400 Dentist\*Orthodontics  
1223P0106 Dentist\*Pathology, Oral & Maxillofacial  
1223P0221 Dentist\*Pediatrics Dentistry (Pedodontics)  
1223P0300 Dentist\*Periodontics  
1223P0700 Dentist\*Prosthodontics  
1223S0112 Dentist\*Surgery, Oral & Maxillofacial

### *Dietary & Nutritional Service Providers*

1327D0700 Dietary Manager\*Dietary Management  
136A00000 Dietetic Technician  
133V00000 Dietician, Registered  
133VN1006 Dietician, Registered\*Nutrition, Metabolic  
133VN1004 Dietician, Registered\*Nutrition, Pediatric  
133VN1005 Dietician, Registered\*Nutrition, Renal  
133N00000 Nutritionist  
133NN1002 Nutritionist\*Nutrition, Education

### *Emergency Medical Service Providers*

146N00000 Emergency Medical Technician, Basic  
146M00000 Emergency Medical Technician, Intermediate  
146L00000 Emergency Medical Technician, Paramedic

### *Eye and Vision Services Providers*

152W00000 Optometrist  
152WC0800 Optometrist\*Contact Lens  
152WL0500 Optometrist\*Low Vision

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## CDC Common Data Element Implementation Guide - *Draft*

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152WX0102 Optometrist\*Occupational Vision  
152WP0200 Optometrist\*Pediatrics  
152WS0006 Optometrist\*Sports Vision  
152WW0400 Optometrist\*Vision Therapy  
156FC0800 Technician/Technologist\*Contact Lens  
156FC0801 Technician/Technologist\*Contact Lens Fitter  
156FX1700 Technician/Technologist\*Ocularist  
156FX1100 Technician/Technologist\*Ophthalmic  
156FX1101 Technician/Technologist\*Ophthalmic Medical Assistant  
156FX1800 Technician/Technologist\*Optician  
156FX1201 Technician/Technologist\*Optometric Assistant  
156FX1202 Technician/Technologist\*Optometric Technician  
156FX1900 Technician/Technologist\*Orthoptist

*Nursing Service Providers*

164W00000 Licensed Practical Nurse  
164X00000 Licensed Vocational Nurse  
163W00000 Registered Nurse  
163WA0400 Registered Nurse\*Addiction (Substance Use Disorder)  
163WA2000 Registered Nurse\*Administrator  
163WC3500 Registered Nurse\*Cardiac Rehabilitation  
163WC0400 Registered Nurse\*Case Management  
163WC1400 Registered Nurse\*College Health  
163WC1500 Registered Nurse\*Community Health  
163WC2100 Registered Nurse\*Continence Care  
163WC1600 Registered Nurse\*Continuing Education/Staff Development  
163WC0200 Registered Nurse\*Critical Care Medicine  
163WD0400 Registered Nurse\*Diabetes Educator  
163WD1100 Registered Nurse\*Dialysis, Peritoneal  
163WE0003 Registered Nurse\*Emergency  
163WE0900 Registered Nurse\*Enterostomal Therapy  
163WF0300 Registered Nurse\*Flight  
163WG0100 Registered Nurse\*Gastroenterology  
163WG0000 Registered Nurse\*General Practice  
163WG0600 Registered Nurse\*Gerontology  
163WH0500 Registered Nurse\*Hemodialysis  
163WH0200 Registered Nurse\*Home Health  
163WH1000 Registered Nurse\*Hospice  
163WI0600 Registered Nurse\*Infection Control  
163WI0500 Registered Nurse\*Infusion Therapy  
163WL0100 Registered Nurse\*Lactation Consultant  
163WM1400 Registered Nurse\*Massage Therapy  
163WM0102 Registered Nurse\*Maternal Newborn  
163WM0705 Registered Nurse\*Medical-Surgical  
163WN0002 Registered Nurse\*Neonatal Intensive Care  
163WN0003 Registered Nurse\*Neonatal, Low-Risk  
163WN0300 Registered Nurse\*Nephrology  
163WN0800 Registered Nurse\*Neuroscience  
163WN1003 Registered Nurse\*Nutrition Support  
163WX0002 Registered Nurse\*Obstetric, High-Risk  
163WX0003 Registered Nurse\*Obstetric, Inpatient  
163WX0106 Registered Nurse\*Occupational Health  
163WX0200 Registered Nurse\*Oncology  
163WX1000 Registered Nurse\*Operating Room  
163WX1100 Registered Nurse\*Ophthalmic  
163WX0800 Registered Nurse\*Orthopedic  
163WX1500 Registered Nurse\*Ostomy Care  
163WX0601 Registered Nurse\*Otorhinolaryngology & Head-Neck  
163WP0000 Registered Nurse\*Pain Management  
163WP0218 Registered Nurse\*Pediatric Oncology  
163WP0200 Registered Nurse\*Pediatrics  
163WP1700 Registered Nurse\*Perinatal  
163WP2200 Registered Nurse\*Post-Anesthesia  
163WP2201 Registered Nurse\*Post-Anesthesia, Ambulatory  
163WP0808 Registered Nurse\*Psychiatric/Mental Health  
163WP0809 Registered Nurse\*Psychiatric/Mental Health, Adult  
163WP0807 Registered Nurse\*Psychiatric/Mental Health, Child & Adolescent  
163WR0400 Registered Nurse\*Rehabilitation

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## CDC Common Data Element Implementation Guide - *Draft*

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163WR1000 Registered Nurse\*Reproductive Endocrinology/Infertility  
163WS0200 Registered Nurse\*School  
163WS0121 Registered Nurse\*Surgery, Plastic  
163WU0100 Registered Nurse\*Urology  
163WW0101 Registered Nurse\*Women's Health Care, Ambulatory  
163WW0000 Registered Nurse\*Wound Care

### *Nursing Service Related Providers*

374T00000 Christian Science Practitioner/Nurse  
374U00000 Home Health Aide  
376J00000 Homemaker  
376K00000 Nurse's Aide  
376G00000 Nursing Home Administrator  
3747P1801 Technician\*Personal Care Attendant

### *Other Service Providers*

171100000 Acupuncturist  
171WH0202 Contractor\*Home Modifications  
172A00000 Driver  
176P00000 Funeral Director  
175L00000 Homeopath  
173000000 Legal Medicine  
175M00000 Midwife, Lay (Non-nurse)  
175F00000 Naturopath  
1744G0900 Specialist\*Graphics Designer  
1744P3200 Specialist\*Prosthetics Case Management  
1744R1103 Specialist\*Research Data Abstracter/Coder  
1744R1102 Specialist\*Research Study  
174MM1900 Veterinarian\*Medical Research

### *Pharmacy Service Providers*

183500000 Pharmacist  
1835G0000 Pharmacist\*General Practice  
1835N0905 Pharmacist\*Nuclear Pharmacy  
1835N1003 Pharmacist\*Nutrition Support  
1835P1200 Pharmacist\*Pharmacotherapy  
1835P1300 Pharmacist\*Psychopharmacy  
1847P3400 Technician\*Pharmacy

### *Physician Assistants & Advanced Practice Nursing Providers*

364S00000 Clinical Nurse Specialist  
364SA2100 Clinical Nurse Specialist\*Acute Care  
364SA2200 Clinical Nurse Specialist\*Adult Health  
364SC2300 Clinical Nurse Specialist\*Chronic Care  
364SC1501 Clinical Nurse Specialist\*Community Health/Public Health  
364SC0200 Clinical Nurse Specialist\*Critical Care Medicine  
364SE0003 Clinical Nurse Specialist\*Emergency  
364SE1400 Clinical Nurse Specialist\*Ethics  
364SF0001 Clinical Nurse Specialist\*Family Health  
364SG0600 Clinical Nurse Specialist\*Gerontology  
364SH1100 Clinical Nurse Specialist\*Holistic  
364SH0200 Clinical Nurse Specialist\*Home Health  
364SI0800 Clinical Nurse Specialist\*Informatics  
364SL0600 Clinical Nurse Specialist\*Long-Term Care  
364SM0705 Clinical Nurse Specialist\*Medical-Surgical  
364SN0000 Clinical Nurse Specialist\*Neonatal  
364SN0004 Clinical Nurse Specialist\*Neonatal, High-Risk  
364SN0800 Clinical Nurse Specialist\*Neuroscience  
364SX0106 Clinical Nurse Specialist\*Occupational Health  
364SX0200 Clinical Nurse Specialist\*Oncology  
364SX0204 Clinical Nurse Specialist\*Oncology, Pediatrics  
364SP0200 Clinical Nurse Specialist\*Pediatrics  
364SP1700 Clinical Nurse Specialist\*Perinatal  
364SP2800 Clinical Nurse Specialist\*Perioperative  
364SP0808 Clinical Nurse Specialist\*Psychiatric/Mental Health  
364SP0809 Clinical Nurse Specialist\*Psychiatric/Mental Health, Adult  
364SP0807 Clinical Nurse Specialist\*Psychiatric/Mental Health, Child & Adolescent



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## CDC Common Data Element Implementation Guide - *Draft*

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364SP0810 Clinical Nurse Specialist\*Psychiatric/Mental Health, Child & Family  
364SP0811 Clinical Nurse Specialist\*Psychiatric/Mental Health, Chronically Ill  
364SP0812 Clinical Nurse Specialist\*Psychiatric/Mental Health, Community  
364SP0813 Clinical Nurse Specialist\*Psychiatric/Mental Health, Geropsychiatric  
364SR0400 Clinical Nurse Specialist\*Rehabilitation  
364SR1300 Clinical Nurse Specialist\*Rural Health  
364SS0200 Clinical Nurse Specialist\*School  
364ST0500 Clinical Nurse Specialist\*Transplantation  
364SW0102 Clinical Nurse Specialist\*Women's Health  
366B00000 Midwife, Certified  
367500000 Nurse Anesthetist, Certified Registered  
363L00000 Nurse Practitioner  
363LA2100 Nurse Practitioner\*Acute Care  
363LA2200 Nurse Practitioner\*Adult Health  
363LC1500 Nurse Practitioner\*Community Health  
363LC0200 Nurse Practitioner\*Critical Care Medicine  
363LF0000 Nurse Practitioner\*Family  
363LG0600 Nurse Practitioner\*Gerontology  
363LN0000 Nurse Practitioner\*Neonatal  
363LN0005 Nurse Practitioner\*Neonatal: Critical Care  
363LX0001 Nurse Practitioner\*Obstetrics & Gynecology  
363LX0106 Nurse Practitioner\*Occupational Health  
363LP0200 Nurse Practitioner\*Pediatrics  
363LP0223 Nurse Practitioner\*Pediatrics: Acute Care  
363LP0222 Nurse Practitioner\*Pediatrics: Critical Care  
363LP1700 Nurse Practitioner\*Perinatal  
363LP2300 Nurse Practitioner\*Primary Care  
363LP0808 Nurse Practitioner\*Psychiatric/Mental Health  
363LS0200 Nurse Practitioner\*School  
363LW0102 Nurse Practitioner\*Women's Health  
363A00000 Physician Assistant  
363AM0700 Physician Assistant\*Medical  
363AS0400 Physician Assistant\*Surgical

### *Physicians*

203B00000 Physician/Osteopath  
203BP3700 Physician/Osteopath  
203BA0401 Physician/Osteopath\*Addiction Medicine  
203BA0000 Physician/Osteopath\*Adolescent Medicine  
203BA0001 Physician/Osteopath\*Adolescent Medicine: Family Practice  
203BA0002 Physician/Osteopath\*Adolescent Medicine: Internal Medicine  
203BA0003 Physician/Osteopath\*Adolescent Medicine: Pediatrics  
203BA0501 Physician/Osteopath\*Adolescent Only, Under 16  
203BA0502 Physician/Osteopath\*Adolescent Only, Under 21  
203BA0100 Physician/Osteopath\*Aerospace Medicine  
203BA0101 Physician/Osteopath\*Aerospace Medicine: Preventive Medicine  
203BA0503 Physician/Osteopath\*Age Specific, Greater than 1 Year Old  
203BA0504 Physician/Osteopath\*Age Specific, Newborns Only  
203BA0200 Physician/Osteopath\*Allergy  
203BA0201 Physician/Osteopath\*Allergy & Immunology  
203BA0202 Physician/Osteopath\*Allergy & Immunology: Internal Medicine  
203BA0300 Physician/Osteopath\*Anesthesiology  
203BB0000 Physician/Osteopath\*Blood Banking  
203BB0001 Physician/Osteopath\*Blood Banking & Transfusion Medicine  
203BB0100 Physician/Osteopath\*Body Imaging  
203BC0000 Physician/Osteopath\*Cardiac Electrophysiology  
203BC0001 Physician/Osteopath\*Cardiac Electrophysiology, Clinical  
203BC0100 Physician/Osteopath\*Cardiology  
203BC2500 Physician/Osteopath\*Cardiovascular Disease  
203BC0200 Physician/Osteopath\*Critical Care Medicine  
203BC0201 Physician/Osteopath\*Critical Care Medicine: Anesthesiology  
203BC0202 Physician/Osteopath\*Critical Care Medicine: Internal Medicine  
203BC0203 Physician/Osteopath\*Critical Care Medicine: OB/GYN  
203BC0300 Physician/Osteopath\*Cytogenetics, Clinical  
203BC0500 Physician/Osteopath\*Cytopathology  
203BD0100 Physician/Osteopath\*Dermatology  
203BD0101 Physician/Osteopath\*Dermatology Micrographic Surgery  
203BD0102 Physician/Osteopath\*Dermatology: Pathology

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## CDC Common Data Element Implementation Guide - *Draft*

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203BD0900 Physician/Osteopath\*Dermatopathology  
203BD0901 Physician/Osteopath\*Dermatopathology: Dermatology  
203BD0300 Physician/Osteopath\*Diabetes  
203BE0004 Physician/Osteopath\*Emergency Medicine  
203BE0100 Physician/Osteopath\*Endocrinology  
203BE0101 Physician/Osteopath\*Endocrinology, Diabetes & Metabolism  
203BE0102 Physician/Osteopath\*Endocrinology, Reproductive  
203BF0100 Physician/Osteopath\*Family Practice  
203BF0201 Physician/Osteopath\*Forensic Pathology  
203BF0202 Physician/Osteopath\*Forensic Psychiatry  
203BG0100 Physician/Osteopath\*Gastroenterology  
203BG0000 Physician/Osteopath\*General Practice  
203BG0201 Physician/Osteopath\*Genetics, Clinical (M.D.)  
203BG0202 Physician/Osteopath\*Genetics, Clinical Biochemical  
203BG0204 Physician/Osteopath\*Genetics, Clinical Biochemical/ Molecular  
203BG0203 Physician/Osteopath\*Genetics, Clinical Molecular  
203BG0200 Physician/Osteopath\*Genetics, Medical  
203BG0300 Physician/Osteopath\*Geriatric Medicine  
203BG0301 Physician/Osteopath\*Geriatric Medicine: Family Practice  
203BG0302 Physician/Osteopath\*Geriatric Medicine: General Practice  
203BG0303 Physician/Osteopath\*Geriatric Medicine: Internal Medicine  
203BG0400 Physician/Osteopath\*Gynecology  
203BH0000 Physician/Osteopath\*Hematology  
203BH0003 Physician/Osteopath\*Hematology & Oncology  
203BH0001 Physician/Osteopath\*Hematology: Internal Medicine  
203BH0002 Physician/Osteopath\*Hematology: Pathology  
203BI0001 Physician/Osteopath\*Immunology, Clinical & Laboratory  
203BI0002 Physician/Osteopath\*Immunology, Clinical & Laboratory Dermatological  
203BI0005 Physician/Osteopath\*Immunology, Clinical & Laboratory: Allergy & Immunology  
203BI0006 Physician/Osteopath\*Immunology, Clinical & Laboratory: Internal Medicine  
203BI0007 Physician/Osteopath\*Immunology, Clinical & Laboratory: Pediatric  
203BI0003 Physician/Osteopath\*Immunology, Dermatological  
203BI0004 Physician/Osteopath\*Immunology: Laboratory , Diagnostic  
203BI0100 Physician/Osteopath\*Immunopathology  
203BI0200 Physician/Osteopath\*Infectious Diseases  
203BI0400 Physician/Osteopath\*Infertility  
203BI0300 Physician/Osteopath\*Internal Medicine  
203BL0000 Physician/Osteopath\*Laboratory Medicine  
203BM0101 Physician/Osteopath\*Maternal & Fetal Medicine  
203BM0200 Physician/Osteopath\*Medical Diseases of the Chest  
203BM0300 Physician/Osteopath\*Medical Microbiology  
203BN0001 Physician/Osteopath\*Neonatal-Perinatal Medicine  
203BN0100 Physician/Osteopath\*Neonatology  
203BN0200 Physician/Osteopath\*Neopathology  
203BN0300 Physician/Osteopath\*Nephrology  
203BN0400 Physician/Osteopath\*Neurology  
203BN0402 Physician/Osteopath\*Neurology, Child  
203BN0500 Physician/Osteopath\*Neuropathology  
203BN0600 Physician/Osteopath\*Neurophysiology, Clinical  
203BN0700 Physician/Osteopath\*Neuroradiology  
203BN0901 Physician/Osteopath\*Nuclear Cardiology  
203BN0902 Physician/Osteopath\*Nuclear Imaging & Therapy  
203BN0900 Physician/Osteopath\*Nuclear Medicine Technology  
203BN0903 Physician/Osteopath\*Nuclear Medicine, In Vivo & In Vitro  
203BN0904 Physician/Osteopath\*Nuclear Radiology  
203BX0000 Physician/Osteopath\*Obstetrics  
203BX0001 Physician/Osteopath\*Obstetrics & Gynecology  
203BX0100 Physician/Osteopath\*Occupational Medicine  
203BX0104 Physician/Osteopath\*Occupational Medicine: Preventive Medicine  
203BX0105 Physician/Osteopath\*Occupational-Environmental Medicine: Preventive Medicine  
203BX0200 Physician/Osteopath\*Oncology  
203BX0201 Physician/Osteopath\*Oncology, Gynecologic  
203BX0202 Physician/Osteopath\*Oncology, Medical  
203BX0300 Physician/Osteopath\*Ophthalmology  
203BX0800 Physician/Osteopath\*Orthopedic  
203BX2100 Physician/Osteopath\*Osteopathic Manipulative Medicine, Special Proficiency  
203BX0500 Physician/Osteopath\*Otolaryngology  
203BX0900 Physician/Osteopath\*Otology

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## CDC Common Data Element Implementation Guide - *Draft*

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203BX0901 Physician/Osteopath\*Otology & Neurotology  
203BX0600 Physician/Osteopath\*Otorhinolaryngology  
203BX0601 Physician/Osteopath\*Otorhinolaryngology & Head-Neck  
203BP0000 Physician/Osteopath\*Pain Management  
203BP0001 Physician/Osteopath\*Pain Management - Anesthesiology  
203BP2900 Physician/Osteopath\*Pain Medicine  
203BP0100 Physician/Osteopath\*Pathology  
203BP0101 Physician/Osteopath\*Pathology, Anatomic  
203BP0102 Physician/Osteopath\*Pathology, Anatomic & Clinical  
203BP0103 Physician/Osteopath\*Pathology, Anatomic & Laboratory Medicine  
203BP0104 Physician/Osteopath\*Pathology, Chemical  
203BP0105 Physician/Osteopath\*Pathology, Clinical  
203BP0107 Physician/Osteopath\*Pathology, Radioisotopic  
203BP0201 Physician/Osteopath\*Pediatric Allergy & Immunology  
203BP0202 Physician/Osteopath\*Pediatric Cardiology  
203BP0203 Physician/Osteopath\*Pediatric Critical Care Medicine  
203BP0204 Physician/Osteopath\*Pediatric Emergency Medicine  
203BP0205 Physician/Osteopath\*Pediatric Endocrinology  
203BP0206 Physician/Osteopath\*Pediatric Gastroenterology  
203BP0207 Physician/Osteopath\*Pediatric Hematology Oncology  
203BP0208 Physician/Osteopath\*Pediatric Infectious Diseases  
203BP0209 Physician/Osteopath\*Pediatric Intensive Care  
203BP0220 Physician/Osteopath\*Pediatric Medical Toxicology  
203BP0210 Physician/Osteopath\*Pediatric Nephrology  
203BP0211 Physician/Osteopath\*Pediatric Neurology  
203BP0212 Physician/Osteopath\*Pediatric Otolaryngology  
203BP0213 Physician/Osteopath\*Pediatric Pathology  
203BP0214 Physician/Osteopath\*Pediatric Pulmonology  
203BP0215 Physician/Osteopath\*Pediatric Radiology  
203BP0216 Physician/Osteopath\*Pediatric Rheumatology  
203BP0200 Physician/Osteopath\*Pediatrics  
203BP2600 Physician/Osteopath\*Pharmacology, Clinical  
203BP1200 Physician/Osteopath\*Pharmacotherapy  
203BP0400 Physician/Osteopath\*Physical Medicine & Rehabilitation  
203BP0500 Physician/Osteopath\*Preventive Medicine, General  
203BP0600 Physician/Osteopath\*Proctology  
203BP0800 Physician/Osteopath\*Psychiatry  
203BP0801 Physician/Osteopath\*Psychiatry & Neurology  
203BP0802 Physician/Osteopath\*Psychiatry, Addiction  
203BP0803 Physician/Osteopath\*Psychiatry, Child  
203BP0804 Physician/Osteopath\*Psychiatry, Child & Adolescent  
203BP0805 Physician/Osteopath\*Psychiatry, Geriatric  
203BP0806 Physician/Osteopath\*Psychiatry, Pediatric  
203BP1300 Physician/Osteopath\*Psychopharmacology  
203BP0901 Physician/Osteopath\*Public Health & General Preventive Medicine  
203BP0903 Physician/Osteopath\*Public Health: Preventive Medicine  
203BP1001 Physician/Osteopath\*Pulmonary Diseases  
203BP1003 Physician/Osteopath\*Pulmonary Medicine  
203BR0001 Physician/Osteopath\*Radiation Oncology  
203BR0002 Physician/Osteopath\*Radiation Therapy  
203BR0205 Physician/Osteopath\*Radiological Physics  
203BR0200 Physician/Osteopath\*Radiology  
203BR0201 Physician/Osteopath\*Radiology, Angiography & Interventional  
203BR0202 Physician/Osteopath\*Radiology, Diagnostic  
203BR0203 Physician/Osteopath\*Radiology, Therapeutic  
203BR0204 Physician/Osteopath\*Radiology, Vascular & Interventional  
203BR0300 Physician/Osteopath\*Radium Therapy  
203BR0402 Physician/Osteopath\*Rehabilitation Medicine  
203BR0500 Physician/Osteopath\*Rheumatology  
203BR0600 Physician/Osteopath\*Rhinology  
203BR0700 Physician/Osteopath\*Roentgenology  
203BR0701 Physician/Osteopath\*Roentgenology, Diagnostic  
203BS1400 Physician/Osteopath\*Spinal Cord Injury Medicine  
203BS0000 Physician/Osteopath\*Sports Medicine  
203BS0008 Physician/Osteopath\*Sports Medicine - OMM  
203BS0001 Physician/Osteopath\*Sports Medicine: Emergency Medicine  
203BS0002 Physician/Osteopath\*Sports Medicine: Family Practice  
203BS0003 Physician/Osteopath\*Sports Medicine: Internal Medicine

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## CDC Common Data Element Implementation Guide - *Draft*

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203BS0004 Physician/Osteopath\*Sports Medicine: Pediatrics  
203BS0009 Physician/Osteopath\*Sports Medicine: Preventive Medicine  
203BS0010 Physician/Osteopath\*Sports Medicine: Rehabilitation Medicine  
203BS0104 Physician/Osteopath\*Surgery, Abdominal  
203BS0133 Physician/Osteopath\*Surgery, Cardiovascular  
203BS0101 Physician/Osteopath\*Surgery, Colon & Rectal Surgery  
203BS0123 Physician/Osteopath\*Surgery, Facial Plastic  
203BS0100 Physician/Osteopath\*Surgery, General  
203BS0129 Physician/Osteopath\*Surgery, General Vascular  
203BS0106 Physician/Osteopath\*Surgery, Hand: Orthopedic Surgery  
203BS0107 Physician/Osteopath\*Surgery, Hand: Plastic Surgery  
203BS0105 Physician/Osteopath\*Surgery, Hand: Surgery  
203BS0108 Physician/Osteopath\*Surgery, Head & Neck  
203BS0134 Physician/Osteopath\*Surgery, Micrographic  
203BS0110 Physician/Osteopath\*Surgery, Neurological  
203BS0111 Physician/Osteopath\*Surgery, Obstetric & Gynecologic  
203BS0113 Physician/Osteopath\*Surgery, Orthopedic  
203BS0114 Physician/Osteopath\*Surgery, Orthopedic, Adult Reconstructive  
203BS0115 Physician/Osteopath\*Surgery, Orthopedic, Musculoskeletal Oncology  
203BS0116 Physician/Osteopath\*Surgery, Orthopedic, Pediatric  
203BS0117 Physician/Osteopath\*Surgery, Orthopedic, Spine  
203BS0119 Physician/Osteopath\*Surgery, Orthopedic, Trauma  
203BS0130 Physician/Osteopath\*Surgery, Otorhinolaryngology & Facial Plastic Surgery  
203BS0120 Physician/Osteopath\*Surgery, Pediatric  
203BS0121 Physician/Osteopath\*Surgery, Plastic  
203BS0122 Physician/Osteopath\*Surgery, Plastic & Reconstructive  
203BS0125 Physician/Osteopath\*Surgery, Thoracic  
203BS0126 Physician/Osteopath\*Surgery, Thoracic Cardiovascular  
203BS0127 Physician/Osteopath\*Surgery, Traumatic  
203BS0128 Physician/Osteopath\*Surgery, Urological  
203BS0102 Physician/Osteopath\*Surgical Critical Care: Surgery  
203BT0100 Physician/Osteopath\*Thermography  
203BT0000 Physician/Osteopath\*Toxicology, Medical  
203BT0002 Physician/Osteopath\*Toxicology, Medical: Emergency Medicine  
203BT0001 Physician/Osteopath\*Toxicology, Medical: Preventive Medicine  
203BU0001 Physician/Osteopath\*Ultrasound, Diagnostic  
203BU0300 Physician/Osteopath\*Underseas Medicine: Preventive Medicine  
203BU0100 Physician/Osteopath\*Urology

*Physicians (Other Roles)*  
353BL0002 Physician/Osteopath\*Laboratory Service Provider  
353BS0900 Physician/Osteopath\*Supplier

*Podiatric Medicine & Surgery Service Providers*  
211D00000 Assistant, Podiatric  
213E00000 Podiatrist  
213EG0000 Podiatrist\*General Practice  
213EP0504 Podiatrist\*Preventive Medicine: Public Health  
213EP1101 Podiatrist\*Primary Podiatric Medicine  
213ER0200 Podiatrist\*Radiology  
213ES0000 Podiatrist\*Sports Medicine  
213ES0131 Podiatrist\*Surgery, Foot  
213ES0103 Podiatrist\*Surgery, Foot & Ankle

*Respiratory, Rehabilitative & Restorative Service Providers*  
221700000 Art Therapist  
225600000 Dance Therapist  
226300000 Kinesiotherapist  
225700000 Massage Therapist  
225A00000 Music Therapist  
225X00000 Occupational Therapist  
225XC0400 Occupational Therapist\*Case Management  
225XE1200 Occupational Therapist\*Ergonomics  
225XH1200 Occupational Therapist\*Hand  
225XH1300 Occupational Therapist\*Human Factors  
225XN1300 Occupational Therapist\*Neurorehabilitation  
225XP0200 Occupational Therapist\*Pediatrics

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## CDC Common Data Element Implementation Guide - *Draft*

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| 225XR0403   | Occupational Therapist*Rehabilitation, Driver   |
| 224Z00000   | Occupational Therapy Assistant  |
| 225000000   | Orthotics/Prosthetics Fitter  |
| 222Z00000   | Orthotist   |
| 225100000   | Physical Therapist  |
| 2251C2600   | Physical Therapist*Cardiopulmonary  |
| 2251C0400   | Physical Therapist*Case Management  |
| 2251E1300   | Physical Therapist*Electrophysiology, Clinical  |
| 2251E1200   | Physical Therapist*Ergonomics   |
| 2251G0304   | Physical Therapist*Geriatrics   |
| 2251H1200   | Physical Therapist*Hand   |
| 2251H1300   | Physical Therapist*Human Factors  |
| 2251N0400   | Physical Therapist*Neurology  |
| 2251X0800   | Physical Therapist*Orthopedic   |
| 2251P0200   | Physical Therapist*Pediatrics   |
| 2251S0007   | Physical Therapist*Sports   |
| 225200000   | Physical Therapy Assistant  |
| 224P00000   | Prosthetist   |
| 225B00000   | Pulmonary Function Technologist   |
| 225800000   | Recreation Therapist  |
| 225C00000   | Rehabilitation Counselor  |
| 225CA2400   | Rehabilitation Counselor*Assistive Technology Practitioner                            |
| 225CA2500   | Rehabilitation Counselor*Assistive Technology Supplier                                |
| 225400000   | Rehabilitation Practitioner   |
| 225900000   | Respiratory Therapist   |
| 2259P1700   | Respiratory Therapist*Perinatal   |
| 2255A2300   | Specialist/Technologist*Athletic Trainer  |
| 2255R0406   | Specialist/Technologist*Rehabilitation, Blind   |
| <br>  |   |
| <i>Speech, Language and Hearing Service Providers</i>           |   |
| 231H00000   | Audiologist   |
| 231HA2400   | Audiologist*Assistive Technology Practitioner   |
| 231HA2500   | Audiologist*Assistive Technology Supplier   |
| 237600000   | Audiologist-Hearing Aid Fitter  |
| 237700000   | Hearing Instrument Specialist   |
| 2355A2700   | Specialist/Technologist*Audiology Assistant   |
| 2355S0801   | Specialist/Technologist*Speech-Language Assistant                                     |
| 235Z00000   | Speech-Language Pathologist   |
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| <i>Technologists, Technicians &amp; Other Technical Service</i> |   |
| 2471C1101   | Radiologic Technologist*Cardiovascular-Interventional Technology: Radiography         |
| 2471C3401   | Radiologic Technologist*Computed Tomography: Radiation Therapy                        |
| 2471C3402   | Radiologic Technologist*Computed Tomography: Radiography                              |
| 2471D1300   | Radiologic Technologist*Dosimetrist, Medical  |
| 2471M1201   | Radiologic Technologist*Magnetic Resonance Imaging (MRI): Radiation Therapy           |
| 2471M1202   | Radiologic Technologist*Magnetic Resonance Imaging (MRI): Radiographer                |
| 2471M2300   | Radiologic Technologist*Mammography: Radiography                                      |
| 2471N0900   | Radiologic Technologist*Nuclear Medicine Technology                                   |
| 2471Q0001   | Radiologic Technologist*Quality Management: Radiation Therapy                         |
| 2471Q0002   | Radiologic Technologist*Quality Management: Radiographer                              |
| 2471R0003   | Radiologic Technologist*Radiation Physicist   |
| 2471R0002   | Radiologic Technologist*Radiation Therapy   |
| 2471R1500   | Radiologic Technologist*Radiographer  |
| 2471S1302   | Radiologic Technologist*Sonography, Diagnostic Medical                                |
| 246VC0100   | Specialist/Technologist, Cardiology*Cardiology  |
| 246VC2400   | Specialist/Technologist, Cardiology*Cardiopulmonary-Cardiovascular                    |
| 246VC2901   | Specialist/Technologist, Cardiology*Cardiovascular: Invasive Technology               |
| 246VC2902   | Specialist/Technologist, Cardiology*Cardiovascular: Noninvasive Technology            |
| 246VC2903   | Specialist/Technologist, Cardiology*Cardiovascular: Vascular Technology               |
| 246VP3600   | Specialist/Technologist, Cardiology*Perfusionist                                      |
| 246VS1301   | Specialist/Technologist, Cardiology*Sonography, Diagnostic Cardiac                    |
| 246VV0100   | Specialist/Technologist, Cardiology*Vascular  |
| 246YC3301   | Specialist/Technologist, Health Information*Coding Specialist, Hospital Based         |
| 246YC3302   | Specialist/Technologist, Health Information*Coding Specialist, Physician Office Based |
| 246YR1600   | Specialist/Technologist, Health Information*Registered Record Administrator           |
| 246ZA2600   | Specialist/Technologist, Other*Art, Medical   |
| 246ZB0500   | Specialist/Technologist, Other*Biochemist   |

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## CDC Common Data Element Implementation Guide - *Draft*

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246ZB0301 Specialist/Technologist, Other\*Biomedical Engineering  
246ZB0302 Specialist/Technologist, Other\*Biomedical Photographer  
246ZB0600 Specialist/Technologist, Other\*Biostatistician  
246ZE0500 Specialist/Technologist, Other\*EEG  
246ZE0600 Specialist/Technologist, Other\*Electroneurodiagnostic  
246ZF0200 Specialist/Technologist, Other\*Forensic  
246ZG1000 Specialist/Technologist, Other\*Geneticist, Medical (PhD)  
246ZG0701 Specialist/Technologist, Other\*Graphics Methods  
246ZI1000 Specialist/Technologist, Other\*Illustration, Medical  
246ZN0300 Specialist/Technologist, Other\*Nephrology  
246ZS0400 Specialist/Technologist, Other\*Surgical  
246ZV0500 Specialist/Technologist, Other\*Virology  
246QB0000 Specialist/Technologist, Pathology\*Blood Banking  
246QC1000 Specialist/Technologist, Pathology\*Chemistry  
246QC2700 Specialist/Technologist, Pathology\*Cytotechnology  
246QH0401 Specialist/Technologist, Pathology\*Hemapheresis Practitioner  
246QH0000 Specialist/Technologist, Pathology\*Hematology  
246QH0600 Specialist/Technologist, Pathology\*Histology  
246QI0000 Specialist/Technologist, Pathology\*Immunology  
246QL0900 Specialist/Technologist, Pathology\*Laboratory Management  
246QL0901 Specialist/Technologist, Pathology\*Laboratory Management, Diplomate  
246QM0706 Specialist/Technologist, Pathology\*Medical Technologist  
246QM0900 Specialist/Technologist, Pathology\*Microbiology  
246WC3000 Technician, Cardiology\*Cardiographic  
246WE0400 Technician, Cardiology\*ECG  
2470A2800 Technician, Health Information\*Assistant Record Technician  
2472B0301 Technician, Other\*Biomedical Engineering  
2472D0500 Technician, Other\*Darkroom  
2472E0500 Technician, Other\*EEG  
2472R0900 Technician, Other\*Renal Dialysis  
2472V0600 Technician, Other\*Veterinary  
246RH0600 Technician, Pathology\*Histology  
246RM2200 Technician, Pathology\*Medical Laboratory  
246RP1900 Technician, Pathology\*Phlebotomy

### **Non-Individual**

#### *Agencies*

2514C0400 Agency\*Case Management  
2514H0200 Agency\*Home Health  
2514H0201 Agency\*Home Infusion  
2514H0300 Agency\*Hospice Care, Community Based  
2514N1101 Agency\*Nursing Care  
2514P0906 Agency\*Public Health or Welfare  
2514V0001 Agency\*Voluntary or Charitable

#### *Ambulatory Health Care Facilities*

261QA0600 Clinic/Center\*Adult Day Care  
261QA1903 Clinic/Center\*Ambulatory Surgical  
261QB0400 Clinic/Center\*Birthing  
261QC1500 Clinic/Center\*Community Health  
261QC1800 Clinic/Center\*Corporate Health  
261QD0000 Clinic/Center\*Dental  
261QE0002 Clinic/Center\*Emergency Care  
261QE0700 Clinic/Center\*End-Stage Renal Disease (ESRD) Treatment  
261QE0800 Clinic/Center\*Endoscopy  
261QF0400 Clinic/Center\*Federally Qualified Health Center (FQHC)  
261QH0100 Clinic/Center\*Health  
261QI0500 Clinic/Center\*Infusion Therapy  
261QL0400 Clinic/Center\*Lithotripsy  
261QM1200 Clinic/Center\*Magnetic Resonance Imaging (MRI)  
261QM0801 Clinic/Center\*Mental Health (Including Community Mental Health Center)  
261QM1000 Clinic/Center\*Migrant Health  
261QM1100 Clinic/Center\*Military  
261QM1101 Clinic/Center\*Military Expanded Services  
261QM1102 Clinic/Center\*Military Operational Component  
261QM1300 Clinic/Center\*Multi-Specialty  
261QX0100 Clinic/Center\*Occupational Medicine

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## CDC Common Data Element Implementation Guide - *Draft*

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261QX0203 Clinic/Center\*Oncology, Radiation  
261QP3300 Clinic/Center\*Pain  
261QP2000 Clinic/Center\*Physical Therapy  
261QP1100 Clinic/Center\*Podiatric  
261QP2300 Clinic/Center\*Primary Care  
261QP2400 Clinic/Center\*Prison Health  
261QP0904 Clinic/Center\*Public Health, Federal  
261QP0905 Clinic/Center\*Public Health, State or Local  
261QR0200 Clinic/Center\*Radiology  
261QR0206 Clinic/Center\*Radiology: Mammography  
261QR0208 Clinic/Center\*Radiology: Mobile  
261QR0207 Clinic/Center\*Radiology: Mobile Mammography  
261QR0800 Clinic/Center\*Recovery Care  
261QR0400 Clinic/Center\*Rehabilitation  
261QR0401 Clinic/Center\*Rehabilitation, Comprehensive Outpatient Rehabilitation Facility (CORF)  
261QR0405 Clinic/Center\*Rehabilitation, Substance Use Disorder  
261QR0404 Clinic/Center\*Rehabilitation: Cardiac Facilities  
261QR1100 Clinic/Center\*Research  
261QR1300 Clinic/Center\*Rural Health  
261QS1200 Clinic/Center\*Sleep Disorder Diagnostic  
261QS1000 Clinic/Center\*Student Health  
261QS0132 Clinic/Center\*Surgery, Ophthalmologic  
261QS0112 Clinic/Center\*Surgery, Oral & Maxillofacial  
261QU0200 Clinic/Center\*Urgent Care  
261QV0200 Clinic/Center\*VA

*Hospital Units*  
275N00000 Medicare Defined Swing Bed Unit  
273R00000 Psychiatric Unit  
273Y00000 Rehabilitation Unit  
276400000 Rehabilitation, Substance Use Disorder Unit

*Hospitals*  
287300000 Christian Science Sanatorium  
281P00000 Chronic Disease Hospital  
281PC2000 Chronic Disease Hospital\*Children  
282N00000 General Acute Care Hospital  
282NC2000 General Acute Care Hospital\*Children  
282NR1301 General Acute Care Hospital\*Rural  
282NW0100 General Acute Care Hospital\*Women  
2865C1500 Military Hospital\*Community Health  
2865M2000 Military Hospital\*Medical Center  
2865X1600 Military Hospital\*Operational Component Facility  
283Q00000 Psychiatric Hospital  
283X00000 Rehabilitation Hospital  
283XC2000 Rehabilitation Hospital\*Children  
284300000 Special Hospital

*Laboratories*  
291U00000 Clinical Medical Laboratory  
292200000 Dental Laboratory  
293D00000 Physiological Laboratory

*Managed Care Organizations*  
302F00000 Exclusive Provider Organization  
302R00000 Health Maintenance Organization  
305S00000 Point of Service  
305R00000 Preferred Provider Organization

*Nursing & Custodial Care Facilities*  
311500000 Alzheimer Center (Dementia Center)  
317400000 Christian Science Facility  
311Z00000 Custodial Care Facility  
315D00000 Hospice, Inpatient  
315P00000 Intermediate Care Facility, Mentally Retarded  
313M00000 Nursing Facility/Intermediate Care Facility

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## CDC Common Data Element Implementation Guide - *Draft*

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314000000 Skilled Nursing Facility

*Residential Treatment Facilities*

323P00000 Psychiatric Residential Treatment Facility  
322D00000 Residential Treatment Facility for Emotionally Disturbed Children  
324500000 Substance Use Rehabilitation Facility

*Suppliers*

331I00000 Blood Bank  
332B00000 Durable Medical Equipment & Medical Supplies  
332BC3200 Durable Medical Equipment & Medical Supplies\*Customized Equipment  
332BD1200 Durable Medical Equipment & Medical Supplies\*Dialysis Equipment & Supplies  
332BN1400 Durable Medical Equipment & Medical Supplies\*Nursing Facility Supplies  
332BX2000 Durable Medical Equipment & Medical Supplies\*Oxygen Equipment & Supplies  
332BP3500 Durable Medical Equipment & Medical Supplies\*Parenteral & Enteral Nutrition  
332G00000 Eye Bank  
332H00000 Eyewear Supplier (Equipment, not the service)  
332S00000 Hearing Aid Equipment  
332U00000 Home Delivered Meals  
335U00000 Organ Procurement Organization  
333600000 Pharmacy  
335V00000 Portable X-Ray Supplier  
335E00000 Prosthetic/Orthotic Supplier

*Transportation Services*

3416A0800 Ambulance\*Air  
3416L0300 Ambulance\*Land  
3416S0300 Ambulance\*Sea  
343900000 Medical Transport (Van)  
344600000 Taxi

**6. Exceptions** - *elaboration, if needed, of Scope and Effective Date (above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i ([Collection](#)).



## Education

|  |
|--|
| Status: Internal Review<br>Version: 3<br>Date: 11/9/1999 |
|--|

**Definition of Variable:** Education level.

**Comment:** This standard is consistent with standards from the Bureau of the Census. Individuals with foreign educations will map into this standard according to the UNESCO ISCED (International Standard Classification of Education) referenced in this document.

1. **Proposal Description** - *a specific description of what standard is being proposed.*

Recommended name: EDUC

The data item can vary according to the four states of processing:

i. Collection - Education fields are coded:

01 = No schooling completed

*Level 0 - Pre-primary education*

02 = Nursery school

*Level 1 - Primary education or first stage of basic education*

03 = 1<sup>st</sup> to 4<sup>th</sup> grade

04 = 5<sup>th</sup> grade or 6<sup>th</sup> grade

*Level 2 - Lower secondary or second stage of basic education*

05 = 7<sup>th</sup> grade or 8<sup>th</sup> grade

*Level 3 - (Upper) secondary education*

06 = 9<sup>th</sup> grade

07 = 10<sup>th</sup> grade  
08 = 11<sup>th</sup> grade  
09 = 12<sup>th</sup> grade, No Diploma  
10 = High school graduate - high school diploma or the equivalent (GED)

*Level 4 - Post-secondary non-tertiary education*

11 = Associate degree (AA, AS) or occupational/vocational program

*Level 5 - First stage of tertiary education*

12 = Some college credit, but less than 1 year  
13 = 1 or more years of college, no degree  
14 = Bachelor's degree (BA, AB, BS)  
15 = Master's degree (MA, MS, MEng, MEd, MSW, MBA)

*Level 6 - Second stage of tertiary education*

16 = Professional degree (MD, DDS, DVM, LLB, JD)  
17 = Doctorate degree (PhD, EdD)

*If a category is not relevant, it does not need to be collected. Data element categories may be expanded into more detail if they collapse into the standard.*

- ii. Storage - EDUC is stored as a character variable with a length of two.
- iii. Electronic Data Interchange (EDI) Transmission - The value will be transmitted as a string in an EDI message, e.g. such as HL7 defines, illegitimate values will be set to missing when the message is constructed.
- iv. Dissemination - The data will be supplied in the standard format in public use datasets to facilitate integration with other datasets. Illegitimate values will need to be adequately documented or set to missing. Data elements may be presented in aggregate form if doing so is necessary to preclude indirect identification of individual patient records.

2. **Scope** - *a description or list of which CDC/ATSDR information systems, databases, and data sets will be affected by the proposal.*

All CDC/ATSDR information systems, databases, data sets, and surveillance systems.

3. **Effective Date** - *the date the standard goes into effect. Important: It will be necessary to know if the proposed standard will affect only future systems to be developed; will require current systems to become compliant only when they are undergoing modification; or will require that all systems will be required to be modified by a certain given date.*

Dec. 31, 1999 for new systems becoming operational after that date.

Dec. 31, 1999 for versions of existing systems undergoing major modifications that will be redeployed after that date.

4. **Purpose** - *the principal reason(s) for proposing the standard (e.g. legislative action, better interoperability with other systems, etc.)*

To code education in a standard format to improve interoperability and reduce redundant data entry among systems and datasets.

5. **Other Applicable Standards** - *standards in existence elsewhere (if any) that apply to the proposed standard.*

- a. Bureau of the Census

*Current Population Survey*

31 = Less than 1<sup>st</sup> grade  
32 = 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, or 4<sup>th</sup> grade  
33 = 5<sup>th</sup> or 6<sup>th</sup> grade  
34 = 7<sup>th</sup> or 8<sup>th</sup> grade  
35 = 9<sup>th</sup> grade

- 36 = 10<sup>th</sup> grade
- 37 = 11<sup>th</sup> grade
- 38 = 12<sup>th</sup> grade No Diploma
- 39 = High school graduate (Diploma, GED, or Equivalent)
- 40 = Some college but no degree
- 41 = Associate degree in college  
(Occupational/vocational program)
- 42 = Associate degree in college (Academic program)
- 43 = Bachelor's degree (BA, AB, BS)
- 44 = Master's degree (MA, MS, MEng, MEd, MSW, MBA)
- 45 = Professional school degree (MD, DDS, DVM, LLB, JD)
- 46 = Doctorate degree (PhD, EdD)

*Census 2000*

- No schooling completed
- Nursery school to 4<sup>th</sup> grade
- 5<sup>th</sup> grade or 6<sup>th</sup> grade
- 7<sup>th</sup> grade or 8<sup>th</sup> grade
- 9<sup>th</sup> grade
- 10<sup>th</sup> grade
- 11<sup>th</sup> grade
- 12<sup>th</sup> grade, No Diploma
- High school graduate - high school diploma or the equivalent (GED)
- Some college credit, but less than 1 year
- 1 or more years of college, no degree
- Associate degree (AA, AS)
- Bachelor's degree (BA, AB, BS)
- Master's degree (MA, MS, MEng, MEd, MSW, MBA)
- Professional degree (MD, DDS, DVM, LLB, JD)
- Doctorate degree (PhD, EdD)

b. NCVHS (National Committee on Vital and Health Statistics)

Years of schooling - Highest grade of schooling completed by the enrollee/patient. For children under the age of 18, the mother's highest grade of schooling completed should be obtained.

c. NCES (National Center for Education Statistics)

<http://nces.ed.gov/pubs/eiip/eiip.html>

d. UNESCO (United Nations Educational, Scientific, and Cultural Organization)

*ISCED (International Standard Classification of Education)*

<http://unesco.org/unesco/stat/Documents/isced.asp>

Level 0 - Pre-primary education

Level 1 - Primary education or first stage of basic education

Level 2 - Lower secondary or second stage of basic education

Level 3 - (Upper) secondary education

Level 4 - Post-secondary non-tertiary education

Level 5 - First stage of tertiary education

Level 6 - Second stage of tertiary education

e. NCHS (National Center for Health Statistics)

*(proposed categories)*

8th grade or less

9th-12th grade; no diploma

High school graduate or GED completed

One or more years of college; no degree

Associate degree (e.g. AA, AS)

Bachelor's degree (e.g., BA, AB, BS)

Master's degree (e.g. MA, MS, MEng, MEd, MSW, MBA)

Doctorate (e.g. PhD, EdD) or Professional degree (e.g. MD, DDS, DVM, LLB, JD)

## 6. **Exceptions** - *elaboration, if needed, of Scope and Effective Date*

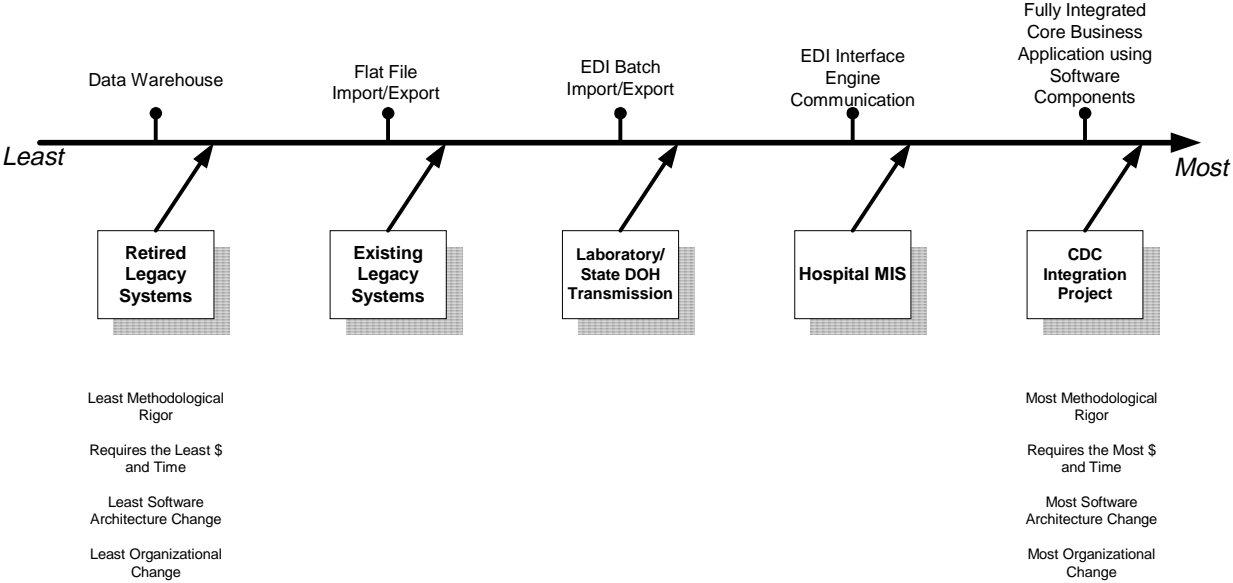
*(above). For example, a system for which no new data will be added after a future date may be justifiably exempted from compliance.*

Developers of non-CDC-supported systems are encouraged to comply with these standards, especially 1.i (Collection).

### 3. Integration- *Value Storage vs. Transmission*

- a. **Integration:**
  - b. System integration is a process of enabling some degree of computer system interoperability. Systems needing to be integrated with other systems will enter the process at some point on a continuum of architectural development (See figure below). Some systems will remain at the point of entry while others will evolve towards a higher level of integration. For some systems, data warehousing or mapping to EDI standards for transmission will be sufficient. Other groups of systems may strive for data and software integration at a higher level.
  - c. Systems may not use the same data element standards, not having agreement on the value domains (or representations) for data elements. The ISO 11179 standard for metadata registries addresses these issues.
  - i. The CDC is facilitating convergence of data element definitions and minimize the development of de facto standards that makes integration and data sharing difficult.

# Integration Continuum





## 4. Data Dictionary

The CDE Implementation Guide<sup>1</sup> provides the background and the proposals developed for the data elements. Requests have been made for electronic versions of the information by developers which would be suitable for computer programming. Others have asked for guidance on developing tables to submit for incorporation in the standards. This document is a *hypothetical* proposal for the organization of data element standards in a format that is compatible with emerging standards which will address those needs, as well as, facilitate mapping between data elements, EDI, and data element maintenance.

A taxonomy for data element information, or metadata, helps reduce ambiguity and duplicative data elements in data dictionaries. It is based on standards from ASTM E 1384<sup>2</sup>, HL7<sup>3</sup>, and ANSI X3.285 (ISO 11179)<sup>4</sup>. The taxonomy needs verification by system modeling and is subject to change. Similar taxonomies have been developed by the EPA, Census, and Australian Institute of Health and Welfare.

### a. Submission process:

- b. The data elements will be developed in the HISSB Standards Committee or workgroup of domain experts.
- c. Data elements will follow the established approval process for CDEs including development of a proposal.

## 5. Organization:

- a. General
  - i. All data elements will be classified, identified and described.
  - ii. No data element identifiers will be reused.
  - iii. A semi-annual version of the data dictionary will be produced.
  - iv. The data dictionary will be identified with a version name, e.g. '1998B'.
- b. Data Dictionary
  - i. The data dictionary is sorted by data element identifier (DI).
  - ii. The DI prefix corresponds to the type of variable, e.g. Clinical, Demographic, etc.
  - iii. Tables are identified by a '000' suffix in the DI.
  - iv. Each type, e.g. Clinical, Demographic, etc., can contain 999 data elements or tables. Each table can contain 999 values in its' domain.

**6. Distribution:**

The data element database will be distributed via the Internet or in a Microsoft Access format.

## CDC Common Data Element Implementation Guide - *Draft*

| Taxa    |                   |             |         |                             |        |         |         |           |            |            |              |                     |                  |                     |
|---------|-------------------|-------------|---------|-----------------------------|--------|---------|---------|-----------|------------|------------|--------------|---------------------|------------------|---------------------|
| Entity  | Object Class      | Type*       | Table   | Data Element Identifier(DI) | Name   | Synonym | Version | Datatype  | Max Length | Min Length | Value Domain | Definition          | Validation Rules | Steward**           |
| Person  |                   | Demographic | 002-101 | 002-101-000                 | SEX    | GENDER  | 1       | Character | 1          | 1          |              | Sex                 |                  | Standards Committee |
|         |                   |             | 002-101 | 002-101-001                 |        |         |         |           |            |            | M            | Male                |                  |                     |
|         |                   |             | 002-101 | 002-101-002                 |        |         |         |           |            |            | F            | Female              |                  |                     |
|         |                   |             | 002-101 | 002-101-003                 |        |         |         |           |            |            | O            | Other               |                  |                     |
|         |                   |             | 002-101 | 002-101-004                 |        |         |         |           |            |            | U            | Unknown             |                  |                     |
|         |                   |             | 002-101 | 002-101-005                 |        |         |         |           |            |            | 1            | Male                |                  |                     |
|         |                   |             | 002-101 | 002-101-006                 |        |         |         |           |            |            | 2            | Female              |                  |                     |
|         |                   |             | 002-101 | 002-101-007                 |        |         |         |           |            |            | 3            | Other               |                  |                     |
|         |                   |             | 002-101 | 002-101-008                 |        |         |         |           |            |            | 9            | Unknown             |                  |                     |
| Disease | AIDS              | Clinical    | 003-101 | 003-101-000                 | HIV    |         | 2       | Character | 1          | 1          |              | HIV Status          |                  | DHAP                |
|         |                   |             | 003-101 | 003-101-001                 |        |         |         |           |            |            | P            | Positive            |                  |                     |
|         |                   |             | 003-101 | 003-101-002                 |        |         |         |           |            |            | N            | Negative            |                  |                     |
|         |                   |             | 003-101 | 003-101-003                 |        |         |         |           |            |            | I            | Indeterminate       |                  |                     |
| Disease |                   | Clinical    | 003-102 | 003-102-000                 | CLASS  |         | 2       | Character | 1          | 1          |              | Case Classification |                  | EPO                 |
|         |                   |             | 003-102 | 003-102-001                 |        |         |         |           |            |            | 1            | Confirmed           |                  |                     |
|         |                   |             | 003-102 | 003-102-002                 |        |         |         |           |            |            | 2            | Probable            |                  |                     |
|         |                   |             | 003-102 | 003-102-003                 |        |         |         |           |            |            | 3            | Suspect             |                  |                     |
| Disease | Date of Diagnosis | Clinical    |         | 003-103-001                 | DATEDX |         | 1       | Date      |            |            |              | Date of Diagnosis   | >DOB             | Standards Committee |

## CDC Common Data Element Implementation Guide - *Draft*

|         |                    |          |  |             |        |  |   |         |   |   |  |                    |      |                     |
|---------|--------------------|----------|--|-------------|--------|--|---|---------|---|---|--|--------------------|------|---------------------|
| Disease | Year of Diagnosis  | Clinical |  | 003-104-001 | DDX_YR |  | 1 | Numeric | 4 | 4 |  | Year of Diagnosis  |      | Standards Committee |
| Disease | Month of Diagnosis | Clinical |  | 003-105-001 | DDX_MO |  | 1 | Numeric | 2 | 2 |  | Month of Diagnosis | 1-12 | Standards Committee |
| Disease | Day of Diagnosis   | Clinical |  | 003-106-001 | DDX_DY |  | 1 | Numeric | 2 | 2 |  | Day of Diagnosis   | 1-31 | Standards Committee |

\*System = 001  
 Demographic = 002  
 Clinical = 003

\*\*Standards Committee = CDC HISSB Standards Committee  
 EPO = Epidemiology Program Office  
 DHAP = Division of HIV/AIDS Prevention - Surveillance and Epidemiology

### References:

|                                       |   |
|---------------------------------------|---|
| CDE Implementation Guide <sup>1</sup> | <a href="http://www.cdc.gov/data/index.htm">http://www.cdc.gov/data/index.htm</a>   |
| ASTM E 1384 <sup>2</sup>              | <a href="http://www.astm.org/">http://www.astm.org/</a>   |
| HL7 <sup>3</sup>                      | <a href="http://www.hl7.org/">http://www.hl7.org/</a>   |
| ANSI X3.285 <sup>4</sup>              | <a href="http://web.ansi.org/default_js.htm">http://web.ansi.org/default_js.htm</a>   |
|                                       | <a href="ftp://sdct-sunsv1.ncsl.nist.gov/x318/x318docs/x3.285/docs/dpX3-285.doc">ftp://sdct-sunsv1.ncsl.nist.gov/x318/x318docs/x3.285/docs/dpX3-285.doc</a> |
| ISO 11179                             | <a href="http://www.iso.ch/welcome.html">http://www.iso.ch/welcome.html</a>   |
|                                       | <a href="ftp://sdct-sunsv1.ncsl.nist.gov/x318/11179/11179-1.doc">ftp://sdct-sunsv1.ncsl.nist.gov/x318/11179/11179-1.doc</a>                                 |

### Examples:

|  |   |
|--|---|
| Australian Institute of Health and Welfare | <a href="http://www.aihw.gov.au/links/nhiklink/index.html">http://www.aihw.gov.au/links/nhiklink/index.html</a> |
| Environmental Protection Agency            | <a href="http://www.epa.gov/edr/">http://www.epa.gov/edr/</a>   |

### **NLM's Advice on Unique Numbering of Concepts in Vocabularies and Classification Systems**

1. Assign a single unique identifier to each discrete concept in your system. For example, if a single intervention "Verifies allergies" is displayed in multiple places because it is related to multiple outcomes it should still have only one unique identifier.
2. Never change the unique identifier for a concept. Changes in unique identifiers over time complicate longitudinal studies and/or lead to increased data maintenance. If the preferred name of the concept changes but the meaning remains the same, retain the same unique identifier.
3. If a concept becomes outdated or no longer needed for any reason, flag it as obsolete but do not delete it or its unique identifier from the official version of the system. This will insure accurate interpretation of retrospective data that may involve the obsolete concept.
4. Under NO circumstances should a unique identifier previously used for one concept be reassigned to another concept.
5. Use unique identifiers that have no intrinsic meaning. For example, do not assign to interventions unique identifiers in which the first characters denote the outcome to which the intervention is related. Such an approach is not workable in cases like "Verifies allergies" anyway, and it is highly likely to lead to the need to change the identifiers over time.
6. If hierarchical numbering and arrangement of your concepts is desirable (as it may well be), use a hierarchical code attribute in addition to the unique identifier. Allow an individual concept to have more than one hierarchical code, if appropriate. This approach is used in NLM's own Medical Subjects Heading (MeSH), the thesaurus used to index articles for MEDLINE and other NLM databases.

To illustrate, the MeSH unique identifier for Pulmonary Tuberculosis is D014397. This number has no intrinsic meaning, and it never changes. Pulmonary Tuberculosis also has more than one hierarchical code or "tree number" (as they are called in MeSH), e.g., C8.381.922, which puts it in the hierarchy of respiratory diseases, and C1.252.410.40.552.846.899, which puts it in the hierarchy of bacterial infections. The hierarchical numbers are used to display concepts in arrangements that are helpful to MeSH users and to facilitate retrieval of classes of concepts. In contrast to the unique identifier, the hierarchical numbers can change from year to year to accommodate the insertion of new concepts or to represent changes in the way experts view the organization of concepts in their fields.

## 5. References

**Duke University Medical Center Information Center Home Page**

<http://www.mcis.duke.edu/>

**Logical Observation Identifier Names and Codes(LOINC)**

<http://www.mcis.duke.edu/standards/HL7/termcode/loinclab/loinc.html>

**Health Care Financing Administration (HCFA)**

<http://www.mcis.duke.edu/standards/government-organizations/hcfa.htm>

**ANSI X12**

<http://www.mcis.duke.edu/standards/X12N/x12.htm>

**Health Level 7 (HL7)**

<http://www.hl7.org>

**National Standards Systems Network (NSSN) - Search for standards**

<http://www.nssn.org/>

**National Committee on Vital and Health Statistics (NCVHS)**

<http://aspe.os.dhhs.gov/NCVHS/>

**X12 Implementaton Guides**

<http://www.wpc-edi.com/pubs.cfm?pub=001>

**U.S. Census**

<http://www.census.gov/>

**American National Standards Institute(ANSI)**

<http://www.ansi.org/>

**Data Interchange Standards Association (DISA) - X12**

<http://www.disa.org/>

**International Organization for Standardization (ISO) ISO Standard 3166 - Countries**

<http://www.hike.te.chiba-u.ac.jp/ikeda/ISO/home.html>

**American Medical Informatics Association (AMIA)**

<http://www.amia.org/>

**Medical Records Institute (MRI)**

<http://www.medrecinst.com/>

**Systematized Nomenclature of Human and Veterinary Medicine (SNOMED)**

<http://snomed.org/>