

Healthcare Informatics Standards Board

United States Health Information
Knowledgebase (USHIK)

Metadata Registry Project

20 August 2001

Glenn M. Sperle

410 786-4610 / gsperle@cms.hhs.gov

Preview

- Provide Background and Status of Metadata Registry Project
- Review
 - Vision
 - Current Status
 - Metadata Registry Overview
 - Future
- Demonstration

What is national health information?

National health information is information that either is national in coverage or has national relevance and relates to:

- the health of the population
- the determinants of the population's health, including external factors and those internal to individuals
- health programs or health services, covering information on the nature of the services provided and their management, resourcing, accessibility, use and effectiveness
- the relationships among these elements.

Why is it needed?

- Health information is needed by consumers and providers of health services, the health industry, governments and the community to enable informed decision making.
- Consumers need information to guide their decisions to seek care, modify their behaviour, choose between different treatment options and understand the care they are receiving.
- Providers of health services need information about the needs of the populations they serve, the effectiveness of their interventions and for whom they are effective, and the acceptability of these interventions to the community.
- Providers also require nationally consistent information to be able to compare the effectiveness and efficiency of their operations with those of their peers.
- The health industry and governments need information to make decisions about how to provide services equitably, efficiently and effectively, and to monitor health service financing, performance and health outcomes

Why a metadata registry for health?

- To provide a common vocabulary and architecture for health information in America that will enable better quality health information to be produced, which will, in turn, result in better health for Americans

Metadata Registry Project

Vision: To provide and maintain a metadata registry of health information data element definitions, values, and information models which will enable browsing, comparison, synchronization, and harmonization within a uniform query and interface environment.

Metadata Registry Project

Scope: The registry will be initially populated with the data elements and information models of Standards Development Organizations (SDO), in such a way that public and private organizations can harmonize their information formats with SDO driven standards.

Current Status (i)

- The Healthcare Informatics Standards Board (HISB), seven Standards Development Organizations (SDOs), and six other organizations are participating loading and enhancing a metadata registry.
- The Mayo Foundation is managing a HISB work unit that oversees the USHIK project.

Current Status (ii)

- The Centers for Medicare & Medicaid Services and the Department of Defense, Health Affairs are providing operational support.
 - Funding to continue enhancements and operations for next year is now in place

Current Status (iii)

- The National Institute of Health, National Cancer Institute will host the **USHIK** site (www.ushik.org).
- The National Institute of Health, National Cancer Institute is funding and collaborating on the development of an XML registry metadata exchange format based on ISO-11179 standard

Current Status (iv)

Participating SDOs are:

- Accredited Standards Committee - X12 Subcommittee N - Insurance (X12N)
- American Dental Association (ADA)
- American Society for Testing and Materials Committee E31 on Healthcare Informatics (ASTM E31)

Current Status (v)

Participating SDOs are:

- Health Industry Business Communications Council (HIBCC)
- Health Level Seven (HL7)
- Medical Device Communications Industry Group (IEEE 1073)
- National Council for Prescription Drug Programs (NCPDP)

Current Status (vi)

- Other participating organizations are:
 - Centers for Disease Control and Prevention (CDC)
 - Department of Defense, Health Affairs (DoD HA)
 - National Institute of Health, National Cancer Institute
 - National Committee on Vital and Health Statistics (NCVHS)

Current Status (vii)

- Other participating organizations are:
 - Government Computer-Based Patient Record Project (G-CPR - Department of Defense, Health Affairs (DoD HA), Department of Veteran Affairs (VA), and Indian Health Service (IHS)
 - Centers for Medicare & Medicaid Services, End Stage Renal Disease Program (CMS ESRD)

Metadata Loading Progress

Organization	Approximate Number	Mapped to NHIM	Comment
1. National Council for Prescription Drug Programs (NCPDP)	441	Yes	Loaded
2. Department of Defense, Health Affairs (DoD HA) – Glossary of Healthcare Terminology	778		User Input
3. Accredited Standards Committee – X12 Subcommittee N – Insurance (X12N)	1145	In Progress	Loaded
4. National Committee on Vital and Health Statistics (NCVHS)	42	Yes	Loaded
5. Health Level (HL7)	409		Loaded
6. Centers for Disease Control and Prevention (CDC)	31		Loaded
7. Medical Device Communications Industry Group (IEEE 1073)			User Input
8. American Society for Testing and Materials Committee E31 on Healthcare Informatics (ASTM E31)	909	In Progress	Loaded
9. American Dental Association (ADA)	911		User Reformat
10. Health Industry Business Communications Council (HIBCC)			User Input
11. Government Computer-based Patient Record (G-CPR) Reference Terminology Model	356		Loaded
12. Health Care Financing Administration, End Stage Renal Disease (HCFA ESRD)			User Input
13. Department of Defense, Health Affairs (DoD HA) – Functional Area Model – Data	3291		Loaded

Metadata Loading Progress

Organization	Approximate Number	Mapped to NHIM	Comment
14. National Institute of Health, National Cancer Institute (NIH-NCI)			User Input
15. HIPAA Designated Code Sets National Drug Code Directory Health Care Financing Administration Common Procedure Coding System (HCPCS) Logical Observation Identifier Names and Codes (LOINC) International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)	29 27 56 3	In Progress	Loaded Loaded Loaded Loaded

~8400

Metadata Registry Overview

- A metadata registry is a place to keep facts about characteristics of data that are necessary to clearly describe, inventory, analyze, and classify data.
- A metadata registry supports data sharing with cross-system and cross-organization descriptions of common units of data.
- A metadata registry assists users of shared data to have a common understanding of a unit of data's meaning, representation, and identification.

Metadata Registry Overview

Data elements are described in common format.

Identifying and Definitional Attributes:
 Data Element ID : 07-329-4837.00000692.v1
 Name : Gender Code
 Context : X12 Data Dictionary
 Definition : Code indicating the sex of the individual
 Status : Received as of 01/19/1999
 Example :
 Synonyms/Keywords :
 Comment :

Relational and Representational Attributes:
 Data Collection Methods :
 Data Type : ID
 Representational Form :
 Representational Layout :
 Minimum Size : 1
 Maximum Size : 1
 Unit Of Measure :
 Precision :
 Minimum Range :
 Maximum Range :

Data Domain:

Permissible value	Domain Meaning Name	Domain Meaning Definition Text
A	Not Provided	
B	Not Applicable	
F	Female	
M	Male	
N	Non-sexed	
U	Unknown	
X	Unsexable	

Related Data References:

Object	Relationship	Related Item	Type
Gender Code	is composite part of	X12 Data Dictionary	Standards

Alternate Names and Contexts:

Name	Context
Gender Code	X12 Data Dictionary
1068	X12 Data Element Number

- ...
- Birth Date
- Hair Color
- Eye Color
- Sex
- ...

- ...
- Person_Sex
- Gender
- Sex_Category
- Code
- ...

Where are data elements defined?



Codes can be downloaded for use in applications.

What data elements are used?

Methods of Finding Data Elements

Data Elements

ABCDEFGH..

Initiatives

Health Insurance Portability and Accountability Act...

Data Collections

HCFA Long Term Care BRFSS

Data Agreements

X12 NCVHS Core Data NCPDP

Organizations

CDC AHCPR NCVHS

Models

HL7-RIM DoD HA FAM-D AIHW

References to Authoritative Sources

NCPDP (National Council for Prescription Drug Program)

X12 (American Standards Committee)

Transaction Set
 -Data Element
 -Composite Data Element

HL7 (Health Level Seven)
 Reference Information Model

-Subject Area
 -Class
 -Attributes

NHIM (National Health Information Model of Australia)

Model
 -Model Subtype
 -Information Model
 Subtype
 -Data Element
 -Data Concept
 -Composite Data Element
 -Derived Data Element

Data elements are described in common format (i)

The screenshot shows a Microsoft Internet Explorer browser window with the address bar displaying <http://hmrha.hirs.osd.mil/registry/index1.html>. The page title is "Data Element Details" and the main heading is "Gender Code". A search bar is present with a "Search" button. Below the search bar, it indicates "Record 3 Of 45". There are five navigation links: "[Identifying and Definitional Attributes]", "[Relational and Representational Attributes]", "[Administrative Attributes]", "[Alternate Names and Contexts]", and "[Data Element Links]".

Identifying and Definitional Attributes:

Data Element ID :0060-07-329-4837.00022429.v1

Name :Gender Code
Type :Data Element
Status :Incomplete as of 03/24/1999
Definition :A code indicating the gender of the patient or insured.
Example :
Context :X12N Health Care Data Element Dictionary
Comment :This data element utilizes a sub domain of the X12 data element domain that is based on the its use in a Transaction Set. Please refer to the Transaction Set Implementation Guide for the specific sub domain utilized.

Data Collection Methods :

Relational and Representational Attributes:

Data Type :ID

Navigation links at the bottom: [Main Menu] [Registries] [Information Models] [Data Elements] [Data Agreements] [Data Collections] [Initiatives] [Organizations] [Services] [Keywords] [Help] [Feedback]

System tray shows "Done", "Internet", and the time "11:58 AM".

Data elements are described in common format (ii)

Identifying and Definitional Attributes:

Data Element ID :0060-07-329-4837.00022429.v1

Name :Gender Code

Type :Data Element

Status :Incomplete as of 03/24/1999

Definition :A code indicating the gender of the patient or insured.

Example :

Context :X12N Health Care Data Element Dictionary

Comment : This data element utilizes a sub domain of the X12 data element domain that is based on the its use in a Transaction Set. Please refer to the Transaction Set Implementation Guide for the specific sub domain utilized.

Data elements are described in common format (iii)

USHIK - United States Health Information Knowledgebase - Microsoft Internet Explorer

Address: http://hmrha.hirs.osd.mil/registry/index1.html

Relational and Representational Attributes:

Data Type :ID
Representational Form :
Representational Layout :
Minimum Size :1
Maximum Size :1
Unit Of Measure :
Precision :
Minimum Range :
Maximum Range :

Data Domain	Permissible value	Domain Meaning Name	Domain Meaning Definition Text
	F	Female	
	M	Male	
	U	Unknown	

Related Data References :

Object	Type	Relationship	RelatedItem	Type
Gender Code	Data Element	is utilized by	834 Benefit Enrollment and Maintenance	Data Agreement
Gender Code	Data Element	is utilized by	Demographic characteristic	Model View
Gender Code	Data Element	is based on	Gender Code	Generic Data Element
Gender Code	Data Element	is referenced in	X12N Health Care Data Element Dictionary	Data Agreement

Administrative Attributes:

Date Of Submission : 03/24/1999

[[Main Menu](#)] [[Registries](#)] [[Information Models](#)] [[Data Elements](#)] [[Data Agreements](#)] [[Data Collections](#)] [[Initiatives](#)] [[Organizations](#)] [[Services](#)]
 [[Keywords](#)] [[Help](#)] [[Feedback](#)]

Taskbar: Start | USHIK - United St... | Microsoft PowerPoint... | Internet | 11:59 AM

Data elements are described in common format (iv)

Relational and Representational Attributes:

Data Type :ID

Representational Form :

Representational Layout :

Minimum Size :1

Maximum Size :1

Unit Of Measure :

Precision :

Minimum Range :

Maximum Range :

**Data Domain : Permissible
value**

**Domain
Meaning
Name**

**Domain
Meaning
Definition
Text**

F

Female

M

Male

U

Unknown

Data elements are described in common format (v)

Related Data

References :

Object	Type	Relationship	RelatedItem	Type
Gender Code	Data Element	is utilized by	834 Benefit Enrollment and Maintenance	Data Agreement
Gender Code	Data Element	is utilized by	Demographic characteristic	Model View
Gender Code	Data Element	is based on	Gender Code	Generic Data Element
Gender Code	Data Element	is referenced in	X12N Health Care Data Element Dictionary	Data Agreement

Data elements are described in common format (vi)



Administrative Attributes:

Date Of Submission : 03/24/1999
Source Document : ASC X12N 004010 implementation guides download from <http://www.wpc-edi.com/HIPAA/index.html> - Januar
Source Organization : Accredited Standards Committee X12

Alternate Names and Contexts:

Name	Context
Gender Code	X12N Health Care Data Element Dictionary

Data Element Links:

Information Model Entities linked to this Data Element

[Demographic characteristic](#)

Computer Aided System Engineering (CASE) Model linked to this Data Element

Data Agreements which include this Data Element

[834 Benefit Enrollment and Maintenance](#)
[X12N Health Care Data Element Dictionary](#)

Data Collections which include this Data Element

No Data Collections

Initiatives known to reference this Data Element

Keywords relating to this Data Element

[Member](#)

Download Data Element Information

[\[Main Menu\]](#) [\[Registries\]](#) [\[Information Models\]](#) [\[Data Elements\]](#) [\[Data Agreements\]](#) [\[Data Collections\]](#) [\[Initiatives\]](#) [\[Organizations\]](#) [\[Services\]](#)
[\[Keywords\]](#) [\[Help\]](#) [\[Feedback\]](#)

Data elements are described in common format (vii)

Administrative Attributes:

Date Of Submission : 03/24/1999

Source Document : ASC X12N 004010 implementation guides download from <http://www.wpc-edi.com/HIPAA/index.html> - Januar

Source Organization : Accredited Standards Committee X12

Alternate Names and Contexts:

Name	Context
Gender Code	X12N Health Care Data Element Dictionary

D

Data elements are described in common format (viii)

Data Element Links:

Information Model Entities linked to this Data Element

[Demographic characteristic](#)

Computer Aided System Engineering (CASE) Model linked to this Data Element

Data Agreements which include this Data Element

[834 Benefit Enrollment and Maintenance](#)
[X12N Health Care Data Element Dictionary](#)

Data Collections which include this Data Element

No Data Collections

Initiatives known to reference this Data Element

Keywords relating to this Data Element

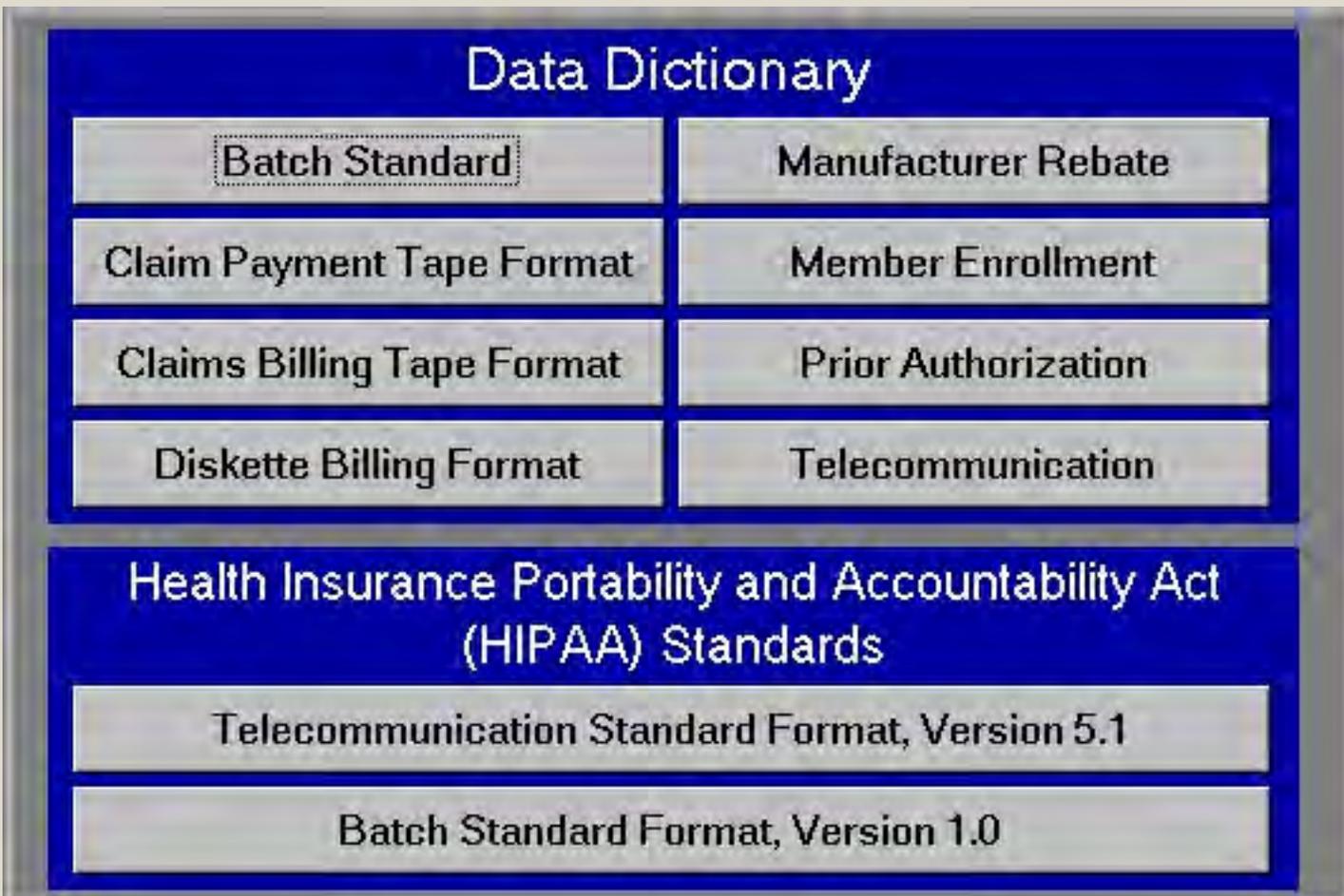
[Member](#)

Download Data Element Information

[\[Main Menu\]](#) [\[Description\]](#) [\[Description Model\]](#) [\[Data Element\]](#) [\[Data Agreement\]](#)

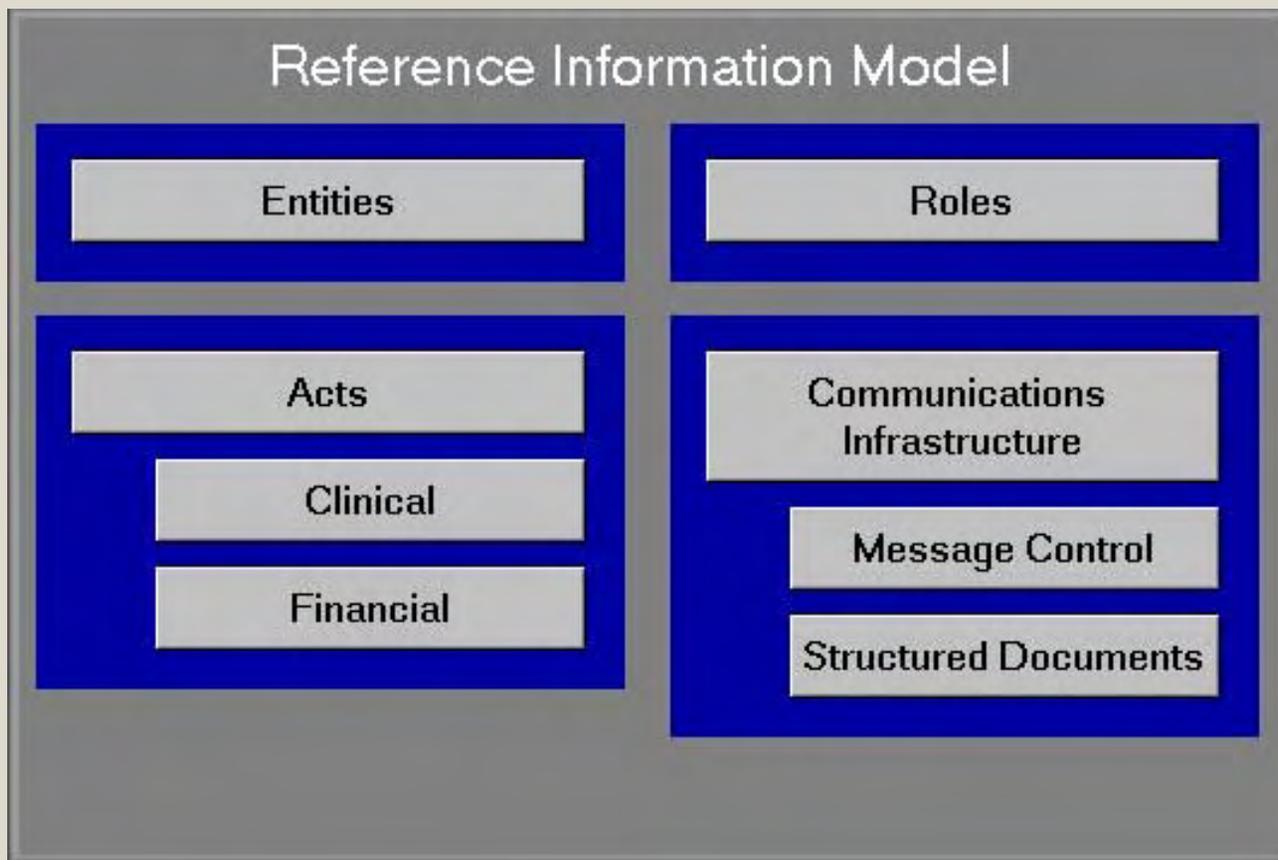
High Level Graphics Provide Owners Perspective of Data Elements (i)

National Council for Prescription Drug Programs Version 1.2



High Level Graphics Provide Owners Perspective of Data Elements (ii)

Health Level Seven Version 3.0



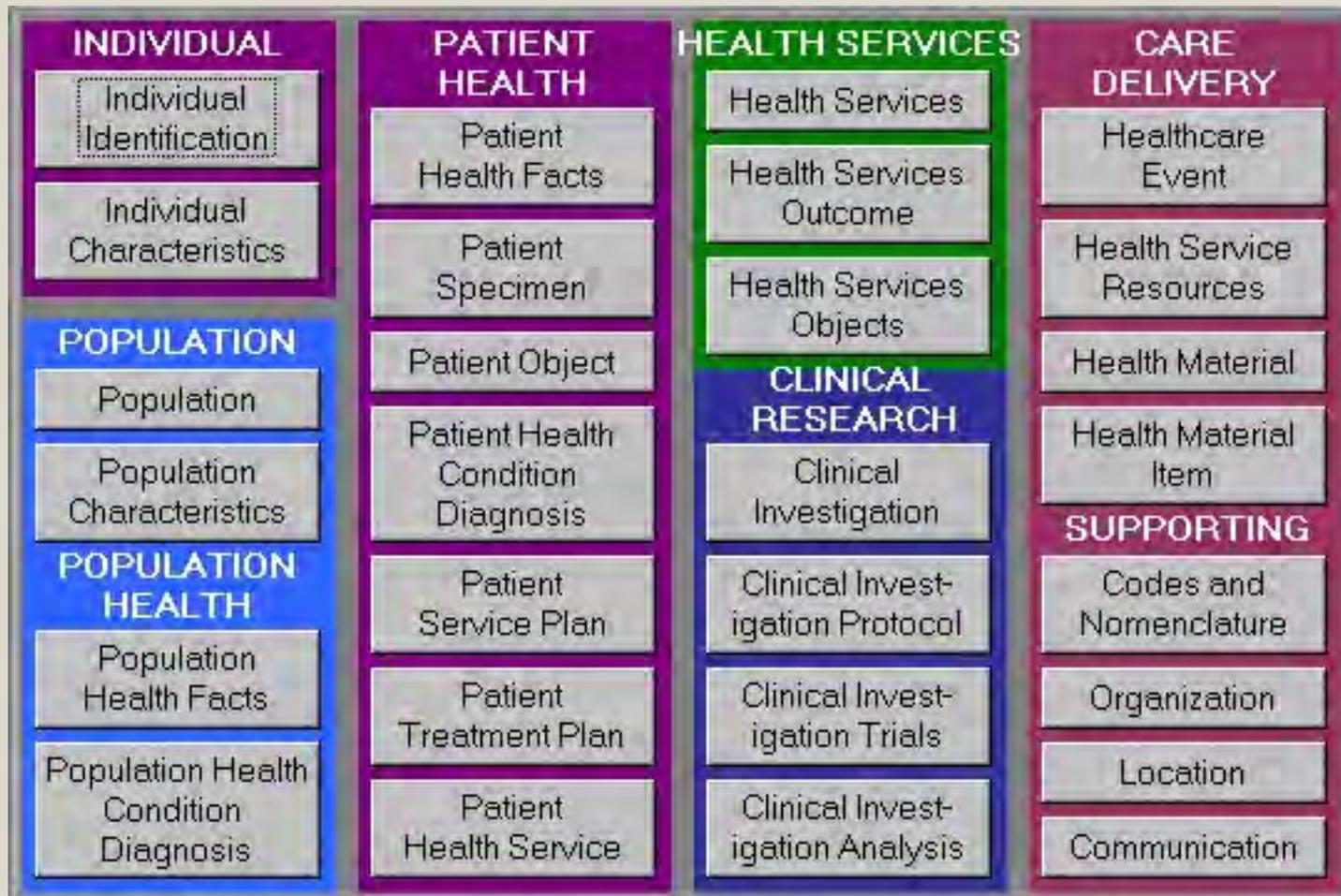
High Level Graphics Provide Owners Perspective of Data Elements (iii)

Accredited Standards Committee - X12 Subcommittee N -
Insurance (X12N)



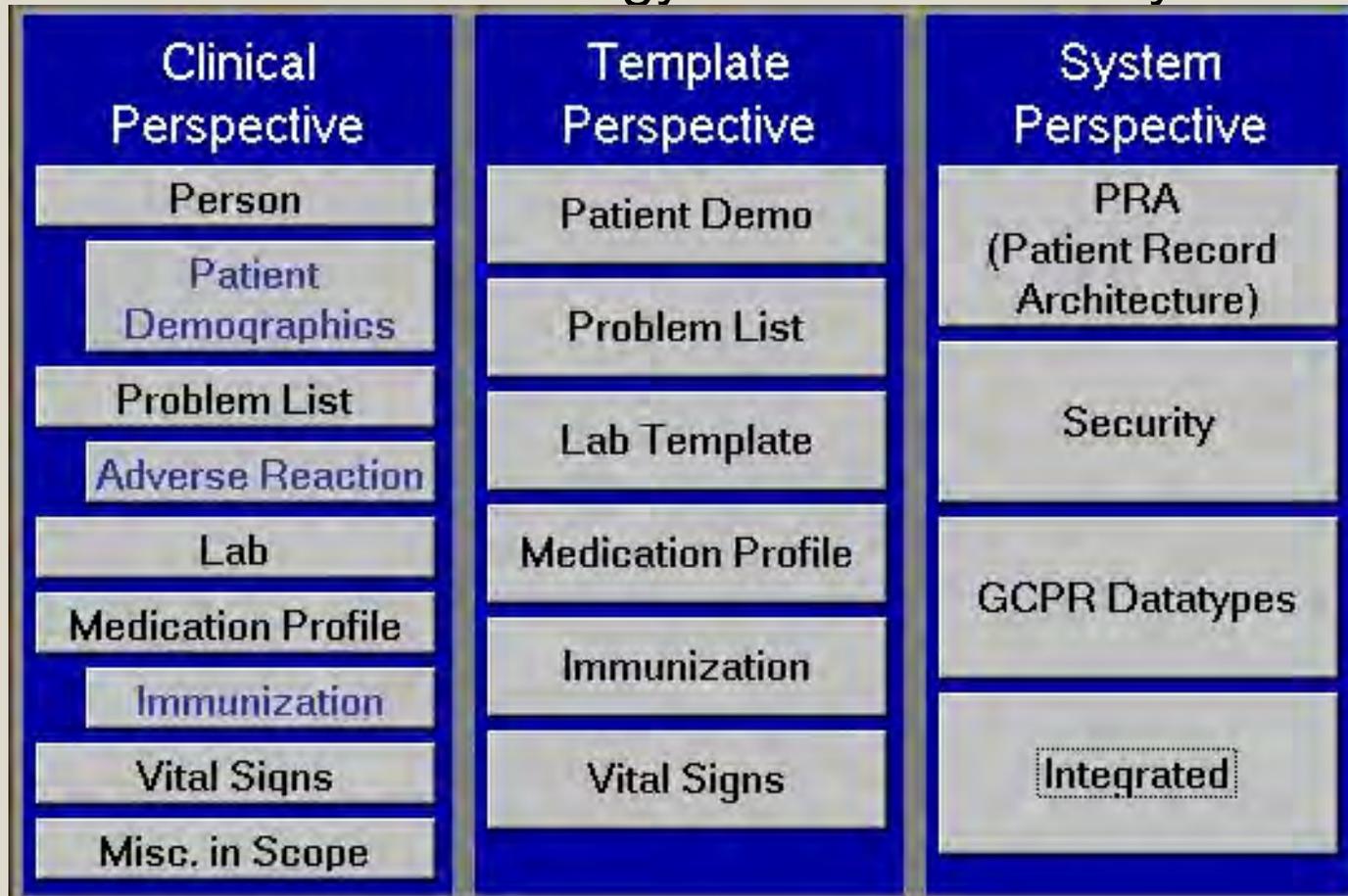
High Level Graphics Provide Owners Perspective of Data Elements (iv)

ADA/ANSI 1000 Specification Subject Areas



High Level Graphics Provide Owners Perspective of Data Elements (v)

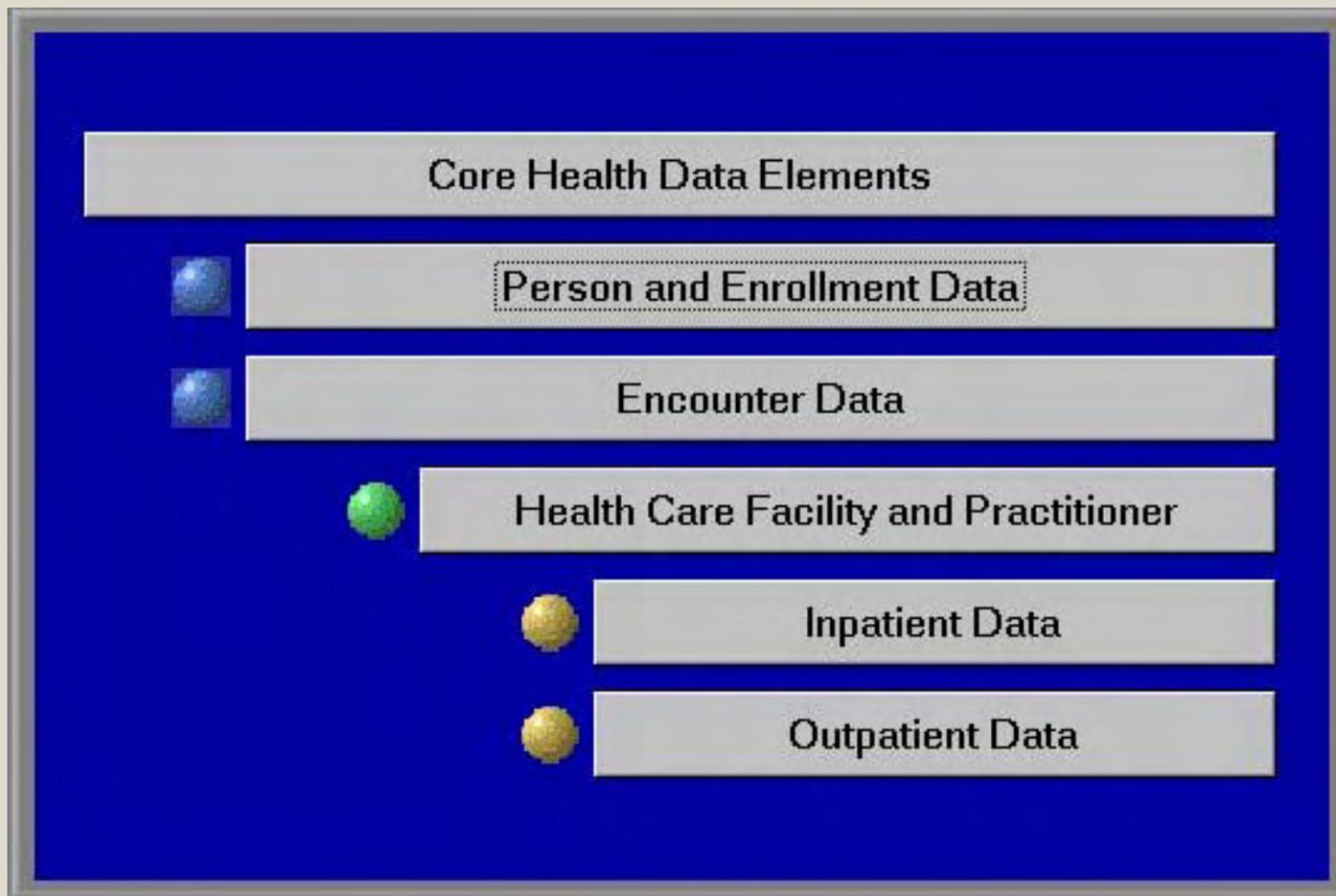
Government Computer-based Patient Record (G-CPR)
Reference Terminology Model - February 2001



High Level Graphics Provide Owners Perspective of Data Elements (vi)

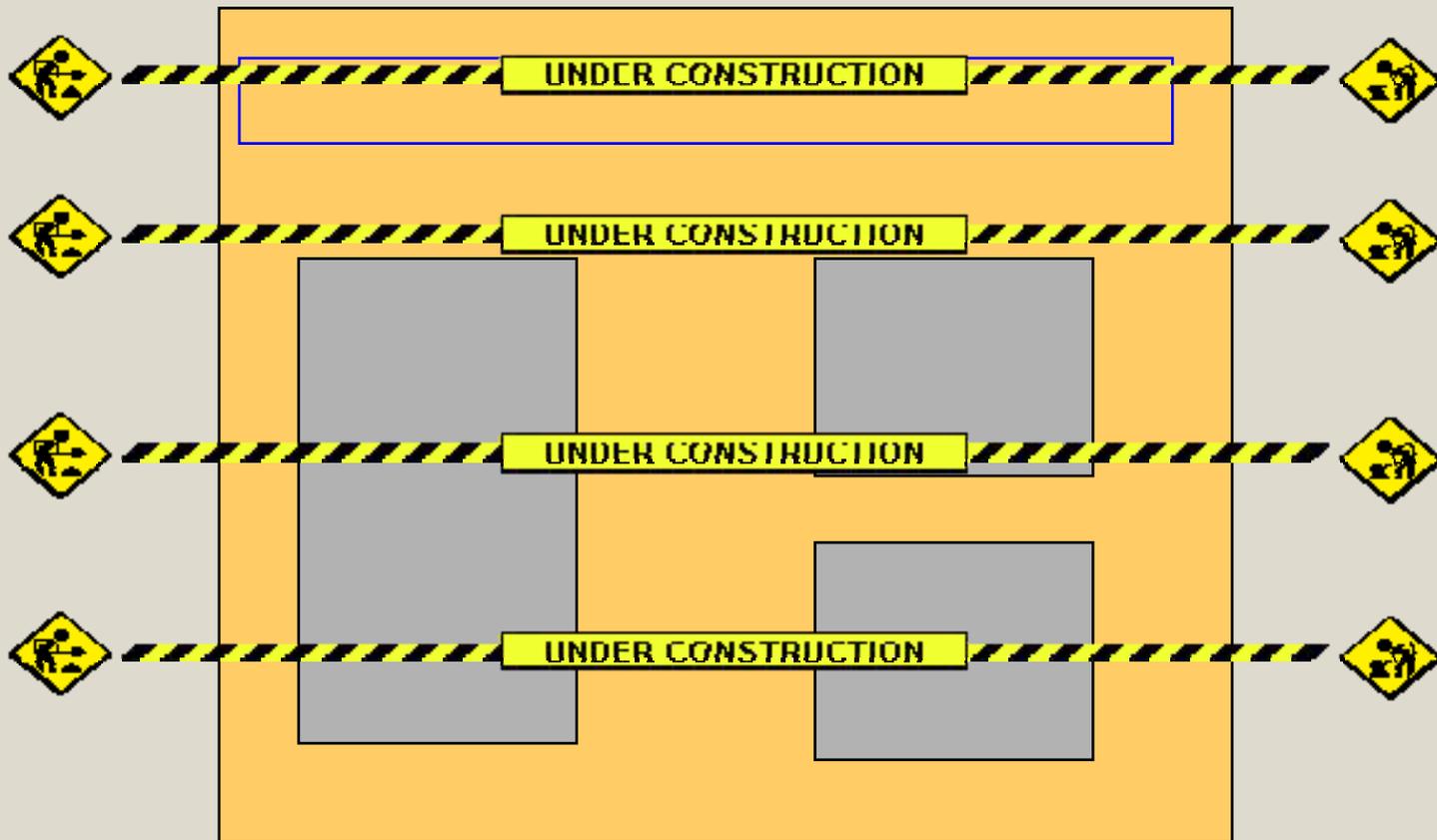
National Committee on Vital and Health Statistics

Core Health Data Elements - August 1996



High Level Graphics Provide Owners Perspective of Data Elements (vii)

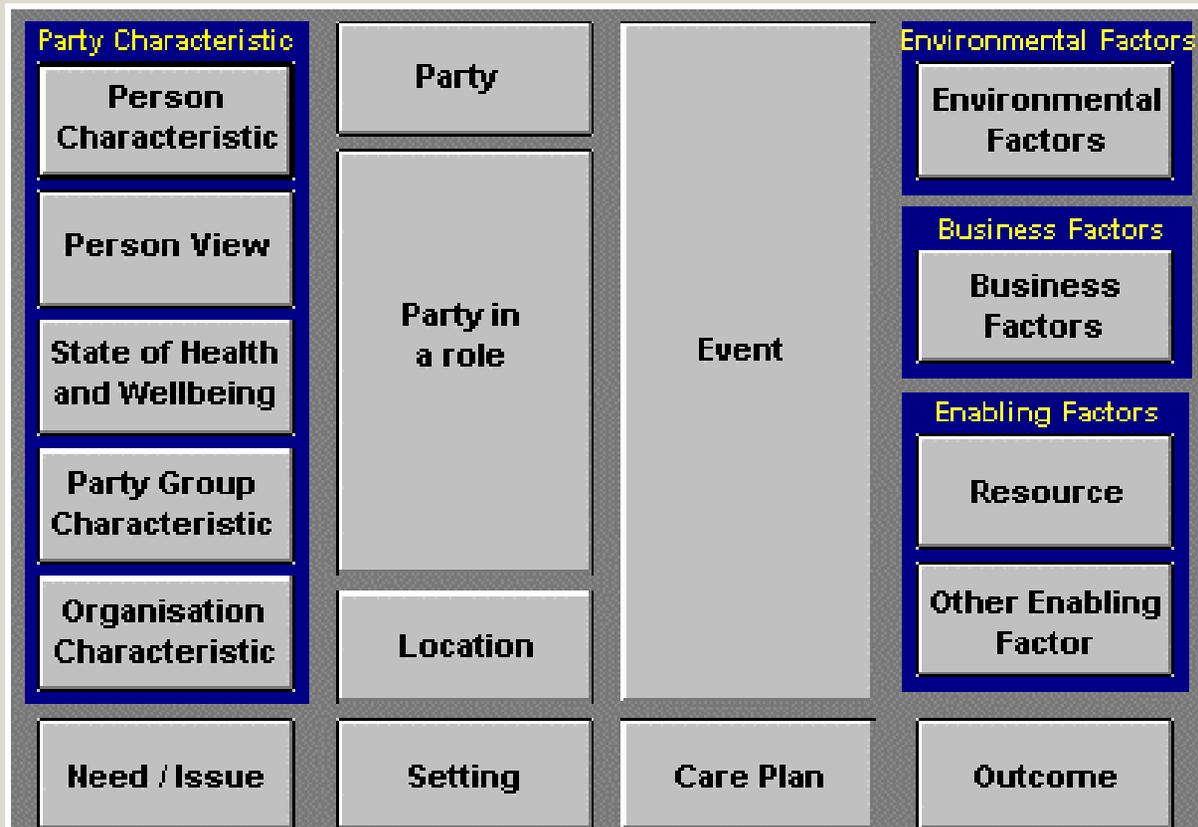
Another Perspective



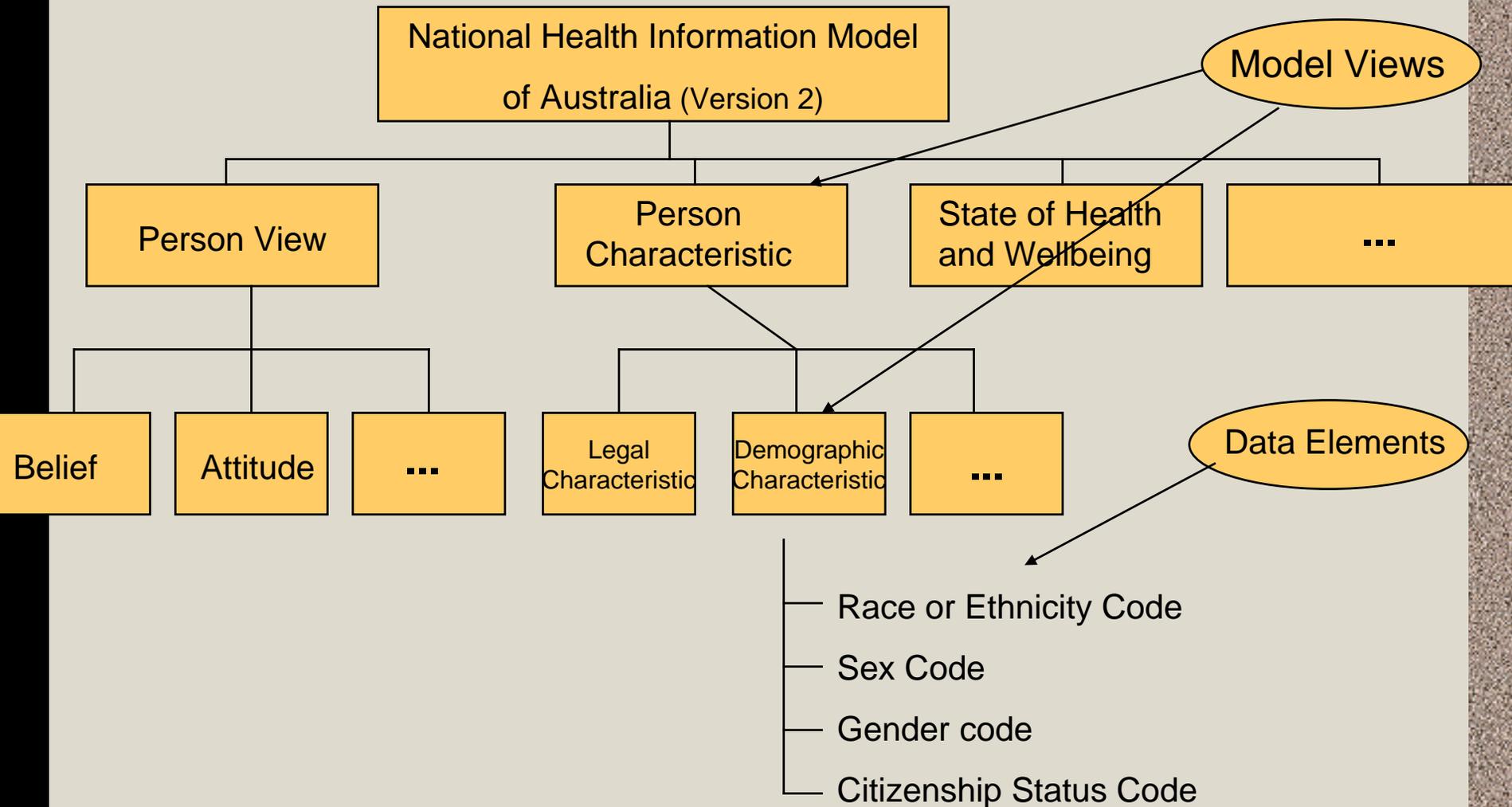
USHIK Uses NIHM to Group Data Elements

National Health Information Model of Australia (NIHM)

(Version 2)



USHIK Data Elements are Mapped to NHIM Model Views



Data Elements Mapped by Different Organizations Appear Together

Data Elements For Demographic characteristic

Data Elements

[Swap to Advanced Search](#)

X12 Data Element
(0060-07-329- 4837
Registration Authority)

Data Elements for Model Demographic characteristic

Data Element	Matrix	Registration Authority	ID	Vers	Type	Status
Citizenship Status Code	<input type="checkbox"/>	0060-07-329-4837	00021307	1	Data Element Incomplete	NCPDP Data Element (0060-07-329-4837 Registration Authority)
DATE OF BIRTH	<input type="checkbox"/>	0060-02-166-0014	00001002	1	Data Element Incomplete	(0060-02-166-0014 Registration Authority)
Gender Code	<input checked="" type="checkbox"/>	0060-07-329-4837	00022429	1	Data Element Incomplete	Registration Authority)
Race or Ethnicity Code	<input type="checkbox"/>	0060-07-329-4837	00023786	1	Data Element Incomplete	
SEX CODE	<input checked="" type="checkbox"/>	0060-02-166-0014	00001851	1	Data Element Incomplete	

Matrix Report

Select All

Clear All

Add To List

Clear list

Download

Comparison Matrix Aids in Harmonizing Data Elements

USHIK - United States Health Information Knowledgebase - Microsoft Internet Explorer

Address: http://hmrha.hirs.osd.mil/registry/index1.html

Comparison Matrix

Organization: NCPDP	X12
Data Element ID: 0060-02-166-0014.00001851.v1	0060-07-329-4837.00022429.v1
Data Element Name: SEX CODE	Gender Code
Definition: The sex of the patient (member).	A code indicating the gender of the patient or insured.
Context: NCPDP Data Dictionary	X12N Health Care Data Element Dictionary
Registration Status: Incomplete	Incomplete
Status Date: 03/24/1999	03/24/1999
Comments:	This data element utilizes a sub domain of the X12 data element domain that is based on the its use in a Transaction Set. Please refer to the Transaction Set Implementation Guide for the specific sub domain utilized.
Data Collection Methods:	
Data Type: N	ID
Minimum Size: 1	1
Maximum Size: 1	1
Representational Layout:	
Representational Form:	
Unit of Measure:	
Precision:	
Minimum Range:	
Maximum Range:	
Data Domain: 2 Female	F Female
1 Male	M Male
Not Specified	U Unknown

[\[Main Menu\]](#) [\[Registries\]](#) [\[Information Models\]](#) [\[Data Elements\]](#) [\[Data Agreements\]](#) [\[Data Collections\]](#) [\[Initiatives\]](#) [\[Organizations\]](#) [\[Services\]](#)
[\[Keywords\]](#) [\[Help\]](#) [\[Feedback\]](#)

Start | USHIK - United St... | Microsoft PowerPoint... | 12:09 PM

Future

- Loading of metadata into USHIK is continuing.
- A downloading capability which allows organizations to have some control over what is downloadable will be established.
- Method of versioning information are being formulated.
- New capabilities are being documented via Use Cases.
- HISB will manage the release of the new USHIK.

USHIK Metadata Registry

	Purpose	Value	Benefit
Describe data using common characteristics.	Promote development of good definitions of data.	Assists users of shared data to have a common understanding of a unit of data's meaning, representation, and identification.	Insures data quality of shared information.
Provide multiple ways to locate data definitions.	Provide both standard and custom 'drill-down' methods to data definitions.	Recognizes different points of view to narrow and focus on data definitions to be retrieved.	User not overwhelmed by number of data definitions.
Web accessible and data definitions downloadable.	Provide easy access and promote use of standards.	Good data definitions become standards.	Standards are re-used. Interoperability between system is easier and data quality improvements.
Able to link to information in other data registries.	Utilize data elements described by experts in their particular field.	Quality data elements that cover the breath of a field are created.	Resources are not used to recreate data elements.

Demonstration

Demonstration

- How to use USHIK metadata registry
 - Using an organization's information model along with data element mapping to find similar data elements
 - Search and comparing data elements
- Viewing data element based on Health Insurance Portability and Accountability Act (HIPAA) groupings

How to use USHIK metadata registry

- Using an organization's information model along with data element mapping to find similar data elements
 - Drill down from an organization's information model
 - Find a data element on interest
 - Review the data element's mapping to information models
 - Transfer to the NHIM mapped information model
 - View data elements mapped to that information model
 - Select and compare data elements on interest

Using an organization's information model

Select "Models" from side bar menu

USHIKmain - Microsoft Internet Explorer provided by Health Care Financing Administrati

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Address <http://onweblibrary.com:8081/registry/USHIKmain.html> Go Links >>

USHIK Health Information Knowledgebase (USHIK)

Home
Registries
Models
Data Elements
Data Agreements
Data Collections
Initiatives
Organizations
Search
Services
Help
Contact
Email
Newsgroup
Feedback Form
Top of Page

Welcome to the United States Health Information Knowledgebase

[Disclaimer](#)

[HIPAA Administrative Simplification Provisions](#)

(Note: The data element information in this demonstration project is an unofficial copy from various organizations and these organizations have not reviewed or validated the information. Please contact the source organization for official data element information.)

The United States Health Information Knowledgebase (USHIK) is the metadata registry, administered and operated by the Health Informatics Standards Board (HISB), to assist in cataloging and harmonizing data elements across Health Care Standards Development Organizations (SDO) and other interested Health Care organizations. Each SDO maintains independent control over its data definitions while facilitating harmonization across organizations. The goal of the USHIK is to establish a focal point for documentation about data used in health care and make it available for general use. The USHIK is being implemented in a phased approach. Initially, the current 'as is' SDO data dictionary content will be loaded into the USHIK, which supports basic metadata registry capabilities. Enhancements, to include data entry capability, to support SDO day to day operations, will follow.

<http://onweblibrary.com:8081/registry/models.html> Internet

Using an organization's information model

Click on "NCVHS" information model

United States Health Information Knowledgebase (USHIK)

Information Models

View the models for:

- [The American Dental Association \(ADA\) \(Not available at this time\)](#)
- [The MHS Functional Area Model - DATA \(FAM-D\) \(Not available at this time\)](#)
- [The Government Computerized Patient Records \(GCPR\)](#)
- [National Council for Prescription Drug Programs \(NCPDP\)](#)
- [Accredited Standards Committee X12 Subcommittee N - Insurance \(X12N\)](#)
- [The National Health Information Model of Australia \(NHIM\)](#)
- [The National Committee on Vital and Health Statistics \(NCVHS\)](#)
- [Health Level Seven \(HL7\) \(Not available at this time\)](#)

Using an organization's information model

Click on "Person and Enrollment Data"

USHIK NCVHS Model - Microsoft Internet Explorer provided by Health Care Financing Administrati

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Address http://onweblibrary.com:8081/registry/model_NCVHS.html Go

menu

Core Health Data Elements

Person and Enrollment Data

Encounter Data

Health Care Facility and Practitioner

Inpatient Data

Outpatient Data

Microsoft Office

Internet

Last Updated 11 July, 2001

Using an organization's information model

Click on "All(12)" to display all data elements

Organizational Page - Microsoft Internet Explorer provided by Health Care Financing Administrati

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Address eView?ControlFile=c:\drcontrol.ini&SystemName=USHIK&Search=xxKeyIDxx&ModelOrgID=00000005&ModelRegID=00004690 Go Links >>

USHIK Data Model Detail Search:

United States Health Information Knowledgebase Home Models Data Elements Data Collections Initiatives

Person and Enrollment Data

Description: The elements described in this section refer to information collected on enrollment or at an initial visit to a health care provider or institution. It is anticipated that these elements will be collected on a one-time basis or updated on an annual basis. With the exception of the personal/unique identifier, they do not need to be collected at each encounter.

Model sub views associated with this model view

Concepts associated with this model view

Data Elements associated with this model view or concept (count follows letter)

[A(0)] [B(0)] [C(1)] [D(1)] [E(0)] [F(1)] [G(1)] [H(0)] [I(0)] [J(0)] [K(0)] [L(1)] [M(1)] [N(0)] [O(0)] [P(2)] [Q(0)] [R(2)] [S(1)] [T(0)] [U(0)] [V(0)] [W(0)] [X(0)] [Y(1)] [Z(0)] [Others(0)] [[All\(12\)](#)]

Listing Created on Aug 17, 2001

Opening page <http://onweblibrary.com:8081/servlet/dr.ui.drModelView?ControlFile=c:\drcontrol.ini&S> Internet

Using an organization's information model

Click on "Date of Birth" to display its metadata

Organizational Page - Microsoft Internet Explorer provided by Health Care Financing Administrati

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Address [ID=\\$InitiativeRegID&&OrgID=\\$OrganizationID&&DataAgreementID=\\$DataAgreementID&&DataCollectionID=\\$DataCollectionID\\$](#) Go Links >>

USHIK **Data Elements** Search:

United States Health Information Knowledgebase Home Models Data Elements Data Collections Initiatives

[Swap to Advanced Search](#)

Data Elements for Model Person and Enrollment Data

Data Element	Matrix Authority	ID	Vers	Type	Status
Current or Most Recent Occupation and Industry	NEW! <input type="checkbox"/> CMS	00004753	1	Data Element	Incomplete
Date of Birth	NEW! <input type="checkbox"/> CMS	00004695	1	Data Element	Incomplete
Functional Status	NEW! <input type="checkbox"/> CMS	00004743	1	Data Element	Incomplete
Gender	NEW! <input type="checkbox"/> CMS	00004844	1	Data Element	Incomplete
Living/Residential Arrangement	NEW! <input type="checkbox"/> CMS	00004719	1	Data Element	Incomplete
Marital Status	NEW! <input type="checkbox"/> CMS	00004710	1	Data Element	Incomplete

Done Internet

Using an organization's information model

Scroll down to see additional metadata

The screenshot shows a Microsoft Internet Explorer browser window with the title "Organizational Data Element Page - Microsoft Internet Explorer provided by Health Care Financing Administrati". The address bar contains a long URL with parameters like "gID=&KeyOrgID=00000005&KeyRID=00004695&OrgID=&DataAgreementID=&DataCollectionID=&RecordOffset=1&KeywordID=". The page content includes the USHIK logo, a search bar, and a navigation menu with items like "Home", "Models", "Data Elements", "Data Collections", and "Initiatives". The main heading is "Date of Birth" with a "Search" link below it. A "Record 2 Of 13" indicator is present, flanked by left and right navigation arrows. Below this are five links: "[Identifying and Definitional Attributes]", "[Relational and Representational Attributes]", "[Administrative Attributes]", "[Alternate Names and Contexts]", and "[Data Element Links]". The section "Identifying and Definitional Attributes:" is expanded, showing the following metadata:

- Data Element ID :**0060-92-764-5622.00004695.v1
- Name :**Date of Birth
- Type :**Data Element
- Status :**Incomplete as of 08/04/2001
- Definition :**Year (in four digits), Month, Day as recommended by the Uniform Hospital Discharge Data Set
- Example :**

The browser's status bar at the bottom shows "Done" and "Internet".

Using an organization's information model

Scroll down to see additional metadata

Organizational Data Element Page - Microsoft Internet Explorer provided by Health Care Financing Administrati

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Address [gID=&KeyOrgID=00000005&KeyRID=00004695&OrgID=&DataAgreementID=&DataCollectionID=&RecordOffset=1&KeywordID=](#) Go Links >>

Definition : Year (in four digits), Month, Day as recommended by the Uniform Hospital Discharge Data Set

Example :

Context : NCVHS Core Health Data Elements

Comment :

Data Collection Methods :

Relational and Representational Attributes:

Data Type : DT

Representational Form : YYYYMMDD

Representational Layout : YYYYMMDD

Minimum Size : 8

Maximum Size : 8

Unit Of Measure :

Precision :

Minimum Range :

Maximum Range :

Related Data References :

Object	Type	Relationship	Related Item	Responsible Organization	Type
Date of Birth	Data Element	is utilized by	Birth event		Model View
Date of Birth	Data Element	is utilized by	NCVHS		Model View

Done Internet

Using an organization's information model

Scroll down to see additional metadata

Administrative Attributes:

Date Of Submission :08/04/2001
Source Document :Core Health Data Elements - Report of the National Committee on Vital and Health Statistics - August
Source Organization :Data for this entry is under review

Alternate Names and Contexts:

Name	Context
Date of Birth	NCVHS Core Health Data Elements

Data Element Links:

Information Model Entities linked to this Data Element

- [Birth event](#)
- [NCVHS Core Health Data Elements](#)
- [Person and Enrollment Data](#)

Data Agreements which include this Data Element

Using an organization's information model

Click on "Birth event" to see data elements mapped to it

The screenshot shows a Microsoft Internet Explorer browser window with the title "Organizational Data Element Page - Microsoft Internet Explorer provided by Health Care Financing Administrati". The address bar contains a long URL: "glD=&KeyOrgID=00000005&KeyRID=00004695&OrgID=&DataAgreementID=&DataCollectionID=&RecordOffset=1&KeywordID=".

The main content area of the page is titled "Information Model Entities linked to this Data Element" and lists three links: "Birth event", "NCVHS Core Health Data Elements", and "Person and Enrollment Data".

Below this is a section titled "Data Agreements which include this Data Element" with the text "No Data Agreements".

Next is a section titled "Data Collections which include this Data Element" with the text "No Data Collections".

There is a section titled "Download Data Element Information" with the text "Listing Created on Aug 17, 2001".

A vertical menu on the left side of the page contains the letters "m", "e", "n", "u" stacked vertically.

The footer of the page includes a navigation bar with links: "Home", "Models", "Data Elements", "Data Collections", "Initiatives", "Organizations", and "Search". Below this is a paragraph: "The Health Informatics Standards Board (HISB) administrates USHIK. The HISB home web page is: http://web.ansi.org/rooms/room_41/." A disclaimer follows: "Disclaimer: The source organization is responsible for data element information. Use the Organizations button to access the source organization's point of contact."

The browser's status bar at the bottom shows "Done" and "Internet".

Using an organization's information model
Australian Model view "Birth Event" is displayed. Click on All(10)
to display data elements mapped to it.

The screenshot shows a Microsoft Internet Explorer browser window with the following details:

- Address Bar:** eView?ControlFile=c:\drcontrol.ini&SystemName=USHIK&ModelOrgID=00000001&Search=xxKeyIDxx&ModelRegID=00000015
- Page Title:** Data Model Detail
- Navigation:** Home, Models, Data Elements, Data Collections, Initiatives
- Section Header:** Birth event
- Description:** The EVENT of being born. It describes EVENTS which happen to both the baby and the mother during the birth, but does not include descriptions of the health of the baby or mother; these elements are mapped to subtypes of the STATE OF HEALTH AND WELLBEING entity.
- Model sub views associated with this model view**
- Concepts associated with this model view**
- Data Elements associated with this model view or concept**(count follows letter)
[A(0)] [B(1)] [C(0)] [D(3)] [E(1)] [F(0)] [G(0)] [H(0)] [I(0)] [J(0)] [K(0)] [L(0)] [M(1)] [N(0)] [O(1)] [P(2)] [Q(0)] [R(0)] [S(1)] [T(0)] [U(0)] [V(0)] [W(0)] [X(0)] [Y(0)] [Z(0)] [Others(0)] [All(10)]
- Footer:** Home | Models | Data Elements | Data Collections | Initiatives | Organizations | Search
The Health Informatics Standards Board (HISB) administrates USHIK. The HISB home web page is: http://web.ansi.org/rooms/room_41/

Using an organization's information model

Click on matrix check box next to Date of Birth and Dependent Birth Data data elements in NCPDP, CMS, and X12 registry authorities to setup for a comparison matrix

United States Health Information Knowledgebase

Home Models Data Elements Data Collections Initiatives

[Swap to Advanced Search](#)

Data Elements for Model Birth event

Data Element	Matrix Authority	ID	Vers	Type	Status	
AIHW - National Health Information Model	NHIM	00000001	1	Model View	Incomplete	
Birth Sequence Number	NEW! <input type="checkbox"/>	X12	00027922	1	Data Element	Incomplete
Date Of Birth	NEW! <input checked="" type="checkbox"/>	NCPDP	00002297	1	Data Element	Incomplete
Date of Birth	NEW! <input checked="" type="checkbox"/>	CMS	00004695	1	Data Element	Incomplete
Dependent Birth Date	NEW! <input checked="" type="checkbox"/>	X12	00024783	1	Data Element	Incomplete
Estimated Birth Date	NEW! <input type="checkbox"/>	X12	00028315	1	Data Element	Incomplete

Using an organization's information model

Scroll to bottom of page and click on “Matrix Report” button to display the comparison matrix report

Organizational Page - Microsoft Internet Explorer provided by Health Care Financing Administrati

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Address [ID=\\$InitiativeRegID&&OrgID=\\$OrganizationID&&DataAgreementID=\\$DataAgreementID&&DataCollectionID=\\$DataCollectionID\\$](#) Go Links >>

Other Insured Birth Date	NEW!	<input type="checkbox"/>	X12	00026537	1	Data Element	Incomplete
Patient Birth Date	NEW!	<input type="checkbox"/>	X12	00026677	1	Data Element	Incomplete
Person event			NHIM	00000104	1	Model View	Incomplete
Prior Incorrect Insured Birth Date	NEW!	<input type="checkbox"/>	X12	00026943	1	Data Element	Incomplete
Subscriber Birth Date	NEW!	<input type="checkbox"/>	X12	00027852	1	Data Element	Incomplete

Menu

Matrix Report Select All Clear All Add To List Clear list Download

Generate From List

Listing Created on Aug 17, 2001

[Home](#) | [Models](#) | [Data Elements](#) | [Data Collections](#) | [Initiatives](#) | [Organizations](#) | [Search](#)

The Health Informatics Standards Board (HISB) administrates USHIK. The HISB home web page is: http://web.ansi.org/rooms/room_41/.

Disclaimer: The source organization is responsible for data element information. Use the Organizations button to access the source organization's point of contact.
USHIK Home URL: <http://www.ushik.org>

Done Internet

Using an organization's information model Comparison matrix report is displayed

Organizational Page - Microsoft Internet Explorer
 File Edit View Favorites Tools Help
 Address http://www.onweblibrary.com/servlet/dr.ui.drGenerateMatrix

USHIK Comparison Matrix
 United States Health Information Knowledgebase Home Models Data Elements Data Collections Initiatives Organizations

Organization:	NCPDP	CMS	X12
Data Element ID:	0060-02-166-0014.00002297.v1	0060-92-764-5622.00004695.v1	0060-07-329-4837.00024783.v1
Data Element Name:	Date Of Birth	Date of Birth	Dependent Birth Date
Definition:	Date of birth of patient.	Year (in four digits), Month, Day as recommended by the Uniform Hospital Discharge Data Set	The date of birth of the dependent.
Context:	NCPDP Data Dictionary	NCVHS Core Health Data Elements	X12N Health Care Data Element Dictionary
Registration Status:	Incomplete	Incomplete	Incomplete
Status Date:	08/10/2001	08/04/2001	07/02/2001
Comments:			
Data Collection Methods:			
Data Type:	9(8)	DT	ID
Minimum Size:	8	8	2
Maximum Size:	8	8	2
Representational Layout:			
Representational Form:		YYYYMMDD	

Done Internet

How to use USHIK metadata registry

- Search and comparing data elements
 - This example shows the use of the registry to compare data elements that may be the same, but are named differently.
 - Use “search” and “add to list” capabilities to compare “Postal” and “Zip” codes
 - Search for data elements starting with “Postal”
 - Add them to a list
 - Search for data elements starting with “Zip”
 - Add them to the list
 - Compare the data elements on the list

Search and comparing data elements

Click on Search in side bar menu, then type "Postal", select "Starts with" and then click "Begin Search" button

USHIK Criteria Search Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites History

Address http://209.22.178.86/servlet/dr.ui.drCriteriaSearch?Referer=&ControlFile=c:/drcontrol.ini&SystemName=USHIK

Criteria Search Query Search:

United States Health Information Knowledgebase Home Models Data Elements Data Collections Initiatives Organiz

Please Select Criteria

Registration Authority: Data Element Type:

Component Name: Definition:

Exact Match Starts With Contains Exact Match Starts With Contains

Submitting Organization: Responsible Organization:

Registration Status: Administrative Status:

Done Internet

Search and comparing data elements

Click on check boxes under “Matrix” and the “Add to List” button to add “Postal Code” and “Postal Service Code” data elements to list

Organizational Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://209.22.178.86/servlet/dr.ui.drOrg_Data_Alph Go

USHIK Data Elements

Search:

United States Health Information Knowledgebase Home Models Data Elements Data Collections Initiatives Organiz

[Swap to Advanced Search](#)

Data Element	Matrix	Authority	ID	Vers	Type	Status
Postal Code	NEW! <input checked="" type="checkbox"/>	X12	00006738	1	Generic Data Element	Incomplete
Postal Service Code	NEW! <input checked="" type="checkbox"/>	NCPDP	00000799	1	Generic Data Element	Incomplete

Matrix Report Select All Clear All Add To List Clear list Download

Generate From List

Listing Created on Aug 17, 2001

[Home](#) | [Models](#) | [Data Elements](#) | [Data Collections](#) | [Initiatives](#) | [Organizations](#) | [Search](#)

The Health Informatics Standards Board (HISB) administrates USHIK. The HISB home web page is: http://web.ansi.org/rooms/room_41/.

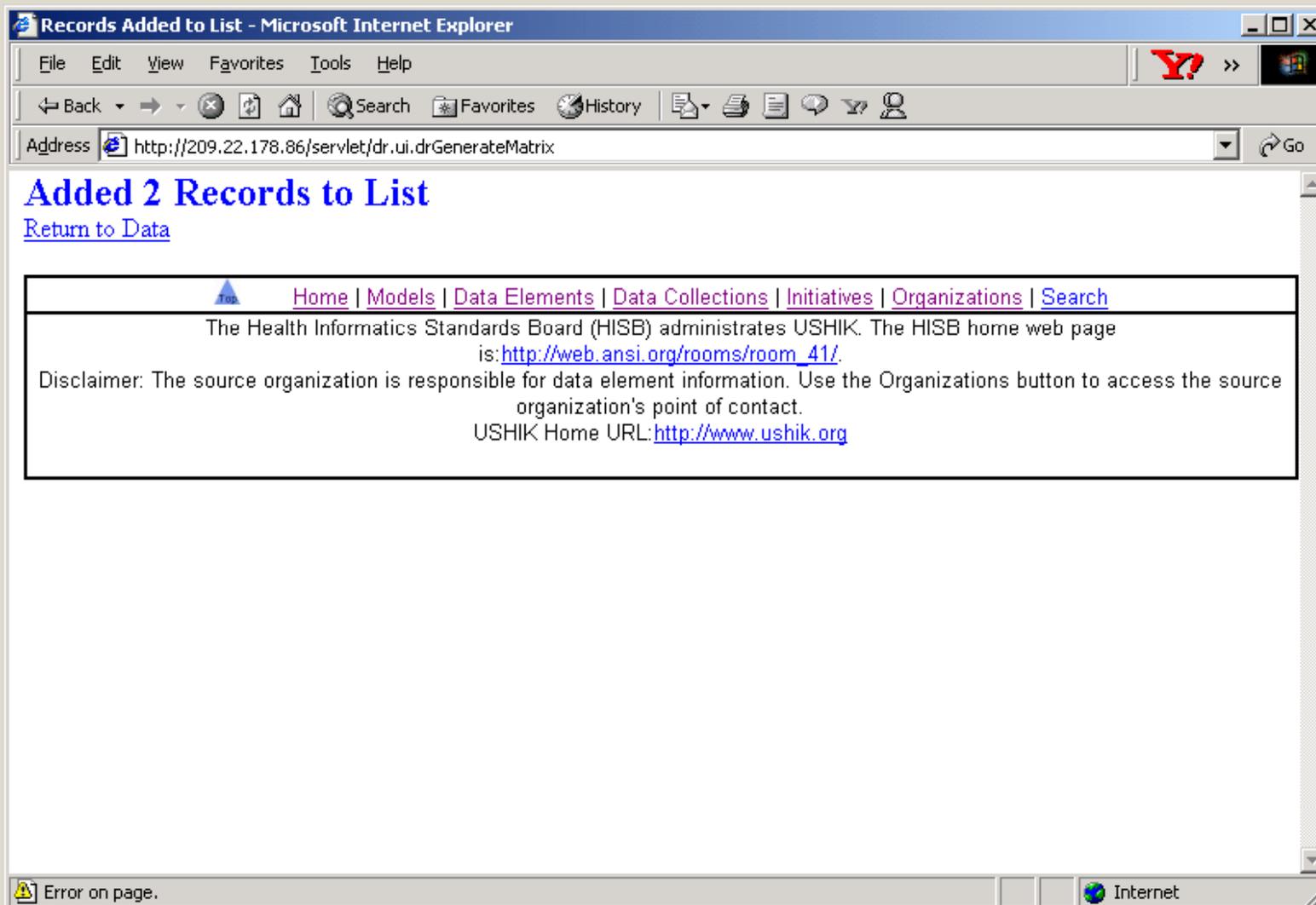
Disclaimer: The source organization is responsible for data element information. Use the Organizations button to access the source organization's point of contact.

USHIK Home URL: <http://www.ushik.org>

Internet

Search and comparing data elements

Added 2 records to list is reported. Click on “Search” button on bottom menu bar to start a new search.



Search and comparing data elements

Type "Zip", select "Starts With" and click "Begin Search" to search for data elements starting with "Zin"

USHIK Criteria Search Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites History Print Copy Paste Y! Go

Address http://209.22.178.86/servlet/dr.ui.drCriteriaSearch?Referer=Organizations&ControlFile=c:/drcontrol.ini&SystemName=USHIK

Criteria Search Query Search: []

United States Health Information Knowledgebase Home Models Data Elements Data Collections Initiatives Organiz

Please Select Criteria

Registration Authority: [All] Data Element Type: [All]

Component Name: [Zip] Definition: [Not Available at this time]

Exact Match Starts With Contains

Submitting Organization: [All] Responsible Organization: [All]

Registration Status: [All] Administrative Status: [All]

[Begin Search] [Clear and Start Over]

Done Internet

Search and comparing data elements

Click on check box under “Matrix” and the “Add to List” button to add “Zip Code” data element to list

Organizational Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites History

Address http://209.22.178.86/servlet/dr.ui.drOrg_Data_Alph Go

USHIK Data Elements Search:

United States Health Information Knowledgebase Home Models Data Elements Data Collections Initiatives Organiz

[Swap to Advanced Search](#)

Data Element	Matrix	Authority	ID	Vers	Type	Status
Zip Code	NEW! <input checked="" type="checkbox"/>	NCPDP	00004631	1	Data Element	Incomplete

Matrix Report Select All Clear All Add To List Clear list Download

Generate From List

Listing Created on Aug 17, 2001

[Home](#) | [Models](#) | [Data Elements](#) | [Data Collections](#) | [Initiatives](#) | [Organizations](#) | [Search](#)

The Health Informatics Standards Board (HISB) administrates USHIK. The HISB home web page is: http://web.ansi.org/rooms/room_41/.

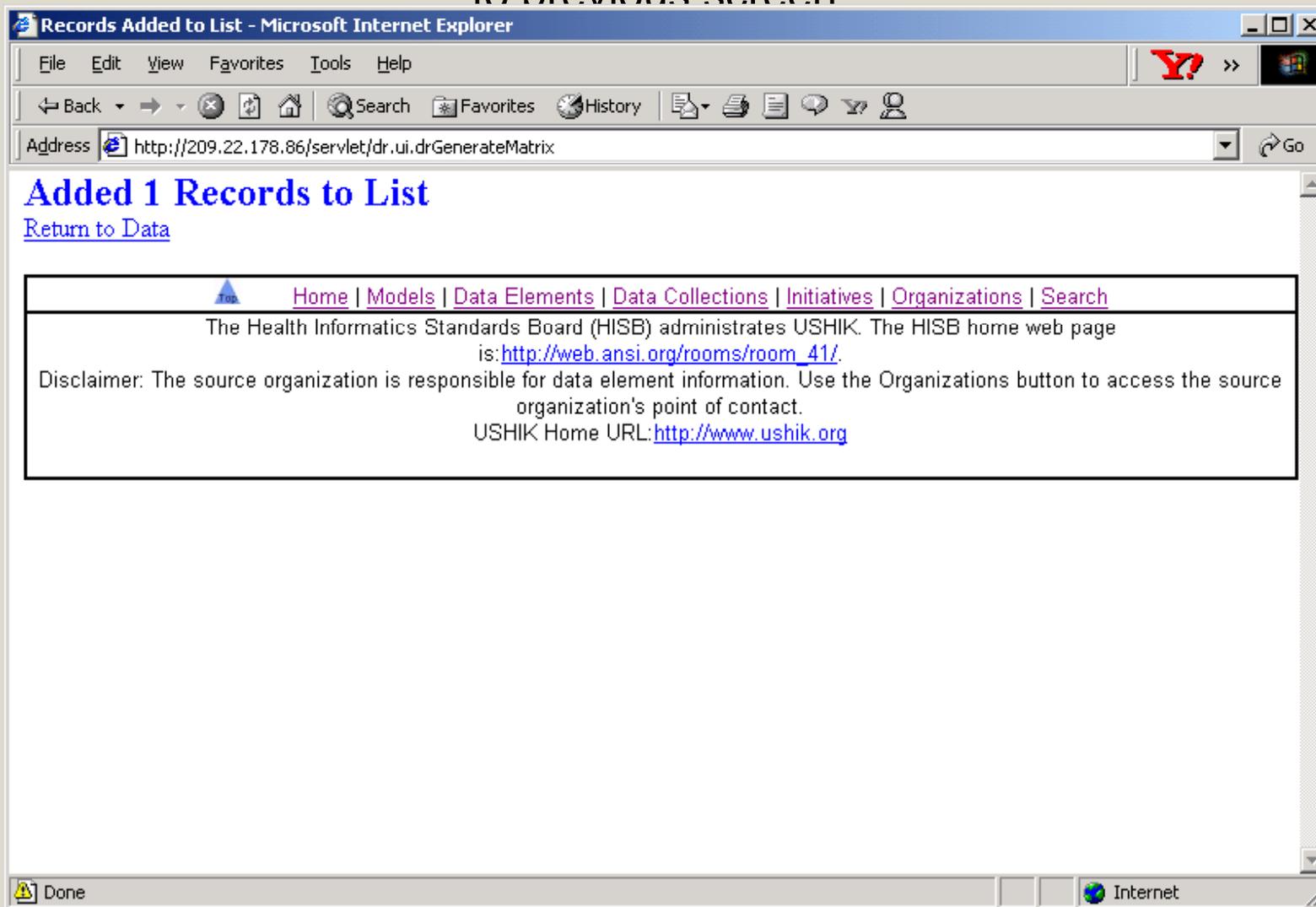
Disclaimer: The source organization is responsible for data element information. Use the Organizations button to access the source organization's point of contact.

USHIK Home URL: <http://www.us hik.org>

Internet

Search and comparing data elements

Added 1 records to list is reported. Click on browser "Back" button to get to previous screen



Search and comparing data elements

Click on “Generate From List” button to display a comparison matrix.

Organizational Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://209.22.178.86/servlet/dr.ui.drOrg_Data_Alph

USHIK Data Elements Search:

United States Health Information Knowledgebase Home Models Data Collections Initiatives Organiz

[Swap to Advanced Search](#)

Data Element	Matrix	Authority	ID	Vers	Type	Status
Zip Code	NEW! <input checked="" type="checkbox"/>	NCPDP	00004631	1	Data Element	Incomplete

Matrix Report Select All Clear All Add To List Clear list Download

Generate From List

Listing Created on Aug 17, 2001

[Home](#) | [Models](#) | [Data Elements](#) | [Data Collections](#) | [Initiatives](#) | [Organizations](#) | [Search](#)

The Health Informatics Standards Board (HISB) administrates USHIK. The HISB home web page is: http://web.ansi.org/rooms/room_41/.

Disclaimer: The source organization is responsible for data element information. Use the Organizations button to access the source organization's point of contact.

USHIK Home URL: <http://www.us hik.org>

Internet

Search and comparing data elements

Comparison matrix is displayed.

Organization: NCPDP

Data Element ID: 0060-02-166-0014.00000799.v1

Data Element Postal Service Code Name:

Definition: The postal service abbreviation for a geopolitical subdivision of the United States or Canada.

Context: NCPDP Data Dictionary

Registration Status: Incomplete

Status Date: 08/10/2001

Comments:

Data Collection

	NCPDP	X12
Organization:	NCPDP	X12
Data Element ID:	0060-02-166-0014.00004631.v1	0060-07-329-4837.00006738.v1
Data Element Postal Service Code Name:	Zip Code	Postal Code
Definition:	Zip code for member's address.	Code defining international postal zone code excluding punctuation and blanks (zip code for United States)
Context:	NCPDP Data Dictionary	X12 Data Dictionary
Registration Status:	Incomplete	Incomplete
Status Date:	08/10/2001	07/02/2001
Comments:		
Data Collection		

Search and comparing data elements

Scroll down to display more of the comparison matrix.

Organizational Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites History Print Copy Paste Y! Go

Address <http://209.22.178.86/servlet/dr.ui.drGenerateMatrix> Go

Comments:

Data Collection Methods:

Data Type: X(2)	x(9)	ID
Minimum Size: 2	9	3
Maximum Size: 2	9	15

Representational Layout:

Representational Form:

Unit of Measure:

Precision:

Minimum Range:

Maximum Range:

Data Domain: AL Alabama
AK Alaska
AZ Arizona
AR Arkansas

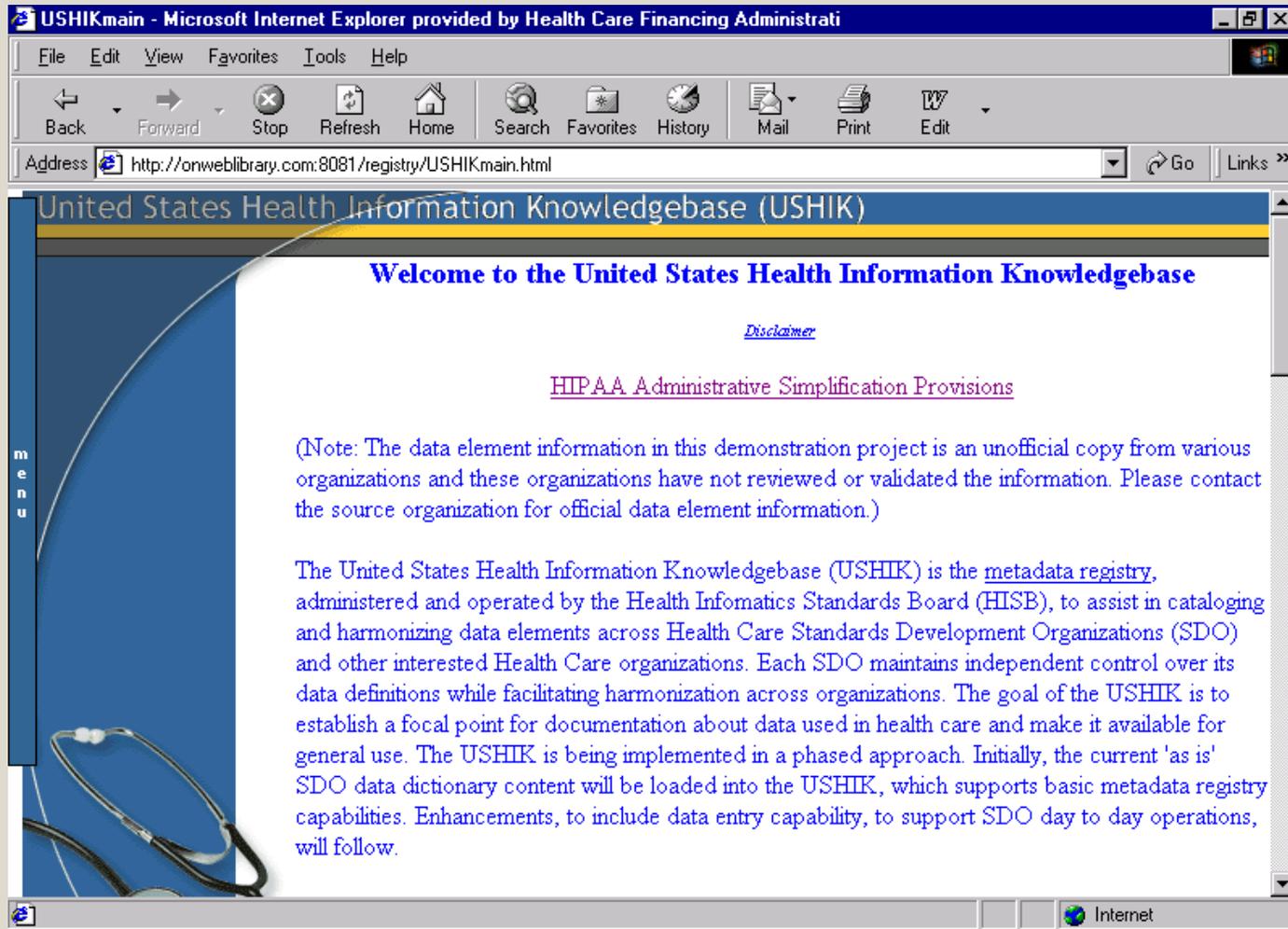
Done Internet

Viewing data element based on Health Insurance Portability and Accountability Act (HIPAA) groupings

- Viewing data elements based on transaction guides
- Viewing data elements based on transaction users

Viewing data element based on (HIPAA) groupings

Select "HIPAA Administrative Simplification Provisions" on the Home page



Viewing data element based on (HIPAA) groupings

Click on “Transaction Implementation Guides” on “HIPAA Administrative Simplification Provisions” page

HIPAA Administrative Simplification Provisions

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Address <http://onweblibrary.com:8081/registry/DSMO/HIPAAasp.html> Go

Health Insurance Portability and Accountability Act (HIPAA) Administrative Simplification Provisions

[Overview](#)

The USHIK focuses on the **data elements** that are used in the transactions and code sets covered by the HIPAA legislation from the following perspectives:

- [Transaction Implementation Guides](#)
- [Medical Data Code Sets](#)
- [Transaction Users](#)

[Designated Standard Maintenance Organizations](#)
manage HIPAA **data element** change requests through the HIPAA Transaction Standard Change Request System.

For HIPAA policy and regulations see the Health and Human Services [Administrative Simplification Web Site](#).

Done Internet

Viewing data element based on (HIPAA) groupings

Click on “270” to display Health Care Eligibility / Benefit Inquiry data elements

Data Elements from the HIPAA Standard Transaction Implementation Guides [Overview](#)

NCPDP (National Council for Prescription Drug Programs)	X12N (Accredited Standards Committee X12 Subcommittee N-Insurance)	HL7 (Health Level Seven)
Telecommunication Standard Format 5.1 Batch Standard, Version 1.1	Data Element Dictionary 270/271: Health Care Eligibility/ Benefit Inquiry and Information Response 277/275: DRAFT Health Care Claim Request for Additional Information and Response / HL7 Implementation Guide for A Additional Information to Support a Healthcare Claim or Encounter 276/277: Health Care Claim Status Request and Response 278: Health Care Services Review – Request for Review and Response 820: Payroll Deducted and Other Group Premium Payment for Insurance Products 834: Benefit Enrollment and Maintenance 835: Health Care Claim Payment/Advice	

Viewing data element based on (HIPAA) groupings

Click on "P(6)" to display data elements starting with "P"

The screenshot shows a Microsoft Internet Explorer browser window titled "Organizational Page - Microsoft Internet Explorer provided by Health Care Financing Administrati". The address bar contains the URL: `eView?ControlFile=c:\drcontrol.ini&SystemName=USHIK&Search=xxKeyIDxx&ModelOrgID=00000003&ModelRegID=00023819`. The page content includes a navigation menu with "Home", "Models", "Data Elements", "Data Collections", and "Initiatives". The main heading is "270 Eligibility, Coverage or Benefit Inquiry". Below this is a "Description" section and a "Model sub views associated with this model view" section. The "Data Elements associated with this model view or concept" section lists various elements: [A(1)] [B(2)] [C(4)] [D(14)] [E(2)] [F(0)] [G(0)] [H(5)] [I(23)] [J(0)] [K(0)] [L(1)] [M(0)] [N(0)] [O(0)] [P(6)] [Q(0)] [R(2)] [S(15)] [T(11)] [U(0)] [V(0)] [W(0)] [X(0)] [Y(0)] [Z(0)] [Others(0)] [All(86)]. A vertical "menu" label is on the left side. The status bar at the bottom shows "Done" and "Internet".

USHIK Data Model Detail Search:

United States Health Information Knowledgebase Home Models Data Elements Data Collections Initiatives

270 Eligibility, Coverage or Benefit Inquiry

Description: This Draft Standard for Trial Use contains the format and establishes the data contents of the Eligibility, Coverage or Benefit Inquiry Transaction Set (270) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to inquire about the eligibility, coverages or benefits associated with a benefit plan, employer, plan sponsor, subscriber or a dependent under the subscriber's policy. The transaction set is intended to be used by all lines of insurance such as Health, Life, and Property and Casualty.

Model sub views associated with this model view

Concepts associated with this model view

Data Elements associated with this model view or concept (count follows letter)

[A(1)] [B(2)] [C(4)] [D(14)] [E(2)] [F(0)] [G(0)] [H(5)] [I(23)] [J(0)] [K(0)] [L(1)] [M(0)] [N(0)] [O(0)] [P(6)] [Q(0)] [R(2)] [S(15)] [T(11)] [U(0)] [V(0)] [W(0)] [X(0)] [Y(0)] [Z(0)] [Others(0)] [All(86)]

Listing Created on Aug 17, 2001

Viewing data element based on (HIPAA) groupings

Click on "Provider Code" to display its metadata

United States Health Information Knowledgebase Home Models Data Elements Data Collections Initiatives

[Swap to Advanced Search](#)

Data Elements for Model 270 Eligibility, Coverage or Benefit Inquiry

Data Element	Matrix Authority	ID	Vers	Type	Status
Prior Authorization or Referral Number	NEW! <input type="checkbox"/>	X12	00026941	1	Data Element Incomplete
Procedure Code	NEW! <input type="checkbox"/>	X12	00026966	1	Data Element Incomplete
Procedure Modifier	NEW! <input type="checkbox"/>	X12	00026976	1	Data Element Incomplete
Product or Service ID Qualifier	NEW! <input type="checkbox"/>	X12	00026978	1	Data Element Incomplete
Provider Code	NEW! <input type="checkbox"/>	X12	00027020	1	Data Element Incomplete
Provider Identifier	NEW! <input type="checkbox"/>	X12	00027049	1	Data Element Incomplete

Done, but with errors on page. Internet

Viewing data element based on (HIPAA) groupings

“Provider Code” metadata is displayed. Click on “Relational and Representational Attributes”.

The screenshot shows a Microsoft Internet Explorer browser window titled "Organizational Data Element Page - Microsoft Internet Explorer provided by Health Care Financing Administrati". The address bar contains a long URL with parameters like "glID=&KeyOrgID=00000003&KeyRID=00027020&OrgID=&DataAgreementID=&DataCollectionID=&RecordOffset=4&KeywordID=". The page content includes the USHIK logo and navigation tabs for "Home", "Models", "Data Elements", "Data Collections", and "Initiatives". The main heading is "Provider Code" with a search box. Below this, it indicates "Record 5 Of 86" and provides navigation arrows. Five menu items are listed: "[Identifying and Definitional Attributes]", "[Relational and Representational Attributes]", "[Administrative Attributes]", "[Alternate Names and Contexts]", and "[Data Element Links]". The "Identifying and Definitional Attributes" section is expanded, showing details for "Data Element ID :0060-07-329-4837.00027020.v1", including its Name, Type, Status, Definition, Example, and Context.

USHIK Data Element Details Search:

United States Health Information Knowledgebase Home Models Data Elements Data Collections Initiatives

Provider Code

[Search](#)

Record 5 Of 86

[\[Identifying and Definitional Attributes\]](#) [\[Relational and Representational Attributes\]](#) [\[Administrative Attributes\]](#) [\[Alternate Names and Contexts\]](#) [\[Data Element Links\]](#)

Identifying and Definitional Attributes:

Data Element ID :0060-07-329-4837.00027020.v1

Name :Provider Code
Type :Data Element
Status :Incomplete as of 07/02/2001
Definition :Code identifying the type of provider.
Example :
Context :X12N Health Care Data Element Dictionary

Viewing data element based on (HIPAA) groupings

“Relational and Representational Attributes” type metadata for “Provider Code” is displayed.

Relational and Representational Attributes:

Data Type :ID
Representational Form :
Representational Layout :
Minimum Size :2
Maximum Size :2
Unit Of Measure :
Precision :
Minimum Range :
Maximum Range :
Data Domain :

Permissible value	Domain Meaning Name	Domain Meaning Definition Text
AD	Admitting	This data element utilizes a sub domain of the X12 data element domain that is based on the its use in a Transaction Set. Please refer to the Transaction Set Implementation Guide for the specific sub domain utilized.
AS	Assistant Surgeon	This data element utilizes a sub domain of the X12 data element domain that is based on the its use in a Transaction Set. Please refer to the Transaction Set

Viewing data element based on (HIPAA) groupings

Click on “Transaction Users” on “HIPAA Administrative Simplification Provisions” page

HIPAA Administrative Simplification Provisions - Microsoft Internet Explorer provided by Health Care Financing Administrati

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Address <http://onweblibrary.com:8081/registry/DSMD/HIPAA.asp.html> Go Links >>

United States Health Information Knowledgebase (USHIK)

**Health Insurance Portability and Accountability Act (HIPAA)
Administrative Simplification Provisions**

[Overview](#)

The USHIK focuses on the **data elements** that are used in the transactions and code sets covered by the HIPAA legislation from the following perspectives:

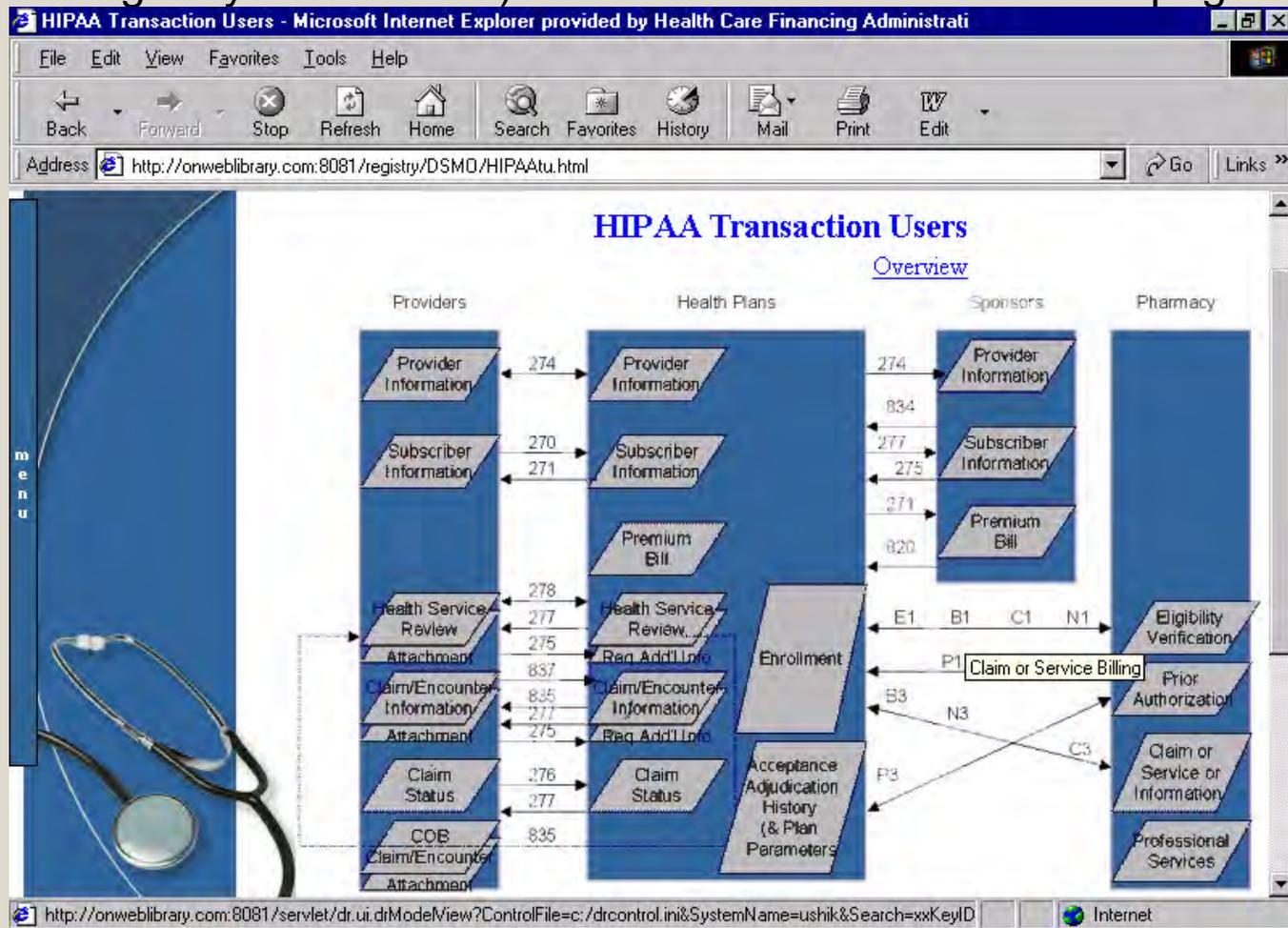
- [Transaction Implementation Guides](#)
- [Medical Data Code Sets](#)
- [Transaction Users](#)
- [Designated Standard Maintenance Organizations](#)

manage HIPAA **data element** change requests through the HIPAA Transaction Standard Change Request System.

Done Internet

Viewing data element based on (HIPAA) groupings

Click on “B1” (Claim or Service Billing transaction between “Enrollment” and “Eligibility Verification”) on “HIPAA Transaction Users” page



Viewing data element based on (HIPAA) groupings

"Billing" description is displayed.

The screenshot shows a Microsoft Internet Explorer browser window. The title bar reads "Organizational Page - Microsoft Internet Explorer provided by Health Care Financing Administrati". The address bar contains the URL: "deView?ControlFile=c:/drcontrol.ini&SystemName=ushik&Search=xxKeyIdxx&ModelOrgID=00000002&ModelRegID=00000180". The main content area displays the "USHIK" logo and the text "United States Health Information Knowledgebase". A navigation menu includes "Home", "Models", "Data Elements", "Data Collections", and "Initiatives". The "Billing" data element is selected, and its description is shown. The description text is as follows:

Description: CLAIM OR SERVICE BILLING -- as a result of a visit to a prescriber a patient is issued a prescription for a medication or a service. The patient takes that prescription to a pharmacy where the individual presents their prescription and insurance and/or pharmacy benefit id card. The pharmacist takes the card and keys in the eligibility and drug or service information into the pharmacy's computer. The pharmacy claim or service billing is formatted (transaction code b1) and sent to the pharmacy benefit manager/payer via a direct connect or switch. The pbm/payer then proceeds to check eligibility, benefit rules (coverage), drug (or service) validation and clinical/dur edits, as applicable. If approved, the pbm/payer then adjudicates the claim or service billing by calculating the cost of the service and any copays. The pbm/payer then credits the pharmacy's account, debits the payer's/sponsor's accounts and returns the approval along with a copay and reimbursement amounts to the pharmacy. If not approved, the pbm/payer returns a rejected response to the pharmacy. A plan sponsor seeks to improve the quality of patient care and/or reduce medical or drug costs through payments for appropriate professional service performed by a pharmacist. The Prescription Benefit Manager (PBM) notifies a pharmacist that an opportunity for service exists; this notification might occur on-line in response to a drug claim for a patient. The pharmacist performs the service, then documents the intervention by submitting coded values describing the opportunity, the service performed, and the result of the service to the PBM/Payer.

Below the description, the text "Model sub views associated with this model view" is visible. The browser's status bar at the bottom shows "Done" and "Internet".

Viewing data element based on (HIPAA) groupings

Scroll down to bottom of page to get access to select "Billing" data elements based on alphabet.

seeks to improve the quality of patient care and/or reduce medical or drug costs through payments for appropriate professional service performed by a pharmacist. The Prescription Benefit Manager (PBM) notifies a pharmacist that an opportunity for service exists; this notification might occur on-line in response to a drug claim for a patient. The pharmacist performs the service, then documents the intervention by submitting coded values describing the opportunity, the service performed, and the result of the service to the PBM/Payer.

Model sub views associated with this model view

Concepts associated with this model view

Data Elements associated with this model view or concept(count follows letter)

[A(10)] [B(3)] [C(20)] [D(16)] [E(9)] [F(3)] [G(2)] [H(1)] [I(4)] [J(0)] [K(0)] [L(1)] [M(5)] [N(1)] [O(16)] [P(44)] [Q(3)] [R(5)] [S(7)] [T(2)] [U(3)] [V(1)] [W(0)] [X(0)] [Y(0)] [Z(0)] [Others(0)] [All(156)]

Listing Created on Aug 17, 2001

[Home](#) | [Models](#) | [Data Elements](#) | [Data Collections](#) | [Initiatives](#) | [Organizations](#) | [Search](#)

The Health Informatics Standards Board (HISB) administrates USHIK. The HISB home web page is: http://web.ansi.org/rooms/room_41/.

Disclaimer: The source organization is responsible for data element information. Use the Organizations button to access the source organization's point of contact.

USHIK Home URL: <http://www.ushik.org>

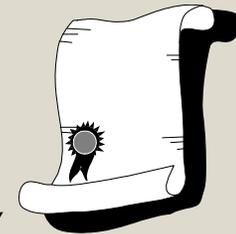
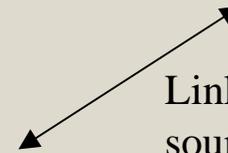
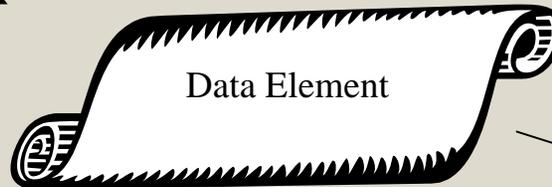
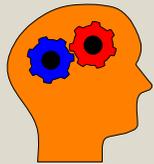
End of Demonstration on following:

- How to use USHIK metadata registry
 - Using an organization's information model along with data element mapping to find similar data elements
 - Search and comparing data elements
- Viewing data element based on Health Insurance Portability and Accountability Act (HIPAA) groupings

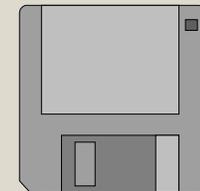
USHIK Metadata Registry

	Purpose	Value	Benefit
Describe data using common characteristics.	Promote development of good definitions of data.	Assists users of shared data to have a common understanding of a unit of data's meaning, representation, and identification.	Insures data quality of shared information.
Provide multiple ways to locate data definitions.	Provide both standard and custom 'drill-down' methods to data definitions.	Recognizes different points of view to narrow and focus on data definitions to be retrieved.	User not overwhelmed by number of data definitions.
Web accessible and data definitions downloadable.	Provide easy access and promote use of standards.	Good data definitions become standards.	Standards are re-used. Interoperability between system is easier and data quality improvements.
Able to link to information in other data registries.	Utilize data elements described by experts in their particular field.	Quality data elements that cover the breath of a field are created.	Resources are not used to recreate data elements.

Metadata Registry Overview



Link to authoritative sources to reuse experts work.



Provide access to data element characteristics and code sets via web for downloading and reuse in application development.

Provide alternate paths for different types of users to locate data element information.

Use customary characteristics based on an international standard to describe data elements.