



**HL7 Version 2.6 Implementation Guide: Vital Records
Birth and Fetal Death Reporting,**

Release 1 STU Release 2- US Realm

Standard for Trial Use

April 2020

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PUBLIC HEALTH AND EMERGENCY RESPONSE WORK GROUP

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1 INTRODUCTION

1.1 Purpose

This document provides a technical messaging specification for transmitting birth and fetal death related information using the HL7 Version 2.6 ADT Update Patient Information. The reporting requirements are consistent with the 2003 Revision of the United States (U.S.) Standard Certificate of Live Birth and the U.S. Standard Report of Fetal Death that is available from the Centers for Disease Control and Prevention (CDC)/National Center for Health Statistics (NCHS) website at:

http://www.cdc.gov/nchs/vital_certificate_revisions.htm. Our goal is to enable interoperable electronic data exchanges among electronic health record systems, U.S. vital records systems and the national statistical agency, NCHS. The use cases represented within this implementation guide (IG) describe the technical requirements for reporting birth and fetal death information from a clinical setting to the jurisdictional vital records office that sends vital records information to NCHS. Additionally, the document provides support for NCHS to report information back to the jurisdictional vital records office.

1.2 Audience

This guide is designed for use by analysts and developers who require guidance relative to the specialized use of the HL7 Version 2.6 ADT Update Patient Information for providing birth & fetal death reporting information. The IG will be informative to health care provider organizations, jurisdictional vital records offices, the NCHS, health information exchange organizations and other vital records birth reporting stakeholders. Users of this guide must be familiar with the details of HL7 message construction and processing. This guide is not intended to be a tutorial on that subject.

1.3 Background

Health data standards serve as the foundation for electronic health records (EHR) systems and support interoperability with public health programs and health data systems. Vital records can benefit from utilizing a national standardized approach to data collection and transmission that is consistent with health information systems including electronic health records. Such integration of information can potentially improve public health's ability to monitor the health of the nation and the health care system, and link data in multiple ways for a healthier population.

Message content is based on the standard certificates and worksheets developed by NCHS. The relevant documents can be found at the CDC/NCHS website at:

https://www.cdc.gov/nchs/vital_certificate_revisions.htm that includes all reference to the 2003 Revisions of the U.S. Standard Certificates of Live Birth and Death and the Fetal Death Report.

This implementation guide is the successor to the HL7 V2.5.1 Implementation Guide: Birth & Fetal Death Reporting. The content has been expanded to include reporting from vital records organizations to NCHS as well as data transmitted back from NCHS. The content has been updated to a later version of the HL7 standard, and numerous corrections applied.

1.4 Scope

This specification covers the transmission of relevant demographic and medical/health information for live birth and fetal death reporting to the applicable jurisdictional vital records office, and to NCHS, the national statistical agency for the United States. It also includes the return communication of relevant coded data items from NCHS to the applicable jurisdictional vital records office.

The use cases and specific information exchanges supported by the document are defined within the Message Profile section.

1.5 Use of Vocabulary Standards

This guide calls for specific vocabulary standards for managing live birth and fetal death reporting information. Use of standard vocabularies is important for a number of reasons. Use of standard vocabularies allows broad distribution of healthcare information without the need for individual institutions to exchange master files for data such as test codes, result codes, etc. Each institution maps its own local vocabularies to the standard code, allowing information to be shared broadly, rather than remaining isolated as a single island of information.

Successful message implementation requires that transmitted messages (message instances) contain valid values for coded fields. It is important to note that code sets are relatively dynamic and subject to change between publications of these implementation guides.

Every code value passed in a message instance is drawn from a code system that has a globally unique identifier, such as an OID. In general, the coded values allowed in a field (a) may be drawn from more than one code system, and (b) may be a subset of the codes from a given coding system. Combining (a) and (b) makes it possible for the allowed code value to be a combination of multiple subsets drawn from multiple coding systems. In most cases, only a subset of the codes defined in a code system are legal for use in a particular message.

The subsets of the codes that are legal for a particular field is identified by an HL7 construct known as a "value set." A value set is a collection of coded values drawn from code systems. Value sets serve to identify the specific set of coded values for the message from the universe of coded values across all coding systems.

The segment tables identify the value set or coding system used for each supported field containing a coded value. Fields that use the data type CWE require that messages include not only coded value but also the code that uniquely defines the coding system. This coding system identifier is drawn from HL7 0396.

Value sets are identified by a unique identifier also, but this identifier is not transmitted in the message. The identifier or code for the coding system from which the value is derived is sent in the message. However, the value set identifier is useful and important when vocabulary items are modified or replaced.

1.5.1 IMPLEMENTATION GUIDE VALUE SETS

The Value Set section shows the various value sets/code systems used in this implementation guide. Value sets within this implementation guide are maintained within PHIN (Public Health Information Network) VADS (Vocabulary Access and Distribution System), and the most recent set of values may be obtained through

download from PHIN VADS. [More information can be found under the heading of PHIN Tools and Resources, PHIN Vocabulary within CDC's sponsored web pages.] For convenience, and because these value sets are very unlikely to change, those value sets that control structural features of the conformance profiles, e.g., the list of valid HL7 trigger events, are included within the IG. For the content of the rest of the value sets, it is necessary to refer to PHIN VADS.

The header for each Value Set entry corresponds with the value set identified in the Value Set column of the data type and segment attribute tables found above. Additionally, PHIN VADS object identifiers (OIDs) are included. A number of the included value sets are based on HL7 defined tables. In some cases the entire table contents are included, in others only a subset is needed for birth and fetal death reporting. In either case, PHIN VADS acts only as a repository for codes that are defined by and controlled by HL7. All such tables are indicated by inclusion of a reference to Health Level 7 - (HL7) - in the name of the Code System that the value sets are drawn from.

1.5.2 VALUE SET EXTENSIONS

The implementation guide is based on the data content that is defined by US national vital records standards. There are a number of additional demographic, and medical and health information items of interest to particular jurisdictions. These items are mandated for reporting by providers in those jurisdictions.

Implementers within jurisdictions that mandate additional data content may accommodate that content by extending the value sets defined for this implementation guide. In particular, the value sets that define the types of observations that may be collected are subject to extension in order to address local requirements.

1.6 Key technical decisions [conventions]

The guide is constructed assuming the implementer has access to the HL7 Messaging Standard Version 2.6 (HL7 v2.6). Although some information from the standard is included in this implementation guide, much information from the standard has not been repeated here.

The rules outlined in HL7 2.6, Chapter 2, Section 2.B, Conformance Using Message Profiles, were used to document the use case for, and constraints applied to, the messages described in this guide. Data types have been described separately from the fields that use the data types. For details regarding data type field lengths, please refer to Section 1.6.3, Lengths, in this document.

No conformance information is provided for optional message elements. Refer to the base standard when optional elements are implemented.

1.6.1 DOCUMENT CONVENTIONS

This implementation guide has been created using the IGAMT (Implementation Guide Authoring and Management Tool) under development by NIST. It documents the use cases defined for birth and fetal death reporting and includes the conformance profiles needed to support those use cases. The document follows the current NIST convention by which a conformance profile is bound to a single Version 2 trigger event. Segment flavors are defined to allow specification of the relevant constraints for the individual conformance profile. The same has been done for data types - data type flavors are defined to indicate the usage of data types within this

guide. Those flavors that are used throughout the guide have been given the suffix (BR), more extended suffixes are used for those that are constrained within the guide.

Conformance profiles within this guide only list those segments which are needed to support the data that has been defined for birth and fetal death reporting. This does not preclude implementers from including other, optional segments within message instances. However, the document offers no guidance on how the content of such segments is to be used, and receiving systems are under no obligation to process their content.

Most of the included segments are used across the list of conformance profiles. Within each conformance profile, conformance statements and conditional predicates are used to define profile specific constraints on individual fields. There are also field specific constraints that address field usage, and the value set that a coded element is constrained to. Given the IGAMT design these types of constraints cannot be recorded directly against a conformance profile, however they can be documented as a "profile component", and linked to the conformance profile by creating a "composite profile". Currently, while these items can be created within IGAMT, they are not included as part of the export that creates an implementation guide document. As a result, they have been created separately and pasted in. The reader should note that, when the IGAMT export includes these features, their representation within the IG may change.

1.6.2 MESSAGE ELEMENT ATTRIBUTES

The following table describes the various attributes used by this guide to document data type attribute tables, message structure attribute tables and segment attribute tables. Not all attributes apply to all attribute tables.

TABLE 1 MESSAGE ELEMENT ATTRIBUTES

Attribute	Definition
Seq	Sequence of the elements as numbered in the HL7 message element. The Seq attribute applies to the data type attribute table and the segment attribute table.
Segment	Three-character code for the segment and the abstract syntax (e.g., the square and curly braces). [XXX] Optional { XXX } Repeating XXX Required [{ XXX }] Optional and Repeating Note that for segment groups there is no segment code present, but the square and curly braces will still be present. The Segment attribute only applies to the Message attribute table.
Length	Maximum number of characters that one occurrence of the data field may occupy.
DT	Data type used by this profile for HL7 element. The data type attribute applies to data type attribute tables and segment attribute tables.

Attribute	Definition
Usage	Usage of the message element for this profile. Indicates whether the message element (segment, segment group, field, component, or subcomponent) is required, optional, or conditional in the corresponding message element. (See the descriptions in Table 2 below.) Usage applies to the message attribute table, data type attribute table and the segment attribute table.
Cardinality	<p>Minimum and maximum number of times the element may appear.</p> <p>[0..0] Element never present.</p> <p>[0..1] Element may be omitted and can have, at most, one occurrence.</p> <p>[1..1] Element must have exactly one occurrence.</p> <p>[0..n] Element may be omitted or may repeat up to n times.</p> <p>[1..n] Element must appear at least once, and may repeat up to n times.</p> <p>[0..*] Element may be omitted or repeat an unlimited number of times.</p> <p>[1..*] Element must appear at least once, and may repeat unlimited number of times.</p> <p>[m..n] Element must appear at least m, and at most, n times.</p> <p>Cardinality applies only to message attribute tables and segment attribute tables.</p>
Value Set	The set of coded values to be used with the field. The value set attribute applies only to the data type attribute tables and the segment attribute tables. The value set may equate with an entire code system part of a code system, or codes drawn from multiple code systems.
Name	HL7 descriptor of the message element. Name applies to the message attribute table, data type attribute table and the segment attribute table.
Description/Comments	Context and usage for the element. Description/Comments applies to the message attribute table, data type attribute table and the segment attribute table.

1.6.3 USAGE CONFORMANCE TESTING RECOMMENDATIONS

The following table provides some recommendations for testing the various usage codes described in the previous table.

TABLE 2 USAGE CONFORMANCE TESTING RECOMMENDATIONS

Usage	Recommendation
R - Required	Required elements must be present in a message instance with the following caveats:

Usage	Recommendation
	<p>A required segment, which is contained within a segment group, is required only when the segment group is present in the message. For instance if the segment group is RE, then when the segment group is present, the required segments in that group must be present.</p> <p>A required field in a segment is required only when the segment itself is present in the message. For instance if the segment is CE (conditional or empty) and the conditional predicate is satisfied, then the segment is present in the message and the required fields must be present in the segment.</p> <p>A required component of a data type is required only when the field the data type is associated with is present in the message.</p> <p>Testing of a required element generally involves generating both a fully populated message instance as well as a minimally populated message instance. It may be necessary to generate specific test cases to handle separate segment groups, segments, etc. depending on the usage associated with these higher level elements within a message.</p>
RE - Required, but can be empty	<p>Since conformant senders must be able to show they can send this data, the primary mechanism for testing the RE usage would involve requiring the sender to transmit a "fully" populated message instance from their application. In this case, the expectation is that the message will be generated by the application, not handcrafted. The message would contain all data the sending application can populate in the message. This generally means the sender would be populating in their application all data elements being tested, including those that are optional in the application.</p>
O - Optional	<p>Conformance testing for optional elements would not normally be performed. If a particular implementation decides to use an optional element, it should create an implementation specific profile which further constrains this profile, making the optional element either required, required but may be empty, condition or conditional but may be empty, and then test the element in question based upon the assigned usage in that profile.</p>
C - Conditional	<p>Testing conditional elements generally means a special test case must be developed based upon the specific conditional rule or conditional predicate documented for the element.</p>
B - Backwards Compatibility	<p>Obsolete, retained for backwards compatibility only.</p>
X - Not used for this profile	<p>Testing this usage code usually involves looking at both fully populated and minimally populated messages. Note that the sending application may collect the data element in question, but it should not communicate that data element in message instances.</p>

1.7 Messaging Framework

The section describes relevant elements of HL7 V2 messaging, and their use within the Implementation Guide.

1.7.1 DELIMITERS

This profile supports the use of the normal HL7 delimiters. It is recommended, but not required, that implementers be able to send messages using the standard HL7 delimiters. Receivers must be capable of receiving any legal delimiters that are sent in a particular message instance.

This table is drawn from HL7 Version 2.6, which offers information regarding best practices. Note that this implementation guide includes additional constraints and explanations for the entries.

TABLE 3 DELIMITERS

Delimiter	Required Value	Encoding Character Position	Description
Segment Terminator	<cr>	-	Terminates a segment record. This value cannot be changed by implementers. Additional Constraints and Explanation: The <cr> denotes the ASCII-013 carriage return character. There is a common misunderstanding that a linefeed character, or carriage return followed by a linefeed character, is allowed also. Neither HL7 nor this profile allows either of these two as part of the segment terminator. Only the ASCII-013 carriage return is allowed.
Field Separator		-	Separates two adjacent data fields within a segment. It also separates the segment ID from the first data field in each segment.
Component Separator	^	1	Separates adjacent components of data fields where allowed.
Repetition Separator	~	2	Separates multiple occurrences of a field where allowed.
Escape Character	\	3	Use the escape character with any field represented by an ST, TX or FT data type, or for use with the data (fifth) component of the ED data type. If no escape characters are used in a message, this character may be omitted. However, it must be present if subcomponents are used in the message. Best practice is always to include this character.
Subcomponent Separator	&	4	Separates adjacent subcomponents of data fields where allowed. If there are no subcomponents, this character may be omitted. Best practice is always to include this character.

1.7.2 LENGTHS

The maximum length is not of conceptual importance in the abstract message or the HL7 coding rules. The length of a field is normative. Changes to the field length may be negotiated by a site agreement such as a

conformance profile. The receiver must be able to receive up to the maximum field length, and the sender can send up to the maximum field length.

Field length is determined based on the data type lengths, and should fall between the lower and the upper bounds for the corresponding data types. It is calculated to include the component and subcomponent separators. Because the maximum length is that of a single occurrence, the repetition separator is not included in calculating the maximum length.

Note: In HL7 Version 2.6, the length of 65536 has a special meaning: For HL7, "If the maximum length needs to convey the notion of a Very Large Number, the number 65536 should be displayed to alert the user." In this implementation guide, fields or components with length 65536 should be understood as having no prescribed length. Receivers should be prepared to accept any size chunk of data carried in the field or component.

1.7.3 SNAPSHOT PROCESSING

HL7 distinguishes between two methods of update: the "snapshot" and the "action code/unique identifier" modes. Both modes apply to repeating segments and repeating segment groups. For repeating fields, only snapshot processing applies. For the purpose of this guide, only snapshot processing is supported for segments, segment groups and fields.

Within the context of snapshot processing, there is no need to differentiate between a null and an empty value for a field or component. If a field is required, a non-null value must be provided. There are cases within this guide in which there is no functionally meaningful value for a required field within a message segment. In such cases, the document provides instructions for providing a "dummy value" to fulfill the usage requirement.

In addition, this implementation guide provides no support for the concept of "null flavors." There are cases, for coded fields, in which it is relevant to indicate why an expected value is not available. In such cases, the needed concept, drawn from the Null Flavor code system, is added to the value set for the field. In other words, using "" to indicate that information is not present is discouraged. The field in question should be omitted. In some cases, i.e., that of OBX, this implies omitting the segment.

2 MESSAGE COMPONENTS

This section covers the various components of the Implementation Guide. It includes a number of constructs, some of which are new to an HL7 V2 IG.

2.1 Profile components

This provides a mechanism to record constraints that are common to several conformance profiles. For Vital Records birth and fetal death reporting, the profile components document the allowable collection of observations for a particular use case, by defining the value set to be used for OBX.3 - Observation Identifier. The content of these values sets are defined within the Value Set section, along with other relevant value sets.

2.2 Conformance profiles

Each of these documents the collection of segment flavors (with one exception described below) that is assembled to address the requirements of a particular use case. The reader should note that the use case section provides some context for the conformance profiles, and records the profile or profiles that are needed to address the individual use case. Profile specific conformance statements are documented as well.

2.3 Composite profiles

Used to complete profile descriptions by including relevant constraints that are documented as profile components. Where a composite profile is present, it overrides the description provided for the conformance profile; if no composite profile is defined using the conformance profile, its description is used for messaging. Each composite profile includes a single conformance profile and one or more profile components. These are documented as the "composition" of the profile. For Vital Records birth and fetal death reporting, composite profiles include only a single profile component which documents the particular value set controlling the collection of valid observations. Like the conformance profile, the composite profile includes the relevant collection of segment flavors and conformance statements. HOWEVER, the segment flavors here include flavors of the OBX segment created by the IGAMT tool in order as the mechanism to represent the value set constraint for OBX.3 which was documented in the profile component section. These OBX segment flavors are listed, but they have been excluded from the IG publication in order to reduce document size. (The OBX segment description includes the full list of observation types - the IGAMT tool refers to these as "co-constraints" - created for the IG. Including the created OBX flavors in the IG involves repetition of the list of observation types and adds approximately 500 pages to the document.)

2.4 Segment and Field Descriptions

Descriptions of the segment flavors - including field descriptions - that are used within the IG. Segment flavors have been defined to clearly indicate which fields within a segment are to be supported, how the field is supported through assignment of a datatype flavor, and - if needed - to specify the value set that is used. As noted, those OBX flavors that were created solely to document the value set for OBX.3 have been suppressed from the export used to create the IG document.

2.5 Datatypes

Descriptions of the data type flavors that are used within the IG. These, in a manner similar to the segment flavors, indicate which components within the datatype are to be supported, how the component is supported through assignment of a datatype flavor, and - if needed - to specify the value set that is used.

2.6 Value sets

Description of the value sets used within the IG. All of the value sets have their primary documentation within PHIN VADS, and may have their content downloaded from that system. Value set flavors have been defined, where needed, to indicate which value sets may need to be extended by implementers at the jurisdiction and provider level.

2.7 Conformance Information

A summary of the conformance statements and conditional predicates that have been defined within the document. Each of these is also documented in the context of the relevant profile, segment or datatype.

3 USE CASES

Birth and Fetal Death reporting includes the transmission of data from health care providers to jurisdictional vital records offices. Since data associated with the mother of the baby or fetus may be communicated independently from that associated directly with the labor and delivery encounter and the responsible healthcare facility, multiple use cases have been defined for communicating information from the electronic health record system. Data also flows onward to the national statistical agency, the Centers for Disease Control and Prevention/NCHS. In addition, data is returned from the national statistical agency to the jurisdictional vital records office.

The goal of the use case is to provide safe, reliable delivery of relevant clinical information from the indicated sender to the indicated receiver. The decision whether to use the HL7 Acknowledgements is up to the implementers, and is likely to be influenced by the choice of transport mechanism.

Several use cases are needed to support these requirements. Each use case is associated with one or more conformance profiles, identified in Chapter 3 - Message Infrastructure. The birth/fetal death reporting information flow diagram below gives a high level view of the information exchanges that are involved.

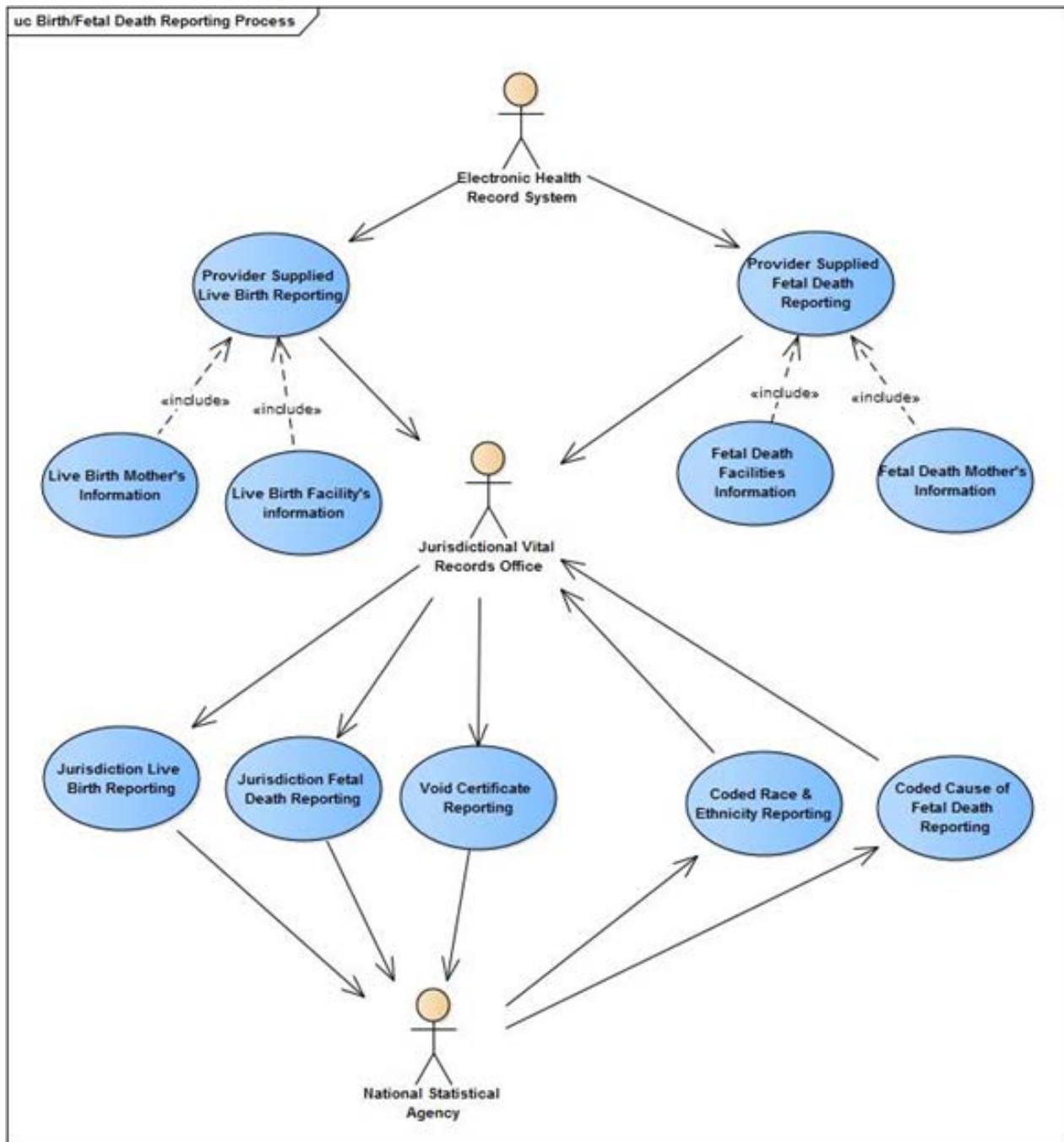


FIGURE 1 BIRTH FETAL DEATH REPORTING PROCESS

3.1 Provider Supplied Live Birth Reporting

The use case addresses the need for live birth information to be recorded and communicated to the jurisdictional vital records office. For the most part, labor and delivery takes place at a healthcare provider site. When a baby is delivered at home, or on the way to the hospital, the mother and baby are typically taken to the hospital for evaluation and possible treatment. Personal and pregnancy information is collected from the mother or an informant, while information regarding labor and delivery and the condition of the newborn is collected from the responsible party at the healthcare facility. The information from these two sources may be communicated to the jurisdiction vital records office within a single transaction. On the other hand, it is possible

for the two collections of information to be communicated independently. The included use cases have been defined to support definition of multiple profiles for managing the live birth information either within a single transaction, or as separate transactions. In those cases in which facility information and mother's information are communicated in separate transactions, it is expected that the needed linking information will be provided.

The data requirements for provider supplied live birth information are based on the Edit Specifications for the 2003 Revision of the U.S. Standard Certificate of Birth, the US Standard Facility Worksheet for the Live Birth Certificate, the US Standard Attachment to the Facility Worksheet for the Live Birth Certificate for Multiple Births, and the US Standard Mothers Worksheet for Child's Birth Certificate. The jurisdiction may have additional data requirements and edit specifications that will be addressed at the jurisdictional level.

Actors: Electronic Health Records System (data source), Jurisdictional Vital Records Office (data receiver)

Conformance Profiles: Report Provider Supplied Live Birth Information, Revise Provider Supplied Live Birth Information

Included Use Cases: Live Birth Mother's Information, Live Birth Facility Information

3.1.1 LIVE BIRTH MOTHER'S INFORMATION

The use case addresses the scenario in which information collected from the mother, as primarily defined using the Mother's Worksheet, is managed independently for communication to the jurisdictional vital records office.

The data requirements for live birth mother's information are based on the US Standard Mother's Worksheet for Child's Birth Certificate. The jurisdiction may have additional data requirements and edit specifications that will be addressed at the jurisdictional level.

Source Use Case: Provider Supplied Live Birth Reporting. Actor and trigger information is defined within the source use case.

Conformance Profiles: Report Provider Supplied Mother's Live Birth Information, Revise Provider Supplied Mother's Live Birth Information

3.1.2 LIVE BIRTH FACILITY INFORMATION

The use case addresses the scenario in which information for labor and delivery and the condition of the newborn collected by healthcare provider staff, as primarily defined using the Facility Worksheet, is managed independently for communication to the jurisdictional vital records office.

The data requirements for live birth facility information are based on the US Standard Facility Worksheet for the Live Birth Certificate and the US Standard Attachment to the Facility Worksheet for the Live Birth Certificate for Multiple Births. The jurisdiction may have additional data requirements and edit specifications that will be addressed at the jurisdictional level.

Source Use Case: Provider Supplied Live Birth Reporting. Actor and trigger information is defined within the source use case.

Conformance Profiles: Report Provider Supplied Facility's Live Birth Information, Revise Provider Supplied Facility's Live Birth Information,

3.2 Provider Supplied Fetal Death Reporting

The use case addresses the need for fetal death information to be recorded and communicated to the jurisdiction vital records office. For the most part, labor and delivery takes place at a healthcare provider site. When the delivery takes place at home, or on the way to the hospital, the mother and fetus will be taken to the hospital for evaluation and possible treatment. Personal and pregnancy information is collected from the mother or an informant, while information regarding labor and delivery and the fetus is collected from the responsible party at the healthcare facility. The information from these two sources may be communicated to the jurisdiction vital records office within a single transaction. On the other hand, it is possible for the two collections of information to be communicated independently. The included use cases have been defined to support definition of multiple profiles for managing the fetal death information either within a single transaction, or as separate transactions. In those cases in which facility information and mother's information are communicated in separate transactions, it is expected that the needed linking information will be provided.

The data requirements for provider supplied fetal death information are based on the U.S. Standard Report of Fetal Death, the US Standard Facility Worksheet for the Report of Fetal Death, and the US Standard Patient's Worksheet for the Report of Fetal Death. The jurisdiction may have additional data requirements and edit specifications that will be addressed at the jurisdictional level.

Actors: Electronic Health Records System (data source), Jurisdictional Vital Records Office (data receiver)

Conformance Profiles: Report Provider Supplied Fetal Death Information, Revise Provider Supplied Fetal Death Information

Included Use Cases: Fetal Death Mother's Information, Fetal Death Facility Information

3.2.1 FETAL DEATH MOTHER'S INFORMATION

The use case addresses the scenario in which information collected from the mother, as primarily defined using the Patient's Worksheet, is managed independently for communication to the jurisdictional vital records office.

The data requirements for fetal death mother's information are based on the US Standard Patient's Worksheet for the Report of Fetal Death. The jurisdiction may have additional data requirements and edit specifications that will be addressed at the jurisdictional level.

Source Use Case: Provider Supplied Fetal Death Reporting. Actor and trigger information is defined within the source use case.

Conformance Profiles: Report Provider Supplied Mother's Fetal Death Information, Revise Provider Supplied Mother's Fetal Death Information

3.2.2 FETAL DEATH FACILITY INFORMATION

The use case addresses the scenario in which information for labor and delivery and relevant information for the fetus collected by healthcare provider staff, as primarily defined using the Facility Worksheet, is managed independently for communication to the jurisdictional vital records office.

The data requirements for fetal death facility information are based on the US Standard Facility Worksheet for the Report of Fetal Death. The jurisdiction may have additional data requirements and edit specifications that will be addressed at the jurisdictional level.

Source Use Case: Provider Supplied Fetal Death Reporting. Actor and trigger information is defined within the source use case.

Conformance Profiles: Report Provider Supplied Facility's Fetal Death Information, Revise Provider Supplied Facility's Fetal Death Information

3.3 Jurisdiction Live Birth Reporting

The use case addresses the need for information concerning a live birth and the issuance of a Birth Certificate to be recorded and communicated to NCHS.

The data requirements for jurisdictional reporting of live births are based on the Birth Edit Specifications for the 2003 Proposed Revision of the U.S. Standard Certificate of Birth.

Actors: Jurisdictional Vital Records Office (data source), NCHS (data receiver)

Conformance profiles: Report Jurisdiction Live Birth Information, Revise Jurisdiction Live Birth Report Information

3.4 Jurisdiction Fetal Death Reporting

The use case addresses the need for information concerning a fetal death and the creation of a jurisdictional file to be recorded and communicated to NCHS.

The data requirements for jurisdictional reporting of fetal deaths are based on the Fetal Death Edit Specifications for the 2003 Revision of the U.S. Standard Report of Fetal Death.

Actors: Jurisdictional Vital Records Office (data source), NCHS (data receiver)

Conformance Profiles: Report Jurisdiction Fetal Death Information, Revise Jurisdiction Fetal Death Information

3.5 Void Certificate Reporting

The use case addresses the need for information concerning the voiding of an individual Birth Certificate to be recorded and communicated to NCHS.

The data requirements for jurisdictional reporting of voided certificates are addressed within the Birth Edit Specifications for the 2003 Proposed Revision of the U.S. Standard Certificate of Birth, and the Fetal Death Edit Specifications for the 2003 Revision of the U.S. Standard Report of Fetal Death.

Actors: Jurisdictional Vital Records Office (data source), NCHS (data receiver)

Conformance Profiles: Report Void Live Birth Report Certificate Information, Report Void Fetal Death Report Information

3.6 Coded Cause of Fetal Death Reporting

The use case addresses the need to return coded cause of death information to jurisdictions based on the causal data provided as part of the fetal death report.

The data requirements for coded cause of fetal death information are based on The Facility Worksheet for the Report of Fetal Death, and on the ICD10 Mortality Fetal Manual 2016 (Instructions for the Automated Classification of the Initiating and Multiple Causes of Fetal Deaths)

Actors: NCHS (data source), Jurisdictional Vital Records Office (data receiver)

Conformance Profiles: Report Coded Cause of Fetal Death, Revise Coded Cause of Death

3.7 Coded Race & Ethnicity Reporting

The use case addresses the need to provide a single race code and a single ethnicity code for mother and father to the Jurisdictional Vital Records Office in those cases in which multiples of each were supplied. This enables the construction of consistent time series information.

The data requirements for coded race & ethnicity information are based on the Office of Management and Budget - Revisions to the standards for the classification of federal data on race and ethnicity. Federal Register 62FR58782. 1997. Available from: https://obamawhitehouse.archives.gov/omb/fedreg_1997standards.

Actors: NCHS (data source), Jurisdictional Vital Records Office (data receiver)

Conformance Profiles: Report Coded Race & Ethnicity for Live Birth, Revise Coded Race & Ethnicity for Live Birth. Report Coded Race & Ethnicity for Fetal Death, Revise Coded Race & Ethnicity for Fetal Death.

4 EXAMPLE LIVE BIRTH/FETAL DEATH MESSAGES

This implementation guide describes the use of HL7 for alive Birth and Fetal Death Reporting. Each message can be sent with or without acknowledgement required, and example acknowledgements are relevant for those cases in which an acknowledgement is indicated. Given the number of profile components, many message examples, each slightly different could be created. Instead, the document includes examples of a death report message for each of the listed use cases. In addition, a single example for a report retraction, and for an acknowledgement are included.

The examples provided in this section are handcrafted and as such are subject to human error. Examples should not be used as the basis for implementing the messages in the implementation guide. Examples are provided to illustrate use of the messages.

4.1 Provider Supplied Facility Live Birth Information

MSH|^~\&|2.16.840.1.114222.4.3.2.2.1.4|NCHS|2.16.840.1.114222.4.3.2.2.3600.7|CDPH|2019010918
2319-0600||ADT^A04^ADT_A01|12233355619|P|2.6|||AL|AL|US|||PSFLBIA04_V1.0

EVN||20190109180331-0600||LB

PID|1||000011^^CDPH^BR~201900011^^CDPH^BR||Quinn^BabyG^^^^U|King|201902121300|F|||1
875 West Morton Avenue^^Salt Lake City^UT^84116^US^BDL|||||||||N

NK1|1|Quinn^Jada^Ann|MTH^Mother^HL70063|||||||||19850115|||||||2186-5^Non-
Hispanic^CDCREC|||||2106-3^White^CDCREC~1002-5^American Indian or Alaska
Native^CDCREC|||UT

PV1||N||||20190105|||||||||5^Private Insurance^CDCPHINVS^2.16.840.1.114222.4.11.7163|

OBX|1|CWE|73766-8^OccurrencePlace^LN||22232009^Hospital^SCT|||||F

OBX|2|CX|62329-8^FacilityIDStateAssigned^LN||0290^^CADOH^FI|||||F

OBX|3|CWE|73764-3^AttendantAtBirth^LN||112247003^MD^SCT|||||F

OBX|4|DTM|69044-6^FirstPrenatalCareDate^LN||20180720|||||F

OBX|5|NM|11638-4^PreviousLivebirthsNowLiving^LN||1|||||F

OBX|6|NM|68496-9^PreviousLivebirthsNowDead^LN||0|||||F

OBX|7|DTM|68499-3^LastLiveBirthDate^LN||201411|||||F

OBX|8|DTM|8665-2^DateLastMensesYear^LN||20180605|||||F

OBX|9|CWE|73775-9^RiskFactor^LN||48194001^Gestational hypertension^SCT^^^^^|||||F

OBX|10|NM|68497-7^RiskFactorNumberPreviousCesarean^LN||0|||||F

OBX|11|CWE|73761-9^DeliveryMethodFetalPresentation^LN||6096002^Breech^SCT|||||F

OBX|12|CWE|73762-7^DeliveryMethodRoute^LN||11466000^Cesarean^SCT|||||F

OBX|13|CWE|73760-1^DeliveryMethodAttemptedLabor^LN||Y^Yes^HL70532|||||F

OBX|14|NM|8339-4^BirthWeightGrams^LN||2500|g^Grams^UCUM|||||F

OBX|15|NM|11884-4^ObstetricGestationEstimate^LN||36|wk^Weeks^UCUM|||||F

OBX|16|XON|62330-6^Birth Hospital Facility Name^LN||South Hospital^^^^^20|||||F

OBX|17|CX|62329-8^Birth Hospital Facility Id^LN||5555512^^1^100^1^20|||||F

OBX|18|NM|9274-2^5 minute Apgar Score^LN||5|||||F

OBX|19|NM|9271-8^10 minute Apgar Score^LN||7|||||F

OBX|20|CWE|73812-0^Abnormal conditions of the newborn^LN||434621000124103^Antibiotics given for suspected neonatal sepsis^SCT|||||F

OBX|21|NM|69461-2^Body weight at delivery^LN||175|lb^Pounds^UCUM|||||F

OBX|22|CWE|73813-8^Characteristics of labor and delivery^LN||236958009^Induction of labor^SCT|||||F

OBX|23|CWE|73813-8^Characteristics of labor and delivery^LN||434691000124101^Antibiotics received during labor^SCT|||||F

OBX|24|CWE|73813-8^Characteristics of labor and delivery^LN||11612004^Chorioamnionitis^SCT|||||F

OBX|25|CWE|73813-8^Characteristics of labor and delivery^LN||249135009^Meconium stained liquor^SCT|||||F

OBX|26|CWE|73813-8^Characteristics of labor and delivery^LN||130955003^Fetal intolerance^SCT|||||F

OBX|27|CWE|73813-8^Characteristics of labor and delivery^LN||231064003^Epidural or spinal anesthesia^SCT|||||F

OBX|28|CWE|73780-9^Congenital anomalies of the newborn^LN||260413007^None^SCT|||||F

OBX|29|DTM|68500-8^Date last other pregnancy outcome^LN||0000|||||F

OBX|30|CWE|73756-9^Infant is being breastfed at discharge^LN||Y^Yes^HL70532|||||F

OBX|31|CWE|73757-7^Infant living at time of report^LN||Y^Yes^HL70532|||||F

OBX|32|CWE|73758-5^Infant was transferred within 24 hours of delivery^LN||N^No^HL70532|||||F

OBX|33|CWE|72519-2^Infections present and treated during this pregnancy for live birth^LN||260413007^None^SCT|||||F

OBX|34|CWE|73781-7^Maternal morbidity^LN||260413007^None^SCT|||||F

OBX|35|CWE|73763-5^Mother was transferred for maternal medical or fetal indications for delivery^LN||N^No^HL70532|||||F

OBX|36|CWE|73776-7^No prenatal care^LN||N^No^HL70532|||||F

OBX|37|NM|73773-4^Number of infants in this delivery born alive^LN||2|||||F

OBX|38|CWE|73814-6^Obstetric procedures performed^LN||240278000^External cephalic version^SCT|||||F

OBX|39|CWE|73820-3^Successful external cephalic version^LN||N^No^HL70532|||||F

OBX|40|NM|69043-8^Other pregnancy outcomes^LN||1|||||F

OBX|41|CWE|73765-0^Planned to deliver at home^LN||N^No^HL70136|||||F

OBX|42|NM|68493-6^Prenatal visits for this pregnancy^LN||8|||||F

OBX|43|XCN|87286-1^Birth attendant details^LN||112247003^Jones^Avery^Dr^DO^&2.16.840.1.113883.3.2030.9006.1&ISO^L^NP|||||F

OBX|44|NM|57722-1^Plurality^LN||2||||F
OBX|45|CWE|73775-9^RiskFactor^LN||63487001^RepTech^SCT~~~~~|||||F
OBX|46|CWE|73775-9^RiskFactor^LN||445151000124101^Fertility enhancing drug^SCT~~~~~|||||F
OBX|47|NM|68497-7^Previous cesarean deliveries^LN||0||||F

4.2 Mother Supplied Live Birth Information

MSH|^~\&|2.16.840.1.114222.4.3.2.2.1.4|NCHS|2.16.840.1.114222.4.3.2.2.3600.7|CDPH|2019010918235-0600||ADT^A04^ADT_A01|12233355619|P|2.6|||AL|AL|US|||PSMLBIA04_V1.0
EVN||20190109180235-0600||LB
PID|1||0000111^^CDPH^FDR~2019000111^^CDPH^FDRFN||~~~~~U|Santos|201901091823|F|||1400
South Street^^Ann Arbor^MI^48109^US^BDL
NK1|1|Lee^Carmen^Teresa|MTH^Mother^HL70063|3670 Miller Road^^Ann
Arbor^MI^48103^US^L|||||||F|19860215|||||||Santos^Carmen^Theresa||2135-2^Hispanic or
Latino^CDCREC|||||2054-5^Black or African American^CDCREC~2028-9^Asian^CDCREC|||PR
NK1|2|Lee^Tom^Yan|FTH^Father^HL70063|||||||M|19840227|||||||||||||||NY
PV1||N|
OBX|1|NM|83846-6^MothersHeight^LN||65|in^Inches^UCUM||||F
OBX|2|NM|56077-1^MothersPrePregnancyWeight^LN||180|lb^Pounds^UCUM||||F
OBX|3|CWE|57712-2^MothersEducation^LN||PHC1450^High School Graduate or GED
Completed^CDCPHINVS||||F
OBX|4|CWE|87303-4^MotherGetWICfood^LN||N^No^HL70136||||F
OBX|5|NM|64794-1^CigsSmokedPriorToPreg^LN||00{pack}^^UCUM||||F
OBX|6|NM|87298-6^CigsSmokedDuringFirstTrimester^LN||00{pack}^^UCUM||||F
OBX|7|NM|87299-4^CigsSmokedDuringSecondTrimester^LN||00{pack}^^UCUM||||F
OBX|8|NM|64795-8^CigsSmokedDuringLastTrimester^LN||00{pack}^^UCUM||||F
OBX|9|CWE|87301-8^MotherMarriedDuringPreg^LN||Y^Yes^HL70532||||F

4.3 Provider Supplied Live Birth Information

MSH|^~\&|2.16.840.1.114222.4.3.2.2.1.4|NCHS|2.16.840.1.114222.4.3.2.2.3600.7|CDPH|20190109182301-0600||ADT^A04^ADT_A01|12233355619|P|2.6|||AL|AL|US|||PSLBIA04_V1.0
EVN||20190109181149-0600||LB
PID|1||0000011^^CDPH^BR~2019000011^^CDPH^BR||Quinn^BabyG~~~~U|King|201902121300|F|||1
875 West Morton Avenue^^Salt Lake City^UT^84116^US^BDL|||||||||N
NK1|1|Quinn^Jada^Ann|MTH^Mother^HL70063|1848 South 1300 East^^Salt Lake
City^UT^84401^US^L|||||||19850115|||||||King^Jada^Ann||2186-5^Non-Hispanic^CDCREC|||||2106-
3^White^CDCREC~1002-5^American Indian or Alaska Native^CDCREC||132225986|UT

NK1|2|Quinn^James^Brandon|FTH^Father^HL70063|||||||19830927|||||||2186-5^Non-Hispanic^CDCREC|||||2106-3^White^CDCREC

PV1|N||||20190105|||||||5^Private Insurance^CDCPHINVS^2.16.840.1.114222.4.11.7163|

OBX|1|CWE|73766-8^OccurrencePlace^LN||22232009^Hospital^SCT|||||F

OBX|2|CX|62329-8^FacilityIDStateAssigned^LN||0290^^^CADOH^FI|||||F

OBX|3|CWE|87301-8^MotherMarriedDuringPreg^LN||Y^Yes^HL70532|||||F

OBX|4|CWE|57712-2^MothersEducation^LN||PHC1455^Doctorate Degree or Professional Degree^CDCPHINVS|||||F

OBX|5|CWE|73764-3^AttendantAtBirth^LN||112247003^MD^SCT|||||F

OBX|6|DTM|69044-6^FirstPrenatalCareDate^LN||20180720|||||F

OBX|7|NM|83846-6^MothersHeight^LN||66|in^Inches^UCUM|||||F

OBX|8|NM|56077-1^MothersPrePregnancyWeight^LN||145|lb^Pounds^UCUM|||||F

OBX|9|CWE|87303-4^MotherGetWICfood^LN||N^No^HL70136|||||F

OBX|10|NM|11638-4^PreviousLivebirthsNowLiving^LN||1|||||F

OBX|11|NM|68496-9^PreviousLivebirthsNowDead^LN||0|||||F

OBX|12|DTM|68499-3^LastLiveBirthDate^LN||201411|||||F

OBX|13|CWE|87302-6^Acknowledgement of paternity signed^LN||NA^Not Applicable^HL70136|||||F

OBX|14|NM|64794-1^CigsSmokedPriorToPreg^LN||01|{pack}^^UCUM|||||F

OBX|15|NM|87298-6^CigsSmokedDuringFirstTrimester^LN||03|{pack}^^UCUM|||||F

OBX|16|NM|87299-4^CigsSmokedDuringSecondTrimester^LN||01|{pack}^^UCUM|||||F

OBX|17|NM|64795-8^CigsSmokedDuringLastTrimester^LN||00|{pack}^^UCUM|||||F

OBX|18|DTM|8665-2^DateLastMensesYear^LN||20180605|||||F

OBX|19|CWE|73775-9^RiskFactor^LN||48194001^Gestational hypertension^SCT~~~~~|||||F

OBX|20|NM|68497-7^RiskFactorNumberPreviousCesarean^LN||0|||||F

OBX|21|CWE|73761-9^DeliveryMethodFetalPresentation^LN||6096002^Breech^SCT|||||F

OBX|22|CWE|73762-7^DeliveryMethodRoute^LN||11466000^Cesarean^SCT|||||F

OBX|23|CWE|73760-1^DeliveryMethodAttemptedLabor^LN||Y^Yes^HL70532|||||F

OBX|24|NM|8339-4^BirthWeightGrams^LN||2500|g^Grams^UCUM|||||F

OBX|25|NM|11884-4^ObstetricGestationEstimate^LN||36|wk^Weeks^UCUM|||||F

OBX|26|CWE|87300-0^Father's education^LN||PHC1455^Doctorate Degree or Professional Degree^CDCPHINVS|||||F

OBX|27|CWE|87293-7^Relationship of person providing information for mothers worksheet^LN||PHC1496^Father of baby^CDCPHINVS|||||F

OBX|28|CWE|73781-7^Maternal morbidity^LN||260413007^None^SCT|||||F

OBX|29|NM|73773-4^Number of infants in this delivery born alive^LN||2|||||F

OBX|30|CWE|73814-6^Obstetric procedures performed^LN||240278000^External cephalic version^SCT||||F

OBX|31|CWE|73820-3^Successful external cephalic version^LN||N^No^HL70532||||F

OBX|32|NM|69043-8^Other pregnancy outcomes^LN||1||||F

OBX|33|CWE|73765-0^Planned to deliver at home^LN||N^No^HL70136||||F

OBX|34|NM|68493-6^Prenatal visits for this pregnancy^LN||8||||F

OBX|35|CWE|87292-9^Baby name not yet chosen^LN||Y^Yes^HL70136||||F

OBX|36|XCN|87286-1^Birth attendant details^LN||112247003^Jones^Avery^Dr^DO^&2.16.840.1.113883.3.2030.9006.1&ISO^L^NPI||||F

OBX|37|XPN|87291-1^Mothers Source of Information^LN||Quinn^James^Brandon||||F

OBX|38|NM|87296-0^Fathers reported age in years^LN||31|a^Years^UCUM||||F

OBX|39|CWE|87295-2^Request Social Security Number for Newborn^LN||Y^Yes^HL70136||||F

OBX|40|DTM|87290-3^SSN request date^LN||20190211||||F

OBX|41|ST|87294-5^SSN request signature^LN||James Quinn||||F

OBX|42|XON|62330-6^Birth Hospital Facility Name^LN||South Hospital^~^~^~^~^~^20||||F

OBX|43|CX|62329-8^Birth Hospital Facility Id^LN||5555512^~^1^~^100^~^20||||F

OBX|44|NM|9274-2^5 minute Apgar Score^LN||5||||F

OBX|45|NM|9271-8^10 minute Apgar Score^LN||7||||F

OBX|46|CWE|73812-0^Abnormal conditions of the newborn^LN||434621000124103^Antibiotics given for suspected neonatal sepsis^SCT||||F

OBX|47|CWE|73812-0^Abnormal conditions of the newborn^LN||405269005^Neonatal intensive care unit^SCT||||F

OBX|48|NM|69461-2^Body weight at delivery^LN||175|lb^Pounds^UCUM||||F

OBX|49|CWE|73813-8^Characteristics of labor and delivery^LN||236958009^Induction of labor^SCT||||F

OBX|50|CWE|73813-8^Characteristics of labor and delivery^LN||434691000124101^Antibiotics received during labor^SCT||||F

OBX|51|CWE|73813-8^Characteristics of labor and delivery^LN||11612004^Chorioamnionitis^SCT||||F

OBX|52|CWE|73813-8^Characteristics of labor and delivery^LN||249135009^Meconium stained liquor^SCT||||F

OBX|53|CWE|73813-8^Characteristics of labor and delivery^LN||130955003^Fetal intolerance^SCT||||F

OBX|54|CWE|73813-8^Characteristics of labor and delivery^LN||231064003^Epidural or spinal anesthesia^SCT||||F

OBX|55|CWE|73780-9^Congenital anomalies of the newborn^LN||260413007^None^SCT||||F

OBX|56|DTM|68500-8^Date last other pregnancy outcome^LN||0000||||F

OBX|57|CWE|73756-9^Infant is being breastfed at discharge^LN||Y^Yes^HL70532||||F

OBX|58|CWE|73757-7^Infant living at time of report^LN||Y^Yes^HL70532||||F

OBX|59|CWE|73758-5^Infant was transferred within 24 hours of delivery^LN||N^No^HL70532|||||F

OBX|60|CWE|72519-2^Infections present and treated during this pregnancy for live birth^LN||260413007^None^SCT|||||F

OBX|61|CWE|73763-5^Mother was transferred for maternal medical or fetal indications for delivery^LN||N^No^HL70532|||||F

OBX|62|NM|85724-3^Age of Mother - at delivery^LN||33|a^Years^UCUM|||||F

OBX|63|CWE|73776-7^No prenatal care^LN||N^No^HL70532|||||F

OBX|64|NM|68497-7^Previous cesarean deliveries^LN||0|||||F

OBX|65|NM|57722-1^Plurality^LN||2|||||F

OBX|66|CWE|73775-9^RiskFactor^LN||63487001^RepTech^SCT~~~~~|||||F

OBX|67|CWE|73775-9^RiskFactor^LN||445151000124101^Fertility enhancing drug^SCT~~~~~|||||F

4.4 Provider Supplied Facility Fetal Death Information

MSH|^~\&|2.16.840.1.114222.4.3.2.2.1.4|NCHS|2.16.840.1.114222.4.3.2.2.3600.7|CDPH|20190109182302-0600||ADT^A04^ADT_A01|12233355619|P|2.6||AL|AL|US|||PSFFDIA04_V1.0

EVN||20190109180302-0600||FD

PID|1||000111^^CDPH^FDR~2019000111^^CDPH^FDRFN||~~~~~U||201901091823|F||1400 South Street^^Ann Arbor^MI^48109^US^BDL|

NK1|1|Lee^Carmen^Teresa|MTH^Mother^HL70063|||||||19860215|||||||2135-2^Hispanic or Latino^CDCREC|||||2054-5^Black or African American^CDCREC~2028-9^Asian^CDCREC|

PV1||N|

OBX|1|CWE|73766-8^OccurrencePlace^LN||22232009^Hospital^SCT|||||F

OBX|2|CX|62329-8^Birth Hospital Facility Id^LN||0290^^CADOH^FI|||||F

OBX|3|CWE|73764-3^AttendantAtBirth^LN||112247003^MD^SCT|||||F

OBX|4|DTM|69044-6^FirstPrenatalCareDate^LN||20180518|||||F

OBX|5|NM|11638-4^PreviousLivebirthsNowLiving^LN||1|||||F

OBX|6|NM|68496-9^PreviousLivebirthsNowDead^LN||0|||||F

OBX|7|DTM|68499-3^LastLiveBirthDate^LN||20160128|||||F

OBX|8|DTM|8665-2^DateLastMensesYear^LN||20180418|||||F

OBX|9|CWE|73775-9^RiskFactor^LN||38341003^Hypertensive disorder, systemic arterial^SCT~~~~~|||||F

OBX|10|CWE|73775-9^RiskFactor^LN||11687002^Gestational diabetes mellitus^SCT~~~~~|||||F

OBX|11|NM|68497-7^RiskFactorNumberPreviousCesarean^LN||1|||||F

OBX|12|CWE|73761-9^DeliveryMethodFetalPresentation^LN||6096002^Breech^SCT|||||F

OBX|13|CWE|73762-7^DeliveryMethodRoute^LN||48782003^Spontaneous^SCT|||||F

OBX|14|CWE|73760-1^DeliveryMethodAttemptedLabor^LN||N^No^PHVS_YesNoUnknown_CDC|||||F

OBX|15|NM|8339-4^BirthWeightGrams^LN||1530|g^Grams^UCUM||||F
OBX|16|NM|11884-4^ObstetricGestationEstimate^LN||20|wk^Weeks^UCUM||||F
OBX|17|CWE|73811-2^EstimatedTimeFetalDeath^LN||434631000124100^Died during Labor After First Assessment^SCT||||F
OBX|18|CWE|73768-4^AutopsyPerformed^LN||719828003^No^SCT||||F
OBX|19|CWE|73767-6^PlacentalExamPerformed^LN||262008008^Not preformed^SCT||||F
OBX|20|CWE|74498-7^ExamUsed^LN||NA^Not applicable^NULLFLAVOR||||F
OBX|21|NM|57722-1^Plurality^LN||1||||F
OBX|22|CWE|76060-3^InitCause^LN||PHC1299^OtherObstetricalLit^CDCPHINVS~~~~~SPONTANEOUS ABORTION||||F
OBX|23|CWE|76061-1^Death cause other significant conditions^LN||237292005^Placental insufficiency^SCT~~~~~||||F
OBX|24|NM|69461-2^Body weight at delivery^LN||210|lb^Pounds^UCUM||||F
OBX|25|CWE|73780-9^ Congenital anomalies of the newborn^LN||89369001^Anencephalus^SCT||||F
OBX|26|DTM|68500-8^Date last other pregnancy outcome^LN||201402||||F
OBX|27|CWE|73769-2^Infections present and or treated during this pregnancy for fetal death^LN||105629000^Chlamydial infection^SCT||||F
OBX|28|CWE|73781-7^Maternal morbidity^LN||116859006^Transfusion of blood product^SCT||||F
OBX|29|NM|73772-6^Number of fetal deaths delivered^LN||1||||F
OBX|30|NM|73773-4^Number of infants in this delivery born alive^LN||0||||F
OBX|31|NM|69043-8^Other pregnancy outcomes^LN||1||||F
OBX|32|CWE|73765-0^Planned to deliver at home^LN||N^No^HL70136||||F
OBX|33|NM|68493-6^Prenatal visits for this pregnancy^LN||8||||F
OBX|34|NM|68497-7^Previous cesarean deliveries^LN||1||||F
OBX|35|XCN|87286-1^Birth attendant details^LN||522^Seito^Janet~~~Dr^MD^&2.16.840.1.113883.3.2030.9006.1&ISO^L~~~NPI||||F
OBX|36|CWE|88241-5^Fetal remains disposition method^LN||449971000124106^Burial^SCT||||F
OBX|37|ST|88081-5^Person completing form title^LN||Birth Clerk||||F
OBX|38|DTM|30947-6^Date form completed^LN||20190213||||F
OBX|39|XON|73777-5^Name of facility mother transferred from^LN||Main Hospital~~~~100~~~10||||F
OBX|40|XON|62330-6^Birth Hospital Facility Name^LN||South Hospital~~~~100~~~20||||F

4.5 Mother Supplied Fetal Death Information

MSH|^~\&|2.16.840.1.114222.4.3.2.2.1.4|NCHS|2.16.840.1.114222.4.3.2.2.3600.7|CDPH|2019010918
2355-0600||ADT^A04^ADT_A01|12233355619|P|2.6||AL|AL|US|||PSMFDIA04_V1.0
EVN||20190109180235-0600||FD

PID|1||000111^^CDPH^FDR~2019000111^^CDPH^FDRFN||~~~~~U|Santos|201901091823|F|||1400
South Street^^Ann Arbor^MI^48109^US^BDL

NK1|1|Lee^Carmen^Teresa|MTH^Mother^HL70063|3670 Miller Road^^Ann
Arbor^MI^48103^USA^L|||||||F|19860215|||||||Santos^Carmen^Theresa||2135-2^Hispanic or
Latino^CDCREC|||||2054-5^Black or African American^CDCREC~2028-9^Asian^CDCREC|||PR

NK1|2|Lee^Tom^Yan|FTH^Father^HL70063|||||||M|19840227|||||||NY

PV1||N|

OBX|1|NM|83846-6^MothersHeight^LN||65|in^Inches^UCUM||||F

OBX|2|NM|56077-1^MothersPrePregnancyWeight^LN||180|lb^Pounds^UCUM||||F

OBX|3|CWE|57712-2^MothersEducation^LN||PHC1450^High School Graduate or GED
Completed^CDCPHINVS||||F

OBX|4|CWE|87303-4^MotherGetWICfood^LN||N^No^HL70136||||F

OBX|5|NM|64794-1^CigsSmokedPriorToPreg^LN||00{pack}^^UCUM||||F

OBX|6|NM|87298-6^CigsSmokedDuringFirstTrimester^LN||00{pack}^^UCUM||||F

OBX|7|NM|87299-4^CigsSmokedDuringSecondTrimester^LN||00{pack}^^UCUM||||F

OBX|8|NM|64795-8^CigsSmokedDuringLastTrimester^LN||00{pack}^^UCUM||||F

OBX|9|CWE|87301-8^MotherMarriedDuringPreg^LN||Y^Yes^HL70532||||F

4.6 Provider Supplied Fetal Death Information

MSH|^~\&|2.16.840.1.114222.4.3.2.2.1.4|NCHS|2.16.840.1.114222.4.3.2.2.3600.7|CDPH|2019010918
2311-0600||ADT^A04^ADT_A01|12233355619|P|2.6||AL|AL|US|||PSFDIA04_V1.0

EVN||20190109161311-0600||FD

PID|1||000111^^CDPH^FDR~2019000111^^CDPH^FDRFN||~~~~~U|Santos|201901091823|F|||1400
South Street^^Ann Arbor^MI^48109^US^BDL

NK1|1|Lee^Carmen^Teresa|MTH^Mother^HL70063|3670 Miller Road^^Ann
Arbor^MI^48103^USA^L|||||||F|19860215|||||||Santos^Carmen^Theresa||2135-2^Hispanic or
Latino^CDCREC|||||2054-5^Black or African American^CDCREC~2028-9^Asian^CDCREC|||PR

NK1|2|Lee^Tom^Yan|FTH^Father^HL70063|||||||M|19840227|||||||NY

PV1||N|

OBX|1|CWE|73766-8^OccurrencePlace^LN||22232009^Hospital^SCT||||F

OBX|2|CX|62329-8^Birth Hospital Facility Id^LN||0290^^CADOH^F||||F

OBX|3|CWE|87301-8^MotherMarriedDuringPreg^LN||Y^Yes^HL70532||||F

OBX|4|CWE|57712-2^MothersEducation^LN||PHC1449^9th through 12th grade; no
diploma^CDCPHINVS||||F

OBX|5|CWE|73764-3^AttendantAtBirth^LN||112247003^MD^SCT||||F

OBX|6|DTM|69044-6^FirstPrenatalCareDate^LN||20180518||||F

OBX|7|NM|83846-6^MothersHeight^LN||65|in^Inches^UCUM||||F

OBX|8|NM|56077-1^MothersPrePregnancyWeight^LN||180|lb^Pounds^UCUM||||F

OBX|9|CWE|87303-4^MotherGetWICfood^LN||N^No^HL70136||||F

OBX|10|NM|11638-4^PreviousLivebirthsNowLiving^LN||1||||F

OBX|11|NM|68496-9^PreviousLivebirthsNowDead^LN||0||||F

OBX|12|DTM|68499-3^LastLiveBirthDate^LN||20160128||||F

OBX|13|NM|64794-1^CigsSmokedPriorToPreg^LN||00{pack}^^UCUM||||F

OBX|14|NM|87298-6^CigsSmokedDuringFirstTrimester^LN||00{pack}^^UCUM||||F

OBX|15|NM|87299-4^CigsSmokedDuringSecondTrimester^LN||00{pack}^^UCUM||||F

OBX|16|NM|64795-8^CigsSmokedDuringLastTrimester^LN||00{pack}^^UCUM||||F

OBX|17|DTM|8665-2^DateLastMensesYear^LN||20180418||||F

OBX|18|CWE|73775-9^RiskFactor^LN||38341003^Hypertensive disorder, systemic arterial^SCT~~~~~||||F

OBX|19|CWE|73775-9^RiskFactor^LN||11687002^Gestational diabetes mellitus^SCT~~~~~||||F

OBX|20|NM|68497-7^RiskFactorNumberPreviousCesarean^LN||1||||F

OBX|21|CWE|73761-9^DeliveryMethodFetalPresentation^LN||6096002^Breech^SCT||||F

OBX|22|CWE|73762-7^DeliveryMethodRoute^LN||48782003^Spontaneous^SCT||||F

OBX|23|CWE|73760-1^DeliveryMethodAttemptedLabor^LN||N^No^PHVS_YesNoUnknown_CDC||||F

OBX|24|NM|8339-4^BirthWeightGrams^LN||1530|g^Grams^UCUM||||F

OBX|25|NM|11884-4^ObstetricGestationEstimate^LN||20|wk^Weeks^UCUM||||F

OBX|26|CWE|73811-2^EstimatedTimeFetalDeath^LN||434631000124100^Fetal intrapartum death after first assessment^SCT||||F

OBX|27|CWE|73768-4^AutopsyPerformed^LN||719828003^No^SCT||||F

OBX|28|CWE|73767-6^PlacentalExamPerformed^LN||262008008^Not preformed^SCT||||F

OBX|29|CWE|74498-7^ExamUsed^LN||NA^Not applicable^NULLFLAVOR||||F

OBX|30|CWE|88241-5^Fetal remains disposition method^LN||449971000124106^Burial^SCT||||F

OBX|31|ST|88081-5^Person completing form title^LN||Birth Clerk||||F

OBX|32|DTM|30947-6^Date form completed^LN||201902130229||||F

OBX|33|XON|73777-5^Name of facility mother transferred from^LN||Main Hospital~~~~100~~~10||||F

OBX|34|XON|62330-6^Birth Hospital Facility Name^LN||South Hospital~~~~100~~~20||||F

OBX|35|NM|69461-2^Body weight at delivery^LN||210|lb^Pounds^UCUM||||F

OBX|36|CWE|73780-9^Abnormal conditions of the newborn^LN||89369001^Anencephalus^SCT||||F

OBX|37|DTM|68500-8^Date last other pregnancy outcome^LN||201402||||F

OBX|38|CWE|73769-2^Infections present and or treated during this pregnancy for fetal death^LN||105629000^Chlamydial infection^SCT||||F

OBX|39|CWE|73781-7^Maternal morbidity^LN||116859006^Transfusion of blood product^SCT||||F

OBX|40|CWE|73763-5^Mother was transferred for maternal medical or fetal indications for delivery^LN||Y^Yes^HL70532|||||F

OBX|41|NM|73772-6^Number of fetal deaths delivered^LN||1|||||F

OBX|42|NM|73773-4^Number of infants in this delivery born alive^LN||0|||||F

OBX|43|NM|69043-8^Other pregnancy outcomes^LN||0|||||F

OBX|44|CWE|73765-0^Planned to deliver at home^LN||N^No^HL70136|||||F

OBX|45|NM|68493-6^Prenatal visits for this pregnancy^LN||8|||||F

OBX|46|NM|68497-7^Previous cesarean deliveries^LN||1|||||F

OBX|47|XCN|87286-1^Birth attendant details^LN||522^Seito^Janet^Dr^MD^&2.16.840.1.113883.3.2030.9006.1&ISO^L^NPI|||||F

OBX|48|CWE|76060-3^InitCause^LN||PHC1299^OtherObstetricalLit^CDCPHINVS^SPONTANEOUS ABORTION|||||F

OBX|49|CWE|76061-1^Death cause other significant conditions^LN||237292005^Placental insufficiency^SCT|||||F

OBX|50|NM|57722-1^Plurality^LN||1|||||F

OBX|51|NM|83846-6^MothersHeight^LN||65|in^Inches^UCUM|||||F

OBX|52|NM|56077-1^MothersPrePregnancyWeight^LN||180|lb^Pounds^UCUM|||||F

4.7 Jurisdiction Live Birth Information

MSH|^~\&|2.16.840.1.114222.4.3.2.2.1.4|NCHS|2.16.840.1.114222.4.3.2.2.3600.7|CDPH|20190109182303-0600||ADT^A04^ADT_A01|12233355619|P|2.6||AL|AL|US|||JLBIA04_V1.0

EVN||20190109180303-0600||LB

PID|1|000011^CDPH^BR~201900011^CDPH^BR||Quinn^BabyG^U|King|201902121300|F||1875 West Morton Avenue^Salt Lake City^UT^84116^US^BDL|||||||||N

NK1|1|Quinn^Jada^Ann|MTH^Mother^HL70063|1848 South 1300 East^Salt Lake City^UT^84401^US^L||||||19850115||||||King^Jada^Ann||2186-5^Non-Hispanic^CDCREC||||||2106-3^White^CDCREC~1002-5^American Indian or Alaska Native^CDCREC||132225986|UT

NK1|2|Quinn^James^Brandon|FTH^Father^HL70063||||||19830927||||||2186-5^Non-Hispanic^CDCREC||||||2106-3^White^CDCREC

PV1||N||||20190105||||||5^Private Insurance^CDCPHINVS^2.16.840.1.114222.4.11.7163|

OBX|1|CWE|73766-8^OccurrencePlace^LN||22232009^Hospital^SCT|||||F

OBX|2|CX|62329-8^FacilityIDStateAssigned^LN||0290^CADOH^FI|||||F

OBX|3|CWE|PHC1482^MothersBirthEdit^CDCPHINVS||PHC1362^Passed Edit^CDCPHINVS|||||F

OBX|4|CWE|PHC1479^FathersBirthEdit^CDCPHINVS||PHC1362^Passed Edit^CDCPHINVS|||||F

OBX|5|CWE|87301-8^MotherMarriedDuringPreg^LN||Y^Yes^HL70532|||||F

OBX|6|CWE|57712-2^MothersEducation^LN||PHC1455^Doctorate Degree or Professional Degree^CDCPHINVS|||||F

OBX|7|CWE|PHC1484^MothersEducationEdit^CDCPHINVS||PHC1362^Passed Edit^CDCPHINVS|||||F

OBX|8|CWE|73764-3^AttendantAtBirth^LN||112247003^MD^SCT|||||F

OBX|9|DTM|69044-6^FirstPrenatalCareDate^LN||20180720|||||F

OBX|10|NM|83846-6^MothersHeight^LN||66|in^Inches^UCUM|||||F

OBX|11|CWE|PHC1485^MothersHeightEdit^CDCPHINVS||PHC1362^Passed Edit^CDCPHINVS|||||F

OBX|12|NM|56077-1^MothersPrePregnancyWeight^LN||145|lb^Pounds^UCUM|||||F

OBX|13|CWE|PHC1486^MothersPrePregnancyWeightEdit^CDCPHINVS||PHC1362^Passed Edit^CDCPHINVS|||||F

OBX|14|CWE|87303-4^MotherGetWICfood^LN||N^No^HL70136|||||F

OBX|15|NM|11638-4^PreviousLivebirthsNowLiving^LN||1|||||F

OBX|16|NM|68496-9^PreviousLivebirthsNowDead^LN||0|||||F

OBX|17|DTM|68499-3^LastLiveBirthDate^LN||201411|||||F

OBX|18|NM|64794-1^CigsSmokedPriorToPreg^LN||01|{pack}^UCUM|||||F

OBX|19|NM|87298-6^CigsSmokedDuringFirstTrimester^LN||03|{pack}^UCUM|||||F

OBX|20|NM|87299-4^CigsSmokedDuringSecondTrimester^LN||01|{pack}^UCUM|||||F

OBX|21|NM|64795-8^CigsSmokedDuringLastTrimester^LN||00|{pack}^UCUM|||||F

OBX|22|DTM|8665-2^DateLastMensesYear^LN||20180605|||||F

OBX|23|CWE|73775-9^RiskFactor^LN||63487001^RepTech^SCT~~~~~|||||F

OBX|24|CWE|73775-9^RiskFactor^LN||445151000124101^Fertility enhancing drug^SCT~~~~~|||||F

OBX|25|NM|68497-7^Previous cesarean deliveries #^LN||0|||||F

OBX|26|CWE|PHC1488^RiskFactorNumberPreviousCesareanEdit^CDCPHINVS||PHC1362^Passed Edit^SCT~~~~~|||||F

OBX|27|CWE|73761-9^DeliveryMethodFetalPresentation^LN||6096002^Breech^SCT|||||F

OBX|28|CWE|73762-7^DeliveryMethodRoute^LN||11466000^Cesarean^SCT|||||F

OBX|29|CWE|73760-1^DeliveryMethodAttemptedLabor^LN||Y^Yes^HL70532|||||F

OBX|30|NM|8339-4^BirthWeightGrams^LN||2500|g^Grams^UCUM|||||F

OBX|31|CWE|PHC1478^BirthWeightEdit^CDCPHINVS||PHC1380^Off^SCT|||||F

OBX|32|NM|11884-4^ObstetricGestationEstimate^LN||36|wk^Weeks^UCUM|||||F

OBX|33|CWE|PHC1481^ObstetricGestationEstimateEdit^CDCPHINVS||PHC1380^Off^CDCPHINVS|||||F

OBX|34|CWE|73812-0^Abnormal conditions of the newborn^LN||434621000124103^Antibiotics given for suspected neonatal sepsis^SCT|||||F

OBX|35|CWE|73812-0^Abnormal conditions of the newborn^LN||405269005^Neonatal intensive care unit^SCT|||||F

OBX|36|CWE|87302-6^Acknowledgement of paternity signed^LN||NA^Not Applicable^HL70136|||||F

OBX|37|CWE|73813-8^Characteristics of labor and delivery^LN||236958009^Induction of labor^SCT||||F

OBX|38|CWE|73813-8^Characteristics of labor and delivery^LN||434691000124101^Antibiotics received during labor^SCT||||F

OBX|39|CWE|73813-8^Characteristics of labor and delivery^LN||11612004^Chorioamnionitis^SCT||||F

OBX|40|CWE|73813-8^Characteristics of labor and delivery^LN||249135009^Meconium stained liquor^SCT||||F

OBX|41|CWE|73813-8^Characteristics of labor and delivery^LN||130955003^Fetal intolerance^SCT||||F

OBX|42|CWE|73813-8^Characteristics of labor and delivery^LN||231064003^Epidural or spinal anesthesia^SCT||||F

OBX|43|CWE|73780-9^Congenital anomalies of the newborn^LN||260413007^None^SCT||||F

OBX|44|DTM|87297-8^Date of birth registration^LN||20190211||||F

OBX|45|CWE|87300-0^Father's education^LN||PHC1455^Doctorate Degree or Professional Degree^CDCPHINVS||||F

OBX|46|CWE|PHC1480^FathersEducationEdit^CDCPHINVS||PHC1362^Passed Edit^CDCPHINVS||||F

OBX|47|NM|87296-0^Fathers reported age in years^LN||31|a^Years^UCUM||||F

OBX|48|CWE|73756-9^Infant is being breastfed at discharge^LN||Y^Yes^HL70532||||F

OBX|49|CWE|73757-7^Infant living at time of report^LN||Y^Yes^HL70532||||F

OBX|50|CWE|73758-5^Infant was transferred within 24 hours of delivery^LN||N^No^HL70532||||F

OBX|51|CWE|72519-2^Infections present and treated during this pregnancy for live birth^LN||260413007^None^SCT||||F

OBX|52|CWE|73763-5^Mother was transferred for maternal medical or fetal indications for delivery^LN||N^No^HL70532||||F

OBX|53|NM|69461-2^Body weight at delivery^LN||175|lb^Pounds^UCUM||||F

OBX|54|CWE|PHC1483^Mothers at delivery weight edit flag^CDCPHINVS||PHC1362^Passed Edit^CDCPHINVS||||F

OBX|55|NM|85724-3^Age of Mother - at delivery^LN||33|a^Years^UCUM||||F

OBX|56|NM|73773-4^Number of infants in this delivery born alive^LN||2||||F

OBX|57|CWE|PHC1487^Number of prenatal care visits edit flag^CDCPHINVS||PHC1362^Passed Edit^SCT~~~~~||||F

OBX|58|NM|69043-8^Other pregnancy outcomes^LN||1||||F

OBX|59|CWE|73765-0^Planned to deliver at home^LN||N^No^HL70136||||F

OBX|60|NM|68493-6^Prenatal visits for this pregnancy^LN||8||||F

OBX|61|NM|68497-7^Previous cesarean deliveries^LN||0||||F

OBX|62|XCN|87286-1^Birth attendant details^LN||112247003^Jones^Avery~~~Dr^MD^&2.16.840.1.113883.3.2030.9006.1&ISO^L~~~NPI||||F

OBX|63|XCN|87287-9^Birth certifier details^LN||112247003^Jones^Avery~~~Dr^MD^&2.16.840.1.113883.3.2030.9006.1&ISO^L~~~NPI||||F

OBX|64|DTM|87288-7^Date birth certified^LN||20190212|||||F
OBX|65|NM|57722-1^Plurality^LN||2|||||F
OBX|66|CWE|PHC1489^PluralityEdit^CDCPHINVS||PHC1494^Queried and Correct^CDCPHINVS|||||F
OBX|67|CWE|73775-9^RiskFactor^LN||48194001^Gestational hypertension^SCT~~~~~|||||F
OBX|68|DTM|68500-8^Date last other pregnancy outcome^LN||0000|||||F
OBX|69|NM|9274-2^5 minute Apgar Score^LN||5|||||F
OBX|70|NM|9271-8^10 minute Apgar Score^LN||7|||||F
OBX|71|CWE|73781-7^Maternal morbidity^LN||260413007^None^SCT|||||F

4.8 Jurisdiction Fetal Death Information

MSH|^~\&|2.16.840.1.114222.4.3.2.2.1.4|NCHS|2.16.840.1.114222.4.3.2.2.3600.7|CDPH|20190109182343-0600||ADT^A04^ADT_A01|12233355619|P|2.6|||AL|AL|US|||JFDIA04_V1.0

EVN||20190109182313-0600||FD

PID|1||000111^^CDPH^FDR~2019000111^^CDPH^FDRFN||~~~~~U|Santos|201901091823|F|||1400 South Street^^Ann Arbor^MI^48109^US^BDL

NK1|1|Lee^Carmen^Teresa|MTH^Mother^HL70063|3670 Miller Road^^Ann Arbor^MI^48103^US^L|||||||F|19860215|||||||Santos^Carmen^Theresa||2135-2^Hispanic or Latino^CDCREC|||||2054-5^Black or African American^CDCREC~2028-9^Asian^CDCREC|||PR

NK1|2|Lee^Tom^Yan|FTH^Father^HL70063|||||||M|19840227|||||||||||||||NY

PV1||N|

OBX|1|CWE|73766-8^OccurrencePlace^LN||22232009^Hospital^SCT|||||F

OBX|2|CWE|73765-0^Planned to deliver at home^LN||N^No^HL70136|||||F

OBX|3|CX|62329-8^FacilityIDStateAssigned^LN||0290^^CADOH^FI|||||F

OBX|4|XCN|87286-1^Birth attendant details^LN||522^Seito^Janet~~~Dr^MD^&|2.16.840.1.113883.3.2030.9006.1&ISO^L~~~NPI|||||F

OBX|5|CWE|PHC1482^MothersBirthEdit^CDCPHINVS||PHC1362^Passed Edit^CDCPHINVS|||||F

OBX|6|CWE|87301-8^MotherMarriedDuringPreg^LN||Y^Yes^HL70532|||||F

OBX|7|CWE|57712-2^MothersEducation^LN||PHC1449^9th through 12th grade; no diploma^CDCPHINVS|||||F

OBX|8|CWE|PHC1484^MothersEducationEdit^CDCPHINVS||PHC1362^Passed Edit^CDCPHINVS|||||F

OBX|9|CWE|73764-3^Birth Attendant Title^LN||112247003^MD^SCT|||||F

OBX|10|DTM|69044-6^FirstPrenatalCareDate^LN||20180518|||||F

OBX|11|NM|83846-6^MothersHeight^LN||65|in^Inches^UCUM|||||F

OBX|12|CWE|PHC1485^MothersHeightEdit^CDCPHINVS||PHC1362^Passed Edit^CDCPHINVS|||||F

OBX|13|NM|56077-1^MothersPrePregnancyWeight^LN||180|lb^Pounds^UCUM|||||F

OBX|14|CWE|PHC1486^MothersPrePregnancyWeightEdit^CDCPHINVS||PHC1362^Passed
Edit^CDCPHINVS||||F

OBX|15|CWE|87303-4^MotherGetWICfood^LN||N^No^HL70136||||F

OBX|16|NM|69461-2^Body weight at delivery^LN||210|lb^Pounds^UCUM||||F

OBX|17|CWE|PHC1483^Mothers at delivery weight edit flag^CDCPHINVS||PHC1362^Passed
Edit^CDCPHINVS||||F

OBX|18|NM|85724-3^Age of Mother - at delivery^LN||34|a^Years^UCUM||||F

OBX|19|NM|11638-4^PreviousLivebirthsNowLiving^LN||1||||F

OBX|20|NM|68496-9^PreviousLivebirthsNowDead^LN||0||||F

OBX|21|DTM|68499-3^LastLiveBirthDate^LN||20160128||||F

OBX|22|DTM|68500-8^Date last other pregnancy outcome^LN||201402||||F

OBX|23|NM|69043-8^Other pregnancy outcomes^LN||0||||F

OBX|24|NM|73772-6^Number of fetal deaths delivered^LN||1||||F

OBX|25|NM|73773-4^Number of infants in this delivery born alive^LN||0||||F

OBX|26|NM|64794-1^CigsSmokedPriorToPreg^LN||00{pack}^UCUM||||F

OBX|27|NM|87298-6^CigsSmokedDuringFirstTrimester^LN||00{pack}^UCUM||||F

OBX|28|NM|87299-4^CigsSmokedDuringSecondTrimester^LN||00{pack}^UCUM||||F

OBX|29|NM|64795-8^CigsSmokedDuringLastTrimester^LN||00{pack}^UCUM||||F

OBX|30|DTM|8665-2^DateLastMensesYear^LN||20180418||||F

OBX|31|CWE|73775-9^RiskFactor^LN||200144004^Deliveries by cesarean^SCT~~~~~||||F

OBX|32|NM|68497-7^Previous cesarean deliveries^LN||1||||F

OBX|33|NM|68493-6^Prenatal visits for this pregnancy^LN||8||||F

OBX|34|CWE|PHC1487^Number of prenatal care visits edit flag^CDCPHINVS||PHC1362^Passed
Edit^SCT~~~~~||||F

OBX|35|CWE|PHC1488^RiskFactorNumberPreviousCesareanEdit^CDCPHINVS||PHC1362^Passed
Edit^SCT~~~~~||||F

OBX|36|CWE|73761-9^DeliveryMethodFetalPresentation^LN||6096002^Breech^SCT||||F

OBX|37|CWE|73762-7^DeliveryMethodRoute^LN||48782003^Spontaneous^SCT||||F

OBX|38|CWE|73760-1^DeliveryMethodAttemptedLabor^LN||N^No^PHVS_YesNoUnknown_CDC||||F

OBX|39|NM|8339-4^BirthWeightGrams^LN||1530|g^Grams^UCUM||||F

OBX|40|CWE|PHC1478^BirthEdit^CDCPHINVS||PHC1380^Off^SCT||||F

OBX|41|NM|11884-4^ObstetricGestationEstimate^LN||20|wk^Weeks^UCUM||||F

OBX|42|CWE|PHC1481^ObstetricGestationEstimateEdit^CDCPHINVS||PHC1380^Off^CDCPHINVS||||F

OBX|43|CWE|73769-2^Infections present and or treated during this pregnancy for fetal
death^LN||105629000^Chlamydial infection^SCT||||F

OBX|44|CWE|73781-7^Maternal morbidity^LN||116859006^Transfusion of blood product^SCT|||||F

OBX|45|CWE|73811-2^EstimatedTimeFetalDeath^LN||434631000124100^Fetal intrapartum death after first assessment^SCT|||||F

OBX|46|CWE|73768-4^AutopsyPerformed^LN||719828003^No^SCT|||||F

4.9 Void Certificate Live Birth Information

MSH|^~\&|2.16.840.1.114222.4.3.2.2.1.4|NCHS|2.16.840.1.114222.4.3.2.2.3600.7|CDPH|2019010918 2355-0600||ADT^A04^ADT_A01|12233355619|P|2.6|||AL|AL|US|||JVLBIA04_V1.0

EVN||20190109180204-0600||VR

PID|1||2019000011^^CDPH^BCT||~^^^^U|King|20190212|||^^UT^^US^BDL

PV1||N

4.10 Void Certificate Fetal Death Information

MSH|^~\&|2.16.840.1.114222.4.3.2.2.1.4|NCHS|2.16.840.1.114222.4.3.2.2.3600.7|CDPH|2019010918 2355-0600||ADT^A04^ADT_A01|12233355619|P|2.6|||AL|AL|US|||JVFDIA04_V1.0

EVN||20190109180204-0600||VR

PID|1||2019000011^^CDPH^FDR||~^^^^U|King|20190212|||^^UT^^US^BDL

PV1||N

4.11 Coded Cause of Fetal Death Information

MSH|^~\&|2.16.840.1.114222.4.3.2.2.1.4|NCHS|2.16.840.1.114222.4.3.2.2.3600.7|CDPH|20190 109182322-0600||ADT^A04^ADT_A01|12233355619|P|2.6|||AL|AL|US|||CCOFDIA04_V1.0

EVN||20190109180128-0600||CFD

PID|1||000111^^CDPH^FDR~2019000111^^CDPH^FDRFN||^^^^^U|Santos|20190109|F|||^ ^
^MI^^US^BDL

PV1||N|

OBX|1|CWE|92022-3^Initiating Cause of death or condition^LN||P50.2^Fetal blood loss from placenta^I10^^^^^|||||F

OBX|2|CWE|92023-1^Death cause other significant conditions^LN||O03^Spontaneous abortion^I10^^^^^|||||F

4.12 Coded Live Birth Race/Ethnicity Information

MSH|^~\&|2.16.840.1.114222.4.3.2.2.1.4|NCHS|2.16.840.1.114222.4.3.2.2.3600.7|CDPH|2019010918 2311-0600||ADT^A04^ADT_A01|12233355619|P|2.6|||AL|AL|US|||CREILBA04_V1.0

EVN||20190109180123-0600||CRE

PID|1||000011^^CDPH^BCT~2019000011^^CDPH^BCFN||Quinn^BabyG^^^^U|King|201902121300|F|||^ ^
^UT^^US^BDL

PV1||N|

OBX|1|CWE|88117-7^Tabulated Ethnicity\S\Mother^LN||2186-5^Non-Hispanic^CDCREC|||||F

OBX|2|CWE|88118-5^Tabulated Ethnicity\\$\Father^LN||2186-5^Non-Hispanic^CDCREC|||||F

OBX|3|CWE|88119-3^Bridged race\\$Mother^LN||1002-5^American Indian or Alaska Native^CDCREC|||||F

OBX|4|CWE|88119-3^Bridged race\\$Mother^LN||2106-3^White^CDCREC|||||F

OBX|5|CWE|88120-1^TBridged race\\$Father^LN||2106-3^White^CDCREC|||||F

4.13 Coded Fetal Death Race/Ethnicity Information

MSH|^~\&|2.16.840.1.114222.4.3.2.2.1.4|NCHS|2.16.840.1.114222.4.3.2.2.3600.7|CDPH|20190109182343-0600||ADT^A04^ADT_A01|12233355619|P|2.6||AL|AL|US|||CREIFDA04_V1.0

EVN||20190109182313-0600||CRE

PID|1||000111^^CDPH^FDR~201900111^^CDPH^FDRFN||^^^^^U|Santos|201901091823|F|||1400
South Street^^Ann Arbor^MI^48109^US^BDL

PV1||N|

OBX|1|CWE|88117-7^Tabulated Ethnicity\\$Mother^LN||2186-5^Non-Hispanic^CDCREC|||||F

OBX|2|CWE|88119-3^Bridged race\\$Mother^LN||1002-5^American Indian or Alaska Native^CDCREC|||||F

OBX|3|CWE|88119-3^Bridged race\\$Mother^LN||2106-3^White^CDCREC|||||F

5 MESSAGE INFRASTRUCTURE

5.1 Profile Components

5.1.1 PROVIDER SUPPLIED LIVE BIRTH INFORMATION

The component is used to designate the set of observations collected for provider supplied live birth reporting.

Profile Component Definition

Location	Name	Value Set/Single Code	Definition Text
OBX_BR.3	Observation Identifier	PHVS_PSLBIObservationType_NCHS_BR	Unique identifier for the type of observation. This field provides a code for the type of observation. Observation codes are either drawn from LOINC or are PHIN local codes. Code system codes are provided within the CWE data type for this field.

5.1.2 PROVIDER SUPPLIED FACILITY LIVE BIRTH INFORMATION

The component is used to designate the set of observations collected for facility supplied live birth reporting.

Profile Component Definition

Location	Name	Value Set/Single Code	Definition Text
OBX_BR.3	Observation Identifier	PHVS_PSFLBIObservationType_NCHS_BR	Unique identifier for the type of observation. This field provides a code for the type of observation. Observation codes are either drawn from LOINC or are PHIN local codes. Code system codes are provided within the CWE data type for this field.

5.1.3 PROVIDER SUPPLIED MOTHER'S LIVE BIRTH INFORMATION

The component is used to designate the set of observations collected for mother supplied live birth reporting.

Profile Component Definition

Location	Name	Value Set/Single Code	Definition Text
OBX_BR.3	Observation Identifier	PHVS_PSMLBIObservationType_NCHS_BR	Unique identifier for the type of observation. This field provides a code for

Location	Name	Value Set/Single Code	Definition Text
			<p>the type of observation.</p> <p>Observation codes are either drawn from LOINC or are PHIN local codes. Code system codes are provided within the CWE data type for this field.</p>

5.1.4 JURISDICTION SUPPLIED LIVE BIRTH INFORMATION

The component is used to designate the set of observations collected for jurisdiction supplied live birth reporting.

Profile Component Definition

Location	Name	Value Set/Single Code	Definition Text
OBX_BR.3	Observation Identifier	PHVS_JLBIObservationType_NCHS_BR	<p>Unique identifier for the type of observation. This field provides a code for the type of observation.</p> <p>Observation codes are either drawn from LOINC or are PHIN local codes. Code system codes are provided within the CWE data type for this field.</p>

5.1.5 PROVIDER SUPPLIED FETAL DEATH INFORMATION

The collection of observation types used for reporting provider supplied fetal death information.

Profile Component Definition

Location	Name	Value Set/Single Code	Definition Text
OBX_BR.3	Observation Identifier	PHVS_PSFDOIObservationType_NCHS_BR	<p>Unique identifier for the type of observation. This field provides a code for the type of observation.</p> <p>Observation codes are either drawn from LOINC or are PHIN local codes. Code system codes are provided within the CWE data type for this field.</p>

5.1.6 PROVIDER SUPPLIED FACILITY FETAL DEATH INFORMATION

The collection of observation types used for reporting facility provided fetal death information.

Profile Component Definition

Location	Name	Value Set/Single Code	Definition Text
OBX_BR.3	Observation Identifier	PHVS_PSFFDIObservationType_NCHS_BR	<p>Unique identifier for the type of observation. This field provides a code for the type of observation.</p> <p>Observation codes are either drawn from LOINC or are PHIN local codes. Code system codes are provided within the CWE data type for this field.</p>

5.1.7 PROVIDER SUPPLIED MOTHER'S FETAL DEATH INFORMATION

The collection of observation types used for reporting mother provided fetal death information.

Profile Component Definition

Location	Name	Value Set/Single Code	Definition Text
OBX_BR.3	Observation Identifier	PHVS_PSMFDIObservationType_NCHS_BR	<p>Unique identifier for the type of observation. This field provides a code for the type of observation.</p> <p>Observation codes are either drawn from LOINC or are PHIN local codes. Code system codes are provided within the CWE data type for this field.</p>

5.1.8 JURISDICTION SUPPLIED FETAL DEATH INFORMATION

The collection of observation types used for reporting jurisdiction provided fetal death information.

Profile Component Definition

Location	Name	Value Set/Single Code	Definition Text
OBX_BR.3	Observation Identifier	PHVS_JFDIObservationType_NCHS_BR	<p>Unique identifier for the type of observation. This field provides a code for the type of observation.</p> <p>Observation codes are either drawn from LOINC or are PHIN local codes. Code system codes are provided within the CWE data type for this field.</p>

5.1.9 CODED CAUSE OF FETAL DEATH INFORMATION

The collection of observation types used for reporting coded cause of fetal death information.

Profile Component Definition

Location	Name	Value Set/Single Code	Definition Text
OBX_BR.3	Observation Identifier	PHVS_CCOFDIObservationType_NCHS_BR	<p>Unique identifier for the type of observation. This field provides a code for the type of observation.</p> <p>Observation codes are either drawn from LOINC or are PHIN local codes. Code system codes are provided within the CWE data type for this field.</p>

5.1.10 CODED RACE & ETHNICITY INFORMATION

Profile Component Definition

Location	Name	Value Set/Single Code	Definition Text
OBX_BR.3	Observation Identifier	PHVS_CREIObservationType_NCHS_BR	<p>Unique identifier for the type of observation. This field provides a code for the type of observation.</p> <p>Observation codes are either drawn from LOINC or are PHIN local codes. Code system codes are provided within the CWE data type for this field.</p>

5.2 Conformance Profiles

5.2.1 REPORT PROVIDER SUPPLIED LIVE BIRTH INFORMATION - PSLBIA04 - ADT MESSAGE

The initial report for a live birth, including that defined for both the Facility and Mother's Worksheet, is transmitted.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]

Segment	Flavor	Element name	Usage	Cardinality
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..*]
PV1	PV1_BR_LB	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSLBIA04_V1.0'.
PSLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.2 REVISE PROVIDER SUPPLIED LIVE BIRTH INFORMATION - PSLBIA08 - ADT MESSAGE

A revision to previously transmitted information for a live birth as conveyed in the PSLBIA04 conformance profile is transmitted. This profile includes the content defined for both the Facility and Mother's Worksheet.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..*]
PV1	PV1_BR_LB	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSLBIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSLBIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSLBIA08_V1.0'.
PSLBIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.3 REPORT PROVIDER SUPPLIED FACILITY'S LIVE BIRTH INFORMATION - PSFLBIA04 - ADT MESSAGE

The initial report for a live birth, as defined by the Facility Worksheet, is transmitted.

When information for a live birth, as defined by the Facility Worksheet is transmitted to the jurisdiction separately from data derived from the Mother's Worksheet, it is necessary to include sufficient information to link the two transactions. For live birth reporting this shall include the Sending Facility identifier (MSH.4) plus an agreed upon identifier type for the newborn from the Patient Identifier List (PID.3). The newborn medical record number is a likely candidate to be used for this purpose; however the actual identifier type to be used must be agreed upon by the message senders, and the message receiver.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR_FW	Next of Kin / Associated Parties	R	[1..1]
PV1	PV1_BR_LB	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSFLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSFLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFLBIA04_V1.0'.
PSFLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.4 REVISE PROVIDER SUPPLIED FACILITY'S LIVE BIRTH INFORMATION - PSFLBIA08 - ADT MESSAGE

A revision to previously transmitted information for a live birth as conveyed in the PSFLBIA04 profile is transmitted. This profile includes the content defined for the Facility Worksheet.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR_FW	Next of Kin / Associated Parties	R	[1..1]
PV1	PV1_BR_LB	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSFLBIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSFLBIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFLBIA08_V1.0'.
PSFLBIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.5 REPORT PROVIDER SUPPLIED MOTHER'S LIVE BIRTH INFORMATION - PSMLBIA04 - ADT MESSAGE

The initial report for a live birth, as defined for the Mother's Worksheet, is transmitted.

When information for a live birth, as defined by the Mother's Worksheet is transmitted to the jurisdiction separately from data derived from the Facility Worksheet, it is necessary to include sufficient information to link the two transactions. For live birth reporting this shall include the Sending Facility identifier (MSH.4) plus an agreed upon identifier type for the newborn from the Patient Identifier List (PID.3). The newborn medical record number is a likely candidate to be used for this purpose; however the actual identifier type to be used must be agreed upon by the message senders, and the message receiver.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..*]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSMLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSMLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSMLBIA04_V1.0'.
PSMLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.6 REVISE PROVIDER SUPPLIED MOTHER'S LIVE BIRTH INFORMATION - PSMLBIA08 - ADT MESSAGE

A revision to previously transmitted information for a live birth as conveyed by the PSMLBIA04 profile is transmitted. This profile includes the content defined for the Mother's Worksheet.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..*]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSMLBIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSMLBIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSMLBIA08_V1.0'.
PSMLBIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.7 REPORT PROVIDER SUPPLIED FETAL DEATH INFORMATION - PSFDIA04 - ADT MESSAGE

The initial report for a fetal death, including that defined for both the Facility and Patient's Worksheet, is transmitted.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..*]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFDIA04_V1.0'.
PSFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.8 REVISE PROVIDER SUPPLIED FETAL DEATH INFORMATION - PSFDIA08 - ADT MESSAGE

A revision of information for a fetal death as conveyed in the PSFDIA04 profile is transmitted. This profile includes the content defined for both the Facility and Patient's Worksheet.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..*]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFDIA08_V1.0'.
PSFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.9 REPORT PROVIDER SUPPLIED FACILITY'S FETAL DEATH INFORMATION - PSFFDIA04 - ADT MESSAGE

The initial report for a fetal death, limited to that defined for the Facility Worksheet, is transmitted.

When information for a fetal death, as defined by the Facility Worksheet is transmitted to the jurisdiction separately from data derived from the Patient's Worksheet, it is necessary to include sufficient information to link the two transactions. For fetal death reporting this shall include the Sending Facility identifier (MSH.4), an agreed upon identifier type for the patient (mother) from the Patient Identifier List (PID.3), and the value provided for the order delivered with the pregnancy (LOINC - 73771-8 Birth order). The mother's medical record number is a likely candidate to be used as the patient identifier; however the actual identifier type to be used must be agreed upon by the message senders, and the message receiver.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR_FW	Next of Kin / Associated Parties	R	[1..1]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSFFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSFFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFFDIA04_V1.0'.
PSFFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.10 REVISE PROVIDER SUPPLIED FACILITY'S FETAL DEATH INFORMATION - PSFFDIA08 - ADT MESSAGE

A revision to information for a fetal death as conveyed by the PSFFDIA04 profile is transmitted. The profile includes content defined for the Facility Worksheet.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR_FW	Next of Kin / Associated Parties	R	[1..1]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSFFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSFFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFFDIA08_V1.0'.
PSFFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.11 REPORT PROVIDER SUPPLIED MOTHER'S FETAL DEATH INFORMATION - PSMFDIA04 - ADT MESSAGE

The initial report for a fetal death, including that defined for the Patient's Worksheet, is transmitted.

When information for a fetal death, as defined by the Patient's Worksheet is transmitted to the jurisdiction separately from data derived from the Facility Worksheet, it is necessary to include sufficient information to link the two transactions. For fetal death reporting this shall include the Sending Facility identifier (MSH.4), an agreed upon identifier type for the patient (mother) from the Patient Identifier List (PID.3), and the value provided for the order delivered with the pregnancy (LOINC - 73771-8 Birth order). The mother's medical record number is a likely candidate to be used as the patient identifier; however the actual identifier type to be used must be agreed upon by the message senders, and the message receiver.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..*]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSMFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSMFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSMFDIA04_V1.0'.
PSMFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.12 REVISE PROVIDER SUPPLIED MOTHER'S FETAL DEATH INFORMATION - PSMFDIA08 - ADT MESSAGE

A revision to information for a fetal death as conveyed by the PSMFDIA04 profile is transmitted. The profile includes content defined for the Patient's Worksheet.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..*]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSMFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSMFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSMFDIA08_V1.0'.
PSMFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.13 REPORT JURISDICTION LIVE BIRTH INFORMATION - JLBIA04 - ADT MESSAGE

The initial report for a live birth, received and processed by a jurisdictional vital records office is transmitted.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..2]
PV1	PV1_BR_LB	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
JLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
JLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JLBIA04_V1.0'.
JLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.14 REVISE JURISDICTION LIVE BIRTH INFORMATION - JLBIA08 - ADT MESSAGE

A revision of information for a live birth, received and processed by a jurisdictional vital records office is transmitted.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..2]
PV1	PV1_BR_LB	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
JLBIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
JLBIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JLBIA08_V1.0'.
JLBIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.15 REPORT JURISDICTION FETAL DEATH INFORMATION - JFDIA04 - ADT MESSAGE

The initial report for a fetal death, received and processed by a jurisdictional vital records office is transmitted.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..2]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
JFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
JFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JFDIA04_V1.0'.
JFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.16 REVISE JURISDICTION FETAL DEATH INFORMATION - JFDIA08 - ADT MESSAGE

A revision of information for a fetal death, received and processed by a jurisdictional vital records office is transmitted.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..2]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
JFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
JFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JFDIA08_V1.0'.
JFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.17 REPORT VOID LIVE BIRTH CERTIFICATE INFORMATION - JVLBIA04 - ADT MESSAGE

The initial report of a voided birth certificate is transmitted.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_ID	Patient Identification	R	[1..1]
PV1	PV1_BR	Patient Visit	R	[1..1]

Conformance Statements

Message:

ID	Description
JVLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
JVLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JVLBIA04_V1.0'.
JVLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'VR'.

5.2.18 REPORT VOID FETAL DEATH REPORT INFORMATION - JVFDIA04 - ADT MESSAGE

The initial report of a voided fetal death report is transmitted.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]

Segment	Flavor	Element name	Usage	Cardinality
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_ID	Patient Identification	R	[1..1]
PV1	PV1_BR	Patient Visit	R	[1..1]

Conformance Statements

Message:

ID	Description
JVF DIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
JVF DIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JVFDIA04_V1.0'.
JVF DIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'VR'.

5.2.19 REPORT CODED CAUSE OF FETAL DEATH - CCOFDIA04 - ADT MESSAGE

The initial report of coded cause of death information for a fetal death is transmitted.

Cause of death on a fetal death report comes from the provider as text entries as well as a choice from a defined list of possible causes. The information that is provided this way is transformed into one or more ICD 10 codes at NCHS, and returned as transaction following this profile.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_ID	Patient Identification	R	[1..1]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
CCO FDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
CCO FDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CCO FDIA04_V1.0'.
CCO FDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'CFD'.

5.2.20 REVISE CODED CAUSE OF FETAL DEATH INFORMATION - CCOFDIA08 - ADT MESSAGE

A revision of coded cause of death information for a fetal death is transmitted.

Cause of death on a fetal death report comes from the provider as a mixture of text entries and choices from a defined list of possible causes. The information that is provided this way is transformed into one or more ICD 10 codes at NCHS, and returned as transaction following this profile.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_ID	Patient Identification	R	[1..1]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
CCOFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
CCOFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CCOFDIA08_V1.0'.
CCOFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'CFD'.

5.2.21 REPORT CODED RACE & ETHNICITY FOR LIVE BIRTH - CREILBA04 - ADT MESSAGE

The initial report of information containing coded race & ethnicity content is transmitted.

Race and ethnicity information for mother and father for the birth certificate and fetal death report, as reported by the mother, is derived from one or more check box and/or text entries on the mother's/patient's worksheet. The NCHS processes the data by transforming checkbox and text entries into standard set of numerical codes using race and ethnicity codes developed by NCHS and the Census Bureau and then by combining and consolidating the coded entries, editing for redundant entries. The edited consolidated code produced can capture multiple (up to 8) unique, detailed entries. In cases where multiple entries are reported, it has been necessary to "bridge" multiple race entries to single race entry and multiple ethnicities to single ethnicity for reporting purposes.

The race and ethnicity data that is the subject of this profile is conveyed within NK1 segments. One will contain data for the mother, and the other, for the father.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_ID	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	RE	[0..2]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
CREILBA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
CREILBA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CREILBA04_V1.0'.
CREILBA04_002	The value of EVN.4 (Event Reason Code) SHALL be 'CRE'.

5.2.22 REVISE CODED RACE & ETHNICITY FOR LIVE BIRTH - CREILBA08 - ADT MESSAGE

A revision of information containing coded race & ethnicity content is transmitted.

Race and ethnicity information for mother and father for the birth certificate and fetal death report, as reported by the mother, is derived from one or more check box and/or text entries on the mother's/patient's worksheet. The NCHS processes the data by transforming checkbox and text entries into standard set of numerical codes using race and ethnicity codes developed by NCHS and the Census Bureau and then by combining and consolidating the coded entries, editing for redundant entries. The edited consolidated code produced can capture multiple (up to 8) unique, detailed entries. In cases where multiple entries are reported, it has been necessary to "bridge" multiple race entries to single race entry and multiple ethnicities to single ethnicity for reporting purposes.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_ID	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	RE	[0..2]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
CREILBA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
CREILBA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CREILBA08_V1.0'.
CREILBA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'CRE'.

5.2.23 REPORT CODED RACE & ETHNICITY FOR FETAL DEATH - CREIFDA04 - ADT MESSAGE

The initial report of information containing coded race & ethnicity content is transmitted.

Race and ethnicity information for mother and father for the birth certificate and fetal death report, as reported by the mother, is derived from one or more check box and/or text entries on the mother's/patient's worksheet. The NCHS processes the data by transforming checkbox and text entries into standard set of numerical codes using race and ethnicity codes developed by NCHS and the Census Bureau and then by combining and consolidating the coded entries, editing for redundant entries. The edited consolidated code produced can capture multiple (up to 8) unique, detailed entries. In cases where multiple entries are reported, it has been necessary to "bridge" multiple race entries to single race entry and multiple ethnicities to single ethnicity for reporting purposes.

The race and ethnicity data that is the subject of this profile is conveyed within NK1 segments. One will contain data for the mother, and the other, for the father.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_ID	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	RE	[0..2]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
CREIFDA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
CREIFDA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CREIFDA04_V1.0'.
CREIFDA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'CRE'.

5.2.24 REVISE CODED RACE & ETHNICITY FOR FETAL DEATH - CREIFDA08 - ADT MESSAGE

A revision of information containing coded race & ethnicity content is transmitted.

Race and ethnicity information for mother and father for the birth certificate and fetal death report, as reported by the mother, is derived from one or more check box and/or text entries on the mother's/patient's worksheet. The NCHS processes the data by transforming checkbox and text entries into standard set of numerical codes using race and ethnicity codes developed by NCHS and the Census Bureau and then by combining and consolidating the coded entries, editing for redundant entries. The edited consolidated code produced can capture multiple (up to 8) unique, detailed entries. In cases where multiple entries are reported, it has been necessary to "bridge" multiple race entries to single race entry and multiple ethnicities to single ethnicity for reporting purposes.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_ID	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	RE	[0..2]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
CREIFDA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
CREIFDA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CREIFDA08_V1.0'.
CREIFDA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'CRE'.

5.2.25 ACKNOWLEDGEMENT - ACK - GENERAL ACKNOWLEDGMENT MESSAGE

The acknowledgement message may be sent in response to any of the profiles described by this document. Since the content of the message does not change even though it responds to a different trigger event, it is only shown once.

Implementers should: note that, for acknowledgement messages, it is important to set the MSH ACK related fields, MSH.15, MSH.16, so as to avoid runaway sequences of ACK messages.

HL7 Version	Publication Date	Publication Version	Scope
2.6		0	USER

Conformance Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
MSA	MSA_BR	Message Acknowledgment	R	[1..1]
ERR	ERR_BR	Error	RE	[0..*]

Conformance Statements

Message:

ID	Description
ACK_BR_001	The value of MSH.9.2 (Trigger Event) is one of list values: A04, A08.
ACK_BR_002	The value of MSH.21.1 (Entity Identifier) is 'ACK'.

5.3 Composite Profiles

5.3.1 REPORT PROVIDER SUPPLIED LIVE BIRTH INFORMATION - PSLBIA04

Composition

Report Provider Supplied Live Birth Information - PSLBIA04 = ADT^A04^ADT_A01+Provider Supplied Live Birth Information

The composite profile applies the proper observation type value set to the conformance profile for provider supplied live birth information.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..*]
PV1	PV1_BR_LB	Patient Visit	R	[1..1]
OBX	OBX_BR_PSLBIA04-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSLBIA04_V1.0'.
PSLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.3.2 REVISE PROVIDER SUPPLIED LIVE BIRTH INFORMATION - PSLBIA08

Composition

Revise Provider Supplied Live Birth Information - PSLBIA08 = ADT^A08^ADT_A01+Provider Supplied Live Birth Information

The composite profile applies the proper observation type value set to the conformance profile for provider supplied live birth information.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..*]
PV1	PV1_BR_LB	Patient Visit	R	[1..1]
OBX	OBX_BR_PSLBIA08-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSLBIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSLBIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSLBIA08_V1.0'.
PSLBIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.3.3 REPORT PROVIDER SUPPLIED FACILITY'S LIVE BIRTH INFORMATION - PSFLBIA04

Composition

Report Provider Supplied Facility's Live Birth Information - PSFLBIA04 = ADT^A04^ADT_A01+Provider Supplied Facility Live Birth Information

The composite profile applies the proper observation type value set to the conformance profile for provider supplied facility live birth information.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR_FW	Next of Kin / Associated Parties	R	[1..1]

Segment	Flavor	Element name	Usage	Cardinality
PV1	PV1_BR_LB	Patient Visit	R	[1..1]
OBX	OBX_BR_PSFLBIA04-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSFLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSFLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFLBIA04_V1.0'.
PSFLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.3.4 REVISE PROVIDER SUPPLIED FACILITY'S LIVE BIRTH INFORMATION - PSFLBIA08

Composition

Revise Provider Supplied Facility's Live Birth Information - PSFLBIA08 = ADT^A08^ADT_A01+Provider Supplied Facility Live Birth Information

The composite profile applies the proper observation type value set to the conformance profile for provider supplied facility live birth information.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR_FW	Next of Kin / Associated Parties	R	[1..1]
PV1	PV1_BR_LB	Patient Visit	R	[1..1]
OBX	OBX_BR_PSFLBIA08-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSFLBIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSFLBIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFLBIA08_V1.0'.
PSFLBIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.3.5 REPORT PROVIDER SUPPLIED MOTHER'S LIVE BIRTH INFORMATION - PSMLBIA04

Composition

Report Provider Supplied Mother's Live Birth Information - PSMLBIA04 = ADT^A04^ADT_A01+Provider Supplied Mother's Live Birth Information

The composite profile applies the proper observation type value set to the conformance profile for provider supplied mother's live birth information.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..*]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR_PSMLBIA04-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSMLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSMLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSMLBIA04_V1.0'.
PSMLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.3.6 REVISE PROVIDER SUPPLIED MOTHER'S LIVE BIRTH INFORMATION - PSMLBIA08

Composition

Revise Provider Supplied Mother's Live Birth Information - PSMLBIA08 = ADT^A08^ADT_A01+Provider Supplied Mother's Live Birth Information

The composite profile applies the proper observation type value set to the conformance profile for provider supplied mother's live birth information.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..*]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR_PSMLBIA08-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description

ID	Description
PSMLBIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSMLBIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSMLBIA08_V1.0'.
PSMLBIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.3.7 REPORT PROVIDER SUPPLIED FETAL DEATH INFORMATION - PSFDIA04

Composition

Report Provider Supplied Fetal Death Information - PSFDIA04 = ADT^A04^ADT_A01+Provider Supplied Fetal Death Information

The composite profile applies the proper observation type value set to the conformance profile for provider supplied fetal death information.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..*]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR_PSFDIA04-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFDIA04_V1.0'.
PSFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.3.8 REVISE PROVIDER SUPPLIED FETAL DEATH INFORMATION - PSFDIA08

Composition

Revise Provider Supplied Fetal Death Information - PSFDIA08 = ADT^A08^ADT_A01+Provider Supplied Fetal Death Information

The composite profile applies the proper observation type value set to the conformance profile for provider supplied fetal death information.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..*]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR_PSFDIA08-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFDIA08_V1.0'.
PSFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.3.9 REPORT PROVIDER SUPPLIED FACILITY'S FETAL DEATH INFORMATION - PSFFDIA04

Composition

Report Provider Supplied Facility's Fetal Death Information - PSFFDIA04 = ADT^A04^ADT_A01+Provider Supplied Facility Fetal Death Information

The composite profile applies the proper observation type value set to the conformance profile for provider supplied facility fetal death information.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR_FW	Next of Kin / Associated Parties	R	[1..1]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR_PSFFDIA04-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSFFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSFFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFFDIA04_V1.0'.
PSFFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.3.10 REVISE PROVIDER SUPPLIED FACILITY'S FETAL DEATH INFORMATION - PSFFDIA08

Composition

Revise Provider Supplied Facility's Fetal Death Information - PSFFDIA08 = ADT^A08^ADT_A01+Provider Supplied Facility Fetal Death Information

The composite profile applies the proper observation type value set to the conformance profile for provider supplied facility fetal death information.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR_FW	Next of Kin / Associated Parties	R	[1..1]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR_PSFFDIA08-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSFFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSFFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFFDIA08_V1.0'.
PSFFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.3.11 REPORT PROVIDER SUPPLIED MOTHER'S FETAL DEATH INFORMATION - PSMFDIA04

Composition

Report Provider Supplied Mother's Fetal Death Information - PSMFDIA04 = ADT^A04^ADT_A01+Provider Supplied Mother's Fetal Death Information

The composite profile applies the proper observation type value set to the conformance profile for provider supplied mother's fetal death information.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..*]

Segment	Flavor	Element name	Usage	Cardinality
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR_PSMFDIA04-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSMFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSMFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSMFDIA04_V1.0'.
PSMFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.3.12 REVISE PROVIDER SUPPLIED MOTHER'S FETAL DEATH INFORMATION - PSMFDIA08

Composition

Revise Provider Supplied Mother's Fetal Death Information - PSMFDIA08 = ADT^A08^ADT_A01+Provider Supplied Mother's Fetal Death Information

The composite profile applies the proper observation type value set to the conformance profile for provider supplied mother's fetal death information.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..*]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR_PSMFDIA08-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
PSMFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSMFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSMFDIA08_V1.0'.
PSMFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.3.13 REPORT JURISDICTION FETAL DEATH INFORMATION - JFDIA04

Composition

Report Jurisdiction Fetal Death Information - JFDIA04 = ADT^A04^ADT_A01+Jurisdiction Supplied Fetal Death Information

The composite profile applies the proper observation type value set to the conformance profile for jurisdiction fetal death information.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..2]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR_JFDIA04-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
JFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
JFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JFDIA04_V1.0'.
JFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.3.14 REVISE JURISDICTION FETAL DEATH INFORMATION - JFDIA08

Composition

Revise Jurisdiction Fetal Death Information - JFDIA08 = ADT^A08^ADT_A01+Jurisdiction Supplied Fetal Death Information

The composite profile applies the proper observation type value set to the conformance profile for jurisdiction fetal death information.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..2]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR_JFDIA08-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description

ID	Description
JFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
JFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JFDIA08_V1.0'.
JFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.3.15 REPORT CODED CAUSE OF FETAL DEATH - CCOFDIA04

Composition

Report Coded Cause of Fetal Death - CCOFDIA04 = ADT^A04^ADT_A01+Coded Cause of Fetal Death Information

The composite profile applies the proper observation type value set to the conformance profile for coded cause of fetal death.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_ID	Patient Identification	R	[1..1]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR_CCOFDIA04-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
CCOFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
CCOFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CCOFDIA04_V1.0'.
CCOFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'CFD'.

5.3.16 REVISE CODED CAUSE OF FETAL DEATH - CCOFDIA08

Composition

Revise Coded Cause of Fetal Death - CCOFDIA08 = ADT^A08^ADT_A01+Coded Cause of Fetal Death Information

The composite profile applies the proper observation type value set to the conformance profile for coded cause of fetal death.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]

Segment	Flavor	Element name	Usage	Cardinality
PID	PID_BR_ID	Patient Identification	R	[1..1]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR_CCOFDIA08-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
CCOFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
CCOFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CCOFDIA08_V1.0'.
CCOFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'CFD'.

5.3.17 REPORT JURISDICTION LIVE BIRTH INFORMATION - JLBIA04

Composition

Report Jurisdiction Live Birth Information - JLBI04 = ADT^A04^ADT_A01+Jurisdiction Supplied Live Birth Information

The composite profile applies the proper observation type value set to the conformance profile for jurisdiction live birth information.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..2]
PV1	PV1_BR_LB	Patient Visit	R	[1..1]
OBX	OBX_BR_JLBIA04-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
JLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
JLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JLBIA04_V1.0'.
JLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.3.18 REVISE JURISDICTION LIVE BIRTH INFORMATION - JLBI08

Composition

Revise Jurisdiction Live Birth Information - JLBI08 = ADT^A08^ADT_A01+Jurisdiction Supplied Live Birth

Information

The composite profile applies the proper observation type value set to the conformance profile for jurisdiction live birth information.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_DL	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	R	[1..2]
PV1	PV1_BR_LB	Patient Visit	R	[1..1]
OBX	OBX_BR_JLBIA08-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
JLBIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
JLBIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JLBIA08_V1.0'.
JLBIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.3.19 REPORT CODED RACE & ETHNICITY FOR LIVE BIRTH - CREILBA04

Composition

Report Coded Race & Ethnicity for Live Birth - CREILBA04 = ADT^A04^ADT_A01+Coded Race & Ethnicity Information

The composite profile applies the proper observation type value set to the conformance profile for coded race & ethnicity.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_ID	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	RE	[0..2]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR_CREILBA04-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
CREILBA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
CREILBA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CREILBA04_V1.0'.
CREILBA04_002	The value of EVN.4 (Event Reason Code) SHALL be 'CRE'.

5.3.20 REVISE CODED RACE & ETHNICITY FOR LIVE BIRTH - CREILBA08

Composition

Revise Coded Race & Ethnicity for Live Birth - CREILBA08 = ADT^A08^ADT_A01+Coded Race & Ethnicity Information

The composite profile applies the proper observation type value set to the conformance profile for coded race & ethnicity.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_ID	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	RE	[0..2]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR_CREILBA08-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
CREILBA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
CREILBA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CREILBA08_V1.0'.
CREILBA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'CRE'.

5.3.21 REPORT CODED RACE & ETHNICITY FOR FETAL DEATH - CREIFDA04

Composition

Report Coded Race & Ethnicity for Fetal Death - CREIFDA04 = ADT^A04^ADT_A01+Coded Race & Ethnicity Information

The composite profile applies the proper observation type value set to the conformance profile for coded race & ethnicity.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_ID	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	RE	[0..2]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR_CREIFDA04-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
CREIFDA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
CREIFDA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CREIFDA04_V1.0'.
CREIFDA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'CRE'.

5.3.22 REVISE CODED RACE & ETHNICITY FOR FETAL DEATH - CREIFDA08

Composition

Revise Coded Race & Ethnicity for Fetal Death - CREIFDA08 = ADT^A08^ADT_A01+Coded Race & Ethnicity Information

The composite profile applies the proper observation type value set to the conformance profile for coded race & ethnicity.

Composite Profile Definition

Segment	Flavor	Element name	Usage	Cardinality
MSH	MSH_BR	Message Header	R	[1..1]
EVN	EVN_BR	Event Type	R	[1..1]
PID	PID_BR_ID	Patient Identification	R	[1..1]
NK1	NK1_BR	Next of Kin / Associated Parties	RE	[0..2]
PV1	PV1_BR	Patient Visit	R	[1..1]
OBX	OBX_BR_CREIFDA08-1	Observation/Result	R	[1..*]

Conformance Statements

Message:

ID	Description
CREIFDA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
CREIFDA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CREIFDA08_V1.0'.

ID	Description
CREIFDA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'CRE'.

5.4 Segments and Field Descriptions

5.4.1 ERR_BR - ERROR

The ERR segment is used to add error comments to acknowledgment messages. The birth reporting flavor highlights the fields within the segment that are relevant to the implementation guide.

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
3	HL7 Error Code	CWE_BR	R	[1..1]	PHVS_MessageErrorConditionCodes_NCHS_BR
4	Severity	ID	R	[1..1]	PHVS_ErrorSeverity_HL7_2x_BR
5	Application Error Code	CWE_BR	RE	[0..1]	PHVS_ApplicationErrorCode_NCHS_BR

Value Set Bindings

Location	Value Set ID	Value Set Name
ERR_BR-3	PHVS_MessageErrorConditionCodes_NCHS_BR	Message Error Condition Codes (NCHS)
ERR_BR-4	PHVS_ErrorSeverity_HL7_2x_BR	Error Severity (HL7)
ERR_BR-5	PHVS_ApplicationErrorCode_NCHS_BR	Application Error Code (NCHS)

ERR-3: HL7 Error Code (CWE_BR)

Identifies the HL7 (communications) error code.

ERR-4: Severity (ID)

Identifies the severity of an application error. Knowing if something is Error, Warning, or Information is intrinsic to how an application handles the content.

ERR-5: Application Error Code (CWE_BR)

Application specific code identifying the specific error that occurred.

5.4.2 EVN_BR - EVENT TYPE

The EVN segment is used to communicate necessary trigger event information to receiving applications. The birth reporting flavor highlights the fields within the segment that are relevant to the implementation guide.

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Recorded Date/Time	DTM_BR_S	R	[1..1]	
4	Event Reason Code	IS	R	[1..1]	

EVN-2: Recorded Date/Time (DTM_BR_S)

Most systems will default to the system date/time when the transaction was entered, but they should also permit an override.

EVN-4: Event Reason Code (IS)

Used to specify whether a report refers to a live birth, a fetal death, a void certificate, a coded cause of death or a coded race and ethnicity.

5.4.3 MSA_BR - MESSAGE ACKNOWLEDGMENT

The Message Response Segment (MSA) contains the information sent to acknowledge the information sent in one of the live birth, fetal death, void certificate, coded cause of fetal death or coded race and ethnicity reporting messages. The birth reporting flavor highlights the fields within the segment that are relevant to the implementation guide.

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
1	Acknowledgment Code	ID	R	[1..1]	PHVS_AcknowledgmentCode_HL7_2x_BR
2	Message Control ID	ST	R	[1..1]	

Value Set Bindings

Location	Value Set ID	Value Set Name
MSA_BR-1	PHVS_AcknowledgmentCode_HL7_2x_BR	Acknowledgment Code (HL7)

MSA-1: Acknowledgment Code (ID)

Acknowledgment code indicating receipt of message.

MSA-2: Message Control ID (ST)

Identifier that enables the sending system to associate this response with the message for which it is intended. This value will be the MSH.10 message control ID from the message being acknowledged

5.4.4 MSH_BR - MESSAGE HEADER

The Message Header Segment (MSH) contains information describing how to parse and process the message. This includes identification of message delimiters, sender, receiver, message type, timestamp, etc. The birth reporting flavor highlights the fields within the segment that are relevant to the implementation guide.

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
1	Field Separator	ST	R	[1..1]	
2	Encoding Characters	ST	R	[1..1]	
3	Sending Application	HD_BR	R	[1..1]	
4	Sending Facility	HD_BR	R	[1..1]	
5	Receiving Application	HD_BR	R	[1..1]	
6	Receiving Facility	HD_BR	R	[1..1]	
7	Date/Time of Message	DTM_BR_S	R	[1..1]	
9	Message Type	MSG_BR	R	[1..1]	
10	Message Control ID	ST	R	[1..1]	
11	Processing ID	PT_BR	R	[1..1]	
12	Version ID	VID_BR	R	[1..1]	
15	Accept Acknowledgment Type	ID	R	[1..1]	PHVS_AcceptApplicationAcknowledgmentConditions_HL7_BR
16	Application Acknowledgment Type	ID	R	[1..1]	PHVS_AcceptApplicationAcknowledgmentConditions_HL7_BR
17	Country Code	ID	RE	[0..1]	
21	Message Profile Identifier	EI_BR	R	[1..1]	

Conformance Statements

ID	Description
MSH_BR_001	The value of MSH-1 (Field Separator) SHALL be ' '.
MSH_BR_002	The value of MSH-2 (Encoding Characters) is '^~\&'.
MSH_BR_007	MSH.16 (Application Acknowledgment) should not be set so as to require an ACK for an ACK message.

ID	Description
MSH_BR_008	The value of MSH-17 (Country Code) is 'US'.

Value Set Bindings

Location	Value Set ID	Value Set Name
MSH_BR-15	PHVS_AcceptApplicationAcknowledgmentConditions_HL7_BR	Accept Application Acknowledgment Conditions (HL7)
MSH_BR-16	PHVS_AcceptApplicationAcknowledgmentConditions_HL7_BR	Accept Application Acknowledgment Conditions (HL7)

MSH-1: Field Separator (ST)

Character to be used as the field separator for the rest of the message.

MSH-2: Encoding Characters (ST)

Four characters, always appearing in the same order: |^~\&|.

MSH-3: Sending Application (HD_BR)

Field that may be used to identify the sending application uniquely for messaging purposes.

MSH-4: Sending Facility (HD_BR)

Field that uniquely identifies the facility that sends the message. This identifies the originator of the original message. If acknowledgments are in use, this facility will receive any related acknowledgment message

MSH-5: Receiving Application (HD_BR)

Field that may be used to identify the receiving application uniquely for messaging purposes.

MSH-6: Receiving Facility (HD_BR)

Field that uniquely identifies the facility that is to receive the message. This identifies the receiver of the original message. If acknowledgments are in use, this facility originates any related acknowledgment message.

MSH-7: Date/Time of Message (DTM_BR_S)

Field containing the date/time the message was created by the sending system.

Note that the time zone offset is required, and the minimum granularity is to the second, although more precise time stamps are allowed.

The time zone that is specified should be considered as the default for other date/times within the message.

MSH-9: Message Type (MSG_BR)

The value will vary. It will indicate the trigger event and the abstract message type.

MSH-10: Message Control ID (ST)

String that uniquely identifies the message instance from the sending application. Example formats for message control IDs include GUID, timestamp plus sequence number, OID plus sequence number or sequence number. The important point is that care must be taken to insure that the message control id is unique. The sending application (MSH-3) plus MSH-10 (message control id) needs to be globally unique.

MSH-11: Processing ID (PT_BR)

Field that may be used to indicate the intent for processing the message, such as "T" (training,) "D" (debug,) or "P" (production.)

MSH-12: Version ID (VID_BR)

HL7 version number used to interpret format and content of the message.

MSH-15: Accept Acknowledgment Type (ID)

This field identifies the conditions under which accept acknowledgments are required to be returned in response to this message. The decision of whether to require accept acknowledgements, and, if so, the conditions under which they are to be sent is set by local trading partner agreement. The decision is likely to be based on the transport mechanism used - which in some cases will fulfill this function - and on the business needs of the trading partners. Within the context of this IG, we do not expect that support of the codes "ER" and "SU" will be required.

MSH-16: Application Acknowledgment Type (ID)

This field identifies the conditions under which application acknowledgments are required to be returned in response to this message. The decision of whether to require application acknowledgements, and, if so, the conditions under which they are to be sent is set by local trading partner agreement. The decision is likely to be based on whether it is necessary to know whether a message has been successfully processed, and, given the importance of know this, whether that information is to be conveyed through the transaction exchange process rather than by another method. <p>This field identifies the conditions under which accept acknowledgments are required to be returned in response to this message. The decision of whether to require accept acknowledgements, and, if so, the conditions under which they are to be sent is set by local trading partner agreement. The decision is likely to be based on the business needs of the trading partners. Within the context of this IG, we do not expect that support of the codes "ER" and "SU" will be required.

MSH-17: Country Code (ID)

This field contains the country of origin for the message. .

MSH-21: Message Profile Identifier (EI_BR)

The field is used to indicate the Interaction Profile that should be referred to when parsing the message.

5.4.5 NK1_BR - NEXT OF KIN / ASSOCIATED PARTIES

The Next of Kin Segment (NK1) is used to capture identification and other relevant information for the mother and father in live birth and fetal death reporting. Information for the newborn or for the delivered fetus is captured within PID, and the parents are recorded as next of kin. The birth reporting flavor highlights the fields within the segment that are relevant to the implementation guide, and that are captured on the mother's or patient's worksheets.

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
1	Set ID - NK1	SI	R	[1..1]	
2	Name	XPN_BR	R	[1..2]	
3	Relationship	CWE_BR	R	[1..1]	PHVS_BirthReportingAssociatedPartyRelation_NCHS_BR
4	Address	XAD_BR	RE	[0..3]	
16	Date/Time of Birth	DTM_BR_D	RE	[0..1]	
28	Ethnic Group	CWE_BR	RE	[0..*]	PHVS_EthnicityGroup_NCHS_BR
33	Next of Kin/Associated Party's Identifiers	CX_BR_PER	RE	[0..*]	
35	Race	CWE_BR	RE	[0..*]	PHVS_Race_NCHS_BR

Conformance Statements

ID	Description
NK1_BR_001	For the first occurrence of the NK1 segment, the sequence number shall be one (1), for the second occurrence, the sequence number shall be two (2), etc
NK1_BR_002	If NK14.7 = "BDL" then street address, city, and zip code are optional within the XAD data type.

Value Set Bindings

Location	Value Set ID	Value Set Name
NK1_BR-3	PHVS_BirthReportingAssociatedPartyRelation_NCHS_BR	Birth Reporting Associated Party Relation (NCHS)

Location	Value Set ID	Value Set Name
NK1_BR-28	PHVS_EthnicityGroup_NCHS_BR	Ethnicity Group (NCHS)
NK1_BR-35	PHVS_Race_NCHS_BR	Race (NCHS)

NK1-2: Name (XPN_BR)

A name for the next of kin. Note, legal name is collected for both mother and father. The name used prior to first marriage (maiden name) is collected for the mother if applicable.

NK1-3: Relationship (CWE_BR)

Used to indicate whether information within the segment refers to the mother or to the father.

NK1-4: Address (XAD_BR)

One or more addresses for the next of kin. Birth place location is collected for both mother and father. Mailing and residence address may be collected for the mother.

NK1-16: Date/Time of Birth (DTM_BR_D)

Contains date of birth for the next of kin.

NK1-28: Ethnic Group (CWE_BR)

Information about the ethnicity claimed by the mother or father. Ethnicity information included in the transmissions from providers should be recorded at the greatest level of detail available. When multiple ethnicities are recorded, all the ethnicity information recorded should be sent. Please note that codes from the value set PHVS_EthnicityDetail_NCHS_BR may also be used.

NK1-33: Next of Kin/Associated Party's Identifiers (CX_BR_PER)

One or more identifiers assigned to the mother or father. Social security number may be collected for both mother and father. Medical record number may be recorded for the mother.

NK1-35: Race (CWE_BR)

Information about the race claimed by the mother or father.

5.4.6 NK1_BR_FW - NEXT OF KIN / ASSOCIATED PARTIES

The Next of Kin Segment (NK1) is used to capture identification and other relevant information for the mother and father in live birth and fetal death reporting. Information for the newborn or for the delivered fetus is captured within PID, and the parents are recorded as next of kin. The birth and fetal death reporting facility worksheets record minimal information for the mother, and nothing on the father. This segment flavor addresses those data.

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
1	Set ID - NK1	SI	R	[1..1]	
2	Name	XPN_BR	R	[1..2]	
3	Relationship	CWE_BR	R	[1..1]	0063
33	Next of Kin/Associated Party's Identifiers	CX_BR_PER	RE	[0..*]	

Conformance Statements

ID	Description
NK1_BR_001	For the first occurrence of the NK1 segment, the sequence number shall be one (1), for the second occurrence, the sequence number shall be two (2), etc
NK1_BR_002	If NK14.7 = "BDL" then street address, city, and zip code are optional within the XAD data type.
NK1_BR_FW-3	NK1-3 SHALL contain the constant value 'MTH' drawn from the code system 'HL70063'.

Value Set Bindings

Location	Value Set ID	Value Set Name	Single Code Value
NK1_BR_FW-3			MTH

NK1-2: Name (XPN_BR)

A name for the next of kin. Note, legal name is collected for both mother and father. The name used prior to first marriage (maiden name) is collected for the mother if applicable.

NK1-3: Relationship (CWE_BR)

Used to indicate whether information within the segment refers to the mother or to the father.

NK1-33: Next of Kin/Associated Party's Identifiers (CX_BR_PER)

One or more identifiers assigned to the mother or father. Social security number may be collected for both mother and father. Medical record number may be recorded for the mother.

5.4.7 OBX_BR - OBSERVATION/RESULT

The Observation/Result Segment (OBX) contains information regarding a single observation related to the person. It will be used to convey information related to the newborn or fetus, to the mother, or to pregnancy and delivery that is not conveyed in one of the other segments within this message design. The birth reporting flavor highlights the fields within the segment that are relevant to the implementation guide. The reader should note that the different conformance profiles defined for this implementation guide vary widely in the set of observations that is valid for the profile use case. As a result, a range of profile specific observation type value

sets have been defined. Within the IGAMT tool, this leads to definition of OBX flavors whose only point of variability is the applicable value set for OBX.3.

Message senders are to only include OBX segments for information that is present and being sent.

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_PSLBIObservationType_NCHS_BR
5	Observation Value	VARIES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

Conformance Statements

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

Conditional Predicates

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

Co-Constraints

IF (OBX-3)	Column	Value
THEN		
76060-3	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_FetalDeathCauseOrCondition_NCHS_BR
USER		
	Description	Death cause initiating condition.
	Comments	Coded value that indicates one or more diseases, injuries, or complications that were implicated as the initiating cause of fetal death. This data is provided by the jurisdiction using the Fetal Death Cause or Condition value set.
THEN		
76061-1	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value)	PHVS_FetalDeathCauseOrCondition_NCHS_BR

IF (OBX-3)	Column	Value
73820-3	Set)	
		USER
	Description	Death cause other significant conditions
	Comments	Coded value that provides information on a significant condition or conditions that contributed to death, but did not result in the underlying cause that is elsewhere described. This data is provided by the jurisdiction using the Fetal Death Cause or Condition value set.
		THEN
	OBX-2(Value)	CWE
73769-2	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_YesNoUnknown_CDC_BR
		USER
	Description	External cephalic version outcome
	Comments	A statement of whether or not an attempted conversion of a fetus from a non-vertex to a vertex presentation by external manipulation was successful.
		THEN
PHC1505	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_InfectionsDuringPregnancyFetalDeath_NCHS__BR
		USER
	Description	Infections present AndOr treated during the pregnancy for fetal death.
	Comments	Coded representation of infections present at the time of the pregnancy diagnosis or a confirmed diagnosis during the pregnancy with or without documentation of treatment.
88117-7		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_EthnicityDetail_NCHS_BR
		USER

IF (OBX-3)	Column	Value
	Description	Tabulated ethnicity^Mother
	Comments	The ethnicity code assigned by NCHS based on ethnicity information provided within a jurisdiction live birth or fetal death report.
88118-5	THEN	
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_EthnicityDetail_NCHS_BR
88119-3	USER	
	Description	Tabulated ethnicity^Father
	Comments	The ethnicity code assigned by NCHS based on ethnicity information provided within a jurisdiction live birth or fetal death report.
	THEN	
88120-1	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_Race_NCHS_BR
	USER	
88241-5	Description	Bridged race^Mother
	Comments	Used by the Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS) to report race data that has been adjusted in such a way that an individual is assigned a single race code. The adjustment process is used for persons for whom more than one race is reported. In such cases, a single race is assigned by using an algorithm defined by NCHS. The goal is to provide race statistics that are comparable with those used historically in order to facilitate time series analysis.
	THEN	
	OBX-2(Value)	CWE

IF (OBX-3)	Column	Value
87291-1	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_FetalRemainsDispositionMethod_NCHS_BR
	USER	
	Description	Fetal remains disposition method
	Comments	This term is used to indicate the disposition method for fetal remains as documented in the record of the fetus.
	THEN	
88081-5	OBX-2(Value)	XPN
	OBX-2(Flavor)	XPN_BR
	USER	
	Description	Mother's source of information
	Comments	If other than the mother, the name of the person providing information for the mother's worksheet.
	THEN	
30947-6	OBX-2(Value)	ST
	OBX-2(Flavor)	ST
	USER	
	Description	Person completing form title
	Comments	The title of the person completing the vital records report.
	THEN	
88080-7	OBX-2(Value)	DTM
	OBX-2(Flavor)	DTM_BR_D
	USER	
	Description	Date form completed
	Comments	The date on which the vital records report was completed.
	THEN	
11638-4	OBX-2(Value)	CX
	OBX-2(Flavor)	CX_BR
	USER	
	Description	Multiple birth set identifier
	Comments	This item is used by the vital records offices, and the National Center for Health Statistics to identify each multiple set of deliveries within a given state within a given year. Each live born member of the set (and each fetal death within the set) is assigned the same identification number. This concept code is used to enhance quality control, and to allow receivers of the data to more readily match members of multiple birth sets for data analysis.
	THEN	
OBX-2(Value)	NM	
	OBX-2(Flavor)	NM

IF (OBX-3)	Column	Value
		USER
	Description	Births.still living
	Comments	The total number of children still living at the time of report. For multiple deliveries, include all live-born infants delivered before this infant in the pregnancy.
		THEN
	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
		USER
57722-1	Description	Birth plurality
	Comments	The number of fetuses delivered live or dead at any time in the pregnancy regardless of gestational age, or if the fetuses were delivered at different dates in the pregnancy. Include all live births and fetal losses resulting from this pregnancy.
		THEN
	OBX-2(Value)	XON
	OBX-2(Flavor)	XON_BR
		USER
73777-5	Description	Name of facility mother transferred from
	Comments	The name of the facility from which the mother was transferred, if the mother was transferred to this facility based on maternal medical or fetal indications for delivery.
		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
74498-7	OBX-5(Value Set)	PHVS_YesNoNotApplicable_NCHS_BR
		USER
	Description	Autopsy or histological placental examination results were used
	Comments	A statement of whether autopsy or histological examination results were used in determining the cause of fetal death.
		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
73764-3	OBX-5(Value Set)	PHVS_BirthAttendantTitles_NCHS_BR
		USER
	Description	Birth attendant title
	Comments	The title of the person (attendant) responsible for delivering the child. The attendant at birth is defined as the individual physically present at the delivery who is responsible for the delivery. The associated value set defines the allowable values for the observation.
62330-6		THEN

IF (OBX-3)	Column	Value
62329-8	OBX-2(Value)	XON
	OBX-2(Flavor)	XON_BR
	USER	
	Description	Birth Hospital Facility Name
	Comments	The name of the facility in which delivery of the newborn or fetus took place.
	THEN	
9271-8	OBX-2(Value)	CX
	OBX-2(Flavor)	CX_BR
	USER	
	Description	Birth Hospital Facility Id
	Comments	The identifier of the facility in which delivery of the newborn or fetus took place.
	THEN	
9274-2	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
	USER	
	Description	10 minute Apgar Score
	Comments	A systematic measure for evaluating the physical condition of the infant at specific intervals following birth. If the score at 5 minutes is less than 6, it is necessary to enter the infant's Apgar score at 10 minutes. Otherwise the value is omitted.
	THEN	
73812-0	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
	USER	
	Description	5 minute Apgar Score
	Comments	A systematic measure for evaluating the physical condition of the infant at specific intervals following birth. Enter the infant's Apgar score at 5 minutes.
	THEN	
87302-6	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_NewbornAbnormalConditions_NCHS_BR
	USER	
	Description	Abnormal conditions of the newborn
	Comments	Disorders or significant morbidity experienced by the newborn infant
	THEN	
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_YesNoNotApplicable_NCHS_BR
	USER	

IF (OBX-3)	Column	Value
	Description	Acknowledgement of paternity signed
	Comments	A record of whether or not an acknowledgement of paternity was signed by the father.
73768-4	THEN	
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_AutopsyExamination_NCHS_BR
83846-6	USER	
	Description	Autopsy was performed
	Comments	Coded indication of whether or not an autopsy was performed or planned.
	THEN	
56077-1	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
	OBX-6(Value)	in
	USER	
8339-4	Description	Mother's body height
	Comments	The mother's height.
	THEN	
	OBX-2(Value)	NM
69461-2	OBX-2(Flavor)	NM
	OBX-6(Value)	lb
	USER	
	Description	Body weight ^ pre current pregnancy
73813-8	Comments	The mother's weight before becoming pregnant.
	THEN	
	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
8339-4	USER	
	Description	Body weight^at birth
	Comments	The infant's or fetus's weight at delivery.
	THEN	
69461-2	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
	OBX-6(Value)	lb
	USER	
73813-8	Description	Body weight^ at delivery
	Comments	The mother's weight at the time of delivery.
73813-8	THEN	

IF (OBX-3)	Column	Value
73780-9	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_LaborandDeliveryCharacteristics_NCHS_BR
	USER	
	Description	Characteristics of labor and delivery
	Comments	Information about the course of labor and delivery.
	THEN	
	OBX-2(Value)	CWE
69044-6	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_NewbornCongenitalAnomalies_NCHS_BR
	USER	
	Description	Congenital anomalies of the newborn
	Comments	Malformations of the newborn or of the delivered fetus as diagnosed prenatally or after delivery. This observation and its value set is used both for live birth and fetal death reporting.
	THEN	
68499-3	OBX-2(Value)	DTM
	OBX-2(Flavor)	DTM_BR_D
	USER	
	Description	Date first prenatal visit
	Comments	The date a physician or other health care professional first examined and/or counseled the pregnant woman for the pregnancy.
	THEN	
8665-2	OBX-2(Value)	DTM
	OBX-2(Flavor)	DTM_BR_MO
	USER	
	Description	Date last live birth
	Comments	The date of birth of the last live-born infant (month and year) excluding this delivery. Includes live-born infants now living and now dead. If this was a multiple delivery, include all live born infants who preceded the live born infant in this delivery. If first born, do not include this infant. If second born, include the first born. (Month and year should be provided.)
	THEN	
	OBX-2(Value)	DTM
	OBX-2(Flavor)	DTM_BR_YR
	USER	
	Description	Date last menstrual period
	Comments	The date the mother's last normal menstrual period began. (month, day and year.)

IF (OBX-3)	Column	Value	
68500-8		THEN	
	OBX-2(Value)	DTM	
	OBX-2(Flavor)	DTM_BR_YR	
		USER	
	Description	Date last other pregnancy outcome	
	Comments	The date that the last pregnancy that did not result in a live birth ended. Includes pregnancy losses at any gestation age. (month and year)	
87297-8		THEN	
	OBX-2(Value)	DTM	
	OBX-2(Flavor)	DTM_BR_D	
		USER	
	Description	Date of birth registration	
	Comments	The date on which the birth was registered.	
76061-1		THEN	
	OBX-2(Value)	CWE	
	OBX-2(Flavor)	CWE_BR	
	OBX-5(Value Set)	PHVS_FetalDeathCauseOrCondition_NCHS_BR	
		USER	
	Description	Death cause other significant conditions	
73779-1		Comments	Coded value that provides information on a significant condition or conditions that contributed to death, but did not result in the underlying cause that is elsewhere described. This data is provided by the jurisdiction using the Fetal Death Cause or Condition value set.
			THEN
		OBX-2(Value)	CWE
		OBX-2(Flavor)	CWE_BR
		OBX-5(Value Set)	PHVS_KaryotypeDownSyndrome_NCHS_BR
			USER
PHC1481		Description	Down syndrome karyotype status
		Comments	Coded indication of whether the newborn has a diagnosis of Down syndrome, Trisomy 21, confirmed or pending.
			THEN
		OBX-2(Value)	CWE
		OBX-2(Flavor)	CWE_BR
		OBX-5(Value Set)	PHVS_EstimateOfGestationEditFlags_NCHS_BR
			USER
		Description	Estimate of gestation edit flag

IF (OBX-3)	Column	Value
	Comments	A coded value that indicates whether the estimate of gestation data originally provided passed validation checks.
73811-2		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_FetalDeathTimePoints_NCHS_BR
		USER
	Description	Estimated time of fetal death
	Comments	Item to indicate when the fetus died with respect to labor and assessment. A coded indication that is used to specify when the fetus died with respect to labor and assessment. The associated value set defines the allowable values for the observation.
PHC1479		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_BirthdateEditFlags_NCHS_BR
		USER
	Description	Father's date of birth edit flag
	Comments	A coded value that indicates whether the estimate of father's date of birth originally provided passed validation checks.
87300-0		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_VitalRecordsEducationLevel_NCHS_BR
		USER
	Description	Father's education
	Comments	A record of the highest education level reached by the father.
PHC1480		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_EducationLevelEditFlags_NCHS_BR
		USER
	Description	Father's Education Edit Flag
	Comments	A coded value that indicates whether the estimate of father's education originally provided passed validation checks.
87296-0		THEN

IF (OBX-3)	Column	Value
73761-9	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
	OBX-6(Value)	a
	USER	
	Description	Father's reported age in years
	Comments	A record of the father's age at the time of birth or delivery.
	THEN	
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_FetalPresentations_NCHS_BR
11884-4	USER	
	Description	Fetal Presentation at Birth
	Comments	The presentation (orientations within the mother's womb) of the fetus immediately prior to delivery.
	THEN	
	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
	OBX-6(Value)	wk
	USER	
	Description	Gestational age
	Comments	The best obstetric estimate of the infant's gestation in completed weeks based on the birth attendant's final estimate of gestation. This estimate of gestation should be determined by all perinatal factors and assessments such as ultrasound, but not the neonatal exam. Ultrasound taken early in pregnancy is preferred. Do not complete solely based on the infant's date of birth and the mothers date of last menstrual period.
73762-7	THEN	
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_DeliveryRoutes_NCHS_BR
	USER	
	Description	Final Route and Method of Delivery
	Comments	Coded indication of the route by which the infant or fetus was delivered.
	THEN	
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_HistologicalPlacentalExamination_NCHS_BR

IF (OBX-3)	Column	Value
		USER
	Description	Histological placental examination was performed
	Comments	Coded indication of whether or not a histological placental examination was performed or planned.
		THEN
73760-1	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_YesNoUnknown_CDC_BR
		USER
	Description	If cesarean, a trial of labor was attempted
	Comments	Boolean indication (Yes/No/Unknown/Not Applicable) of whether a trial of labor was attempted when the final route and method of delivery is Cesarean.
		THEN
73756-9	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_YesNoUnknown_CDC_BR
		USER
	Description	Infant is being breastfed at discharge
	Comments	Boolean indicator (Yes/No/Unknown) that provides information on whether the infant is being breast-fed at discharge from the hospital.
		THEN
73757-7	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_YesNoUnknown_CDC_BR
		USER
	Description	Infant living at time of report
	Comments	Boolean indicator (Yes/No/Unknown) that provides information on whether or not the infant is known to be living at the time of report. The respondent is expected to answer "Yes" if the infant has already been discharged to home care. The value "UNK" is used if the infant has been transferred and the status is unknown.
		THEN
73758-5	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_YesNoUnknown_CDC_BR
		USER
	Description	Infant was transferred within 24 hours of delivery

IF (OBX-3)	Column	Value
	Comments	Boolean indicator (Yes/No/Unknown) that indicates whether the infant was transferred to a facility within 24 hours after delivery.
72519-2		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_InfectionsDuringPregnancyLiveBirth_NCHS_BR
		USER
	Description	Infections present and treated during this pregnancy for live birth
68496-9	Comments	Coded representation of infections present at the time of the pregnancy diagnosis or a confirmed diagnosis during the pregnancy with or without documentation of treatment.
		THEN
	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
		USER
	Description	Live births.now dead
73781-7	Comments	The total number of previous live-born infants now dead. For multiple deliveries include all live-born infants before this infant in the pregnancy who are now dead. If the first born, do not include this infant.
		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_MaternalMorbidities_NCHS_BR
		USER
87301-8	Description	Maternal morbidity
	Comments	Coded indication of whether a serious complication experienced by the mother was associated with labor and delivery.
		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_YesNoUnknown_CDC_BR
87303-4		USER
	Description	Mother Married at conception, birth, or between
	Comments	The marital status of the mother at birth, conception or any time in between.
		THEN
OBX-2(Value)	CWE	
	OBX-2(Flavor)	CWE_BR

IF (OBX-3)	Column	Value
73763-5	OBX-5(Value Set)	PHVS_YesNoUnknown_CDC_BR
	USER	
	Description	Mother Receive WIC food
	Comments	Did the mother receive WIC (Women, Infants & Children) food for herself because of being pregnant?
	THEN	
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
PHC1483	OBX-5(Value Set)	PHVS_YesNoUnknown_CDC_BR
	USER	
	Description	Mother was transferred for maternal medical or fetal indications for delivery
	Comments	Boolean indicator (Yes/No/Unknown) that indicates if the mother was transferred from another facility prior to delivery. Transfers include hospital to hospital, birth facility to hospital, etc. Does not include home to hospital.
	THEN	
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
PHC1482	OBX-5(Value Set)	PHVS_PregnancyReportEditFlags_NCHS_BR
	USER	
	Description	Mother's at delivery weight edit flag
	Comments	A coded value that indicates whether the estimate of mother's delivery weight originally provided passed validation checks.
	THEN	
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
57712-2	OBX-5(Value Set)	PHVS_PregnancyReportEditFlags_NCHS_BR
	USER	
	THEN	
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_VitalRecordsEducationLevel_NCHS_BR
	USER	

IF (OBX-3)	Column	Value
	Description	Mother's Education
	Comments	A record of the highest education level reached by the mother.
PHC1484		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_EducationLevelEditFlags_NCHS_BR
		USER
	Description	Mother's Education Edit Flag
	Comments	A coded value that indicates whether the estimate of mother's education level originally provided passed validation checks.
PHC1485		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_PregnancyReportEditFlags_NCHS_BR
		USER
	Description	Mother's height edit flag
	Comments	A coded value that indicates whether the estimate of mother's height originally provided passed validation checks.
PHC1486		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_PregnancyReportEditFlags_NCHS_BR
		USER
	Description	Mother's pre-pregnancy weight edit flag
	Comments	A coded value that indicates whether the estimate of mother's pre-pregnancy weight originally provided passed validation checks.
85724-3		THEN
	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
	OBX-6(Value)	a
		USER
	Description	Age of Mother - at delivery
	Comments	A record of the mother's age at the time of birth or delivery.
73770-0		THEN
	OBX-2(Value)	XON
	OBX-2(Flavor)	XON_BR
		USER

IF (OBX-3)	Column	Value
	Description	Name of facility infant transferred to
	Comments	The name of the facility the infant was transferred to. (Only value if the infant was transferred within 24 hours of delivery.)
73776-7	THEN	
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	USER	
	Description	No prenatal care
	Comments	An indicator of whether prenatal care was received by the mother. Record "Yes" if no care was received.
87298-6	THEN	
	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
	OBX-6(Value Set)	PHVS_TobaccoUseUnitOfMeasure_NCHS_BR
	USER	
	Description	Number of Cigarettes Smoked in 1st three months of pregnancy
87299-4	Comments	Either # of cigarettes or # or packs
	THEN	
	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
	OBX-6(Value Set)	PHVS_TobaccoUseUnitOfMeasure_NCHS_BR
	USER	
64794-1	Description	Number of Cigarettes Smoked in 2nd three months of pregnancy
	Comments	Either # of cigarettes or # or packs.
	THEN	
	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
	OBX-6(Value Set)	PHVS_TobaccoUseUnitOfMeasure_NCHS_BR
64795-8	USER	
	Description	Number of Cigarettes Smoked in 3 months prior to Pregnancy
	Comments	Either # of cigarettes or # or packs.
	THEN	
	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
	OBX-6(Value Set)	PHVS_TobaccoUseUnitOfMeasure_NCHS_BR
	USER	

IF (OBX-3)	Column	Value
	Description	Number of Cigarettes Smoked in third or last trimester
	Comments	Either # of cigarettes or # or packs.
		THEN
	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
		USER
	Description	Number of fetal deaths delivered
	Comments	Specify the number of fetal deaths in this delivery.
		THEN
	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
		USER
	Description	Number of infants in this delivery born alive
	Comments	Specify the number of live born in this delivery.
		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_PregnancyReportEditFlags_NCHS_BR
		USER
	Description	Number of prenatal care visits edit flag
	Comments	A coded value that indicates whether the estimate of the number of prenatal visits originally provided passed validation checks
		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_NumberOfPreviousCesareansEditFlags_NCHS_BR
		USER
	Description	Number of previous Cesareans edit flag
	Comments	A coded value that indicates whether the estimate of the number of previous Cesareans originally provided passed validation checks.
		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_ObstetricProcedures_NCHS_BR
		USER
	Description	Obstetric procedures performed
	Comments	Selected medical treatments or invasive / manipulative procedures performed

IF (OBX-3)	Column	Value
		during this pregnancy specifically for management of labor and / or delivery.
		THEN
	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
		USER
69043-8	Description	Other pregnancy outcomes
	Comments	Total number of other pregnancy outcomes that did not result in a live birth. Includes pregnancy losses of any gestation age. For multiple deliveries include all previous pregnancy losses before this infant in this pregnancy and in previous pregnancies.
73766-8		THEN
	OBX-2(Value)	CWE
73766-8	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_BirthDeliveryOccurred_NCHS_BR
		USER
	Description	Place where birth occurred
	Comments	Coded indication of the type of place where the birth or delivery occurred. The associated value set defines the allowable values for the observation.
73765-0		THEN
	OBX-2(Value)	CWE
73765-0	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_YesNoUnknown_CDC_BR
		USER
	Description	Planned to deliver at home
	Comments	Boolean indicator (Yes/No/Unknown) that indicates whether the mother intended to have a home birth. Only value this observation if the birth took place at home.
PHC1489		THEN
	OBX-2(Value)	CWE
PHC1489	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_PluralityEditFlags_NCHS_BR
		USER
	Description	Plurality edit flag
	Comments	A coded value that indicates whether the estimate of birth plurality originally provided passed validation checks.
68493-6		THEN
	OBX-2(Value)	NM
	OBX-2(Flavor)	NM

IF (OBX-3)	Column	Value
		USER
	Description	Prenatal visits for this pregnancy
	Comments	The total number of visits recorded in the record.
		THEN
	OBX-2(Value)	NM
	OBX-2(Flavor)	NM
		USER
	Description	Previous cesarean deliveries
	Comments	The number of previous cesarean deliveries.
		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_PregnancyRiskFactors_NCHS_BR
		USER
	Description	Risk Factors in this Pregnancy
	Comments	Selected medical risk factors of the mother during this pregnancy
		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_KaryotypeSuspectedChromosomalDisorder_NCHS_BR
		USER
	Description	Suspected chromosomal disorder karyotype status
	Comments	Coded indication of whether the newborn has a diagnosis of suspected chromosomal disorder is confirmed or pending (may include Trisomy 21).
		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_YesNo_HL7_2x
		USER
	Description	Baby name not yet chosen
	Comments	An indicator that the name for a newborn baby has not yet been chosen. Enter "Yes" if no name has been chosen
		THEN
	OBX-2(Value)	XCN
	OBX-2(Flavor)	XCN_BR_PR
		USER
	Description	Birth attendant details

IF (OBX-3)	Column	Value
	Comments	Name and identifier information for the person attending the birth.
87287-9		THEN
	OBX-2(Value)	XCN
	OBX-2(Flavor)	XCN_BR_PR
		USER
	Description	Birth certifier details
	Comments	Name and identifier information for the person certifying the birth.
87288-7		THEN
	OBX-2(Value)	DTM
	OBX-2(Flavor)	DTM_BR_D
		USER
	Description	Date birth certified
	Comments	The date the birth was certified by the certifying professional.
87289-5		THEN
	OBX-2(Value)	DTM
	OBX-2(Flavor)	DTM_BR_D
		USER
	Description	Date of fetal death registration
	Comments	The date the fetal death was registered at the jurisdictional vital statistics office.
87293-7		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_InformantRelationshiptoMother_NCHS_BR
		USER
	Description	Relationship of person providing information for mother's worksheet
87295-2	Comments	The relationship between the mother and the person providing information for the mother's worksheet.
		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_YesNo_HL7_2x
		USER
87290-3	Description	Request Social Security Number for Newborn
	Comments	An indicator of whether or not the mother requests that a social security number be assigned to the child.
87290-3		THEN
	OBX-2(Value)	DTM
	OBX-2(Flavor)	DTM_BR_D

IF (OBX-3)	Column	Value
		USER
	Description	SSN request date
	Comments	The date of the request for a Social Security Number.
		THEN
	OBX-2(Value)	ST
	OBX-2(Flavor)	ST
		USER
	Description	SSN request signature
	Comments	The name of the person who authorizes the social security number request.
		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_BirthWeightEditFlags_NCHS_BR
		USER
	Description	Birthweight edit flag
	Comments	A coded value to indicate whether the entry for the weight of the live born infant or fetus passed edit checks.
		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_CauseOfFetalDeath_ICD-10_CDC_BR
		USER
	Description	Death cause other significant conditions
	Comments	Coded value that provides information on a significant condition or conditions that contributed to death, but did not result in the underlying cause that is elsewhere described. This data is returned to the jurisdiction as an ICD 10 code.
		THEN
	OBX-2(Value)	CWE
	OBX-2(Flavor)	CWE_BR
	OBX-5(Value Set)	PHVS_CauseOfFetalDeath_ICD-10_CDC_BR
		USER
	Description	Initiating cause of death or condition
	Comments	Coded value that indicates one or more diseases, injuries, or complications that were implicated as the initiating cause of fetal death. This data is returned to the jurisdiction as an ICD 10 code.

Value Set Bindings

Location	Value Set ID	Value Set Name
OBX_BR-2	0125	Value Type
OBX_BR-3	PHVS_PSLBIObservationType_NCHS_BR	PSLBI Observation Type (NCHS)

The set of valid observation types for birth and fetal death reporting is represented by a "co-constraint" within the IGAMT tooling.

OBX-2: Value Type (ID)

This field identifies the data type used for OBX.5. The value set assigned to the field is Table 0125 which lists all the HL7 defined data types. However, for this implementation guide, only those data types that are defined within the OBX "co-constraint" table need to be supported.

OBX-3: Observation Identifier (CWE_BR)

Unique identifier for the type of observation. This field provides a code for the type of observation.

Observation codes are either drawn from LOINC or are PHIN local codes. Code system codes are provided within the CWE data type for this field.

OBX-5: Observation Value (VARIES)

The content of the observation. The data type will vary depending on observation ID.

OBX-6: Units (CWE_BR)

The unit of measure applicable to observation value. Unit is provided when needed to provide context for a physical quantity.

OBX-11: Observation Result Status (ID)

The field is used to record whether an observation value has been provided (The question has been answered.).

5.4.8 OBX_BR_CCOFDIA04-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_CCOFDIObservationType_NCHS_BR
5	Observation Value	VARIES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation	ID	R	[1..1]	

Seq	Element name	Data type	Usage	Cardinality	Value Set
	Result Status				

5.4.9 OBX_BR_CCOFDIA08-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_CCOFDIObservationType_NCHS_BR
5	Observation Value	VARIABLES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.10 OBX_BR_CREIFDA04-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_CREIObservationType_NCHS_BR
5	Observation Value	VARIABLES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.11 OBX_BR_CREIFDA08-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_CREIObservationType_NCHS_BR
5	Observation Value	VARIABLES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.12 OBX_BR_CREILBA04-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_CREIObservationType_NCHS_BR
5	Observation Value	VARIABLES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.13 OBX_BR_CREILBA08-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_CREIObservationType_NCHS_BR
5	Observation Value	VARIABLES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.14 OBX_BR_JFDIA04-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_JFDIObservationType_NCHS_BR
5	Observation Value	VARIABLES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.15 OBX_BR_JFDIA08-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_JFDIObservationType_NCHS_BR
5	Observation Value	VARIABLES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.16 OBX_BR_JLBIA04-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_JLBIObservationType_NCHS_BR
5	Observation Value	VARIABLES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.17 OBX_BR_JLBIA08-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_JLBIObservationType_NCHS_BR
5	Observation Value	VARIABLES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.18 OBX_BR_PSFdia04-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_PSFDIObservationType_NCHS_BR
5	Observation Value	VARIES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.19 OBX_BR_PSF DIA08-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_PSFDIObservationType_NCHS_BR
5	Observation Value	VARIES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.20 OBX_BR_PSFF DIA04-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_PSFFDIObservationType_NCHS_BR
5	Observation Value	VARIES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.21 OBX_BR_PSFF DIA08-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125

Seq	Element name	Data type	Usage	Cardinality	Value Set
3	Observation Identifier	CWE_BR	R	[1..1]	0125
5	Observation Value	VARIABLES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.22 OBX_BR_PSFLBIA04-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_PSFLBIObservation Type _NCHS_BR
5	Observation Value	VARIABLES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.23 OBX_BR_PSFLBIA08-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_PSFLBIObservation Type _NCHS_BR
5	Observation Value	VARIABLES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.24 OBX_BR_PSLBIA04-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_PSLBIObservationType _NCHS_BR

Seq	Element name	Data type	Usage	Cardinality	Value Set
5	Observation Value	VARIABLES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.25 OBX_BR_PSLBIA08-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_PSLBIObservationType_NCHS_BR
5	Observation Value	VARIABLES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.26 OBX_BR_PSMFDIA04-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_PSMFDIObservationType_NCHS_BR
5	Observation Value	VARIABLES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.27 OBX_BR_PSMFDIA08-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_PSMFDIObservationType_NCHS_BR
5	Observation Value	VARIABLES	R	[1..1]	

Seq	Element name	Data type	Usage	Cardinality	Value Set
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.28 OBX_BR_PSMLBIA04-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_PSMLBIObservationType_NCHS_BR
5	Observation Value	VARIABLES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.29 OBX_BR_PSMLBIA08-1 - OBSERVATION/RESULT

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Value Type	ID	R	[1..1]	0125
3	Observation Identifier	CWE_BR	R	[1..1]	PHVS_PSMLBIObservationType_NCHS_BR
5	Observation Value	VARIABLES	R	[1..1]	
6	Units	CWE_BR	C	[0..1]	
11	Observation Result Status	ID	R	[1..1]	

5.4.30 PID_BR_DL - PATIENT IDENTIFICATION

The Patient Identification Segment (PID) includes basic demographics. The delivery reporting flavor highlights the fields within the segment that are relevant to its use within conformance profiles defined for this implementation guide which convey relevant demographic information for the baby or fetus. The PID BR_DL flavor is used to capture information about the baby in live birth reporting, and for the fetus in fetal death reporting.

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set

Seq	Element name	Data type	Usage	Cardinality	Value Set
3	Patient Identifier List	CX_BR_PER	R	[1..3]	
5	Patient Name	XPN_BR	R	[1..*]	
7	Date/Time of Birth	DTM_BR_M	R	[1..1]	
8	Administrative Sex	IS	R	[1..1]	PHVS_Sex_MFU_BR
11	Patient Address	XAD_BR	RE	[0..1]	
24	Multiple Birth Indicator	ID	RE	[0..1]	PHVS_YesNo_HL7_2x
25	Birth Order	NM	C	[0..1]	

Conformance Statements

ID	Description
PID_BR_LB_001	The value of PID-1 (Set ID - PID) SHALL be '1'.
PID_BR_LB_002	The value of PID-11.7 (Address Type) is 'BDL'.

Conditional Predicates

Location	Usage	Description
PID-25	C(RE/X)	If the value of PID-24 (Multiple Birth Indicator) is 'Y'.

Value Set Bindings

Location	Value Set ID	Value Set Name
PID_BR_DL-8	PHVS_Sex_MFU_BR	Sex (MFU)
PID_BR_DL-24	PHVS_YesNo_HL7_2x	Yes No Indicator (HL7)

PID-3: Patient Identifier List (CX_BR_PER)

An identifier for the delivered baby or fetus. This will be the medical record number (ID Type = MR) if available. It is possible that no identifier has been assigned to the live born baby, and it is unlikely for there to be one for the fetus. The Identifier Type Code "U" unspecified identifier should be used as the only component valued within the CX data type if no other identifier type is available.

PID-5: Patient Name (XPN_BR)

The name for the newborn or fetus. When the name is not provided (This is likely for a delivered fetus.), a value must still be placed in this field since the field is required. In that case, HL7 recommends the following:
|~^^^^^U|. The "U" for the name type code in the second name indicates that it is unspecified. Since there may be no name components populated, this means there is no legal name, nor is there an alias. This guide will interpret this sequence to mean there is no newborn or fetus name.

PID-7: Date/Time of Birth (DTM_BR_M)

The Date of birth for the newborn, or the date of delivery for the fetus.

PID-8: Administrative Sex (IS)

The sex of the newborn or fetus.

PID-11: Patient Address (XAD_BR)

Information on the place of birth or delivery for the newborn or fetus. This will typically include the city town or location, county, state, and zip code for the facility where delivered. If delivery does not take place in an institution, street address is to be provided as well.

PID-24: Multiple Birth Indicator (ID)

If the multiple birth order is not provided, delivery of a single newborn or fetus is assumed.

PID-25: Birth Order (NM)

Information on birth order is collected in cases of a multiple delivery.

5.4.31 PID_BR_ID - PATIENT IDENTIFICATION

The Patient Identification Segment (PID) includes basic demographics. The birth reporting flavor highlights the fields within the segment that are relevant to the implementation guide. For void certificate reporting, and for reporting coded fetal cause of death, a more specialized flavor has been created to identify the certificate that data is being conveyed about.

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
3	Patient Identifier List	CX_BR_ID	R	[1..*]	
5	Patient Name	XPN_BR	R	[1..*]	
7	Date/Time of Birth	DTM_BR_D	R	[1..1]	
11	Patient Address	XAD_BR_ID	R	[1..*]	

Conformance Statements

ID	Description
PID_BR_ID_001	The value of PID-1 (Set ID - PID) SHALL be '1'.

PID-3: Patient Identifier List (CX_BR_ID)

An identifier for the birth certificate or fetal death report.

PID-5: Patient Name (XPN_BR)

The PID within the conformance profiles that use this PID flavor identify a birth certificate of fetal death report,

and no person name is provided. Message creators should follow the HL7 recommended convention by including |~^^^^^U| as the value for this field.

PID-11: Patient Address (XAD_BR_ID)

Patient address (registering jurisdiction) is used as an element of identifying the certificate or report.

5.4.32 PV1_BR - PATIENT VISIT

The Patient Visit Segment (PV1) is a required segment for the ADT messages. It is used to support data elements that appear to be related to the birth or delivery encounter.

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Patient Class	IS	R	[1..1]	

Conformance Statements

ID	Description
PV1_BR_001	The value of PV1-2 (Patient Class) SHALL be 'N'.

PV1-2: Patient Class (IS)

This required field is used by systems to categorize patients by site. A fixed value is used by birth and fetal death reporting.

5.4.33 PV1_BR_LB - PATIENT VISIT

The Patient Visit Segment (PV1) is a required segment for the ADT messages. It is used to support data elements that appear to be related to the birth or delivery encounter. The live birth flavor is used to support collection of information on the source of payment for the delivery.

Segment Definition

Seq	Element name	Data type	Usage	Cardinality	Value Set
2	Patient Class	IS	R	[1..1]	
20	Financial Class	FC_BR	RE	[0..1]	

Conformance Statements

ID	Description
PV1_BR_001	The value of PV1-2 (Patient Class) SHALL be 'N'.

PV1-2: Patient Class (IS)

This required field is used by systems to categorize patients by site. A fixed value is used by birth and fetal death reporting.

PV1-20: Financial Class (FC_BR)

Indicates the principle source of payment for the delivery. The usage for this field is defined as "RE". It is used within some of the conformance profiles, but not in others.

5.5 Datatypes

5.5.1 CWE_BR - CODED WITH EXCEPTIONS

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	Identifier	ST	R	
2	Text	ST	RE	
3	Name of Coding System	ID	R	
4	Alternate Identifier	ST	O	
5	Alternate Text	ST	O	
6	Name of Alternate Coding System	ID	O	
7	Coding System Version ID	ST	O	
8	Alternate Coding System Version ID	ST	O	
9	Original Text	ST	RE	

5.5.2 CX_BR - EXTENDED COMPOSITE ID WITH CHECK DIGIT

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	ID Number	ST	R	
2	Identifier Check Digit	ST	O	
3	Check Digit Scheme	ID	O	
4	Assigning Authority	HD_BR	R	
5	Identifier Type Code	ID	R	
6	Assigning Facility	HD	O	
7	Effective Date	DT	O	
8	Expiration Date	DT	O	
9	Assigning Jurisdiction	CWE	O	
10	Assigning Agency or Department	CWE	O	

Component Definitions

CX.4 : Assigning Authority

The assigning authority is a unique name of the system (or organization or agency or department) that created the identifier value. It should be provided to help guarantee the uniqueness of the identifier.

CX.5 : Identifier Type Code

The code value indicates the type of identifier to be passed. The birth reporting value set will include the following concepts: social security number, medical record number, national provider id, birth certificate ID, birth certificate file number, fetal death report ID, and fetal death report file number. The value set is being implemented within PHIN VADS.

5.5.3 CX_BR_ID - EXTENDED COMPOSITE ID WITH CHECK DIGIT

The CX_BR_ID flavor is used to record identifiers used within the PID segment for identifying birth certificates or fetal death reports.

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	ID Number	ST	R	
2	Identifier Check Digit	ST	O	
3	Check Digit Scheme	ID	O	
4	Assigning Authority	HD_BR	R	
5	Identifier Type Code	ID	R	PHVS_JurisdictionCertificateIDType_NCHS_BR
6	Assigning Facility	HD	O	
7	Effective Date	DT	O	
8	Expiration Date	DT	O	
9	Assigning Jurisdiction	CWE	O	
10	Assigning Agency or Department	CWE	O	

Value Set Bindings

Location	Value Set ID	Value Set Name
CX_BR_ID-5	PHVS_JurisdictionCertificateIDType_NCHS_BR	Jurisdiction Certificate ID Type (NCHS)

Component Definitions

CX.4 : Assigning Authority

The assigning authority is a unique name of the system (or organization or agency or department) that created the identifier value. It should be provided to help guarantee the uniqueness of the identifier.

CX.5 : Identifier Type Code

The code value indicates the type of identifier to be passed. The birth reporting value set will include the following concepts: social security number, medical record number, national provider id, birth certificate ID, birth certificate file number, fetal death report ID, and fetal death report file number. The value set is being implemented within PHIN VADS.

5.5.4 CX_BR_PER - EXTENDED COMPOSITE ID WITH CHECK DIGIT

The CX_BR_PER flavor is used to record identifiers used within the PID and NK1 segments for persons: live born infant, mother, and father. For jurisdiction reporting, certificate id types for both infant and fetus are included.

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	ID Number	ST	RE(R/X)	
2	Identifier Check Digit	ST	O	
3	Check Digit Scheme	ID	O	
4	Assigning Authority	HD_BR	C(R/X)	
5	Identifier Type Code	ID	R	PHVS_BirthReportingAssociatedPartyIDType_NCHS_BR
6	Assigning Facility	HD	O	
7	Effective Date	DT	O	
8	Expiration Date	DT	O	
9	Assigning Jurisdiction	CWE	O	
10	Assigning Agency or Department	CWE	O	

Conditional Predicates

Location	Usage	Description
CX.1	C(R/X)	If the value of CX.5 (Identifier Type Code) is not 'U'.
CX.4	C(R/X)	If the value of CX.5 (Identifier Type Code) is not 'U'.

Value Set Bindings

Location	Value Set ID	Value Set Name
CX_BR_PER-5	PHVS_BirthReportingAssociatedPartyIDType_NCHS_BR	Birth Reporting Associated Party ID Type (NCHS)

Component Definitions

CX.1 : ID Number

If there is no identifier to be provided, the ID type "U" is sent to meet the requirement that the field not be empty. In this case, there is no value within the first component of the field.

CX.4 : Assigning Authority

The assigning authority is a unique name of the system (or organization or agency or department) that created the identifier value. It should be provided to help guarantee the uniqueness of the identifier.

CX.5 : Identifier Type Code

The code value indicates the type of identifier to be passed. The birth reporting value set will include the following concepts: social security number, medical record number, national provider id, birth certificate ID, birth certificate file number, fetal death report ID, and fetal death report file number. The value set is being implemented within PHIN VADS.

5.5.5 DTM_BR_D - DATE/TIME

A flavor of the DTM data type that supports precision at the level of year, month, and day.

Data Type Definition

#	Value	Usage	Predicate
1	YYYY	R	
2	MM	R	
3	DD	R	
4	HH	O	

#	Value	Usage	Predicate
5	MM	C(O/X)	If HH(Hour) is valued.
6	SS	C(O/X)	If MM(Minute) is valued.
7	s	C(O/X)	If SS(Second) is valued.
8	s	C(O/X)	If s(1/10 second) is valued.
9	s	C(O/X)	If s(1/100 second) is valued.
10	s	C(O/X)	If s(1/1000 second) is valued.
11	ZZZZ	O	

5.5.6 DTM_BR_M - DATE/TIME

A flavor of the DTM data type that supports precision at the level of year, month, day, hour and minute.

Data Type Definition

#	Value	Usage	Predicate
1	YYYY	R	
2	MM	R	
3	DD	R	
4	HH	R	
5	MM	R	
6	SS	O	
7	s	C(O/X)	If SS(Second) is valued.
8	s	C(O/X)	If s(1/10 second) is valued.
9	s	C(O/X)	If s(1/100 second) is valued.
10	s	C(O/X)	If s(1/1000 second) is valued.
11	ZZZZ	O	

5.5.7 DTM_BR_MO - DATE/TIME

A flavor of the DTM data type that supports precision at the level of year and month.

Data Type Definition

#	Value	Usage	Predicate
1	YYYY	R	
2	MM	R	
3	DD	O	
4	HH	C(O/X)	If DD(Day) is valued.
5	MM	C(O/X)	If HH(Hour) is valued.
6	SS	C(O/X)	If MM(Minute) is valued.
7	s	C(O/X)	If SS(Second) is valued.

#	Value	Usage	Predicate
8	s	C(O/X)	If s(1/10 second) is valued.
9	s	C(O/X)	If s(1/100 second) is valued.
10	s	C(O/X)	If s(1/1000 second) is valued.
11	ZZZZ	O	

5.5.8 DTM_BR_S - DATE/TIME

A flavor of the DTM data type that supports precision at the level of year, month, day, hour, minute, and second.

Data Type Definition

#	Value	Usage	Predicate
1	YYYY	R	
2	MM	R	
3	DD	R	
4	HH	R	
5	MM	R	
6	SS	R	
7	s	O	
8	s	C(O/X)	If s(1/10 second) is valued.
9	s	C(O/X)	If s(1/100 second) is valued.
10	s	C(O/X)	If s(1/1000 second) is valued.
11	ZZZZ	O	

5.5.9 DTM_BR_YR - DATE/TIME

A flavor of the DTM data type that supports precision at the level of year.

Data Type Definition

#	Value	Usage	Predicate
1	YYYY	R	
2	MM	O	
3	DD	C(O/X)	If MM(Month) is valued.
4	HH	C(O/X)	If DD(Day) is valued.
5	MM	C(O/X)	If HH(Hour) is valued.
6	SS	C(O/X)	If MM(Minute) is valued.
7	s	C(O/X)	If SS(Second) is valued.
8	s	C(O/X)	If s(1/10 second) is valued.
9	s	C(O/X)	If s(1/100 second) is valued.

#	Value	Usage	Predicate
10	s	C(O/X)	If s(1/1000 second) is valued.
11	ZZZZ	O	

5.5.10 EI_BR - ENTITY IDENTIFIER

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	Entity Identifier	ST	R	
2	Namespace ID	IS	RE	
3	Universal ID	ST	RE	
4	Universal ID Type	ID	C(R/X)	

Conditional Predicates

Location	Usage	Description
EI.4	C(R/X)	If EI.3 (Universal ID) is valued

5.5.11 FC_BR - FINANCIAL CLASS

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	Financial Class Code	IS	R	PHVS_BirthAndFetalDeathFinancialClass_NCHS_BR
2	Effective Date	DTM	O	

Value Set Bindings

Location	Value Set ID	Value Set Name
FC_BR-1	PHVS_BirthAndFetalDeathFinancialClass_NCHS_BR	Birth and Fetal Death Financial Class (NCHS)

5.5.12 FN - FAMILY NAME

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	Surname	ST	R	
2	Own Surname Prefix	ST	O	
3	Own Surname	ST	O	
4	Surname Prefix from Partner/Spouse	ST	O	
5	Surname from Partner/Spouse	ST	O	

5.5.13 HD - HIERARCHIC DESIGNATOR

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	Namespace ID	IS	O	0300
2	Universal ID	ST	C	
3	Universal ID Type	ID	C	0301

Value Set Bindings

Location	Value Set ID	Value Set Name	Single Code Value
HD-1	0300	Namespace ID	
HD-3	0301	Universal ID type	

5.5.14 HD_BR - HIERARCHIC DESIGNATOR

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	Namespace ID	IS	R	
2	Universal ID	ST	RE	
3	Universal ID Type	ID	C(R/X)	

Conformance Statements

ID	Description
HD_BR_001	The value of HD-3 (Universal ID Type) SHALL be 'ISO'.
HD_BR_002	The value of HD-2 (Universal ID) shall be populated with an ISO compliant OID.

Conditional Predicates

Location	Usage	Description
HD.3	C(R/X)	If HD.2 (Universal ID) is valued

5.5.15 HD_BR_AA - HIERARCHIC DESIGNATOR

The Assigning Authority data type flavor is used in cases in which an OID is assigned to designate an assigning authority. If the implementer does not have the needed OID already assigned, HL7 should be contacted for guidance.

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	Namespace ID	IS	O	
2	Universal ID	ST	R	
3	Universal ID Type	ID	R	

Conformance Statements

ID	Description
HD_BR_AA_001	The value of HD-2 (Universal ID) shall be populated with an ISO compliant OID.
HD_BR_AA_002	The value of HD-3 (Universal ID Type) SHALL be 'ISO'.

5.5.16 ID - CODED VALUE FOR HL7 DEFINED TABLES

5.5.17 IS - CODED VALUE FOR USER-DEFINED TABLES

5.5.18 MSG_BR - MESSAGE TYPE

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	Message Code	ID	R	
2	Trigger Event	ID	R	
3	Message Structure	ID	R	

MSG.3 : Message Structure

The set of message structures to be used within birth and fetal death reporting is being defined as a value set within PHIN VADS.

5.5.19 NM - NUMERIC

5.5.20 PT_BR - PROCESSING TYPE

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	Processing ID	ID	R	PHVS_ProcessingID_HL7_2x_BR
2	Processing Mode	ID	O	

Value Set Bindings

Location	Value Set ID	Value Set Name
PT_BR-1	PHVS_ProcessingID_HL7_2x_BR	Processing ID (HL7)

5.5.21 SAD_BR - STREET ADDRESS

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	Street or Mailing Address	ST	R	
2	Street Name	ST	O	
3	Dwelling Number	ST	O	

5.5.22 SI - SEQUENCE ID

5.5.23 ST - STRING DATA

5.5.24 VID_BR - VERSION IDENTIFIER

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	Version ID	ID	R	
2	Internationalization Code	CWE	O	
3	International Version ID	CWE	O	

Conformance Statements

ID	Description
VID_BR_001	The value of VID-1 (Version ID) SHALL be '2.6'.

5.5.25 XAD_BR - EXTENDED ADDRESS

This data type is used to support information about an address that is relevant to birth and fetal death reporting. Note, in those cases in which a delivery takes place in a conveyance, e.g., automobile, the address of the facility the mother and baby are taken to is recorded. In those cases where no address data is available, the Other Geographic Designation component is used to hold relevant descriptive text.

Birthplace information is collected for the delivered newborn or fetus, for the mother, and for the father. For mother and father birthplace, state and country alone are recorded. For the newborn or fetus, street address will only be collected if the delivery does not take place within a facility.

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	Street Address	SAD_BR	RE	
2	Other Designation	ST	RE	
3	City	ST	RE	PHVS_CityPlaces_NCHS_BR
4	State or Province	ST	RE	PHVS_StatesTerritoriesProvinces_NCHS_BR
5	Zip or Postal Code	ST	RE	
6	Country	ID	R	PHVS_Country_GEC_BR
7	Address Type	ID	R	PHVS_BirthReportingAddressType_NCHS
8	Other Geographic Designation	ST	RE	
9	County/Parish Code	IS	RE	PHVS_County_FIPS_6-4_BR
10	Census Tract	IS	O	
11	Address Representation Code	ID	O	

Seq	Element name	Data type	Usage	Value Set
12	Address Validity Range	DR	O	
13	Effective Date	DTM	O	
14	Expiration Date	DTM	O	
15	Expiration Reason	CWE	O	
16	Temporary Indicator	ID	O	
17	Bad Address Indicator	ID	O	
18	Address Usage	ID	O	
19	Addressee	ST	O	
20	Comment	ST	O	
21	Preference Order	NM	O	
22	Protection Code	CWE	O	
23	Address Identifier	EI	O	

Value Set Bindings

Location	Value Set ID	Value Set Name
XAD_BR-3	PHVS_CityPlaces_NCHS_BR	City Places (NCHS)
XAD_BR-4	PHVS_StatesTerritoriesProvinces_NCHS_BR	States Territories Provinces (NCHS)
XAD_BR-6	PHVS_Country_GEC_BR	Country (GEC)
XAD_BR-7	PHVS_BirthReportingAddressType_NCHS	Birth Reporting Address Type (NCHS)
XAD_BR-9	PHVS_County_FIPS_6-4_BR	County

Component Definitions

XAD.2 : Other Designation

Other designation is to be used for descriptive information lying outside of the boundaries of a postal address.

XAD.3 : City

City information may be entered as text for reporting from the provider to the jurisdiction; however, the text data is transformed to a coded form prior to transmission to NCHS. Codes are drawn from the City Places value set.

XAD.4 : State or Province

State information may be entered as text for reporting from the provider to the jurisdiction; however, the text data is transformed to a coded form prior to transmission to NCHS. Codes are drawn from the States Territories Provinces (NCHS) value set.

XAD.8 : Other Geographic Designation

Used for descriptive information relating to a place of birth or delivery of a fetus. For a street address, it includes the designation of whether or not the address falls within city limits.

XAD.9 : County/Parish Code

County information may be entered as text for reporting from the provider to the jurisdiction; however, the text data is transformed to a coded form prior to transmission to NCHS.

Comments

XAD_BR.10:

5.5.26 XAD_BR_ID - EXTENDED ADDRESS

This data type is used to support information about an address that is relevant to identification of a birth certificate or fetal death report. It contains the jurisdiction - state or territory - within which the birth or fetal death is reported. This information is used for identification along with birth or delivery date and certificate number.

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	Street Address	SAD_BR	O	
2	Other Designation	ST	O	
3	City	ST	O	
4	State or Province	ST	RE	PHVS_StatesTerritoriesProvinces_NCHS_BR
5	Zip or Postal Code	ST	O	
6	Country	ID	R	PHVS_Country_GEC_BR
7	Address Type	ID	R	PHVS_BirthReportingAddressType_NCHS
8	Other Geographic Designation	ST	RE	
9	County/Parish Code	IS	O	
10	Census Tract	IS	O	
11	Address Representation Code	ID	O	

Seq	Element name	Data type	Usage	Value Set
12	Address Validity Range	DR	O	
13	Effective Date	DTM	O	
14	Expiration Date	DTM	O	
15	Expiration Reason	CWE	O	
16	Temporary Indicator	ID	O	
17	Bad Address Indicator	ID	O	
18	Address Usage	ID	O	
19	Addressee	ST	O	
20	Comment	ST	O	
21	Preference Order	NM	O	
22	Protection Code	CWE	O	
23	Address Identifier	EI	O	

Conformance Statements

ID	Description
XAD_BR_ID.7	XAD.7 SHALL contain the constant value 'BDL' drawn from the code system 'HL70190'.

Value Set Bindings

Location	Value Set ID	Value Set Name	Single Code Value
XAD_BR_ID-4	PHVS_StatesTerritoriesProvinces_NCHS_BR	States Territories Provinces (NCHS)	
XAD_BR_ID-6	PHVS_Country_GEC_BR	Country (GEC)	
XAD_BR_ID-7			BDL

Component Definitions

XAD.2 : Other Designation

Other designation is to be used for descriptive information lying outside of the boundaries of a postal address.

XAD.3 : City

City information may be entered as text for reporting from the provider to the jurisdiction; however, the text data is transformed to a coded form prior to transmission to NCHS. Codes are drawn from the City Places value set.

XAD.4 : State or Province

State information may be entered as text for reporting from the provider to the jurisdiction; however, the text data is transformed to a coded form prior to transmission to NCHS. Codes are drawn from the States Territories Provinces (NCHS) value set.

XAD.8 : Other Geographic Designation

Used for descriptive information relating to a place of birth or delivery of a fetus.

XAD.9 : County/Parish Code

County information may be entered as text for reporting from the provider to the jurisdiction; however, the text data is transformed to a coded form prior to transmission to NCHS.

5.5.27 XCN_BR_PR - EXTENDED COMPOSITE ID NUMBER AND NAME FOR PERSONS

The BR_PR flavor of the XCN data type constrains identifier type to be NPI - national provider ID.

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	ID Number	ST	RE	
2	Family Name	FN	RE	
3	Given Name	ST	RE	
4	Second and Further Given Names or Initials Thereof	ST	RE	
5	Suffix (e.g., JR or III)	ST	RE	
6	Prefix (e.g., DR)	ST	RE	
7	Degree (e.g., MD)	IS	O	
8	Source Table	IS	O	
9	Assigning Authority	HD_BR_AA	C(R/X)	
10	Name Type Code	ID	O	
11	Identifier Check Digit	ST	O	
12	Check Digit Scheme	ID	O	
13	Identifier Type Code	ID	C(R/X)	
14	Assigning Facility	HD	O	
15	Name Representation Code	ID	O	
16	Name Context	CWE	O	

Seq	Element name	Data type	Usage	Value Set
17	Name Validity Range	DR	O	
18	Name Assembly Order	ID	O	
19	Effective Date	DTM	O	
20	Expiration Date	DTM	O	
21	Professional Suffix	ST	O	
22	Assigning Jurisdiction	CWE	O	
23	Assigning Agency or Department	CWE	O	

Conformance Statements

ID	Description
XCN_BR_PR_001	The value of XCN-13 (Identifier Type Code) SHALL be 'NPI'.

Conditional Predicates

Location	Usage	Description
XCN.13	C(R/X)	If XCN.1 (ID Number) is valued
XCN.9	C(R/X)	If XCN.1 (ID Number) is valued

5.5.28 XON_BR - EXTENDED COMPOSITE NAME AND IDENTIFICATION NUMBER FOR ORGANIZATIONS

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	Organization Name	ST	C(RE/R)	
2	Organization Name Type Code	IS	O	
3	ID Number	NM	O	
4	Identifier Check Digit	NM	O	
5	Check Digit Scheme	ID	O	
6	Assigning Authority	HD	C(R/X)	
7	Identifier Type Code	ID	C(R/X)	
8	Assigning Facility	HD	O	
9	Name Representation Code	ID	O	
10	Organization Identifier	ST	RE	

Conditional Predicates

Location	Usage	Description
XON.1	C(RE/R)	If XON.10 (Organization Identifier) is valued
XON.6	C(R/X)	If XON.10 (Organization Identifier) is valued
XON.7	C(R/X)	If XON.10 (Organization Identifier) is valued

5.5.29 XPN_BR - EXTENDED PERSON NAME

Data Type Definition

Seq	Element name	Data type	Usage	Value Set
1	Family Name	FN	C(R/O)	
2	Given Name	ST	C(R/O)	
3	Second and Further Given Names or Initials Thereof	ST	RE	
4	Suffix (e.g., JR or III)	ST	RE	
5	Prefix (e.g., DR)	ST	O	
6	Degree (e.g., MD)	IS	O	
7	Name Type Code	ID	RE	
8	Name Representation Code	ID	O	
9	Name Context	CWE	O	
10	Name Validity Range	DR	O	
11	Name Assembly Order	ID	O	
12	Effective Date	DTM	O	
13	Expiration Date	DTM	O	
14	Professional Suffix	ST	O	

Conditional Predicates

Location	Usage	Description
XPN.1	C(R/O)	If the value of XPN.7 (Name Type Code) is not one of list values: S,U.
XPN.2	C(R/O)	If the value of XPN.7 (Name Type Code) is not one of list values: S,U.

5.1 Value Sets

As noted above, value sets for this Implementation Guide are stored within PHIN VADS. This makes it possible to accommodate the need for updating vocabulary without having to republish the guide.

Within PHIN VADS, each entry within a value set records a concept code, concept name, preferred concept name, code system, and the name of the value set these are included in. When a value set is imported into IGAMT, the concept code is recorded as the value of a coded item. The concept name from PHIN VADS is recorded as the description for the coded item. Preferred concept name from PHIN VADS is not included. Code system is brought over without change to the column heading. The name of the value set is not included along with the individual item, but can be identified by looking at a header.

5.1.1 0125 - VALUE TYPE

Metadata

Type: Internally managed

Attributes

Stability	Extensibility	Content Definition
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Stability	Extensibility	Content Definition
Not defined	Not defined	Not defined

Codes

Value	Code System	Description
CP	HL70125	Composite Price
NM	HL70125	Numeric
XAD	HL70125	Extended Address
DT	HL70125	Date
SN	HL70125	Structured Numeric
XPN	HL70125	Extended Person Name
CK	HL70125	Composite ID With Check Digit
FT	HL70125	Formatted Text (Display)
TN	HL70125	Telephone Number
CWE	HL70125	Coded Entry
PN	HL70125	Person Name
XCN	HL70125	Extended Composite Name And Number For Persons
AD	HL70125	Address
DTM	HL70125	Time Stamp (Date & Time)
ST	HL70125	String Data.
XTN	HL70125	Extended Telecommunications Number
CN	HL70125	Composite ID And Name
MO	HL70125	Money
TX	HL70125	Text Data (Display)
CX	HL70125	Extended Composite ID With Check Digit
RP	HL70125	Reference Pointer
XON	HL70125	Extended Composite Name And Number For Organizations
CF	HL70125	Coded Element With Formatted Values
ED	HL70125	Encapsulated Data
TM	HL70125	Time

5.1.2 0301 - UNIVERSAL ID TYPE

Metadata

Type: Internally managed

Attributes

Stability	Extensibility	Content Definition
Not defined	Not defined	Not defined

Codes

Value	Code System	Description
HL7	HL70301	Reserved for future HL7 registration schemes
UUID	HL70301	The DCE Universal Unique Identifier
L,M,N	HL70301	These are reserved for locally defined coding schemes.
GUID	HL70301	Same as UUID.
Random	HL70301	Usually a base64 encoded string of random bits.<p>The uniqueness depends on the length of the bits. Mail systems often generate ASCII string "unique names," from a combination of random bits and system names. Obviously, such identifiers will not be constr
ISO	HL70301	An International Standards Organization Object Identifier
x400	HL70301	An X.400 MHS format identifier
M	HL70301	
HCD	HL70301	The CEN Healthcare Coding Scheme Designator. (Identifiers used in DICOM follow this assignment scheme.)
URI	HL70301	Uniform Resource Identifier
L	HL70301	
x500	HL70301	An X.500 directory name
N	HL70301	
DNS	HL70301	An Internet dotted name. Either in ASCII or as integers

5.1.3 PHVS_ACCEPTAPPLICATIONACKNOWLEDGMENTCONDITIONS_HL7_BR - ACCEPT APPLICATION ACKNOWLEDGMENT CONDITIONS (HL7)

Metadata

OID: 2.16.840.1.114222.4.11.3344

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.3344>

Accept Application Acknowledgment Conditions (HL7) based on HL7 2.5 table 0155.

5.1.4 PHVS_ACKNOWLEDGMENTCODE_HL7_2X_BR - ACKNOWLEDGMENT CODE (HL7)

Metadata

OID: 2.16.840.1.114222.4.11.958

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.958>

Acknowledgment code indicating receipt of message. (See message processing rules. Refer to HL7 Table 0008 - Acknowledgment code for valid values.) Null flavors are not allowed.

5.1.5 PHVS_APPLICATIONERRORCODE_NCHS_BR - APPLICATION ERROR CODE (NCHS)

This value set is listed as open to allow implementers to add error codes beyond those endorsed by HL7.

However, those who work with this Implementation Guide are urged to work with others to agree on a common set of extensions.

Metadata

OID: 2.16.840.1.114222.4.11.7438

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Open	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7438>

A list of the possible error types that may be recorded during processing of a received message and returned to the message sender in a response.

5.1.6 PHVS_AUTOPSYEXAMINATION_NCHS_BR - AUTOPSY EXAMINATION (NCHS)

The value set contains the list of values used to indicate whether or not an autopsy was performed.

Metadata

OID: 2.16.840.1.114222.4.11.7137

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7137>

5.1.7 PHVS_BIRTHANDFETALDEATHFINANCIALCLASS_NCHS_BR - BIRTH AND FETAL DEATH FINANCIAL CLASS (NCHS)

The value set contains the list of values used to indicate the principle source of payment for the labor and delivery. Note, the Public Health Data Consortium Source of Payment Typology is being used as the primary source for codes within the value set.

Metadata

OID: 2.16.840.1.114222.4.11.7163

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7163>

5.1.8 PHVS_BIRTHATTENDANTTITLES_NCHS_BR - BIRTH ATTENDANT TITLES (NCHS)

The value set contains the list of titles used by persons (attendant) responsible for delivering a child/fetus. The attendant at birth/delivery is defined as the individual physically present at the delivery who is responsible for the delivery.

Metadata

OID: 2.16.840.1.114222.4.11.7111

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7111>

5.1.9 PHVS_BIRTHDATEEDITFLAGS_NCHS_BR - BIRTHDATE EDIT FLAGS (NCHS)

To reflect the relevant edit possibilities for birthdate.

Metadata

OID: 2.16.840.1.114222.4.11.7565

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7565>

To reflect the relevant edit possibilities for birthdate.

5.1.10 PHVS_BIRTHDELIVERYOCCURRED_NCHS_BR - BIRTH OR DELIVERY OCCURRED (NCHS)

The value set contains the list of values used to indicate the type of place where birth or delivery occurred.

Metadata

OID: 2.16.840.1.114222.4.11.7124

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7124>

5.1.11 PHVS_BIRTHREPORTINGADDRESSTYPE_NCHS_BR - BIRTH REPORTING ADDRESS TYPE (NCHS)

Metadata

OID: 2.16.840.1.114222.4.11.7564

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7564>

The collection of address types used within birth and fetal death reporting.

5.1.12 PHVS_BIRTHREPORTINGASSOCIATEDPARTYIDTYPE_NCHS_BR - BIRTH REPORTING ASSOCIATED PARTY ID TYPE (NCHS)

Metadata

OID: 2.16.840.1.114222.4.11.7581

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7581>

The collection of identifier types used within birth and fetal death reporting.

5.1.13 PHVS_BIRTHREPORTINGASSOCIATEDPARTYRELATION_NCHS_BR - BIRTH REPORTING ASSOCIATED PARTY RELATION (NCHS)

The collection of next of kin segment relationships that is relevant to birth and fetal death reporting.

The relationship types of Mother and Father are currently used for reporting to NCHS. It is possible that the value set may be extended for reporting to local jurisdictions.

Metadata

OID: 2.16.840.1.114222.4.11.7569

Type: Internally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7569>

Codes

Value	Code System	Description
FTH	HL70063	Father
MTH	HL70063	Mother

5.1.14 PHVS_BIRTHREPORTINGOBSERVATIONRESULTSTATUS_NCHS_BR - BIRTH REPORTING OBSERVATION RESULT STATUS (NCHS)

Metadata

OID: 2.16.840.1.114222.4.11.7575

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7575>

The collection of observation result statuses used within birth and fetal death reporting??

5.1.15 PHVS_BIRTHWEIGHTEDITFLAGS_NCHS_BR - BIRTH WEIGHT EDIT FLAGS (NCHS)

Metadata

OID: 2.16.840.1.114222.4.11.7576

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7576>

To reflect the relevant edit possibilities for birth weight.??

5.1.16 PHVS_CAUSEOFFETALDEATH_ICD-10_CDC_BR - CAUSE OF FETAL DEATH ICD-10

This value set contains the ICD10 codes for causes of fetal death as defined by the ICD-10-Mortality Fetal Manual (2016). Defined as the following, a cause of fetal death is the morbid condition or disease process, abnormality, injury, or poisoning leading directly to fetal death. The initiating cause of fetal death is the disease or injury, which initiated the chain of morbid events leading directly to death or the circumstances of the

accident or violence, which produced fatal injury. A fetal death often results from the combined effect of two or more conditions. These conditions may be completely unrelated, arising independently of each other or they may be causally related to each other; that is, one cause may lead to another which in turn, leads to a third cause, etc.

Metadata

OID: 2.16.840.1.114222.4.11.7933

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7933>

5.1.17 PHVS_CCOFDIOBSERVATIONTYPE_NCHS_BR - CCOFDI OBSERVATION TYPE (NCHS)

The collection of observation types used for reporting coded cause of fetal death information (CCOFDI) within birth and fetal death reporting

Metadata

OID: 2.16.840.1.114222.4.11.7584

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Open	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7584>

5.1.18 PHVS_CITYPLACES_NCHS_BR - CITY PLACES (NCHS)

Codes for Named Populated Places, Primary County Divisions, and Other Locational Entities of the United States, Puerto Rico, and the Outlying Areas (without codes). The former FIPS 55-3 standard was superseded by ANSI standard INCITS 446-2008. Former FIPS 55 data have been incorporated into the GNIS. The GNIS Feature ID superseded the FIPS55 Place Code (now the Census Code) as the Federal and national standard geographic feature record identifier. The Census Bureau continues to assign five digit Census Codes for internal purposes. http://geonames.usgs.gov/domestic/download_data.htm

Metadata

OID: 2.16.840.1.114222.4.11.7512

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7512>

5.1.19 PHVS_COUNTRY_GEC_BR - COUNTRY (GEC)

Country value set includes current countries as well as historical countries based on Geopolitical Entities and Codes (GEC). This list will be used for coding of birth, fetal death, and death certificates from 2014 onwards. A few codes appear more than once in the list alphabetized under commonly use variants of the official name. Note that codes are not available for countries that ceased to exist prior to June 15, 1970.

Metadata

OID: 2.16.840.1.114222.4.11.7162

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7162>

5.1.20 PHVS_COUNTY_FIPS_6-4_BR - COUNTY

Codes representing county of origin, address county, reporting county

Metadata

OID: 2.16.840.1.114222.4.11.829

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.829>

5.1.21 PHVS_CREIobservationtype_NCHS_BR - CREI OBSERVATION TYPE (NCHS)

The collection of observation types used for reporting coded race and ethnicity information (CREI) within birth and fetal death reporting.

Metadata

OID: 2.16.840.1.114222.4.11.7658

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Open	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7658>

5.1.22 PHVS_DELIVERYROUTES_NCHS_BR - DELIVERY ROUTES (NCHS)

The value set contains the list of the possible routes by which the infant or fetus may be delivered.

Metadata

OID: 2.16.840.1.114222.4.11.7118

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7118>

5.1.23 PHVS_EDUCATIONLEVELEDITFLAGS_NCHS_BR - EDUCATION LEVEL EDIT FLAGS (NCHS)

To reflect the relevant edit possibilities for education level.

Metadata

OID: 2.16.840.1.114222.4.11.7388

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7388>

To reflect the relevant edit possibilities for education level.??

5.1.24 PHVS_ERRORSEVERITY_HL7_2X_BR - ERROR SEVERITY (HL7)

Identifies severity of an application error when messaging. Knowing if something is Error, Warning, or Information is intrinsic to how an application handles the content contained in the message. Uses HL7 Table 0516.

Metadata

OID: 2.16.840.1.114222.4.11.993

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.993>

Identifies severity of an application error when messaging. Knowing if something is Error, Warning, or Information is intrinsic to how an application handles the content contained in the message. Uses HL7 Table 0516.

5.1.25 PHVS_ESTIMATEOFGESTATIONEDITFLAGS_NCHS_BR - ESTIMATE OF GESTATION EDIT FLAGS (NCHS)

Metadata

OID: 2.16.840.1.114222.4.11.7567

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7567>

To reflect the relevant edit possibilities for estimate of gestation.??

5.1.26 PHVS_ETHNICITYDETAIL_NCHS_BR - ETHNICITY DETAIL (NCHS)

Possible Hispanic ethnic group categories defined for NCHS reporting.

Metadata

OID: 2.16.840.1.114222.4.11.7376

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7376>**5.1.27 PHVS_ETHNICITYGROUP_NCHS_BR - ETHNICITY GROUP (NCHS)**

To reflect information regarding the Hispanic origin of the decedent.

Metadata

OID: 2.16.840.1.114222.4.11.7375

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7375>**5.1.28 PHVS_FETALDEATHCAUSEORCONDITION_NCHS_BR - FETAL DEATH CAUSE OR CONDITION (NCHS)**

The value sets contains the list of values used to report initiating cause or condition or other significant causes or conditions contributing to fetal death

Metadata

OID: 2.16.840.1.114222.4.11.7422

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7422>

5.1.29 PHVS_FETALDEATHTIMEPOINTS_NCHS_BR - FETAL DEATH TIME POINTS (NCHS)

The value set contains a list of items to indicate when the fetus died with respect to labor and assessment.

Metadata

OID: 2.16.840.1.114222.4.11.7112

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7112>

5.1.30 PHVS_FETALPRESENTATIONS_NCHS_BR - FETAL PRESENTATIONS (NCHS)

The value set contains the list of the different presentations (orientations within the mother's womb) that a fetus may be in prior to delivery

Metadata

OID: 2.16.840.1.114222.4.11.7113

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7113>

5.1.31 PHVS_FETALREMAINDISPOSITIONMETHOD_NCHS_BR - FETAL REMAINS DISPOSITION METHOD (NCHS)

The collection of disposition methods of fetal remains used within birth and fetal death reporting.

Metadata

OID: 2.16.840.1.114222.4.11.7585

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7585>

5.1.32 PHVS_HISTOLOGICALPLACENTALEXAMINATION_NCHS_BR - HISTOLOGICAL PLACENTAL EXAMINATION (NCHS)

The value set contains the list of values used to indicate whether or not a histological placental examination was performed.

Metadata

OID: 2.16.840.1.114222.4.11.7138

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7138>

5.1.33 PHVS_INFECTIÖNSDURINGPREGNANCYFETALDEATH_NCHS_BR - INFECTIONS DURING PREGNANCY FETAL DEATH (NCHS)

Metadata

OID: 2.16.840.1.114222.4.11.7135

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7135>

The value set contains the list of selected infections that the mother had or was treated for during the course of this pregnancy for fetal death, as required by the National US Standards. Note: Genital herpes simplex (SNOMED code 33839006) is only a Michigan state-specific requirement.

5.1.34 PHVS_INFECTIÖNSDURINGPREGNANCYLIVEBIRTH_NCHS_BR - INFECTIONS DURING PREGNANCY - LIVE BIRTH (NCHS)

Infections present and/or treated during this pregnancy for live birth

Metadata

OID: 2.16.840.1.114222.4.11.6070

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.6070>**5.1.35 PHVS_INFORMANTRELATIONSHIPTOMOTHER_NCHS_BR - INFORMANT RELATIONSHIP TO MOTHER (NCHS)**

The collection of informant relationship to mother used within birth and fetal death reporting

Metadata

OID: 2.16.840.1.114222.4.11.7580

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7580>**5.1.36 PHVS_JFDIOBSERVATIONTYPE_NCHS_BR - JFDI OBSERVATION TYPE (NCHS)**

The collection of observation types used for reporting jurisdictional facility death information (JFDI) for birth and fetal death reporting

Metadata

OID: 2.16.840.1.114222.4.11.7586

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Open	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7586>

5.1.37 PHVS_JLBIOBSERVATIONTYPE_NCHS_BR - JLBI OBSERVATION TYPE (NCHS)

The collection of observation types used for reporting jurisdictional live birth information (JLBI) within birth and fetal death reporting

Metadata

OID: 2.16.840.1.114222.4.11.7587

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Open	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7587>

5.1.38 PHVS_JURISDICTIONCERTIFICATEIDTYPE_NCHS_BR - JURISDICTION CERTIFICATE ID TYPE (NCHS)

Metadata

OID: 2.16.840.1.114222.4.11.7601

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7601>

The collection of certificate identifier types used within birth and fetal death reporting.

5.1.39 PHVS_KARYOTYPEDOWNSYNDROME_NCHS_BR - KARYOTYPE DOWN SYNDROME (NCHS)

The value set contains the list of values that indicate whether the newborn/fetus is confirmed or pending if there is a diagnosis of Down syndrome, Trisomy 21.

Metadata

OID: 2.16.840.1.114222.4.11.7116

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7116>

5.1.40 PHVS_KARYOTYPESUSPECTEDCHROMOSOMALDISORDER_NCHS_BR - KARYOTYPE SUSPECTED CHROMOSOMAL DISORDER (NCHS)

The value set contains the list of values that indicate whether the newborn/fetus is confirmed or pending if there is a diagnosis of suspected chromosomal disorder (may include Trisomy 21).

Metadata

OID: 2.16.840.1.114222.4.11.7115

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7115>

5.1.41 PHVS_LABORANDDELIVERYCHARACTERISTICS_NCHS_BR - LABOR AND DELIVERY CHARACTERISTICS (NCHS)

The value set contains the list of options to indicate information about the course of labor and delivery.

Metadata

OID: 2.16.840.1.114222.4.11.7117

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7117>

5.1.42 PHVS_MATERNALMORBIDITIES_NCHS_BR - MATERNAL MORBIDITIES (NCHS)

The value set contains the list of possible maternal morbidity values when serious complications were experienced by the mother associated with labor and delivery.

Metadata

OID: 2.16.840.1.114222.4.11.7119

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7119>

5.1.43 PHVS_MESSAGEERRORCONDITIONCODES_NCHS_BR - MESSAGE ERROR CONDITION CODES (NCHS)

Metadata

OID: 2.16.840.1.114222.4.11.7513

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7513>

A list, defined by HL7, of the possible communication error types that may be returned to characterize an error response.

5.1.44 PHVS_NEWBORNABNORMALCONDITIONS_NCHS_BR - NEWBORN ABNORMAL CONDITIONS (NCHS)

The value set contains the list of values used to indicate specific disorders or significant morbidity experienced by the newborn infant.

Metadata

OID: 2.16.840.1.114222.4.11.7121

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7121>

5.1.45 PHVS_NEWBORNCONGENITALANOMALIES_NCHS_BR - NEWBORN CONGENITAL ANOMALIES (NCHS)

The value set contain the list of values use to specify malformations of the newborn diagnosed prenatally or after delivery.

Metadata

OID: 2.16.840.1.114222.4.11.7122

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7122>

5.1.46 PHVS_NUMBEROFPREVIOUSCESAREANSEDITFLAGS_NCHS_BR - NUMBER OF PREVIOUS CESAREANS EDIT FLAGS (NCHS)

Metadata

OID: 2.16.840.1.114222.4.11.7568

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7568>

To reflect the relevant edit possibilities for number of previous cesareans.??

5.1.47 PHVS_OBSTETRICPROCEDURES_NCHS_BR - OBSTETRIC PROCEDURES (NCHS)

The value set contains the list of values used to specify selected medical treatments or invasive / manipulative procedures performed during this pregnancy specifically for management of labor and / or delivery.

Metadata

OID: 2.16.840.1.114222.4.11.7136

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
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Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7136>

5.1.48 PHVS_PLURALITYEDITFLAGS_NCHS_BR - PLURALITY EDIT FLAGS (NCHS)

Metadata

OID: 2.16.840.1.114222.4.11.7577

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7577>

To reflect the relevant edit possibilities for plurality.??

5.1.49 PHVS_PREGNANCYREPORTEDITFLAGS_NCHS_BR - PREGNANCY REPORT EDIT FLAGS (NCHS)

Metadata

OID: 2.16.840.1.114222.4.11.7566

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7566>

To reflect the relevant edit possibilities for pregnancy report of Education, Mother's height, Mother's pre-pregnancy weight and Prenatal care visit number.??

5.1.50 PHVS_PREGNANCYRISKFACTORS_NCHS_BR - PREGNANCY RISK FACTORS (NCHS)

The value set contains the list of values used to indicate selected medical risk factors of the mother during this pregnancy.

Metadata

OID: 2.16.840.1.114222.4.11.7126

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7126>

5.1.51 PHVS_PROCESSINGID_HL7_2X_BR - PROCESSING ID (HL7)

Metadata

OID: 2.16.840.1.114222.4.11.1028

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.1028>

HL7 table 0103 contains values that define whether the message is part of a production, training or debugging system.

5.1.52 PHVS_PSFDIOBSERVATIONTYPE_NCHS_BR - PSFDI OBSERVATION TYPE (NCHS)

The collection of observation types used for reporting provider supplied fetal death information (PSFDI) within birth and fetal death reporting

Metadata

OID: 2.16.840.1.114222.4.11.7588

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Open	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7588>

5.1.53 PHVS_PSFFDIOBSERVATIONTYPE_NCHS_BR - PSFFDI OBSERVATION TYPE (NCHS)

The collection of observation types used for reporting provider supplied facility fetal death information (PSFFDI) within birth and fetal death reporting

Metadata

OID: 2.16.840.1.114222.4.11.7589

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Open	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7589>

5.1.54 PHVS_PSFLBIOBSERVATION TYPE_NCHS_BR - PSFLBI OBSERVATION TYPE (NCHS)

The collection of observation types used for reporting provider supplied facility live birth information (PSFLBI) within birth and fetal death reporting

Metadata

OID: 2.16.840.1.114222.4.11.7590

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Open	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7590>

5.1.55 PHVS_PSLBIOBSERVATIONTYPE_NCHS_BR - PSLBI OBSERVATION TYPE (NCHS)

The collection of observation types used for reporting provider supplied live birth information (PSLBI) within birth and fetal death reporting

Metadata

OID: 2.16.840.1.114222.4.11.7591

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Open	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7591>

5.1.56 PHVS_PSMFDIOBSERVATIONTYPE_NCHS_BR - PSMFDI OBSERVATION TYPE (NCHS)

The collection of observation types used for reporting provider supplied mother's fetal death information (PSMFDI) for birth and fetal death reporting

Metadata

OID: 2.16.840.1.114222.4.11.7592

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Open	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7592>

5.1.57 PHVS_PSMLBIOBSERVATIONTYPE_NCHS_BR - PSMLBI OBSERVATION TYPE (NCHS)

The collection of observation types used for reporting provider supplied mother's live birth information (PSMLBI) within birth and fetal death reporting

Metadata

OID: 2.16.840.1.114222.4.11.7594

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Open	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7594>

5.1.58 PHVS_RACE_NCHS_BR - RACE (NCHS)

To reflect race information for the decedent

Metadata

OID: 2.16.840.1.114222.4.11.7373

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7373>

5.1.59 PHVS_SEX_MFU_BR - SEX (MFU)

Constrained list of sex codes in use by public health. Keyword: Administrative Sex

Metadata

OID: 2.16.840.1.114222.4.11.1038

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.1038>

5.1.60 PHVS_STATESTERRITORIESPROVINCES_NCHS_BR - STATES TERRITORIES PROVINCES (NCHS)

The set of codes that represent the names of a principal subdivision (i.e., state, territory or province) within the U.S. and Canada.

Metadata

OID: 2.16.840.1.114222.4.11.7446

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7446>

5.1.61 PHVS_TOBACCOUSEUNITOFMEASURE_NCHS_303 - TOBACCO USE UNIT OF MEASURE (NCHS)

Metadata

OID: 2.16.840.1.114222.4.11.7605

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Not defined

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7605>

The collection of tobacco use unit of measure used within birth and fetal death reporting.

5.1.62 PHVS_VITALRECORDSEDUCATIONLEVEL_NCHS_BR - VITAL RECORDS EDUCATION LEVEL (NCHS)

The collection of education levels used for vital records reporting.

Metadata

OID: 2.16.840.1.114222.4.11.7582

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Dynamic	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7582>

5.1.63 PHVS_YESNO_HL7_2X - YES NO INDICATOR (HL7)

Value set used to respond to any question that can be answered only Yes or No. This value set is also HL7 table 0136 Yes/No Indicator.

Metadata

OID: 2.16.840.1.114222.4.11.819

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Static	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.819>

Codes

Value	Code System	Description
N	HL70136	No
Y	HL70136	Yes

Value set used to respond to any question that can be answered only Yes ??or No. This value set is also HL7 table 0136 Yes/No Indicator.

5.1.64 PHVS_YESNONOTAPPLICABLE_NCHS_BR - YES NO NOT APPLICABLE (NCHS)

Metadata

OID: 2.16.840.1.114222.4.11.7486

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Static	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7486>

Value set used to respond to any question that can be answered Yes, No, or Not Applicable.

5.1.65 PHVS_YESNOUNKNOWN_CDC_BR - YES NO UNKNOWN (YNU)

Metadata

OID: 2.16.840.1.114222.4.11.888

Type: Externally managed

Attributes

Stability	Extensibility	Content Definition
Static	Closed	Extensional

Reference URL: <https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.888>

Value set used to respond to any question that can be answered Yes, No, or Unknown.

5.2 Conformance information

5.2.1 CONFORMANCE STATEMENTS

5.2.1.1 CONFORMANCE PROFILE LEVEL

5.2.1.1.1 REPORT PROVIDER SUPPLIED LIVE BIRTH INFORMATION

ID	Description
PSLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSLBIA04_V1.0'.
PSLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.1.1.2 REVISE PROVIDER SUPPLIED LIVE BIRTH INFORMATION

ID	Description
PSLBIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSLBIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSLBIA08_V1.0'.
PSLBIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.1.1.3 REPORT PROVIDER SUPPLIED FACILITY'S LIVE BIRTH INFORMATION

ID	Description
PSFLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSFLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFLBIA04_V1.0'.
PSFLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.1.1.4 REVISE PROVIDER SUPPLIED FACILITY'S LIVE BIRTH INFORMATION

ID	Description
PSFLBIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSFLBIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFLBIA08_V1.0'.
PSFLBIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.1.1.5 REPORT PROVIDER SUPPLIED MOTHER'S LIVE BIRTH INFORMATION

ID	Description
PSMLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSMLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSMLBIA04_V1.0'.
PSMLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.1.1.6 REVISE PROVIDER SUPPLIED MOTHER'S LIVE BIRTH INFORMATION

ID	Description
PSMLBIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSMLBIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSMLBIA08_V1.0'.
PSMLBIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.1.1.7 REPORT PROVIDER SUPPLIED FETAL DEATH INFORMATION

ID	Description
PSFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFDIA04_V1.0'.
PSFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.1.1.8 REVISE PROVIDER SUPPLIED FETAL DEATH INFORMATION

ID	Description
PSFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFDIA08_V1.0'.
PSFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.1.1.9 REPORT PROVIDER SUPPLIED FACILITY'S FETAL DEATH INFORMATION

ID	Description
PSFFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSFFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFFDIA04_V1.0'.
PSFFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.1.1.10 REVISE PROVIDER SUPPLIED FACILITY'S FETAL DEATH INFORMATION

ID	Description
PSFFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSFFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFFDIA08_V1.0'.
PSFFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.1.1.11 REPORT PROVIDER SUPPLIED MOTHER'S FETAL DEATH INFORMATION

ID	Description
PSMFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSMFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSMFDIA04_V1.0'.
PSMFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.1.1.12 REVISE PROVIDER SUPPLIED MOTHER'S FETAL DEATH INFORMATION

ID	Description
PSMFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSMFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSMFDIA08_V1.0'.
PSMFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.1.1.13 REPORT JURISDICTION LIVE BIRTH INFORMATION

ID	Description
JLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
JLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JLBIA04_V1.0'.
JLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.1.1.14 REVISE JURISDICTION LIVE BIRTH INFORMATION

ID	Description
JLBIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
JLBIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JLBIA08_V1.0'.
JLBIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.1.1.15 REPORT JURISDICTION FETAL DEATH INFORMATION

ID	Description
JFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
JFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JFDIA04_V1.0'.
JFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.1.1.16 REVISE JURISDICTION FETAL DEATH INFORMATION

ID	Description
JFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
JFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JFDIA08_V1.0'.
JFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.1.1.17 REPORT VOID LIVE BIRTH CERTIFICATE INFORMATION

ID	Description
JVLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
JVLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JVLBIA04_V1.0'.
JVLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'VR'.

5.2.1.1.18 REPORT VOID FETAL DEATH REPORT INFORMATION

ID	Description
JVFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
JVFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JVFDIA04_V1.0'.
JVFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'VR'.

5.2.1.1.19 REPORT CODED CAUSE OF FETAL DEATH

ID	Description
CCOFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
CCOFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CCOFDIA04_V1.0'.
CCOFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'CFD'.

5.2.1.1.20 REVISE CODED CAUSE OF FETAL DEATH INFORMATION

ID	Description
CCOFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
CCOFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CCOFDIA08_V1.0'.
CCOFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'CFD'.

5.2.1.1.21 REPORT CODED RACE & ETHNICITY FOR LIVE BIRTH

ID	Description
CREILBA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
CREILBA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CREILBA04_V1.0'.
CREILBA04_002	The value of EVN.4 (Event Reason Code) SHALL be 'CRE'.

5.2.1.1.22 REVISE CODED RACE & ETHNICITY FOR LIVE BIRTH

ID	Description
CREILBA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
CREILBA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CREILBA08_V1.0'.
CREILBA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'CRE'.

5.2.1.1.23 REPORT CODED RACE & ETHNICITY FOR FETAL DEATH

ID	Description
CREIFDA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
CREIFDA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CREIFDA04_V1.0'.
CREIFDA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'CRE'.

5.2.1.1.24 REVISE CODED RACE & ETHNICITY FOR FETAL DEATH

ID	Description
CREIFDA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
CREIFDA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CREIFDA08_V1.0'.
CREIFDA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'CRE'.

5.2.1.1.25 ACKNOWLEDGEMENT

ID	Description
ACK_BR_001	The value of MSH.9.2 (Trigger Event) is one of list values: A04, A08.
ACK_BR_002	The value of MSH.21.1 (Entity Identifier) is 'ACK'.

5.2.1.2 COMPOSITE PROFILE LEVEL

5.2.1.2.1 REPORT PROVIDER SUPPLIED LIVE BIRTH INFORMATION

ID	Description
PSLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSLBIA04_V1.0'.
PSLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.1.2.2 REVISE PROVIDER SUPPLIED LIVE BIRTH INFORMATION

ID	Description
PSLBIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSLBIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSLBIA08_V1.0'.

ID	Description
PSLBIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.1.2.3 REPORT PROVIDER SUPPLIED FACILITY'S LIVE BIRTH INFORMATION

ID	Description
PSFLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSFLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFLBIA04_V1.0'.
PSFLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.1.2.4 REVISE PROVIDER SUPPLIED FACILITY'S LIVE BIRTH INFORMATION

ID	Description
PSFLBIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSFLBIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFLBIA08_V1.0'.
PSFLBIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.1.2.5 REPORT PROVIDER SUPPLIED MOTHER'S LIVE BIRTH INFORMATION

ID	Description
PSMLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSMLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSMLBIA04_V1.0'.
PSMLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.1.2.6 REVISE PROVIDER SUPPLIED MOTHER'S LIVE BIRTH INFORMATION

ID	Description
PSMLBIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSMLBIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSMLBIA08_V1.0'.
PSMLBIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.1.2.7 REPORT PROVIDER SUPPLIED FETAL DEATH INFORMATION

ID	Description
PSFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFDIA04_V1.0'.
PSFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.1.2.8 REVISE PROVIDER SUPPLIED FETAL DEATH INFORMATION

ID	Description
PSFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFDIA08_V1.0'.
PSFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.1.2.9 REPORT PROVIDER SUPPLIED FACILITY'S FETAL DEATH INFORMATION

ID	Description

ID	Description
PSFFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSFFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFFDIA04_V1.0'.
PSFFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.1.2.10 REVISE PROVIDER SUPPLIED FACILITY'S FETAL DEATH INFORMATION

ID	Description
PSFFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSFFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSFFDIA08_V1.0'.
PSFFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.1.2.11 REPORT PROVIDER SUPPLIED MOTHER'S FETAL DEATH INFORMATION

ID	Description
PSMFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
PSMFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSMFDIA04_V1.0'.
PSMFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.1.2.12 REVISE PROVIDER SUPPLIED MOTHER'S FETAL DEATH INFORMATION

ID	Description
PSMFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
PSMFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'PSMFDIA08_V1.0'.
PSMFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.1.2.13 REPORT JURISDICTION FETAL DEATH INFORMATION

ID	Description
JFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
JFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JFDIA04_V1.0'.
JFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.1.2.14 REVISE JURISDICTION FETAL DEATH INFORMATION

ID	Description
JFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
JFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JFDIA08_V1.0'.
JFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'FD'.

5.2.1.2.15 REPORT CODED CAUSE OF FETAL DEATH

ID	Description
CCOFDIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
CCOFDIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CCOFDIA04_V1.0'.
CCOFDIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'CFD'.

5.2.1.2.16 REVISE CODED CAUSE OF FETAL DEATH

ID	Description
CCOFDIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
CCOFDIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CCOFDIA08_V1.0'.
CCOFDIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'CFD'.

5.2.1.2.17 REPORT JURISDICTION LIVE BIRTH INFORMATION

ID	Description
JLBIA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
JLBIA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JLBIA04_V1.0'.
JLBIA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.1.2.18 REVISE JURISDICTION LIVE BIRTH INFORMATION

ID	Description
JLBIA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
JLBIA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'JLBIA08_V1.0'.
JLBIA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'LB'.

5.2.1.2.19 REPORT CODED RACE & ETHNICITY FOR LIVE BIRTH

ID	Description
CREILBA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
CREILBA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CREILBA04_V1.0'.
CREILBA04_002	The value of EVN.4 (Event Reason Code) SHALL be 'CRE'.

5.2.1.2.20 REVISE CODED RACE & ETHNICITY FOR LIVE BIRTH

ID	Description
CREILBA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
CREILBA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CREILBA08_V1.0'.
CREILBA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'CRE'.

5.2.1.2.21 REPORT CODED RACE & ETHNICITY FOR FETAL DEATH

ID	Description
CREIFDA04_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A04'.
CREIFDA04_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CREIFDA04_V1.0'.
CREIFDA04_003	The value of EVN.4 (Event Reason Code) SHALL be 'CRE'.

5.2.1.2.22 REVISE CODED RACE & ETHNICITY FOR FETAL DEATH

ID	Description
CREIFDA08_001	The value of MSH.9.2 (Trigger Event) SHALL be 'A08'.
CREIFDA08_002	The value of MSH.21.1 (Entity Identifier) SHALL be 'CREIFDA08_V1.0'.
CREIFDA08_003	The value of EVN.4 (Event Reason Code) SHALL be 'CRE'.

5.2.1.3 SEGMENT LEVEL

5.2.1.3.1 MSH_BR - MESSAGE HEADER

ID	Description
MSH_BR_001	The value of MSH-1 (Field Separator) SHALL be ' '.
MSH_BR_002	The value of MSH-2 (Encoding Characters) is '^~\&'.
MSH_BR_007	MSH.16 (Application Acknowledgment) should not be set so as to require an ACK for an ACK message.
MSH_BR_008	The value of MSH-17 (Country Code) is 'US'.

5.2.1.3.2 NK1_BR - NEXT OF KIN / ASSOCIATED PARTIES

ID	Description
NK1_BR_001	For the first occurrence of the NK1 segment, the sequence number shall be one (1), for the second occurrence, the sequence number shall be two (2), etc
NK1_BR_002	If NK14.7 = "BDL" then street address, city, and zip code are optional within the XAD data type.

5.2.1.3.3 NK1_BR_FW - NEXT OF KIN / ASSOCIATED PARTIES

ID	Description
NK1_BR_001	For the first occurrence of the NK1 segment, the sequence number shall be one (1), for the second occurrence, the sequence number shall be two (2), etc
NK1_BR_002	If NK14.7 = "BDL" then street address, city, and zip code are optional within the XAD data type.
NK1_BR_FW-3	NK1-3 SHALL contain the constant value 'MTH' drawn from the code system 'HL70063'.

5.2.1.3.4 OBX_BR - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.5 OBX_BR_CCOFDIA04-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.6 OBX_BR_CCOFDIA08-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.7 OBX_BR_CREIFDA04-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.8 OBX_BR_CREIFDA08-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.9 OBX_BR_CREILBA04-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.10 OBX_BR_CREILBA08-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.11 OBX_BR_JFDIA04-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.12 OBX_BR_JFDIA08-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.13 OBX_BR_JLBIA04-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.14 OBX_BR_JLBIA08-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.15 OBX_BR_PSFDIA04-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.16 OBX_BR_PSFDIA08-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.17 OBX_BR_PSFFDIA04-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.18 OBX_BR_PSFFDIA08-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.19 OBX_BR_PSFLBIA04-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.20 OBX_BR_PSFLBIA08-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.21 OBX_BR_PSLBIA04-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.22 OBX_BR_PSLBIA08-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.23 OBX_BR_PSMFDIA04-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.24 OBX_BR_PSMFDIA08-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.25 OBX_BR_PSMLBIA04-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.26 OBX_BR_PSMLBIA08-1 - OBSERVATION/RESULT

ID	Description
OBX_BR_001	The value of OBX-6.3 (Name of Coding System) is 'UCUM'.
OBX_BR_002	The value of OBX-11 (Observation Result Status) is 'F'.

5.2.1.3.27 PID_BR_DL - PATIENT IDENTIFICATION

ID	Description
PID_BR_LB_001	The value of PID-1 (Set ID - PID) SHALL be '1'.
PID_BR_LB_002	The value of PID-11.7 (Address Type) is 'BDL'.

5.2.1.3.28 PID_BR_ID - PATIENT IDENTIFICATION

ID	Description
PID_BR_ID_001	The value of PID-1 (Set ID - PID) SHALL be '1'.

5.2.1.3.29 PV1_BR - PATIENT VISIT

ID	Description
PV1_BR_001	The value of PV1-2 (Patient Class) SHALL be 'N'.

5.2.1.3.30 PV1_BR_LB - PATIENT VISIT

ID	Description
PV1_BR_001	The value of PV1-2 (Patient Class) SHALL be 'N'.

5.2.1.4 DATATYPE LEVEL

5.2.1.4.1 VID - VERSION IDENTIFIER

ID	Description

ID	Description
VID_BR_001	The value of VID-1 (Version ID) SHALL be '2.6'.

5.2.1.4.2 XAD - EXTENDED ADDRESS

ID	Description
XAD_BR_ID.7	XAD.7 SHALL contain the constant value 'BDL' drawn from the code system 'HL70190'.

5.2.1.4.3 HD - HIERARCHIC DESIGNATOR

ID	Description
HD_BR_AA_001	The value of HD-2 (Universal ID) shall be populated with an ISO compliant OID.
HD_BR_AA_002	The value of HD-3 (Universal ID Type) SHALL be 'ISO'.

5.2.1.4.4 HD - HIERARCHIC DESIGNATOR

ID	Description
HD_BR_001	The value of HD-3 (Universal ID Type) SHALL be 'ISO'.
HD_BR_002	The value of HD-2 (Universal ID) shall be populated with an ISO compliant OID.

5.2.1.4.5 XCN - EXTENDED COMPOSITE ID NUMBER AND NAME FOR PERSONS

ID	Description
XCN_BR_PR_001	The value of XCN-13 (Identifier Type Code) SHALL be 'NPI'.

5.2.2 CONDITIONAL PREDICATES

5.2.2.1 SEGMENT LEVEL

5.2.2.1.1 OBX_BR - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.2 OBX_BR_CCOFDA04-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.3 OBX_BR_CCOFDA08-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.4 OBX_BR_CREIFDA04-1 - OBSERVATION/RESULT

Location	Usage	Description

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.5 OBX_BR_CREIFDA08-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.6 OBX_BR_CREILBA04-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.7 OBX_BR_CREILBA08-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.8 OBX_BR_JFDIA04-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.9 OBX_BR_JFDIA08-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.10 OBX_BR_JLBIA04-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.11 OBX_BR_JLBIA08-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.12 OBX_BR_PSFDIA04-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.13 OBX_BR_PSFDIA08-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.14 OBX_BR_PSFFDIA04-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.15 OBX_BR_PSFFDIA08-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.16 OBX_BR_PSFLBIA04-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.17 OBX_BR_PSFLBIA08-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.18 OBX_BR_PSLBIA04-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.19 OBX_BR_PSLBIA08-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.20 OBX_BR_PSMFDIA04-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.21 OBX_BR_PSMFDIA08-1 - OBSERVATION/RESULT

Location	Usage	Description

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.22 OBX_BR_PSMLBIA04-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.23 OBX_BR_PSMLBIA08-1 - OBSERVATION/RESULT

Location	Usage	Description
OBX-6	C(R/O)	If the value of OBX-3.1 is one of list values: 11884-4,83846-6,56077-1,8339-4,69461-2,87296-0,85724-3,87298-6,87299-4,64794-1,64795-8.

5.2.2.1.24 PID_BR_DL - PATIENT IDENTIFICATION

Location	Usage	Description
PID-25	C(RE/X)	If the value of PID-24 (Multiple Birth Indicator) is 'Y'.

5.2.2.2 DATATYPE LEVEL

5.2.2.2.1 XON - EXTENDED COMPOSITE NAME AND IDENTIFICATION NUMBER FOR ORGANIZATIONS

Location	Usage	Description
XON.1	C(RE/R)	If XON.10 (Organization Identifier) is valued
XON.6	C(R/X)	If XON.10 (Organization Identifier) is valued
XON.7	C(R/X)	If XON.10 (Organization Identifier) is valued

5.2.2.2.2 CX - EXTENDED COMPOSITE ID WITH CHECK DIGIT

Location	Usage	Description
CX.1	C(R/X)	If the value of CX.5 (Identifier Type Code) is not 'U'.
CX.4	C(R/X)	If the value of CX.5 (Identifier Type Code) is not 'U'.

5.2.2.2.3 XPN - EXTENDED PERSON NAME

Location	Usage	Description
XPN.1	C(R/O)	If the value of XPN.7 (Name Type Code) is not one of list values: S,U.
XPN.2	C(R/O)	If the value of XPN.7 (Name Type Code) is not one of list values: S,U.

5.2.2.2.4 EI - ENTITY IDENTIFIER

Location	Usage	Description
EI.4	C(R/X)	If EI.3 (Universal ID) is valued

5.2.2.2.5 HD - HIERARCHIC DESIGNATOR

Location	Usage	Description
HD.3	C(R/X)	If HD.2 (Universal ID) is valued

5.2.2.2.6 XCN - EXTENDED COMPOSITE ID NUMBER AND NAME FOR PERSONS

Location	Usage	Description
XCN.13	C(R/X)	If XCN.1 (ID Number) is valued
XCN.9	C(R/X)	If XCN.1 (ID Number) is valued