



AIRA

AMERICAN IMMUNIZATION
REGISTRY ASSOCIATION

MIROW Common Vocabulary

AdvancedReport

Version 1.0

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Version 1.0

Project	MIROW Common Vocabulary
Version	1.0
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Description	Terms approved as of December 31, 2018. Contains core terms that are used in three or more guides, terms that are used in the Patient Status Guide (PAIS-2015), and terms that are used in the Reminder/Recall Guide (RR-2009).

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Terms

For context on how to read the following table, please see the [MIROW Guide Reference](#) and the [Report Legend](#).

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Address	the place where a party is located or may be reached	A party may be a patient or an organization.	None	<p>The CDC endorsed data element list does not include some group level concepts at this time. There are some related terms. For example:</p> <ul style="list-style-type: none"> • Patient Address: County of Residence; County component of the patient's address • Patient Address: City; City component of the patient's address • Patient Address: Country; Country component of the patient's address • Patient Address: State; State component of the patient's address • Patient Address: Street; Street component of the patient's address • Patient Address: Zip Code; Zip code of the patient's address 	PAIS-2015 DQA-2013 INV-2012 RR-2009 DQA-2008
Address Type	a kind of address whether it is a physical or mailing address	None	None	None	DQA-2008

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Administered/ Historical Indicator	the state of the association between a vaccination event and a provider organization indicating whether the provider organization administered the vaccination event or is submitting the vaccination event on behalf of another provider organization	<p>Values for the indicator are administered or historical.</p> <p>Administered value means that the provider organization recorded and/or submitted its own vaccination event (i.e., attests that it conducted the vaccination event).</p> <p>Historical value means that the provider organization submitted a vaccination event conducted by a different provider organization (i.e., states that it did not conduct the vaccination event).</p>	None	Vaccination Event Record Type: Indicates whether the vaccination event is based on a historical record or was given by the administered at location.	CR-2017 DINV-2016 PAIS-2015 DQA-2013 DQA-2008
Alternate Patient ID	a data element of an alternate patient ID group that is a unique identifier for a patient	None	None	Patient ID: Unique identifier assigned by IIS-AO (Data Source) to each Patient.	CR-2017 DQA-2013

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Alternate Patient ID Assigning Authority ID	a data element of an alternate patient ID group that identifies the organization that assigned the alternate patient ID	None	None	None	CR-2017
Alternate Patient ID Group	a set of data elements assigned to a patient by an organization other than an IIS to uniquely identify a patient	Alternate Patient ID Group includes the following properties: <ul style="list-style-type: none"> • Alternate Patient ID • Alternate Patient ID Type • Alternate Patient ID Assigning Authority ID 	None	None	CR-2017
Alternate Patient ID Type	a data element of an alternate patient ID group that identifies the kind of alternate patient ID that is assigned	None	None	Patient ID: type: The ID type (e.g. medical record number, birth certificate ID, etc.) of the associated patient ID.	CR-2017
Assessment Report	an account of the degree to which a cohort is immunized according to current recommendations	None	None	None	PAIS-2015

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Balance	the number of vaccines currently on hand for an inventory item	None	None	None	DINV-2016
Birth Certificate Number	a registration number for an official document of a patient 's date and place of birth and parentage	An example of an alternate patient ID.	None	None	DQA-2013
Carrier/Tracking Number	an identifier used to facilitate locating a shipment	None	None	None	INV-2012
Cohort	a group of people who share a common characteristic such as age	Typically, the cohort is a population of interest.	None	None	PAIS-2015 INV-2012 DLE-2011 RR-2009
Contact Method	a manner in which to contact a patient	The contact method includes properties Contact Method Type and Contact Method Primary Indicator.	None	None	PAIS-2015

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Contact Method Primary Indicator	an indicator to denote the primary contact method for a patient	None	None	None	PAIS-2015
Contact Method Type	the mode of communication that will be used to contact a patient	Example: telephone, mail, etc.	None	None	PAIS-2015
CPT Code	a numerical string identifying a billable service that is associated with the procedure used when administering a vaccine	CPT (current procedural terminology) codes are developed by the American Medical Association. The IIS community is recommending discontinuing use of this code.	None	None	DINV-2016 DQA-2013 DQA-2008 VD-2006
CVX Code	a numerical identifier used to identify a vaccine type	CVX codes are assigned by CDC.	None	None	DINV-2016 DQA-2013 INV-2012 DQA-2008 VD-2006

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Date of Birth	the birth date of the patient	None	None	Patient Date of Birth: The patient's date of birth.	PAIS-2015 DQA-2013 DQA-2008 VD-2006
Date of Death (DOD)	the date of the patient's death	None	None	None	PAIS-2015 DQA-2013 DQA-2008
Demographic Submission	a submission regarding a patient's demographic information	None	None	None	DQA-2013
Dose-Level Public/Private Indicator	an indicator of the source of funding that paid for a vaccine , assigned by the provider organization	Funding source in HL7 specification is the equivalent of the private/public indicator. Example: • Two Stock: public, private • Three Stock: public VFC, public non-VFC, private	Public/Private Indicator	Vaccine Funding Source: The funding source of the vaccine administered.	DINV-2016 DQA-2013 INV-2012 DQA-2008

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Electronic Data Exchange (EDE)	an interface in which data can be communicated electronically between an IIS and another system, such as an electronic health record system	The communication can be direct system to system or through intermediaries.	None	None	DINV-2016 PAIS-2015 DQA-2013
ExIS Order Date	the date an order for vaccine is entered into the external information system	Each order will have an ExIS order date and a VTrckS order date. These dates could be different. The former is the date when the order was entered into the ExIS, and the latter is the date the order was uploaded to VTrckS. (VTrckS: VTrckS Order Date)	None	None	DINV-2016 INV-2012

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Fund Type	a categorization within dose-level public/private indicator that further specifies the source of funding for the vaccine , and is often tied to a program or use indication	Fund type and funding source have been used interchangeably in the past. Fund type relates to the HL7 value, and funding source is related to the public/private indicator. Funding source has been replaced by dose-level public/private indicator and the term itself retired. Example: • Vaccines for Children program; • 317 Immunization Program	None	None	DINV-2016 DINV-2016 INV-2012 DLE-2011
Gender	the patient's gender	None	None	Patient Gender: the patient's gender.	DQA-2013 DQA-2008 VD-2006

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Geographic Jurisdiction	a physical area identified by a governing authority	A geographic jurisdiction may be a state, county, city, etc. Example: New York City, Dade County, state of Nevada	Jurisdiction	None	PAIS-2015 INV-2012 DLE-2011 RR-2009
IIS Direct User Interface	a software application that allows a person to enter data directly into or retrieve data directly from an IIS	None	IIS Direct UI	None	DINV-2016 PAIS-2015 DQA-2013
IIS Patient ID	a unique identifier assigned to a patient by IIS	None	None	IIS Patient ID: The unique identifier assigned by IIS to each patient.	CR-2017
IIS Program	the staff and/or activities that focus primarily on maintaining and operating the IIS in support of immunization program activities	None	None	None	INV-2012 DLE-2011
IIS-AO Common Name	a familiar name by which an IIS-AO is known in the community	This is a public-facing name used by the organization.	None	None	DQA-2013

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
IIS-AO ID	a unique identifier assigned by an IIS to represent an IIS-authorized organization	None	None	No matching term to IIS-ID is defined. There is a related term. Note from MIROW: the definition from CDC Endorsed Data Element for the responsible organization should be updated, as not all IIS-AOs are “accountable” for the content. For example: Responsible organization: The identifier of the organization that originated and is accountable for the content of the record. May be referenced as IIS-AO ID.	CR-2017 DQA-2013
IIS-AO Legal Name	a name by which an IIS-AO is legally known	None	None	None	DQA-2013
IIS-Authorized Organization (IIS-AO)	an organization that has an agreement with an IIS that allows for the submittal and/or retrieval of IIS information	Example: provider organization, Vital Records Office, hospitals, schools, etc.	None	None	CR-2017 DQA-2013

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Immunization Contraindication	a condition in a patient that greatly increases the chance of a serious adverse reaction and renders a vaccination inadvisable for a patient	None	None	Contraindications/precautions: A reason(s) to consider not giving a patient a vaccine proposed for administration.	DQA-2013 RR-2009
Immunization Exemption	a non-medical reason permitting a patient to be excluded from a vaccination	None	None	Exemptions/refusals of Vaccine: the reason for an exemption/refusal	RR-2009
Immunization History	a collection of information detailing vaccination events for a patient	None	None	None	PAIS-2015 DQA-2013 DLE-2011 RR-2009

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Immunization Information System (IIS)	a confidential, population-based, computerized database for recording information, including vaccination history and vaccine doses given by participating health care providers	None	None	None	CR-2017 DINV-2016 PAIS-2015 DQA-2013 INV-2012 RR-2009
Immunization Program	a public health organization that coordinates public health activities related to immunization for a geographic jurisdiction	Public health organization can be at the awardee, county, etc. level.	None	None	PAIS-2015 INV-2012 DLE-2011
Inventory	a collection of inventory items	None	Stock	None	DINV-2016 INV-2012
Inventory Item	a collection of vaccines with the same lot number , lot-level public/private indicator , and lot number expiration date	None	None	None	DINV-2016

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Inventory Item Date/Time	the date and time the balance for an inventory item is changed	None	None	None	DINV-2016
Inventory Item Status	the state of an inventory item , whether it is active, pending or inactive	Example: active, pending, inactive	None	None	DINV-2016
Lot Number	an identifier assigned by a manufacturer to a specific batch of vaccine product type	None	None	Vaccine Lot Number: The lot number of the vaccine administered.	DINV-2016 DQA-2013 INV-2012 DQA-2008 VD-2006
Lot Number Expiration Date	the date at which the vaccine is no longer considered potent	None	None	Vaccine Expiration Date: The expiration date of the vaccine administered.	DINV-2016 INV-2012 DQA-2008 VD-2006

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Lot-Level Public/Private Indicator	the source of funds that paid for an inventory item , assigned by the IIS	Based on the shipment's electronic file. Example: • Two Stock: public, private • Three Stock: public VFC, public non-VFC, private	None	None	DINV-2016
Manufacturer	an organization that produces a vaccine	Example: Grifols	None	None	DQA-2013 INV-2012 DQA-2008 VD-2006
Medicaid Number	a unique identifier assigned to a person for the purposes of receiving medical services financed by Medicaid	An example of an alternate patient ID.	None	None	DQA-2008
MVX Code	an identifier established and maintained by the CDC that describes a manufacturer	A re-labeler may also have an MVX code—it is a distributor but not a manufacturer. Example: Manufacturer Sanofi has MVX Code "PMC"	None	Vaccine Manufacturer Name: The manufacturer of the vaccine that was administered.	DINV-2016

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
NDC	an identifier assigned to a vaccine product type identifying the labeler, product and trade package size	The NDC (National Drug Code) is assigned by FDA and the manufacturer. Example: 58160-0810-11 (DTaP - Infanrix)	None	None	DINV-2016 DQA-2013 INV-2012
Order	a request for vaccines placed by a provider organization	None	None	None	DINV-2016 INV-2012
Order ID	a unique identifier assigned to an order by the IIS	Each order will have an ExIS order ID and a VTrckS order ID. The numbers will be different. Each order ID must be unique within its own system.	None	None	INV-2012
Order Line	an item of an order specifying the vaccine product type being ordered	Each order line has a unique identifier.	None	None	INV-2012

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Order Line Split Indicator	an indicator of whether an order line item quantity shipped is less than the quantity requested	“Order Line Split Indicator” is the new name for the field previously called “Partial Shipment Indicator.” The new name was selected because the previous term gave the impression that only part of the vaccine was shipped when in fact it was all shipped but was associated with multiple delivery numbers.	None	None	INV-2012
Order Line Status	the state of an order line in process from an order approval to completion	Example: received, open, backordered, shipped, cancelled	None	None	INV-2012
Order Status	the state of an order in process from submission by a provider organization to completion of the order	Example: received, accepted, exception, backordered, cancelled, completed	None	None	INV-2012
Organization	a party that is a body of people with a particular purpose	None	None	None	RR-2009

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Party	a person or organization	None	None	None	RR-2009
Patient	a person who is the actual or potential recipient of a vaccine	None	None	The CDC endorsed data element list does not include some group-level concepts at this time. There are some related terms. For example: Patient Alias Name: First: the first name of a patient's alternate or also-known-as name Patient Alias Name: Last: the last name of a patient's alternate or also-known-as name Patient Alias Name: Middle: the middle name of a patient's alternate or also-known-as name. Patient Name: First: the patient's first name Patient Name: Last: the patient's last name Patient Name: Middle: the patient's middle name	CR-2017 DINV-2016 PAIS-2015 DQA-2013 INV-2012 DLE-2011 RR-2009 DQA-2008 VD-2006
Patient First Name	the patient's first name	None	None	Patient Name: First: The patient's first name.	DQA-2013 DQA-2008 VD-2006

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Patient Last Name	the patient's last name	None	None	Patient Name: Last: The patient's last name.	DQA-2013 DQA-2008 VD-2006
Patient Middle Name	the patient's middle name	None	None	Patient Name: Middle: The patient's middle name.	DQA-2013 DQA-2008 VD-2006
Patient Name	a word or phrase that constitutes the distinctive designation of a patient	Note that the "suffix" of a patient name is used as a factor in the deduplication process.	None	None	None
Patient Status	an indicator of an organization's accountability for a patient's immunizations	Patient status does not describe how a patient's immunizations relate to the recommended immunization schedule, i.e., current/not current.	None	None	None
Patient Status at Geographic Jurisdiction Level	a patient status with respect to an immunization program	Example: active, inactive, unknown or deceased.	Patient Status - GJ	Patient Status Indicator-Jurisdiction Level: The patient/geographic jurisdiction status determined from address information when the patient's address within the jurisdiction is known.	PAIS-2015

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Patient Status at Provider Organization Level	a patient status with respect to a provider organization	Example: active, inactive or deceased.	Patient Status - PO	Patient Status Indicator-Provider Level: The current active/inactive status of the patient in relation to the provider organization.	PAIS-2015
Person	a human being	None	None	None	None
PO Type/Sub-Type	a categorization assigned by an IIS to a provider organization based on a combination of services provided and the cohort served by the provider organization	Example: Type = Specialty Provider, Sub-type = OB/GYN	None	None	PAIS-2015 DQA-2013
Provider	a person who is a medical professional or clinician who works for a provider organization	None	None	None	DINV-2016 DQA-2013 INV-2012 DLE-2011 RR-2009

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Provider Organization (PO)	<p>an organization that has any combination of the following characteristics:</p> <ul style="list-style-type: none"> • provides vaccination services • responsible for an entity that provides vaccination services • manages inventory for an entity that provides vaccination services 	<p>When authorized by IIS, provider organization may be IIS-AO.</p> <p>Provider organization may contain organizational units, such as clinics, facilities, sites, departments, etc. Each of these organizational units may have IIS-assigned IDs (IIS-AO IDs) that are different from IDs of the provider organization. See the MIROW 2013 DQA guide for a detailed discussion.</p> <p>When referencing a provider organization in a MIROW guide we are referring to an organization that is also an IIS-authorized organization.</p>	None	<p>No matching term to provider organization is defined. There are some related terms. For example:</p> <p>Administered at Location: The facility name/identifier of the facility that administered the immunization.</p>	<p>DINV-2016 PAIS-2015 INV-2012 DLE-2011 DQA-2008 VD-2006</p>

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Public Health Entity	a governmental agency with public health oversight over a geographic jurisdiction and/or its population	None	None	None	RR-2009
Recommended Immunization Schedule	a collection of antigen series that specify various paths to achieve presumed immunity against respective diseases as defined by an organization (e.g., Advisory Committee on Immunization Practices)	None	None	None	RR-2009
Recommended Vaccination	the vaccine that is recommended based on a patient 's immunization history and in accordance with an immunization schedule	None	None	None	RR-2009

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Recorder	an IIS-AO that records information in an IIS-AO data exchange system or a user interface	None	None	None	None
Reminder/Recall Criteria	a set of conditions (filters) used to produce the list of reminder/recall candidates	Example: individual/patient age (DOB), opt-out from reminder/recall process in whole or in part, etc.	R/R Criteria	No matching term to Reminder/Recall Criteria is defined. There is a related term. For example: Reminder/Recall Status: Whether or not a person wishes to be contacted in a reminder or recall situation. (Publicity Code)	RR-2009
Reminder/Recall Distributor	an organization that receives a reminder/recall notification from a reminder/recall originator and distributes it to the patient or responsible party	Example: school, provider	R/R Distributor	None	RR-2009
Reminder/Recall Frequency	a repetition rate for a reminder/recall notification during the R/R process	Reflects how much time should pass between notification attempts.	R/R Frequency	None	RR-2009

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Reminder/Recall Notification	a communication indicating that a patient has one or more recommended vaccinations due or past due	The vaccinations may be past due, due now or due in the future. The communication is sent to either the patient or the responsible party based on the established reminder/recall protocol.	R/R Notification	None	RR-2009
Reminder/Recall Originator	the organization that is responsible for generating the reminder/recall notification	None	R/R Originator	None	RR-2009
Reminder/Recall Outcome	the results associated with reminder/recall notification that may impact a patient's immunization status or patient status	None	R/R Outcome	None	RR-2009
Reminder/Recall Protocol	a set of rules and procedures used to guide the reminder/recall process	None	R/R Protocol	None	RR-2009

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Reminder/Recall Recipient	the person to which the reminder/recall notification is addressed	Example: patient, parent/guardian, provider, etc.	R/R Recipient	None	RR-2009
Reminder/Recall Report	a report listing one or more patients with one or more recommended vaccinations due now or in the future	None	R/R Report	None	PAIS-2015
Reminder/Recall Response	a result associated with a reminder/recall notification that characterizes the communication process	Example: completed phone calls, postcards returned	R/R Response	None	RR-2009
Residence	a location where a person resides	A residence can be derived from an address.	None	None	PAIS-2015

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Responsible Party	a person responsible for a patient	Example: parent, mother, father, guardian	Responsible Person	The CDC endorsed data element list does not include some group-level concepts at this time. There are some related terms. For example: Responsible Person Name: First: the first name of the person responsible for the patient. Multiple names for the same person are allowed. Responsible Person Name: Last: the last name of the person responsible for the patient. Multiple names for the same person are allowed. Responsible Person Name: Middle: the middle name of the person responsible for the patient. Multiple names for the same person are allowed. Responsible Person Relationship to Patient: the actual personal relationship that the responsible person has to the patient.	PAIS-2015 DQA-2013 INV-2012 DLE-2011 RR-2009
Shipment	the vaccine doses sent to a provider organization	None	None	None	DINV-2016 INV-2012
Shipment ID	a unique identifier assigned to a shipment	None	None	None	INV-2012

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Shipment Line	an item of a shipment specifying the vaccine being shipped	Each shipment line has a unique identifier.	None	None	INV-2012
Shipment Status	the state of a shipment in process from shipping by originator to delivery to a provider organization	Example: in transit, shipped	None	None	DINV-2016 INV-2012
Shipment Type	an indication of where the shipment originated	Example: regular (distributor), direct (manufacturer)	Shipment Type	None	DINV-2016
Submission	a collection of information sent from an IIS-AO to an IIS	None	None	None	PAIS-2015 DQA-2013 DQA-2008
Submission Date	the date a submission is received by an IIS	None	None	None	CR-2017 DINV-2016 PAIS-2015 DQA-2013 DQA-2008
Submission Date Loaded	the date a submission is loaded into an IIS	None	None	None	DQA-2008 VD-2006

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Submitter	an IIS-AO that submits information to an IIS or to an intermediary submitter with an IIS as the final destination	None	None	No matching term to Submitter is defined. There are some related terms. For example: Sending Organization: The identifier of the organization that connects to the IIS and submits the record.	DQA-2008 VD-2006
Trade Name	the manufacturer's proprietary name for a vaccine type	Some trade names include the intended use in the name, such as adults, pediatrics. Example: ACTHIB, Comvax, EngerixB-Peds, EngerixB-Adult.	None	None	DINV-2016 DQA-2013 INV-2012 DQA-2008 VD-2006
Vaccination Encounter	an opportunity for one or more vaccination events to occur	During a vaccination encounter, there may be one to several vaccination events for the same patient. A vaccination encounter may also be a refusal of vaccination, in which case there would be no vaccination events associated with the vaccination encounter.	None	No matching term to Vaccination Encounter is defined. There are some related terms. For example: Exemptions/refusals of Vaccine: the reason for an exemption/refusal	PAIS-2015 DQA-2013 INV-2012 DLE-2011 RR-2009 DQA-2008 VD-2006

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Vaccination Encounter Date	the date of a vaccination encounter	Vaccination encounter represents an interaction (e.g., office visit) between a patient and a provider organization during which zero, one, or more vaccination events occurred. In some cases, no vaccination events take place at a vaccination encounter (e.g., a patient refuses vaccinations).	None	No matching term to Vaccination Encounter Date is defined. There is a related term. For example: Exemptions/Refusals Date: the date that the refusal or deferral was recorded.	CR-2017 PAIS-2015
Vaccination Encounter Type	a kind of vaccination encounter	Used to indicate if the vaccination encounter was the result of a special event, such as a mass vaccination or not. Example: office visit, mass vaccination clinic	None	None	PAIS-2015

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Vaccination Event (VE)	a medical occurrence of administering one vaccine to a patient	Several vaccination events can happen within one vaccination encounter. Example: a “needle stick”	None	No matching term to Vaccination Event is defined. There is a related term. For example: Vaccination Event ID: The vaccination event’s unique identifier assigned by the submitting system.	CR-2017 DINV-2016 PAIS-2015 DQA-2013 INV-2012 DLE-2011 RR-2009 DQA-2008 VD-2006
Vaccination Event Date	the date of the vaccination event	Vaccination encounter represents an interaction (e.g. office visit) between a patient and a provider organization during which zero, one, or more vaccination events occurred. In some cases, no vaccination events take place at a vaccination encounter (e.g., a patient refuses vaccinations).	Vaccination Administration Date	Vaccination Administration Date: The date the vaccination event occurred.	DINV-2016 DQA-2008 VD-2006

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Vaccination Event Submission	a submission regarding a vaccination event(s)	From Common Vocabulary Workgroup meeting January 10, 2019: Vaccination event does not include refusals or contraindications. These are reported as part of the vaccination encounter.	None	None	DINV-2016 DQA-2013 DQA-2008 VD-2006
Vaccinator	an IIS-AO that vaccinates a patient	None	None	No matching term to Vaccinator is defined. There are some related terms. For example: Administered at Location: The facility name/identifier of the facility that administered the immunization.	None

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
Vaccine	a dose of substance administered during a vaccination event	<p>Vaccine is a classification of a vaccine product type that is described by a lot number. The lot number is not a unique identifier, rather it identifies a group of vaccines.</p> <p>Combination Example:</p> <ul style="list-style-type: none"> • Vaccine Type = HepB - CVX Code = 8 • Vaccine Product Type: - NDC = 58160-0820-11 - Manufacturer/MVX code = SKB - Trade Name = ENGERIX B-PEDS • Vaccine: - Lot Number = ABCD - Lot Number Expiration Date = MM/DD/YYYY 	Vaccine Dose	None	DINV-2016 PAIS-2015 DQA-2013 INV-2012 DLE-2011 RR-2009 DQA-2008 VD-2006

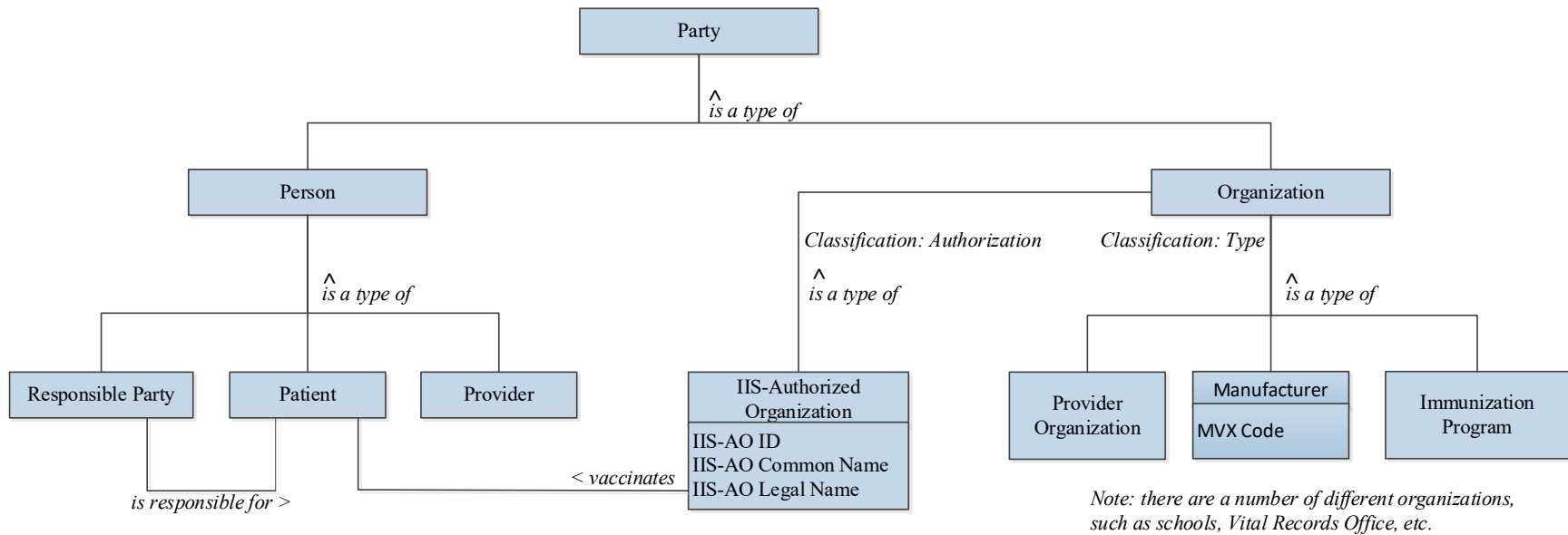
Vaccine Product Type	a classification that describes the manufacturer , and presentation of a vaccine type	<p>The vaccine product type includes attributes NDC, etc. In addition, the vaccine product type is related to the vaccine type which is a broader grouping, and also to the vaccine that is a specific value.</p> <p>Examples of vaccine product types that belong to the same vaccine type of HepB, CVX Code = 8, but have different NDC codes:</p> <ul style="list-style-type: none"> • Vaccine Product Type 1 <ul style="list-style-type: none"> - NDC = 58160-0820-11 - Manufacturer/MVX code = SKB - Trade Name = ENGERIX B-PEDS • Vaccine Product Type 2 <ul style="list-style-type: none"> - NDC = 00006-4981-00 - Manufacturer/MVX code = MSD 	Vaccine Presentation Type	No matching term to Vaccine Product Type is defined. There are some related terms. For example: Vaccine Product: The vaccine type that may be administered, historical or refused, and is messaged using the NDC or CVX code sets.	DINV-2016 DQA-2013 INV-2012
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Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
		- Trade Name = RECOMBIVAX-PEDS			
Vaccine Program	a part of an immunization program that focuses on ensuring vaccinations are available to the population	Vaccine Program contains both awardee vaccine program and VFC vaccine program.	None	None	INV-2012 DLE-2011
Vaccine Type	a classification of vaccines that describes the disease to which it provides immunity	The vaccine type includes attributes CVX code, etc. In addition, the vaccine type is related to one or more vaccine product type(s) which is more specific indicating manufacturer, and also the vaccine that is a specific dose. Example: MMR, Hib-HepB, HepB-Peds	None	No matching term to Vaccine Type is defined. There are some related terms. For example: Vaccine Product: The vaccine type that may be administered, historical or refused, and is messaged using the NDC or CVX code sets.	DINV-2016 PAIS-2015 DQA-2013 DQA-2008 VD-2006

Term	Definition	Comment	Term Alias	CDC Endorsed Data Element X-Walk	MIROW Guide
VFC Program	a federally funded program that provides vaccines at no cost to children who might not otherwise be vaccinated because of inability to pay	None	None	None	INV-2012 DLE-2011

Domain Diagrams

Party Neighborhood



Facts

- Responsible Party *is responsible for* Patient.
- IIS-Authorized Organization *vaccinates* Patient.

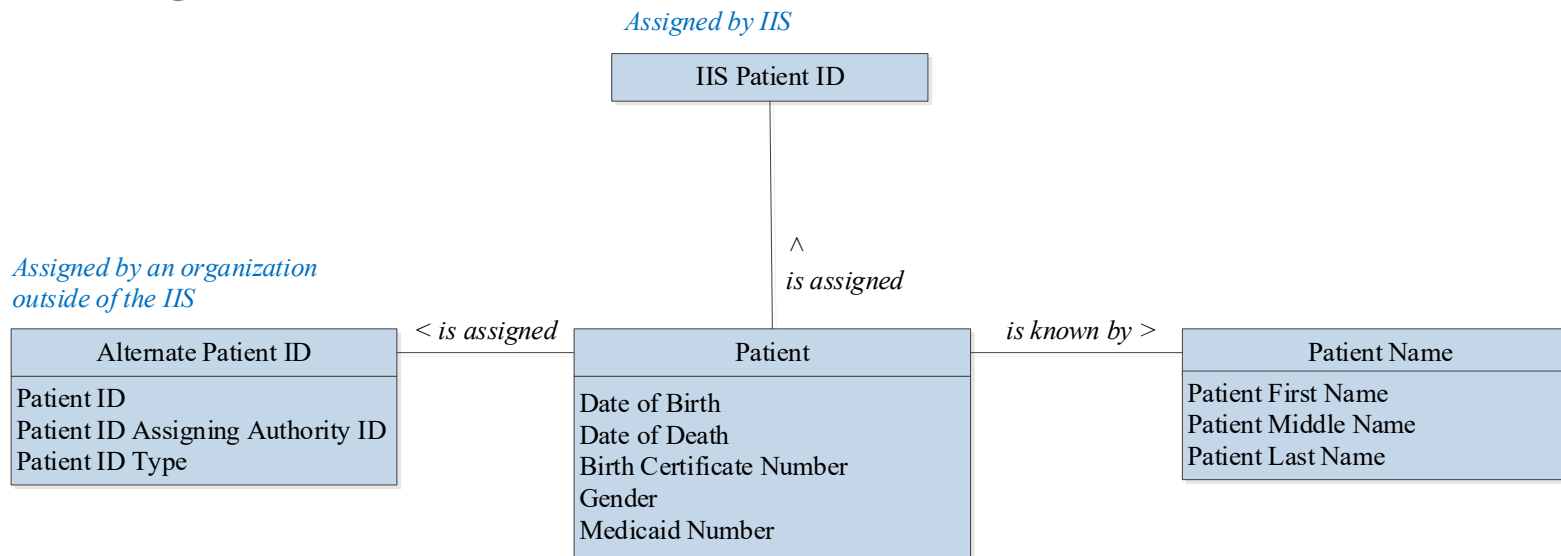
Party Contact Neighborhood



Facts

- Party *is reached at* Address.
- Party *is contacted via* Contact Method.

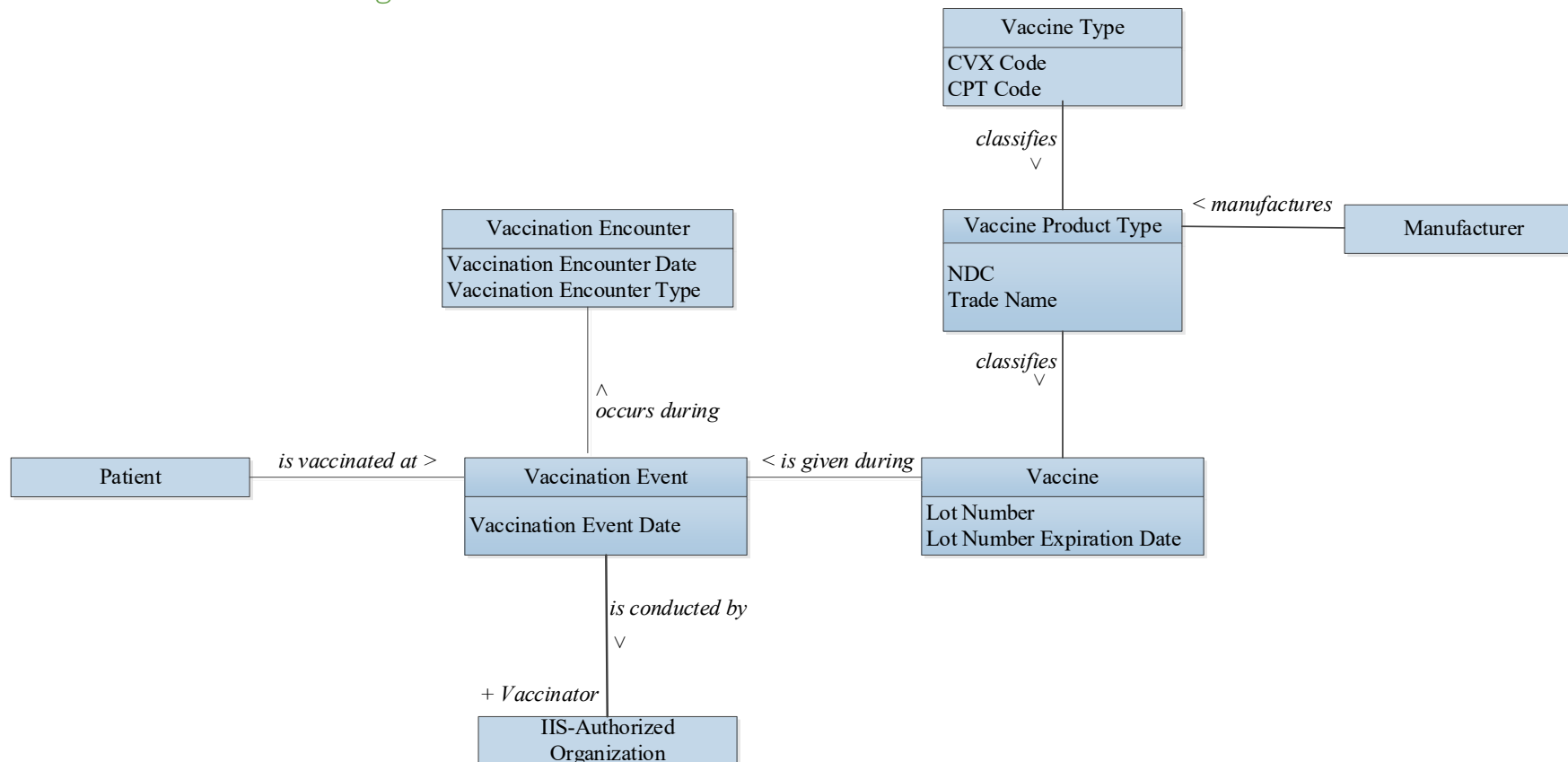
Patient Neighborhood



Facts

- Patient *is assigned* IIS Patient ID.
- Patient *is known by* Patient Name.
- Patient *is assigned* Alternate Patient ID.

Vaccination Encounter Neighborhood



Facts

- Vaccine Type *classifies* Vaccine Product Type.
- Vaccine Product Type *classifies* Vaccine.
- Manufacturer *manufactures* Vaccine Product Type.
- Vaccine *is given during* Vaccination Event.
- Vaccination Event *occurs during* Vaccination Encounter.
- Vaccination Event *is conducted by* [Vaccinator] IIS-Authorized Organization.
- Patient *is vaccinated at* Vaccination Event.

MIROW Guide Reference

The following MIROW guide reference provides a reference for each of the MIROW Guides, the name of each guide, as well as the acronym used as a reference in the term reports.

Guide Name	Acronym
<u>Management of Patient Active/Inactive Status in Immunization Information Systems</u>	PAIS-2015
<u>Vaccination Level Deduplication in Immunization Information Systems</u>	VD-2006
<u>Data Quality Assurance in Immunization Information Systems: Incoming Data</u>	DQA-2008
<u>Reminder/Recall in Immunization Information Systems</u>	RR-2009
<u>Immunization Information System Collaboration with Vaccines for Children Program and Grantee Immunization Programs</u>	DLE-2011
<u>Immunization Information System Inventory Management Operations</u>	INV-2012
<u>Data Quality Assurance in Immunization Information Systems: Selected Aspects</u>	DQA-2013
<u>Decrementing Inventory via Electronic Data Exchange</u>	DINV-2016
<u>Consolidating Demographic Records and Vaccination Event Records</u>	CR-2017

Report Legend

The following report legend provides an explanation of each item captured in support of each term. Note each term will have some or all the items completed as appropriate.

Report Label	Description
Term (Acronym)	The term name. If there is an acronym for the term, it appears in parentheses.
Definition	The meaning of the term.
Comment	An observation intended to explain, illustrate, annotate, or critique.
Example	A sample that may be taken as typical or representative.
Term Alias	A synonym of the term.
CDC-Endorsed Data Element X-Walk	A reference source showing the mapping between the MIROW term and the term(s) in CDC Endorsed Data Elements. Each reference will include the associated definition. Category 1 and 2 MIROW terms should have x-walk reference(s).
MIROW Guide	The MIROW Guide Reference where the term has been defined.