DQA Database ERD

Database Log

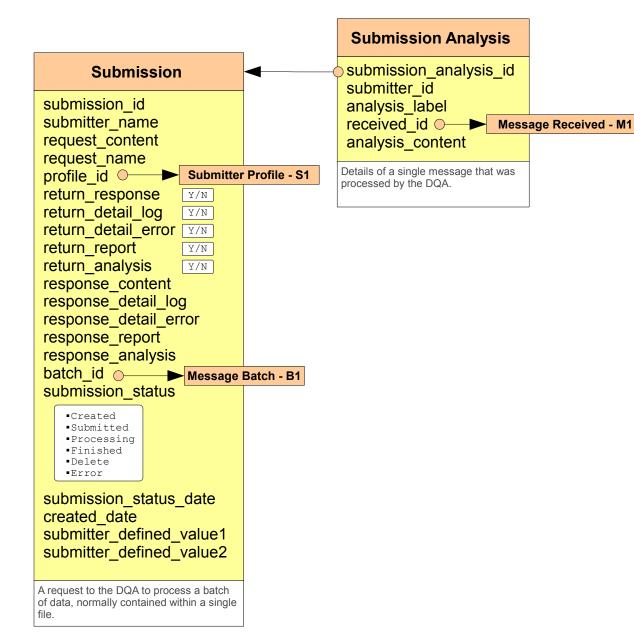
change_id change_date change_version change_comment

A single upgrade event with details on how the upgrade script changed the database. The most recent indicates the current database version.

Keyed Setting

keyed_id keyed_code object_code object_id keyed_value

A user defined value that is stored in the context of the application or other system object. Holds system specific settings.



DATA QUALITY ASSURANCE - ENTITY RELATIONSHIP DIAGRAM



User Account

username password account_type

- •Admin
- •Submitter/

org_id ○ email

A person who has rights to access DQA web user interface directly.

Organization

org_id
org_label
org_parent_id
coded_value
primary_profile_id
org_local_code

An organization that manages or submits data.

Potential Issue Status - I1

Message Received - M1

Code Received - M1

Message Batch - B1

Submitter Profile

profile_id profile_label profile_status

- •Setup
- ■Test ■Prod
- ■Hold ■Closed
- ■Template

org_id •HL7v2
data_format
transfer priority

- •Normal
- ■High ■Highest
- •Low •Lowest

access_key template_id

A specific data transmission interface. Often referred simply to as the "profile". Submitting organizations normally have at least one profile, but may have more to support additional interfaces.

Report Template

template_id
template_label
application_id
report_type_id
report_definition
base_profile_id

A set of defaults that are applied when creating a new profile. Every application is defined with a default report template that is used when creating profiles, when no other specific report template is specified.

ERD.ods

Application

A single instance of the DQA in operation. When running the DQA acts as one-and-only one application, defined by the only row where run_this = 'Y'. defined in

ERD.ods

Report Type

report_type_id report_type_label

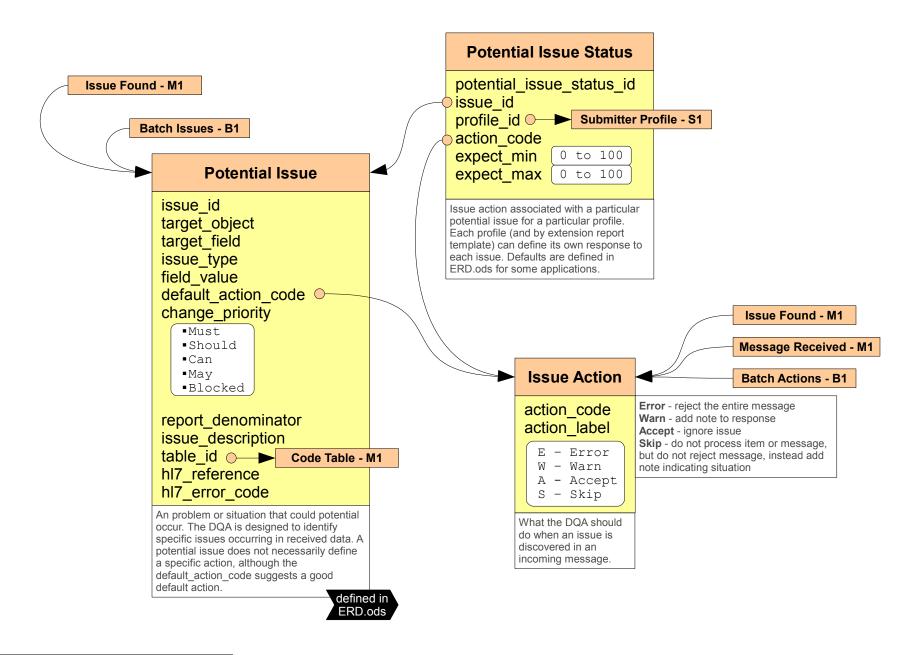
1 - Vacc Admin

2 - Vacc Inventory

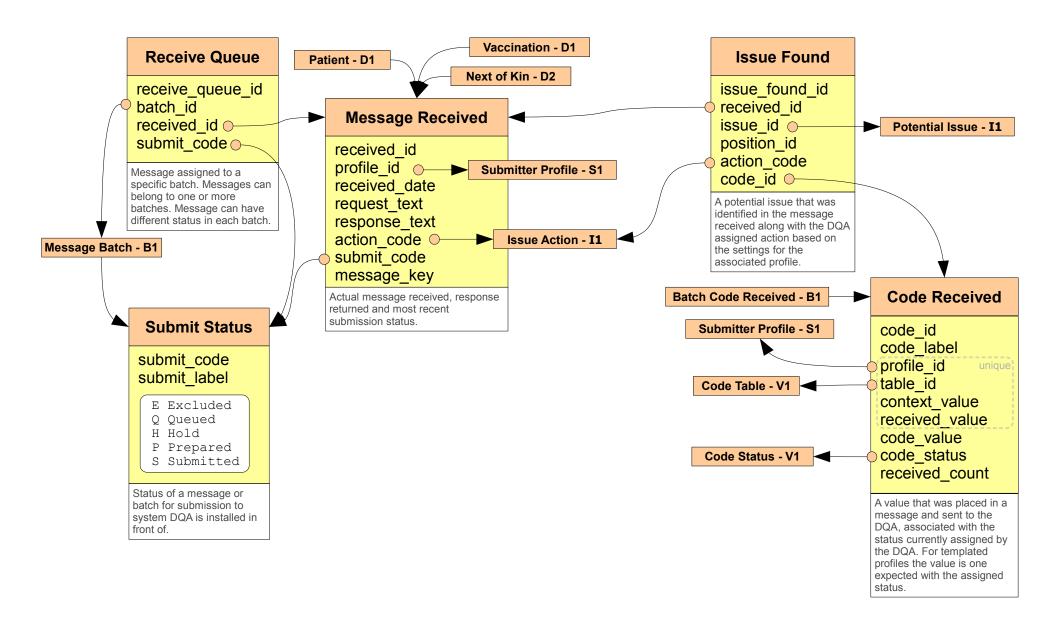
A basic type of report template to categorize templates among different applications. Vacc Admin is a template for reviewing basic vaccination reporting messages and Vacc Inventory is a template for reviewing vaccination reporting for reporting and inventory purposes.

DATA QUALITY ASSURANCE - ENTITY RELATIONSHIP DIAGRAM

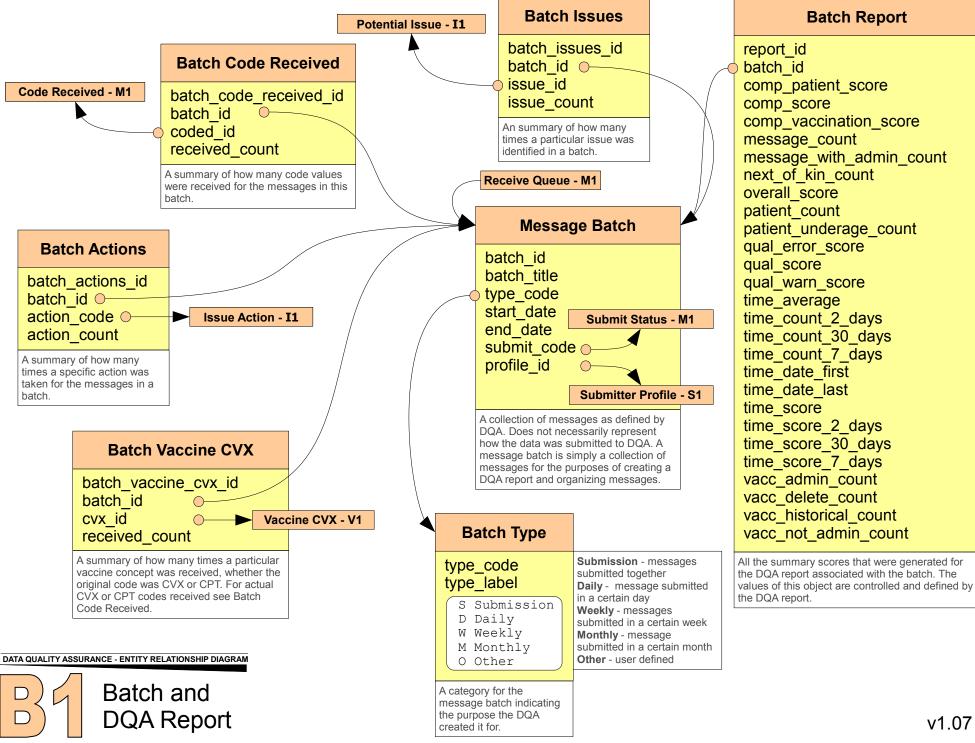












Patient Immunity

immunity_id patient_id skipped immunity_code

Indicates that the patient is immune to a particular disease

Message Received - M1

Patient Address

address_id
patient_id
position_id
skipped
address_city
address_country
address_county_parish
address_state
address_street
address_street2
address_type
address_zip

Detail of address for patient. A patient may have more than one address.

DATA QUALITY ASSURANCE - ENTITY RELATIONSHIP DIAGRAM



Data Received

Patient

patient id received id skipped address city address country address county parish address state address street address street2 address type address zip alias first alias last alias middle alias prefix alias suffix alias type code birth date birth muliple birth order birth place death date death indicator email address ethnicity code facility id

rejected messages.

facility name financial eligibility id medicaid id ssn id submitter assign auth id submitter number id submitter type code mother maiden name name first name last name middle name prefix name suffix name type code phone number phone number is cell physician name first physician name last physician number primary language code protection code publicity code race code registry status sex code

Data fields associated with patient submitted. Represents data as was after validation completed. Coded values may be updated with correct values and invalid fields may be fixed. Required fields may be empty. Includes data from both accepted and

system creation date

Patient Id Number

id_number_id
patient_id
position_id
skipped
id_number
assign_auth
type_code

A patient id number that is used to identify the patient. A patient may have one or more ids.

Patient Phone

phone_id
patient_id
position_id
skipped
phone_number
tel_use_code
tel_equip_code
email_address
country_code
area_code
local_number
extension

Detail on phone number sent. A patient may have more than one phone number.

Vaccination VIS

vis_id
vaccination_id
position_id
skipped
document_code
cvx_code
published_date
presented_date

Vaccine Information Statement that was given to the patient for an administered vaccination.

Vaccination

Message Received - M1

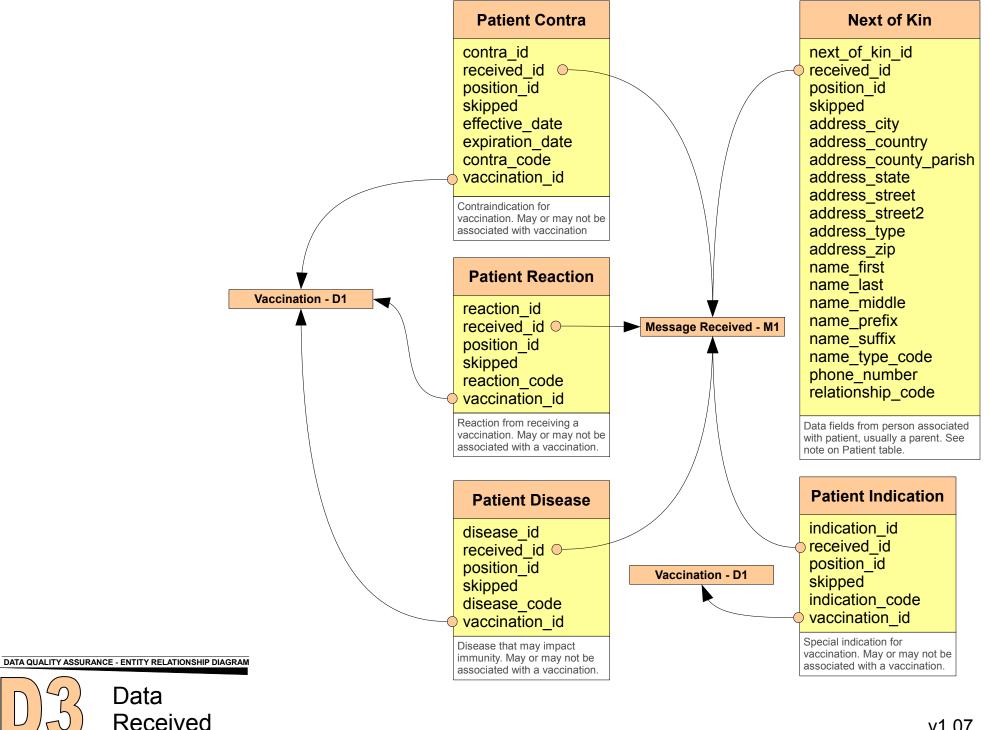
vaccination id received id position id skipped admin code cpt admin code cvx admin date amount amount unit code body route code body site code completion status code confidentiality code entered by number entered by name first entered by name last expiration date facility id facility name facility_type_code

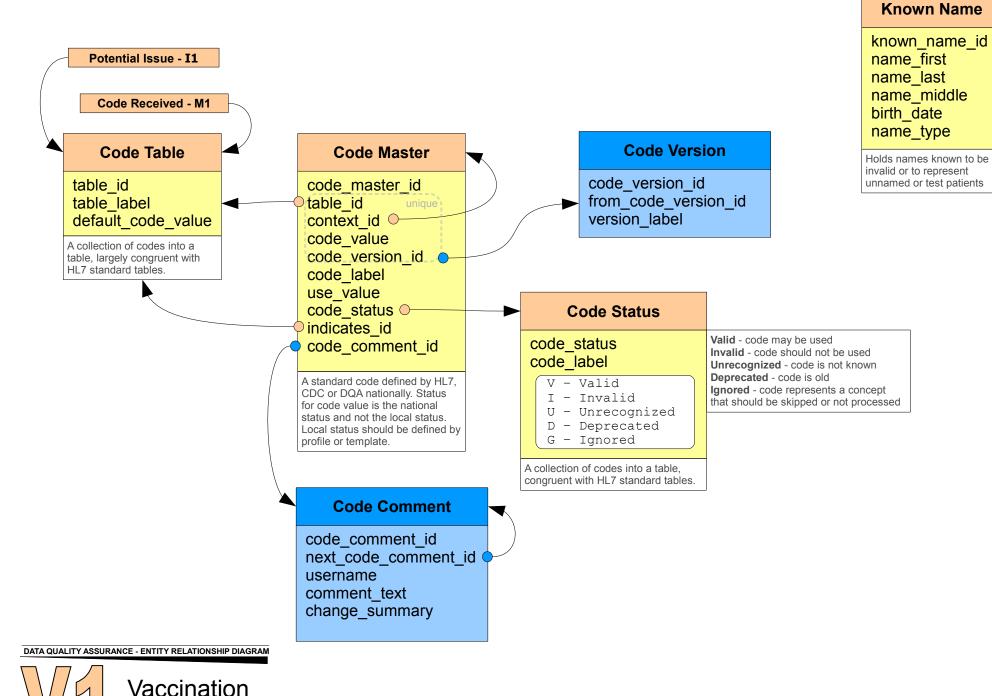
financial eligibility code funding source code given by number given_by name last given_by_name_first id submitter information source code lot number manufacturer code order control code ordered by number refusal code refusal reason system entry date vis publication date vis presented date vis document code trade name code vaccine validity code

Data fields from vaccinations associated with patient. See note on Patient table.

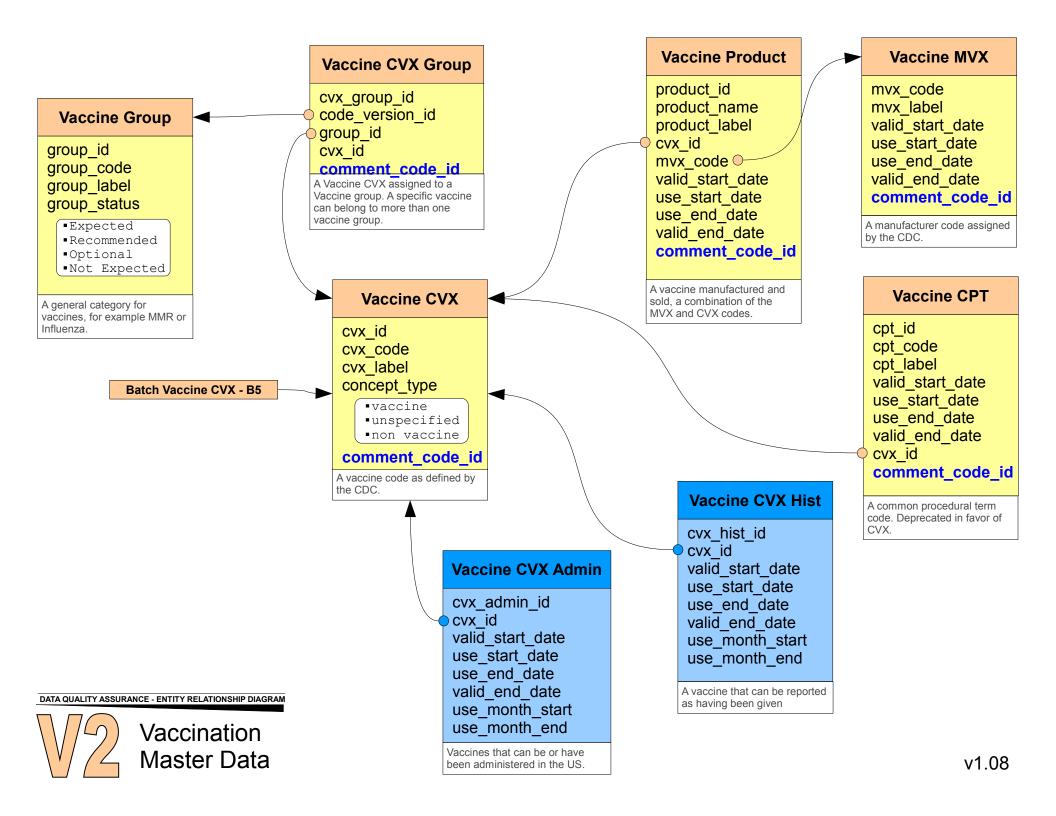
DATA QUALITY ASSURANCE - ENTITY RELATIONSHIP DIAGRAM

Data
Received





Master Data



The Simple Message Mover (SMM) is an instance of the DQA Tester that is configured to submit data to the DQA or directly to an IIS. These tables support the remote SMM as it reports its progress sending data.

Remote Connection

connection_id
connection_code
connection_label
support_center_code
location_to
location_from
account_name
log_level

A single interface of the SMM running. A single instance of SMM can run zero or more interfaces at the same time.

Remote Stat

stat_id connection_id reported_date up_since_date status_label attempt_count sent_count error_count

A single running instance of an interface. This may be running currently or previously run.

Remote File

file_id stat_id reported_date file_name status_label message_count sent_count error_count

A log representing the file that is or was handled by the SMM.

Remote Log

log_id stat_id log_level

0 - Error

1 - Warning

2 - Info 3 - Debug

issue_text exception trace

A note or exception that was logged and reported by the SMM.

DATA QUALITY ASSURANCE - ENTITY RELATIONSHIP DIAGRAM

