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.



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 Ocoded_value
primary_profile_id Ocog_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

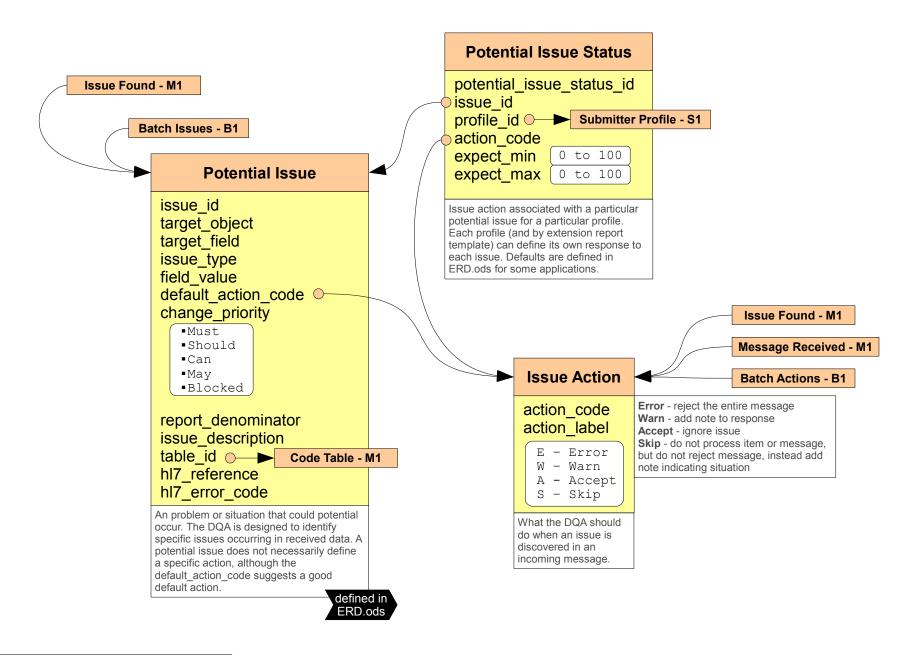
report_type_id report_type_label

1 - Vacc Admin

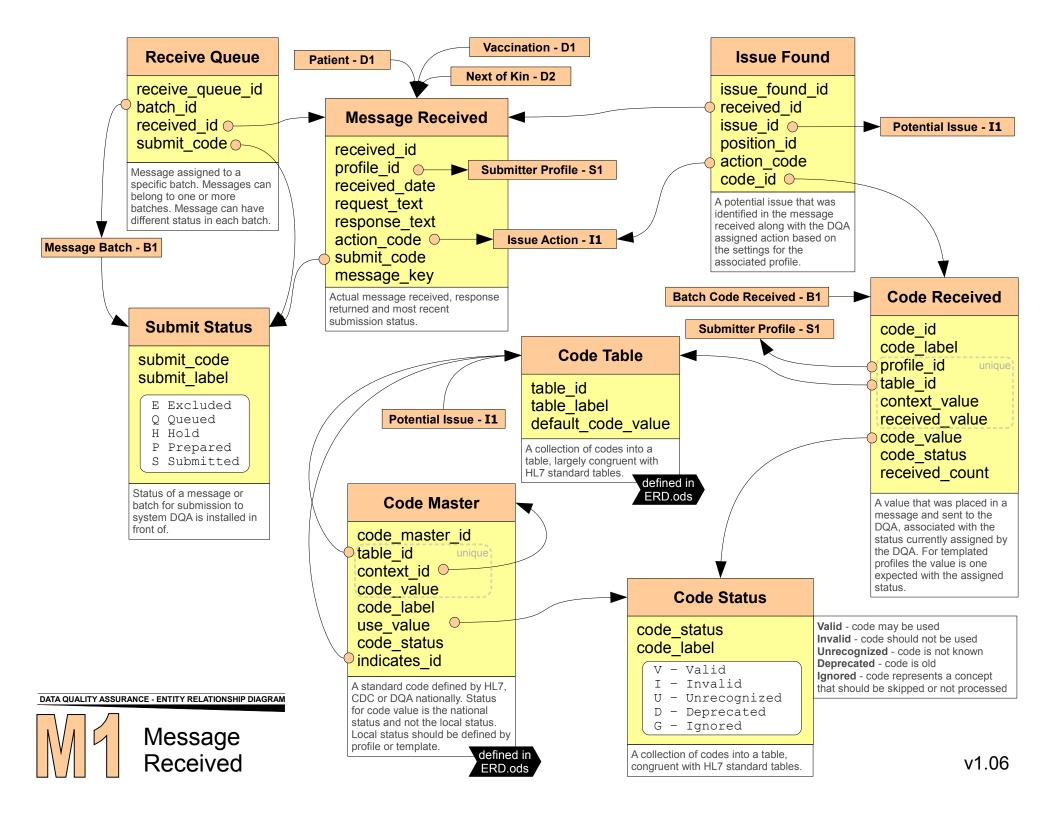
2 - Vacc Inventory

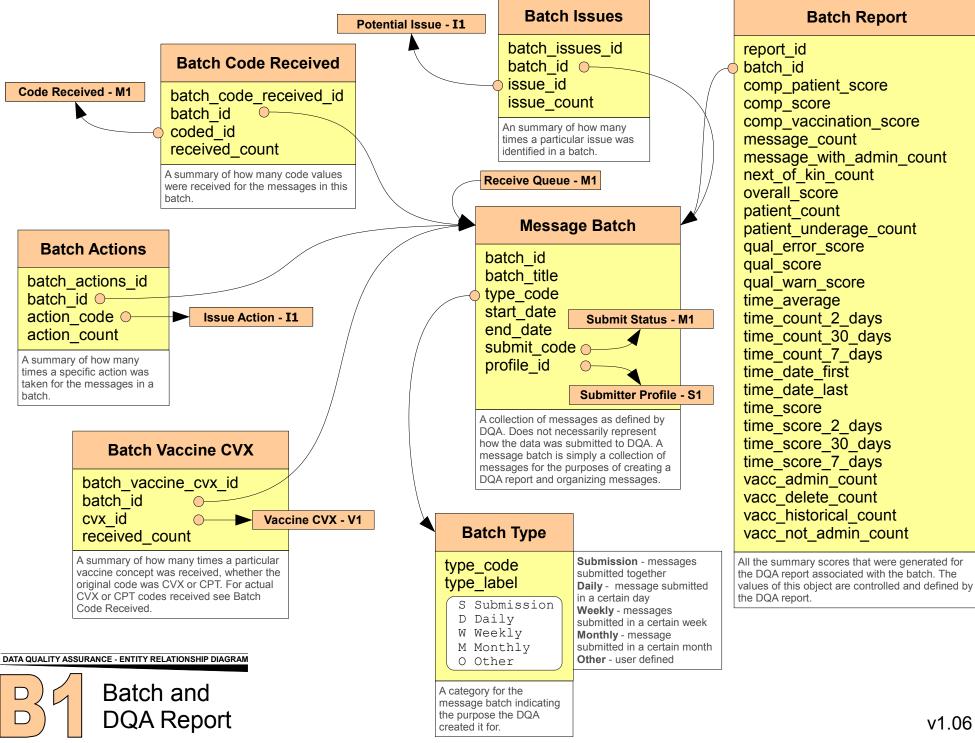
A basic type of report template to categorize templates among different applications. Vacc Admin is a template for reviewing basic vaccination reporting messages and Vacc Inventory is a template for reviewing vaccination reporting for reporting and inventory purposes.











Patient

Message Received - M1

patient id facility name received id financial eligibility skipped id medicaid id ssn address city address country id submitter assign auth address county parish id submitter number address state id submitter type code mother maiden name address street address street2 name first address type name_last address zip name_middle alias first name_prefix alias last name suffix alias middle name type code phone number alias prefix phone number is cell alias suffix alias type code physician name first birth date physician name last physician number birth muliple primary language code birth order birth place protection code death date publicity code death indicator race code email address registry status ethnicity code sex code facility id

DATA QUALITY ASSURANCE - ENTITY RELATIONSHIP DIAGRAM



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 rejected messages.

Vaccination VIS

vis_id
vaccination_id
position_id
skipped
document_code
published_date
presented_date

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

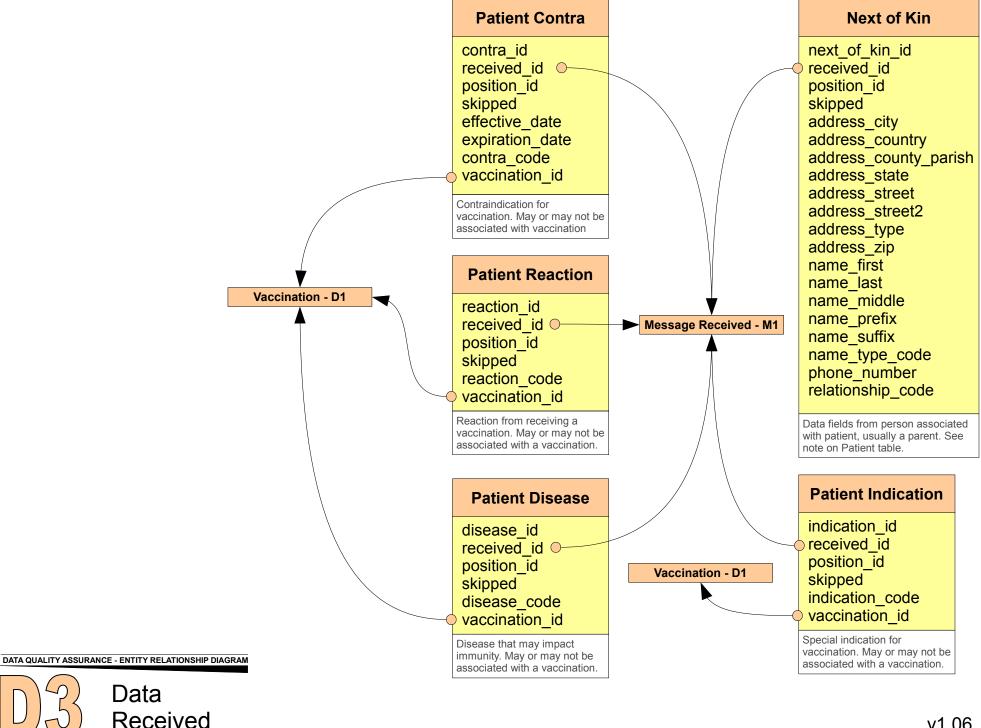
Vaccination

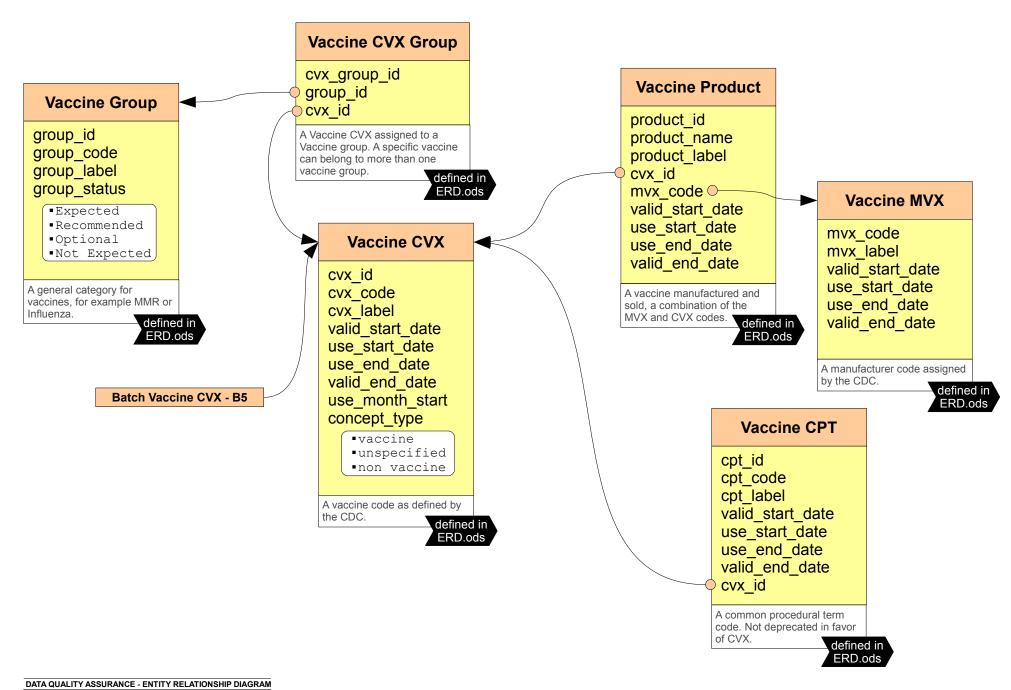
Message Received - M1

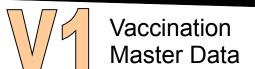
vaccination id received id position id skipped admin code cpt admin code cvx admin date amount amount unit code body route code body site code completion status code confidentiality code entered by number entered by name first entered by name last expiration date facility id facility name

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

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







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.

