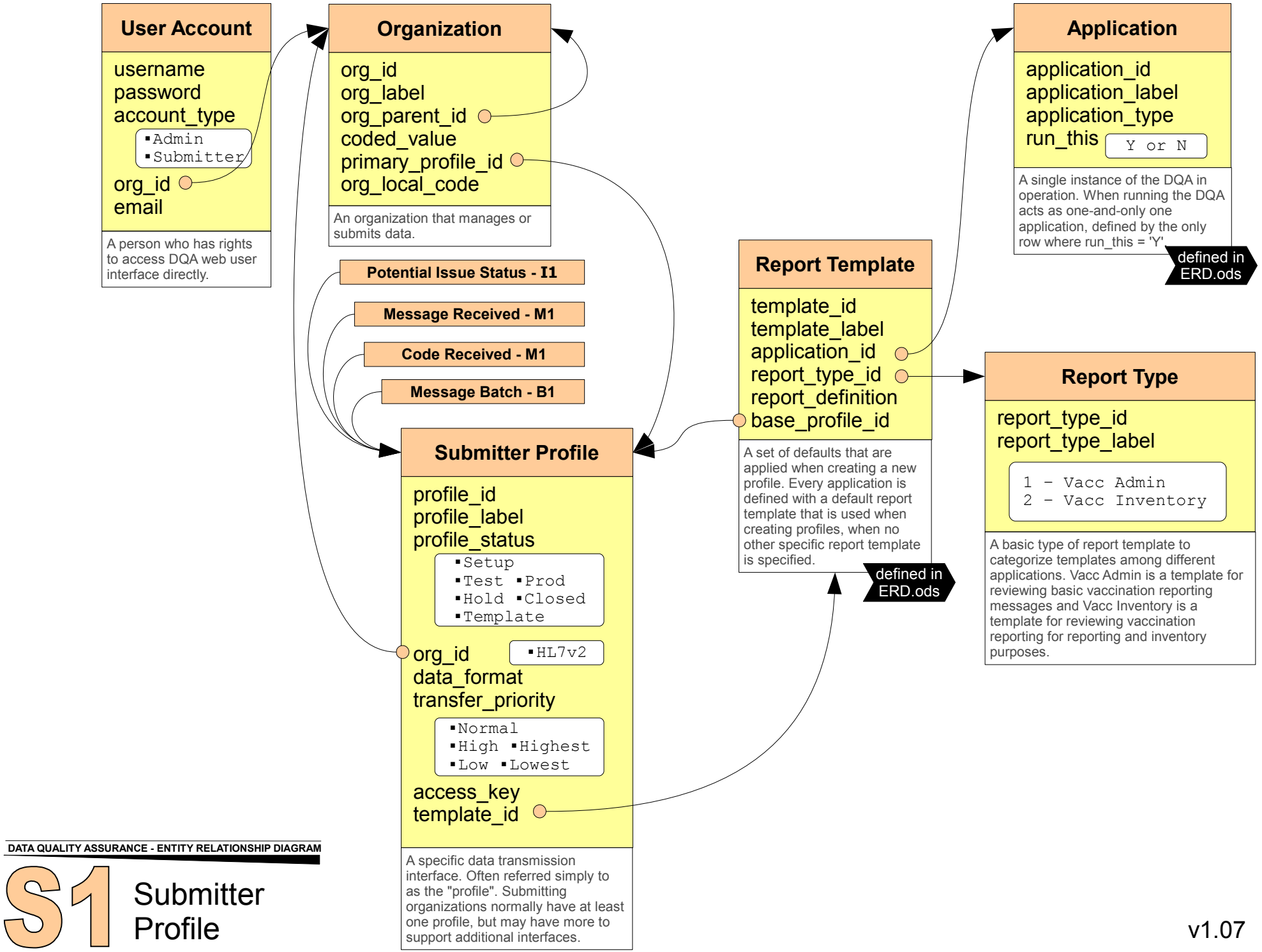
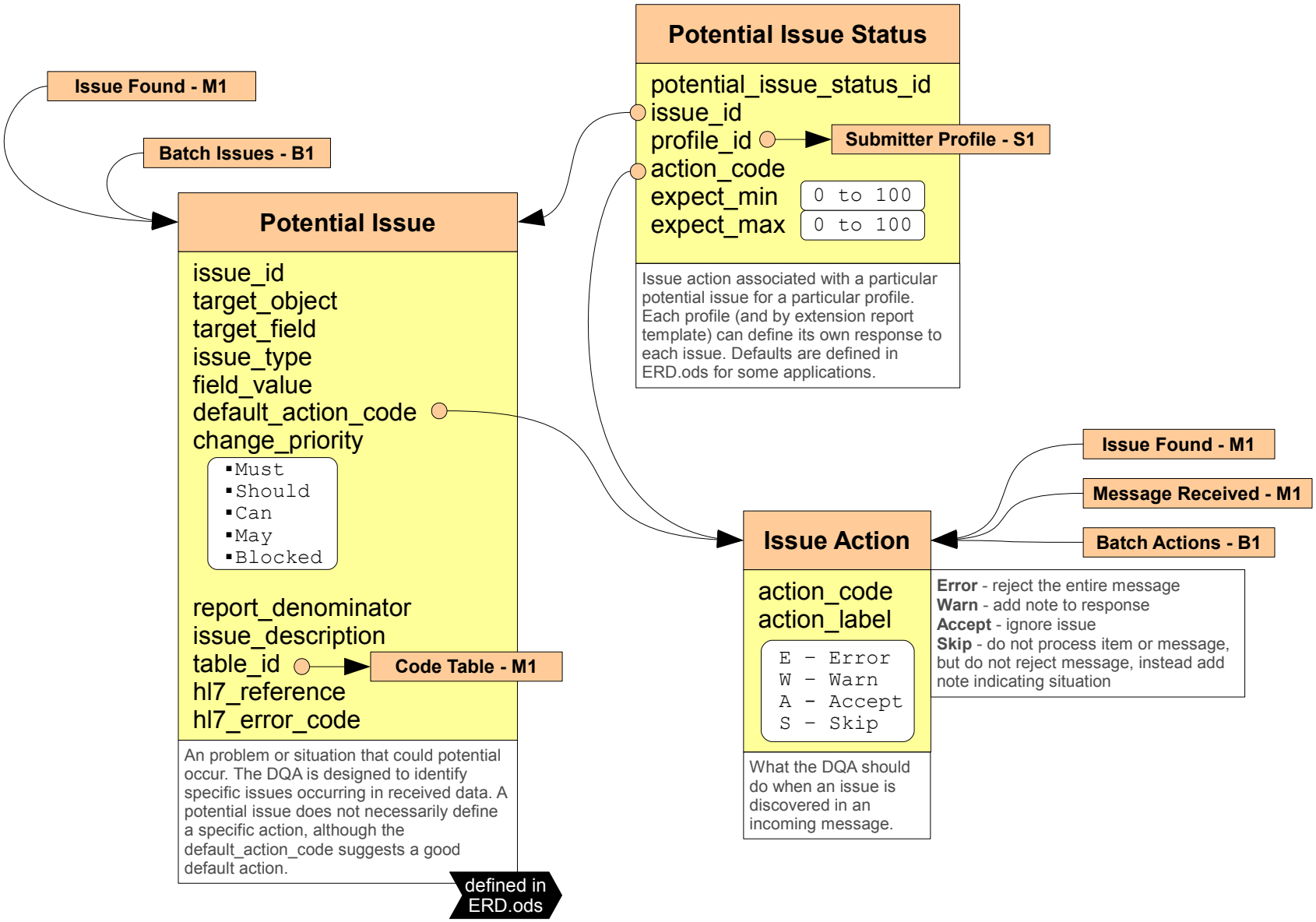
DQA Database ERD

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.

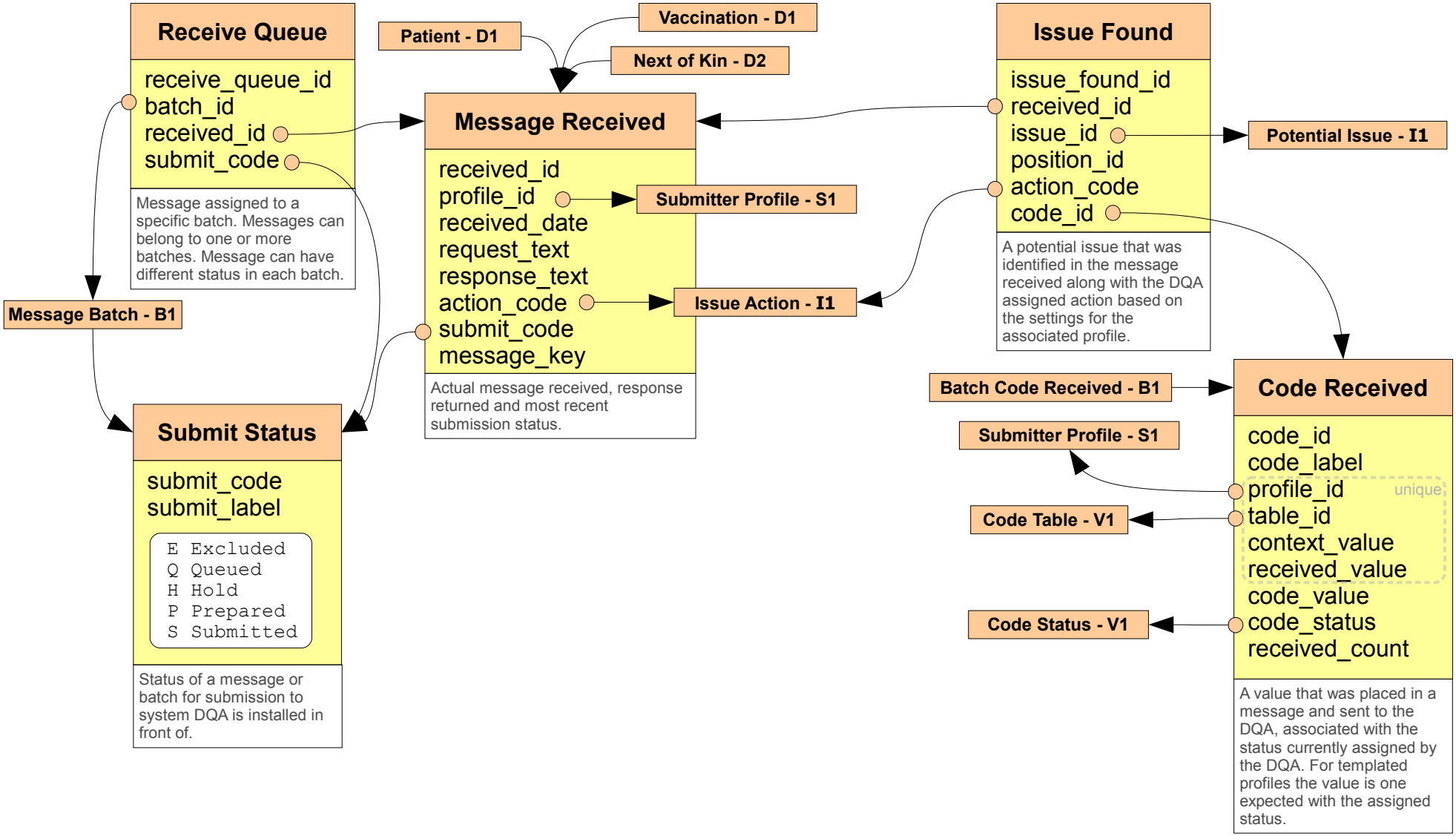

User Account
username
password
account_type
Admin
Submitter
org_id
email
A person who has rights to access DQA web user interface directly.
Organization
org_id
org_label
org_parent_id
coded_value
primary_profile_id
org_local_code
An organization that manages or submits data.
Application
application_id
application_label
application_type
run_this
Y or N
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
Potential Issue Status - I1
Message Received - M1
Code Received - M1
Message Batch - B1
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.
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.
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.
DATA QUALITY ASSURANCE - ENTITY RELATIONSHIP DIAGRAM
S1
Submitter Profile
v1.07



DATA QUALITY ASSURANCE - ENTITY RELATIONSHIP DIAGRAM

I1 Issue Status and Action

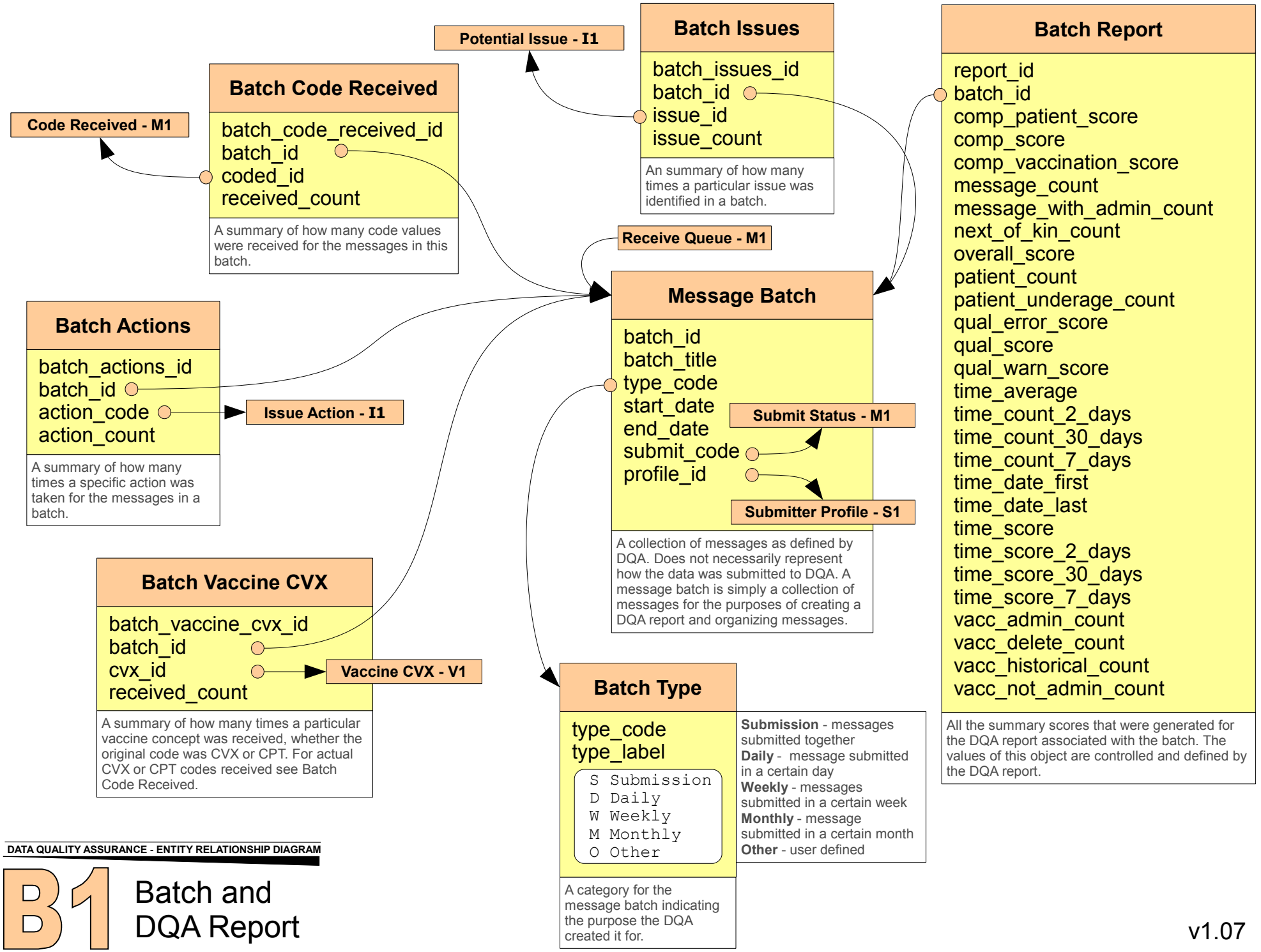
v1.07



DATA QUALITY ASSURANCE - ENTITY RELATIONSHIP DIAGRAM

M1 Message Received

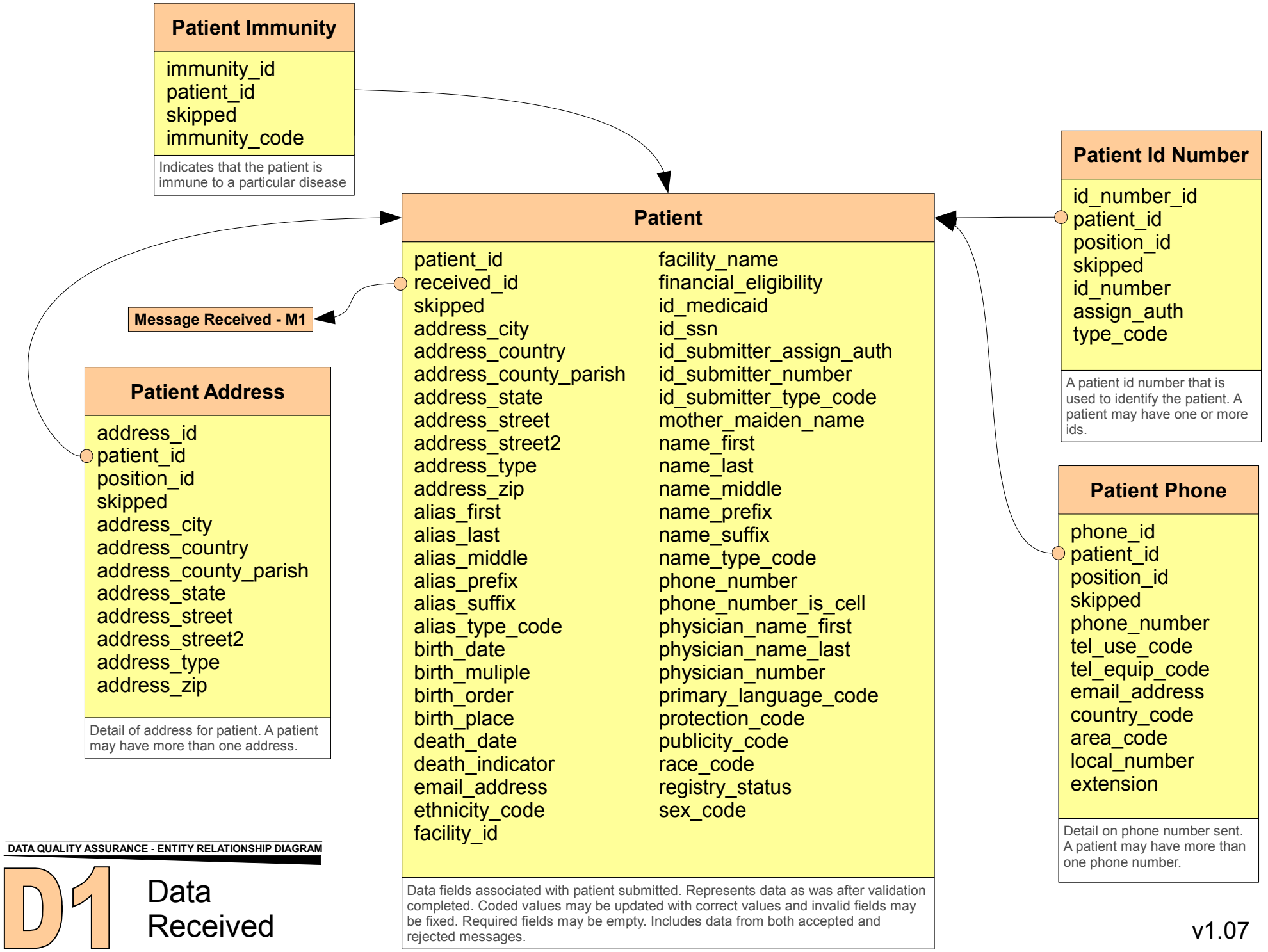
v1.07

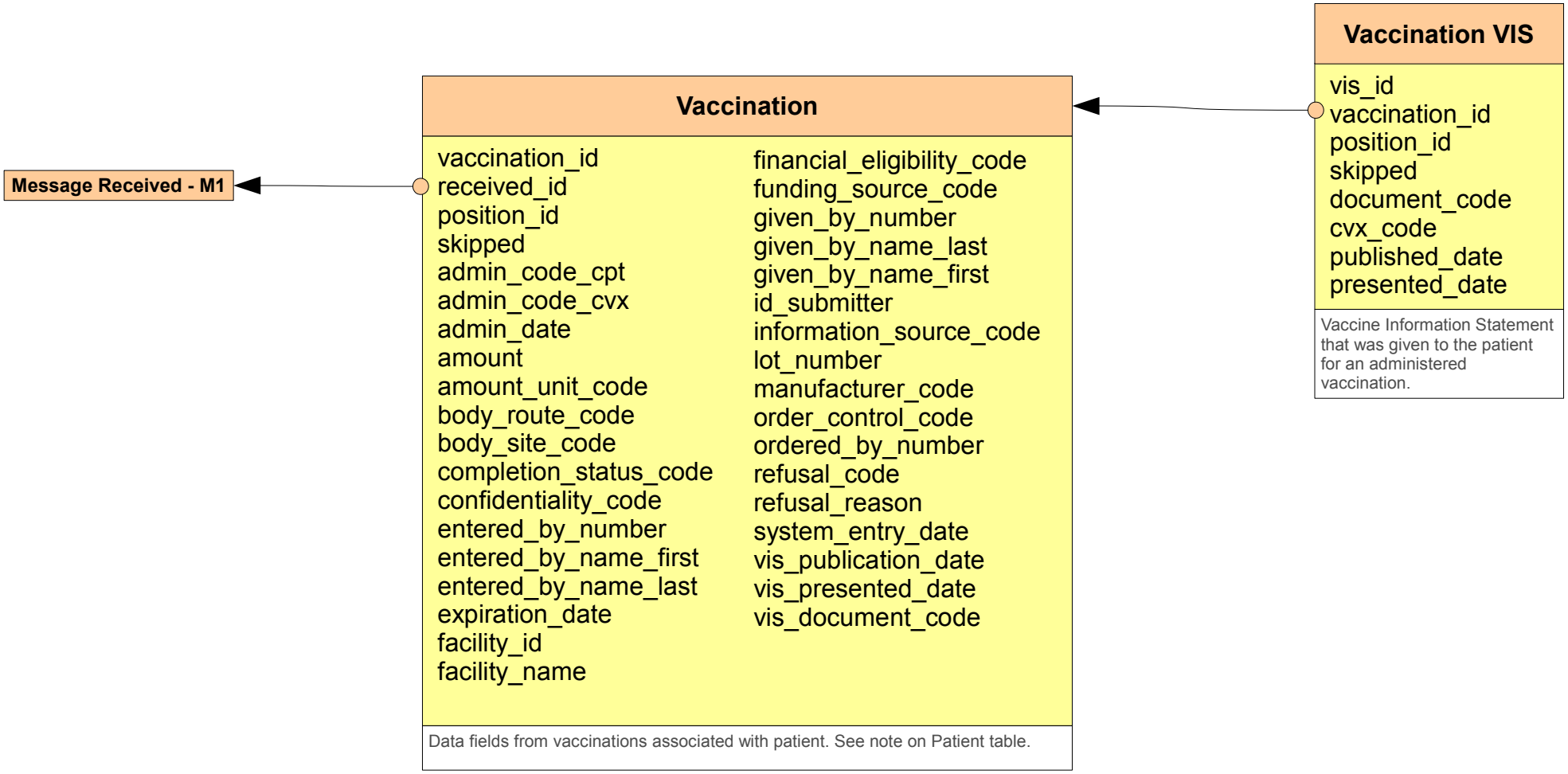


DATA QUALITY ASSURANCE - ENTITY RELATIONSHIP DIAGRAM

B1 Batch and DQA Report

v1.07

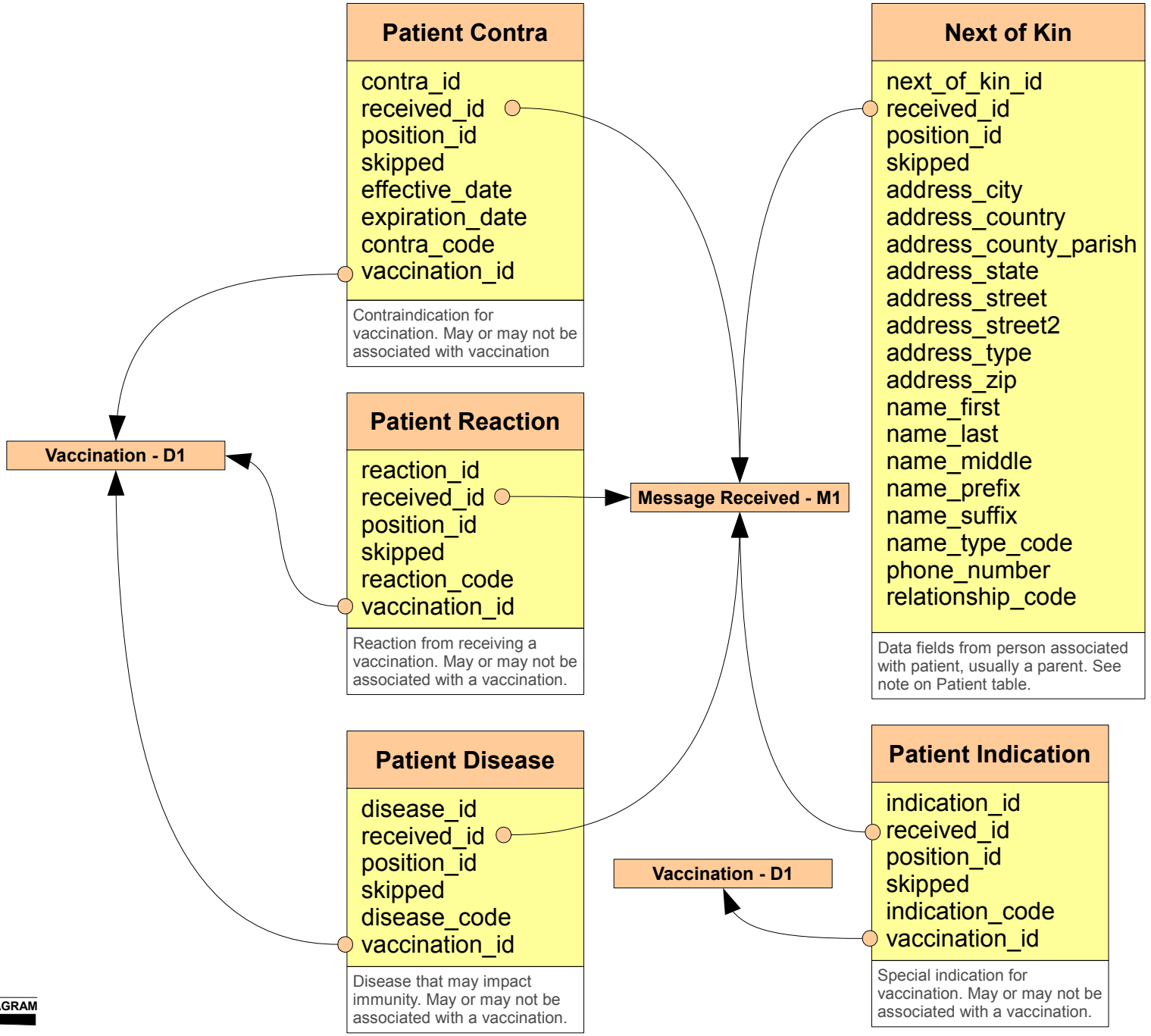

Patient Immunity
immunity_id
patient_id
skipped
immunity_code
Indicates that the patient is immune to a particular disease
Patient Id Number
id_number_id
patient_id
position_id
skipped
id_number
assign_auth
type_code
A patient id number that is used to identify the patient. A patient may have one or more ids.
Patient
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
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 rejected messages.
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.
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.
DATA QUALITY ASSURANCE - ENTITY RELATIONSHIP DIAGRAM
D1
Data Received
v1.07



DATA QUALITY ASSURANCE - ENTITY RELATIONSHIP DIAGRAM

D2 Data Received

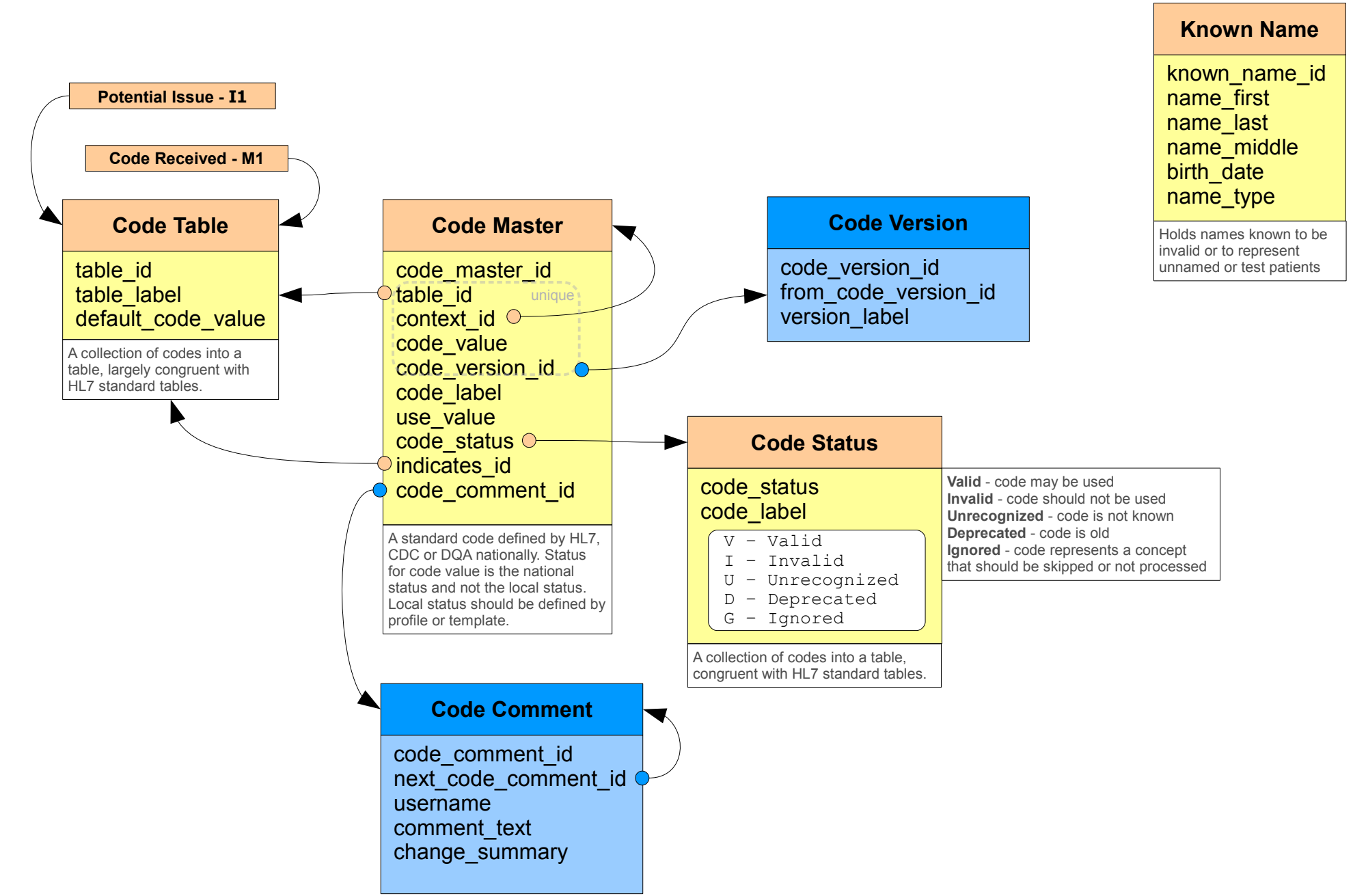
v1.07



DATA QUALITY ASSURANCE - ENTITY RELATIONSHIP DIAGRAM

D3 Data Received

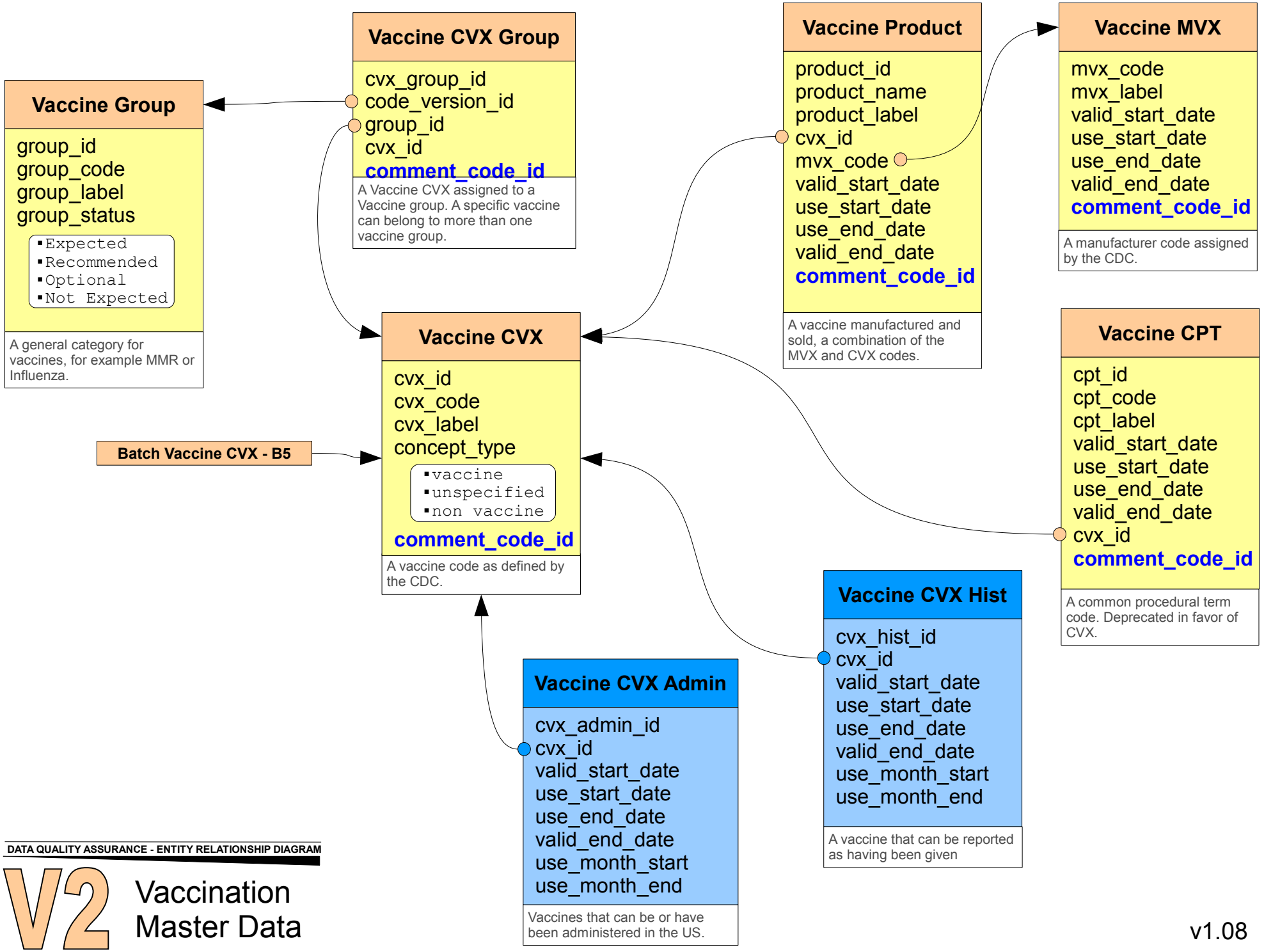
v1.07



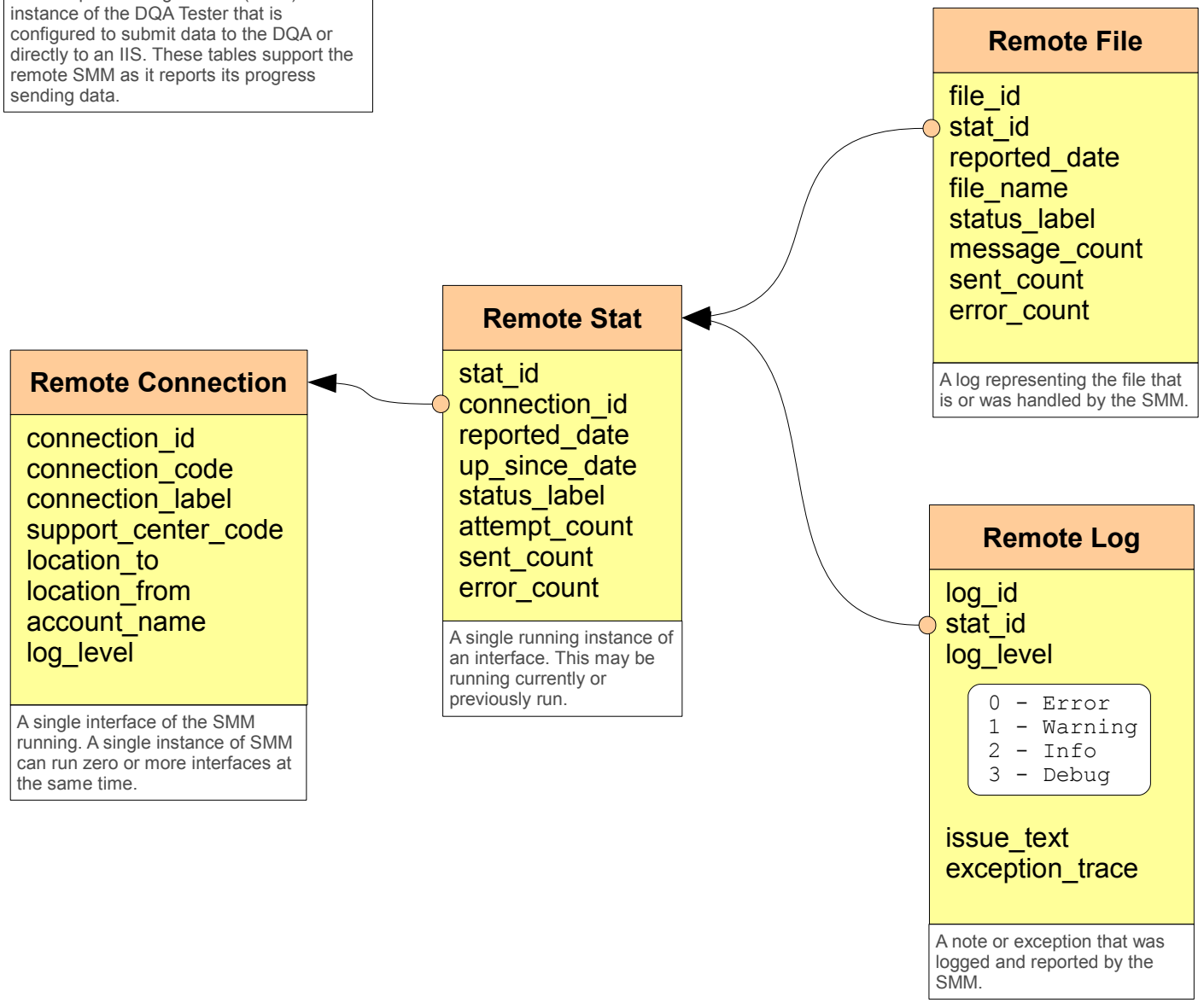
DATA QUALITY ASSURANCE - ENTITY RELATIONSHIP DIAGRAM

V1 Vaccination Master Data

v1.07


Vaccine Group
group_id
group_code
group_label
group_status
Expected
Recommended
Optional
Not Expected
A general category for vaccines, for example MMR or Influenza.
Vaccine CVX Group
cvx_group_id
code_version_id
group_id
cvx_id
comment_code_id
A Vaccine CVX assigned to a Vaccine group. A specific vaccine can belong to more than one vaccine group.
Vaccine Product
product_id
product_name
product_label
cvx_id
mvx_code
valid_start_date
use_start_date
use_end_date
valid_end_date
comment_code_id
A vaccine manufactured and sold, a combination of the MVX and CVX codes.
Vaccine MVX
mvx_code
mvx_label
valid_start_date
use_start_date
use_end_date
valid_end_date
comment_code_id
A manufacturer code assigned by the CDC.
Vaccine CVX
cvx_id
cvx_code
cvx_label
concept_type
vaccine
unspecified
non vaccine
comment_code_id
A vaccine code as defined by the CDC.
Batch Vaccine CVX - B5
Vaccine CPT
cpt_id
cpt_code
cpt_label
valid_start_date
use_start_date
use_end_date
valid_end_date
cvx_id
comment_code_id
A common procedural term code. Deprecated in favor of CVX.
Vaccine CVX Hist
cvx_hist_id
cvx_id
valid_start_date
use_start_date
use_end_date
valid_end_date
use_month_start
use_month_end
A vaccine that can be reported as having been given
Vaccine CVX Admin
cvx_admin_id
cvx_id
valid_start_date
use_start_date
use_end_date
valid_end_date
use_month_start
use_month_end
Vaccines that can be or have been administered in the US.
DATA QUALITY ASSURANCE - ENTITY RELATIONSHIP DIAGRAM
V2
Vaccination Master Data
v1.08

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.



DATA QUALITY ASSURANCE - ENTITY RELATIONSHIP DIAGRAM

S1 SMM Tracking

v1.07