How to Submit Case Data Using the "COVID Lite" Format

Links Updated June 08, 2021

Summary

Due to the evolving nature of COVID-19 response, CDC is providing jurisdictions with an option to send coronavirus disease 2019 (COVID-19) message mapping guide (MMG) vaccine data to CDC prior to onboarding the full COVID-19 MMG. Jurisdictions may include COVID-19 MMG vaccine data with National Notifiable Diseases Surveillance System (NNDSS) case notifications using the "COVID Lite" format, with only the following data:

- COVID-19 MMG Message Profile Identifier,
- Generic version 2 (GenV2) data elements,
- COVID-19 MMG interpretive vaccine history section, and
- COVID-19 MMG vaccine history repeating group.

If implementing the "COVID Lite" format, jurisdictions are expected to onboard the full COVID-19 MMG in the future.

Note: CDC does not expect to approve any partial onboarding processes for the non-vaccine history-related sections in the COVID-19 MMG. CDC also does not expect to approve partial onboarding for any other MMGs for which the National Center for Immunization and Respiratory Diseases provides subject matter expertise.

Options to Report COVID-19 Vaccination Data

	Full COVID-19 MMG (HL7)	COVID Lite (HL7)	CSV (1/2021)
Message Profile Identifier	COVID-19 MMG	COVID-19 MMG	N/A
Data Elements (DEs)	GenV2 DEs + COVID-19 DEs	GenV2 DEs + COVID-19 Vaccine History DEs	COVID-19 MMG in a flattened format
Contains Vaccine Variables?	Yes	Yes	Yes
Onboarding Process	Yes	Yes – modified	Yes

Note: Jurisdictions also may choose to submit data using both the GenV2 MMG and CSV simultaneously. This option allows jurisdictions to submit data through the preferred route of NNDSS but also report additional COVID-19 disease-specific data, including vaccine history, through a CSV upload.

COVID Lite Onboarding Overview

What Does a Jurisdiction Need to Provide?

1. Jurisdictions must provide an estimated date for beginning efforts to onboard the full COVID-19 MMG. Jurisdictions should provide a timeline that anticipates when pre-onboarding/onboarding tasks will begin for the full COVID-19 MMG.
2. Depending on the initial system used to send COVID-19 cases, jurisdictions may need to include the CDC 2019-nCOV ID for each message to ensure the records can be matched or merged with COVID-19 case data previously reported to CDC.

Jurisdictions may access the COVID-19 test case scenario worksheet and implementation spreadsheet through the COVID-19 Message Mapping Guide page.

Jurisdictions that request to onboard "COVID Lite" may request technical assistance with pre-onboarding efforts by e-mailing the CDC Electronic Data Exchange mailbox at edx@cdc.gov.

Tools for a Jurisdiction to Onboard "COVID Lite"

Jurisdictions must complete the documents below and submit to CDC via edx@cdc.gov as part of the jurisdiction's onboarding package.

"COVID Lite" Implementation Spreadsheet

- The "COVID Lite" implementation spreadsheet includes the GenV2 MMG data elements, interpretive vaccine history section, and vaccine history repeating group sections of the COVID-19 MMG. Vaccine data elements can be found on lines 98 to 113. These are the same vaccine history data elements found in the full COVID-19 MMG.

"COVID Lite" Test Case Scenario Worksheet

- This test case scenario worksheet has three test case scenarios restricted to test data for GenV2 MMG data elements and COVID-19 MMG vaccine history data elements. Vaccine history data elements include those in the interpretive vaccine history section and vaccine history repeating group section.
- The test case scenario worksheet contains all data elements for the COVID-19 MMG; however, data/values will be populated only in the GenV2, interpretive vaccine history, and vaccine history repeating group sections.
  - The test case scenarios use the COVID-19 MMG message profile identifier.

Onboarding Process Overview

- Kickoff call with jurisdiction
- Test message submission and review
- Limited production submission and review
- Cutover-to-production call with jurisdiction
- Year-to-date submission and review

Data Submission

Current GenV2 MMG Submitters

- Jurisdictions currently onboarding the GenV2 MMG must submit data under the GenV2 MMG message profile identifier. When the jurisdiction is ready to implement the "COVID Lite" format, the message profile identifier must be updated to the COVID-19 MMG message profile identifier prior to moving into production.

Submitters Not Currently Submitting Data Using the GenV2 MMG

- Jurisdictions will notify CDC of interest in onboarding the "COVID Lite" as a submitter not currently sending GenV2. The jurisdiction will then follow established pre-onboarding and onboarding processes for the GenV2 MMG. Once the jurisdiction successfully completes GenV2 onboarding and is ready to implement the "COVID Lite" format, the jurisdiction must update the message profile identifier to the COVID-19 MMG message profile identifier prior to moving into production.

Estimated Timeframes for Onboarding

- CDC anticipates the following estimated timeframes for jurisdictions to onboard to the "COVID Lite" format:
    - For current GenV2 MMG submitters, the onboarding process for "COVID Lite" is anticipated to be completed within one month.
    - For jurisdictions that are not current GenV2 MMG submitters, the onboarding process for the "COVID Lite" format is anticipated to be completed within 1–2 months.

Questions?

Please direct all questions to edx@cdc.gov, and the NNDSS team will respond to you within 1–2 business days.