

# PCORnet CDC COVID-19 Electronic Healthcare Data Initiative

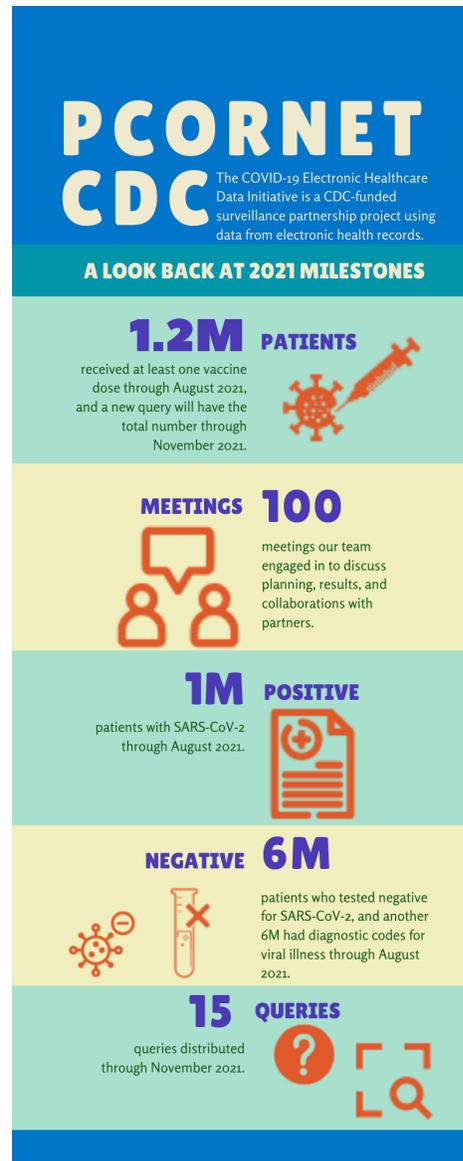
## News and Updates

December 2021

### 2021 Year in Review

The project team would like to thank all of the partners and sites involved on making 2021 a memorable year for the CDC COVID-19 Electronic Healthcare Data Initiative. All of the progress and success has been a collaborative effort across multiple organizations. Check out this infographic on some of the key milestones reached in 2021:

- Over **1.2 million patients** have received at least one vaccine dose through August 2021. A query is currently in progress that will reveal more detail on the total number through November 2021.
- The project team has engaged in approximately **100 meetings** to discuss planning, results, scientific advisory topics and collaborations with partners.
- Over **1 million patients** tested positive for SARS-CoV-2 through August 2021.
- Over **6 million patients** tested negative for SARS-CoV-2, and another 6 million had diagnostic codes for viral illness through August 2021.
- The project team has distributed **15 queries** through November 2021.



### Operational Updates

#### *Bi-monthly webinar*

The project management team will host its final bi-monthly informational webinar for 2021 on Monday, December 13, 2021 at 11:00 a.m. ET. The session will present data on recent queries and share plans for future queries being developed. Please [register for the webinar](#) prior to attending, and a calendar invitation will automatically be sent. A reminder email with this registration link and additional information will be shared closer to the webinar date.

## Technical Updates

### *Query update*

Several query activities have been completed over the last month:

- A query focused on the Delta variant and disease severity
- A query on vaccines and mortality that incorporates new functionality related to immunization and death tables
- Continued review of results from two queries on long COVID

Additionally, a meta-analysis extension to the modular programs to facilitate reporting on results from the distributed regression advanced analytic queries has been finalized.

Queries planned for release in the next two months will focus on the following:

- An updated assessment of vaccine adverse events
- Reruns of long COVID distributed regressions that optimize the query for better regression model convergence at sites
- A regression that assesses whether severity or control of chronic disease (e.g., hypertension, diabetes or obesity) is associated with severe COVID. This will be measured by hospitalization, use of mechanical ventilation or mortality.

There are several more queries in queue that will follow these, including a repeat of typical cumulative queries that assess characteristic of individuals tests for SARS-CoV-2 throughout the entire pandemic. The team is also working on capturing patient-level data.

### *Manuscript update*

Several manuscripts are under development for publication. Below is a summary of progress:

- The descriptive paper on long COVID was revised and submitted to *JAMA Network Open*.
- The descriptive paper on control of chronic disease (i.e., hypertension and diabetes) and COVID was submitted to *Preventing Chronic Disease*.
- The team is exploring new journals to submit manuscripts on myocarditis and pericarditis incidence post SARS-CoV-2 infection and mRNA COVID-19 vaccines.
- The descriptive papers on both adult and pediatric cohorts are being updated to include data from most recent cumulative query prior to submission.

