

PCORnet CDC COVID-19 Electronic Healthcare Data Initiative

News and Updates

February 2022

Operational Updates

Bi-monthly webinar

The project management team will host its first bi-monthly informational webinar for 2022 on Monday, February 28, 2022 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:

- **An updated query on vaccines and adverse events:** The project team is prioritizing developing reports on vaccines and adverse events. In parallel, they have begun assembling a report on the previously executed query on COVID-19 severity across pandemic waves.
- **A re-execution of the advanced analytics query on long COVID conditions:** Over the next two months, the team will re-execute an advanced analytics query on long COVID symptoms, as well as the chronic disease query.
- **The cumulative assessment distributed regularly:** The project team is creating cohorts of individuals at high-risk for severe COVID-19 and assessing monoclonal antibody use in that group.

In addition, there has been continued collaboration with the programming team to develop advanced analytic capabilities for a query examining whether diabetes and hypertension control are associated with severe COVID-19. This query also will include de-identified individual level data, as discussed over the last few months. It will allow us to be more efficient in re-executing components of the query on chronic disease control.

Future queries

For future queries and reports, the project team will stop masking small cell counts in reports that are generated with aggregate data across all participating sites in this project. At the outset of this project, the team obtained a public health surveillance exemption from its IRB. Subsequently, protocol was revised to note the capture of de-identified patient-level data, under which individual rows of data (or small counts) would fall. Observing

actual cell size values is important for calculating precise incidence of rare complications of COVID-19 and COVID-19 vaccinations, including for the myocarditis and pericarditis queries. As with all of this work, the project team will continue to report aggregate data across sites to ensure that small cell counts are not specific to any individual site.

Plans over the next two months include:

- Complete a sex-stratified query on vaccine adverse events and cardiac complications of COVID-19.
- Continue to engage in discussions with CDC and workgroup members to discuss other subjects which may be addressed in future queries, such as breakthrough and second infections.

Additional Updates

Manuscripts and dissemination

Below is a summary of progress on manuscripts:

- [Disparities in monoclonals](#) – published mid-January
- [Prevalence of PASC](#) - published in JAMA Network Open on February 4, 2022
- Myocarditis/pericarditis incidence post SARS-CoV-2 and mRNA vaccines: undergoing discussion and review for MMWR submission in late March
- Descriptive papers on both adult and pediatric cohorts are being updated to include data from most recent cumulative query prior to submission. These papers are undergoing CDC clearance

In addition, the CDC COVID Data Tracker has recently been updated to include a description of our [data type contribution and representation](#), as well as [disease severity visualizations](#) that include PCORnet data.

Updating data

Please continue to plan to refresh your COVID-19 Common Data Model at the beginning of every month. The project team will send notice if there are any requests for additional updates prior to queries that might benefit from updated data.

