

PCORnet CDC COVID-19 Electronic Healthcare Data Initiative

News and Updates

April 2021

Communications Updates

Bi-monthly webinar

The project management team will host its third informational webinar on April 26, 2021 from 10:00 a.m.-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. A reminder email with this registration link and additional information will be shared closer to the webinar date.

Query results dissemination

The project management team is considering a range of traditional and non-traditional dissemination methods to share results from the research queries released thus far. Plans include four potential manuscripts: two separate publications on trends identified in adults and in children; one descriptive report on long COVID; and one descriptive report on future queries. Non-traditional methods include presenting results in infographics, short briefs or blog posts.

Project web page

News and resources related to the CDC COVID-19 Electronic Healthcare Data Initiative can now be found on a dedicated web page. Keep up with the project's purpose, objectives, key partners, webinar presentation materials and query schedules. [Check it out.](#)

Technical Updates

Update on queries

Queries to date

As of April 7, 2021, the PCORnet team has released 11 queries, including the most recent one that will be examining severity of chronic disease and COVID. The twelfth query is expected to be released later in April.

COVID CDM

The project management team's common data model (CDM) for COVID data curation is nearly complete, with most sites performing well. PCORnet partners are exploring data check exceptions at sites to determine if they are likely to have any effects on the query results being used. Some of these may be related to using CDM 5.1 for the COVID CDM: please update the COVID CDM to 6.0.

Advanced analytic queries

Soon, a series of advanced analytic queries will be released. Instead of purely descriptive results, these queries will explore associations with several defined outcomes that have emerged in collaboration with the CDC. The following will be assessed:

1. Predictors of developing post-acute sequelae of COVID, contrasted with patients who were COVID-negative on testing.
2. Association of severity of chronic disease (hypertension, diabetes or obesity) with severe COVID, designated by hospitalization, use of mechanical ventilation or mortality.
3. Chronic disease control post COVID.

A range of possibilities to pursue these analyses are being considered, including generating patient-level datasets or distributed regression modeling.

Expected future queries

A standard query will be run in April to examine all patients with COVID (or who tested negative) since the beginning of the pandemic. An assessment of new therapeutics (monoclonal antibodies) and the Johnson & Johnson vaccine will be added to this query. There are plans to conduct some additional queries on readmissions and chronic disease severity and control post-COVID.

