National COVID Cohort Collaborative

*The gates to the amusement park are open*

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Informatics

CCTS Informatics provides the resources and expertise (both bioinformatics and clinical informatics) to support biomedical collaboration and consultation across the translational research spectrum. We offer help with study design, access to summary, limited (de-identified), and fully identified data sets; innovative tools to support clinical, translational, and outcomes research; and data analytic services. Our vision is to build a vibrant community of collaborating informaticians not only across the CCTS Hub with its academic medical system, but also across the regional CCTS Partner Network and national CTSA Consortium.

National COVID-19 Data Access
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N3C is Open for Business. Learn How to Get Started.

The National COVID Cohort Collaborative (N3C) has created a large, centralized data resource available to the research community to study COVID-19 at a scale and statistical power not possible within any single institution. N3C has assembled a standardized collection of clinical, laboratory and diagnostic data from hospital electronic health records and health care plans across the country for analysis within an accessible, cloud-based data enclave. Here is how you can get involved.
## Data levels or tier

<table>
<thead>
<tr>
<th>Access Level</th>
<th>Level 1 – Synthetic</th>
<th>Level 2 – Deidentified</th>
<th>Level 3 - LDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Type</td>
<td>Synthetic Data</td>
<td>Aggregate Data (i.e., summary statistics)</td>
<td>HIPAA Safe Harbor</td>
</tr>
<tr>
<td>Description</td>
<td>Computational data derivative statistically resembles original data</td>
<td>Counts and summary statistics representing 10+ individuals</td>
<td>Data stripped of 18 direct identifiers called out in the HIPAA Privacy Rule</td>
</tr>
</tbody>
</table>

Borrowed from Ken Gersing
CALLING ALL…

Population Health Scientists
Outcomes Researchers
Data Wranglers
Biostatisticians
Epidemiologists
Clinical Informaticists
Coding Experts (R a/o Python)
AI / Machine Learning Leads

For more information, connect with
Bob Kimberly (rpk@uab.edu) or
Jennifer Croker (jcroker1@uabmc.edu)
Jim Cimino (ciminoj@uab.edu)
An **N3C Data Use Agreement (DUA)** is executed by NCATS and a research institution (or directly with a researcher in the case of a citizen/community scientist who is not affiliated with an institution). It is strongly recommended that researchers ensure that their home institution has executed a DUA with NCATS before they begin the process of applying for data access.

Email for Legal Notices: [NCATSPartnerships@mail.nih.gov](mailto:NCATSPartnerships@mail.nih.gov)
1. **Data Access Preparation**
   - Register at [N3C](#)
   - Confirmation your institution has an executed [Data Use Agreement (DUA)](#)
   - Acquire an [ORCID ID](#) (free and quick) to assure author attribution

2. **Two Factor Authentication**
   - NCATS requires two factor authentications for access to the N3C data enclave so before you apply for a DUR downloaded a two-factor authentication app on your smartphone, or tablet

3. **Current (last 3 years) Training Requirements**
   - Completion of [2020 Information Security, Counterintelligence, Privacy Awareness, Records Management Refresher, Emergency Preparedness Refresher](#).
   - Completion date of [Human Subjects Research training](#) (LDS or DeID only)

4. **IRB Approval**
   - If requesting access to the limited dataset, you must upload a PDF copy of your institution’s IRB determination letter

5. **Draft your Data Use Request Application**
1. Draft your Data Use Request Application
   Research Projects Require:
   Title: (xxx)
   Project Description: (must be COVID-19 Related)
   Project Rationale: The project rationale is used by the Data Access Committee, (DAC) to assess the level of data/data tier being requested (Limited Data Set (LDS), De-Identified (DeID), or Synthetic. User should describe the minimum necessary level of data needed to conduct research
   Upload IRB Approval, if applicable

2. Investigator submits a Data Use Request.
3. Data Access Committee (DAC) Reviews and Approves the research project
4. Investigators are given access to the analytics workbench