Costas T. Lambrew Research Retreat 2022   Costas T. Lambrew Research Retreat

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MAINEHEALTH AS A PARTNER IN THE NATIONAL COVID COHORT COLLABORATIVE (N3C)

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National COVID Cohort Collaborative

N3C

N3C is a secure clinical data analytics platform hosted at the NIH that includes vast amounts of data from a large network of health care organizations, including MaineHealth, to accelerate advances in COVID-19 research and clinical care.
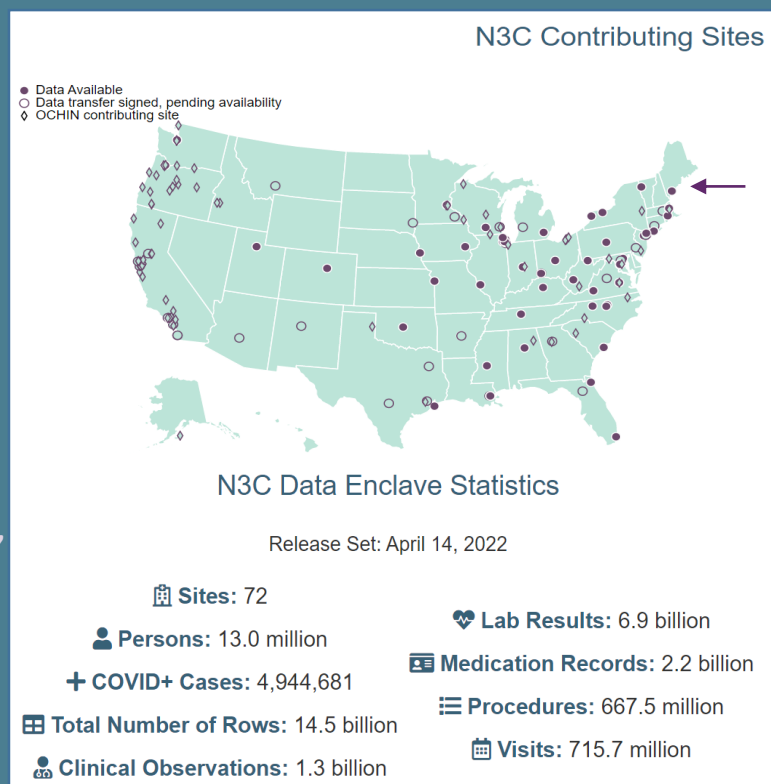
BENEFITS of BEING an N3C INVESTIGATOR:

1) Access to large scale COVID-19 data to answer important questions

2) Pilot data for grant proposals

3) Team science opportunities

Access to clinical fields, statistics, machine learning, and informatics experts.

4) Participating in what is expected to be sea-change in healthcare research

N3C Contributing Sites

- Data Available
- Data transfer signed, pending availability
- OCHIN contributing site

N3C Data Enclave Statistics

Release Set: April 14, 2022

- **Sites:** 72
- **Persons:** 13.0 million
- **COVID+ Cases:** 4,944,681
- **Total Number of Rows:** 14.5 billion
- **Clinical Observations:** 1.3 billion
- **Lab Results:** 6.9 billion
- **Medication Records:** 2.2 billion
- **Procedures:** 667.5 million
- **Visits:** 715.7 million

N3C-BASED RESEARCH PROJECTS AT MAINEHEALTH:

1) COVID-19 Treatments Associated with Lower Mortality
   S. Santangelo, K. Murray, K. Fairfield & C. Rosen
2) Impact of COVID-19 on patients with Cardiovascular Disease
   K. Murray

RECENT PRESENTATION by MH FACULTY:

<u>Title</u>: Association of Vitamin D Prescribing with Clinical Outcomes in Adults Hospitalized with COVID-19
<u>Authors</u>: K. Fairfield & K. Murray
<u>Venue</u>: Infectious Disease Society of America (IDSA) Week 2021

EXAMPLES of OTHER CLINICAL AREAS of COLLABORATIVE RESEARCH in N3C

1) Diabetes and Obesity
2) Oncology and Hematology
3) Sleep Disorders
4) Immunosuppressed/compromised
5) Critical Care
6) Gastroenterology
7) Long COVID
8) Rural Health
9) Elder Care
10) Social Determinants of Health
11) Pediatrics
12) Environmental Health
13) Lifespan Disabilities
14) Pain/Substance Abuse Disorders

THIS COVID-19 RESEARCH RESOURCE IS AVAILABLE TO ALL MAINEHEALTH INVESTIGATORS. EMAIL IVETTE.EMERY@MAINEHEALTH.ORG IF INTERESTED!