CROSS-CONSORTIUM DATA ANALYSES
CORE ANALYTIC DATASETS

RADx® Underserved Populations (RADx-UP) represents a significant investment by the National Institutes of Health to address the COVID-19 pandemic and health equity in underserved populations.

The RADx-UP consortium is a network of more than 125 community-engaged research project teams and mini-grant recipients across all 50 states, and U.S. territories and Tribal Nations.

All of these project teams and recipients use the NIH RADx-UP Common Data Elements (CDEs), which provide a standard set of study questions for their COVID-19 testing studies. The CDEs allow the RADx-UP consortium to aggregate data from across all the populations and communities that projects study and engage.

The initial release of the RADx-UP Core Analytic Datasets includes de-identified individual-level data from more than 70 RADx-UP projects. These data represent a wide geographic, socioeconomic, racial and cultural diversity, particularly in the context of vulnerable populations. The data also contain information about COVID-19 infections, outcomes, vaccine acceptability, access and trust of information sources.

RADx-UP encourages researchers to use the **RADx-UP Core Analytic Datasets** for analyses that explore COVID-19 related health, behaviors and outcome disparities across different vulnerable communities, and their driving factors. These are limited datasets, which include dates and some Zip codes, and an analysis proposal and a Data Use Agreement (DUA) are required to use the data.

Potential analyses may include:
- Describing structural factors such as transportation availability, insurance status, testing accessibility, or others that are associated with a willingness to receive a COVID-19 vaccination or history of full vaccination.
- Measuring COVID-19 outcome disparities among racial and sexual minorities.
- Assessing the relationship between information source, trust, and COVID-19 vaccine acceptance.
- Studying the association between social and behavioral risks on COVID-19 testing, infection, and vaccination rates.
- Identifying predictors of COVID-19 prevention behaviors among vulnerable communities, such as adults living with disability.

RADx-UP Core Analytic Datasets

In addition to the RADx-UP data hub, the RADx-UP Coordination and Data Collection Center has prepared a series of analytic datasets from the collected RADx-UP CDE data and other sources in order to support cross-consortium data analyses. **The RADx-UP Core Analytic Datasets** are made up of cleaned and processed Tier 1 and Tier 2 CDEs that are suitable for analyses.

These analytic datasets are organized into the following domains:

- **Sociodemographic:** Participant socio-demographic information
- **COVID test:** Information about the COVID-19 tests used by RADx-UP study teams, including test setting, types, and results
- **Testing:** Information related to history of COVID-19 testing, accessibility and levels of test result impacts
- **Symptoms:** Participant symptoms documented at the time of study
- **Vaccine acceptance:** Participant vaccination status and acceptance
- **Trust:** Participant level of trust in various COVID-19 information sources
- **Work PPE and distancing:** Participant access to work personal protective equipment (PPE) and ability to practice social distancing
- **Housing/Employment/Insurance:** Participant language spoken at home in addition to housing, employment, and insurance status
- **Food Insecurity:** Information about participant's access to nutrition at the time of study
- **Medical history:** Participant medical history
- **Alcohol and tobacco:** Participant history and current use of alcohol and tobacco
- **Drug Use:** Participant current drug use information
- **Medications:** Participant current use of prescription medications
- **Health status:** Participant health status at the time of study
- **Disability:** Information about participant disabilities including physical and mental disability
- **Location:** Participant residence county and Zip code useful for linkages to area-level datasets

Learn more
Select "Analytic Data Framework" here on **myRADx-UPhome** to learn more about the **RADx-UP Core Analytic Datasets**, or contact the RADx-UP Coordination and Data Collection Center at radx-up-cdcc@dm.duke.edu.