

TRANSLATIONAL POPULATION HEALTH RESEARCH (TRANSPop)

A full-service hub for translational population health research.

CTSI TransPop is a highly productive team of clinical research coordinators, project managers, data technicians, and regulatory, community engagement, and administrative staff in Kannapolis who support the 12,400-participant MURDOCK Study community registry and biorepository. The team continually increases knowledge through clinical research training, conferences, and presentations of MURDOCK Study recruitment strategies. Our goal is to enable research opportunities that will lead to improvement in the health and well-being of the public.

Capabilities include:

- **Proposals & Budget Development**
- **Cohort Identification**
- **Community Engagement & Recruitment**
- **Project Leadership**
- **Regulatory Support**
- **Spanish Language Translation**
- **Data Management**
- **Marketing & Communications**
- **Clinical Operations**
- **Biospecimens & Biobanking**



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MURDOCK STUDY INNOVATION

Today, more than 12,400 participants are being followed longitudinally for health outcomes, and their data and biospecimens are available to researchers through a simple proposal process. The diverse cohort and in-person follow-up visits of MURDOCK Study participants can be leveraged by investigators to further understand heart, lung, blood, and sleep diseases and disorders. Our expertise in collecting EHR data and belief in collaborative team-based science allows us to support research across the translational spectrum.

WHAT CAN WE LEARN FROM MURDOCK STUDY NESTED COHORTS?

- **COPD:** To better understand the progression of COPD symptoms in a community.
- **MULTIPLE SCLEROSIS (MS):** To identify molecular signatures that can be used to better predict the onset and progression of MS.
- **30 AND OLDER:** To improve knowledge about the physical, environmental, and genetic/-omic factors that contribute to age-related changes in physical and cognitive capabilities over a typical lifespan.
- **55 AND OLDER:** To better understand the role of aging in changes to memory and thinking.
- **PCORI/UAMS:** To understand correlation between participant-reported medical conditions and medical record documentation.

Want to learn more? Visit DukeTransPop.org

CURRENT COLLABORATIONS

Project Baseline Study:
4-year longitudinal cohort study with Verily, Stanford Medicine, and Google.

Metabolic Signatures
Underlying Vascular Risk
Factors for Alzheimer-type
Dementias, funded by NIH.

Diabetes Self-Management
& Support LIVE Study,
funded by NIH.

Assessing the Quality of
EHR Data and Participant-
Reported Data, funded
by PCORI.