

Provide quantitative support for internal and external investigators engaged in health science research, including VT faculty, staff, clinicians, and students.

## Mission :

- to achieve excellence in our research portfolio by providing expertise in biostatistics, bioinformatics, data science, analytics, statistical programming, and data management
- to provide mentorship and educational opportunities for students and junior investigators.



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# CBHDS collaborates in the areas of:

## Study Design

- Recommend appropriate design
- Refining study aims, research questions, and hypotheses
- Identifying study instruments
- Target population
- Estimating power and sample size
- Randomization and sampling strategy
- Control variables

## Data Management

- Building and maintaining data collection instruments
- Data cleaning
- Data wrangling
- Dimension reduction
- Data merging
- Creating data dictionaries
- Data security

## Data Analyses

- Preliminary analyses
- Patterns of missingness
- Classical methods
- Data-driven methods
- Bayesian methods
- Statistical programming
- Data visualization
- Rigor and reproducibility

## Dissemination

- Peer-reviewed manuscripts
- Conference abstracts
- Oral presentations
- Poster presentations
- Rshiny applications
- Dashboards
- Website design
- White papers
- Guidance documents
- Many more!

# Collaborate with CBHDS!



## Zoom Drop-in Consulting Hours

<https://biostat.centers.vt.edu/zoomconsulting.html>

MONDAYS: 10AM - 2PM

WEDNESDAYS: 3PM - 7PM



## Long-Term Collaboration Requests

<https://redcap.vtc.vt.edu/surveys/?s=FPHYD83LPHDX47J>

Collaborate on sponsored projects