



# University Shared Resources

## *Biostatistics & Design Program*

OHSU's cores are your campus technology partners dedicated to the success of your project. For optimal results, take advantage of the state-of-the-art scientific resources within the OHSU community.

[www.ohsu.edu/cores](http://www.ohsu.edu/cores)



**The Biostatistics & Design Program (BDP) provides study design and analytic support to the OHSU research community and beyond.**

### About Us

Our mission is to uphold and improve scientific quality and rigor of research by providing study design and analytic support to investigators across OHSU. BDP staff and faculty members have experience in a wide range of content areas in the health sciences. We have expertise in the design of clinical trials, clinical and community-based intervention studies, laboratory experiments, and observational studies, and we work with investigators to select a study design that aligns well with their research questions.

Our group has expertise in a wide variety of traditional and modern statistical methods. We can help with trial design and analysis, epidemiologic analysis, sample size and power, high-dimensional data analysis, risk prediction, complex survey analysis, time-to-event and longitudinal models, and statistical simulation.

The BDP also does data management and wrangling, analytic variable coding and data set creation, research database design, data visualization, manuscript preparation, statistical programming, and much more. **We frequently coordinate and collaborate with our colleagues in other units including the Knight Biostatistics Shared Resources and units within the Oregon Clinical and Translational Research Institute (OCTRI) such as the Research Navigator, Informatics, REDCap, and Evaluation. We have close ties with the Biostatistics, Epidemiology and Research Design (BERD) Program.**

We are experts in study design and encourage researchers to consult with us in the planning phases of research. As the design of a study is linked with the analysis of the data, researchers can benefit greatly from involving a biostatistician early, starting in the design phase of the work.

### Our Services

- **Advice sessions:** Discussion of statistical questions with one of our analysts. These one-hour sessions tend to book a few weeks out. To request a spot, please contact us to share a bit about your questions (no data please).
- **Assessment of Needs:** Detailed conversations leading to a recommendation for biostatistics support tailored to research aims, budget, and timeline.
- **Grant preparation:** Proposal development, study design, statistical analysis planning, sample size and power analysis.
- **Protocol Development:** Statistical analysis planning, review of study instruments or survey implementation, sampling and randomization schemes.
- **Active Research:** Analysis of data, including designing an approach, interim analysis, analytic file preparation, design of tables and figures, and collaboration on abstracts, posters, and manuscripts.

We have close ties with Oregon Clinical & Translational Research Institute (OCTRI)'s **Biostatistics, Epidemiology, and Research Design (BERD) Program**, which hosts a series of seminars and workshops on a variety of topics as part of the OCTRI Research Forum.

### Fees

- Fees for **short-term collaborations** lasting weeks or months are based on projected effort needed to complete the scope of work in the time frame specified. These projects have distinct goals and deadlines.
- **Longer-term collaborations** can be funded by FTE on grants or contracts.
- Advice sessions are offered free of charge.

### Can We Help You?

Contact us by emailing [bdp@ohsu.edu](mailto:bdp@ohsu.edu) to discuss your needs—we can work with you to determine the scope of statistical support required for your project or grant application, or schedule an advice session for you.

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