

## Research support from the CTSC Biostatistics Resource

### What can the CTSC do to help you?

The UC Davis CTSC Biostatistics Resource offers help with *study design, protocol preparation, advice* on statistical analysis and presentation, and *data analysis*.

**Study design:** We help with aims, design, sample size and power, and analytic plans. Please plan to meet with us at least **4-6 weeks** in advance and longer if you are planning a large project such as a Center or Program. If you need support during the project, you will also need to work with our Grants Manager to develop a budget.

**Protocol development:** As for study design, we help with objectives, design, sample size and power, and analytic plans. We can also provide randomization schemes and help with development of DSMC including planning and identification of statistician members. Please plan to start at least **4 weeks** before the due date.

**Statistical advice:** Our weekly drop-in workshop, Tuesdays at noon in the CTSC building in Sacramento at corner of Stockton and Broadway, can get you started with advice on what kind of analysis is best for your problem, suggestions for software to use, interpretation of results, and suggestions on presentation of findings in tables and graphics. If you need additional help, we can set up individual meetings.

**Data analysis:** We can provide data analysis for a limited number and extent of projects directly through the CTSC. Our top priorities are analysis of pilot data needed for grants, support for pilot projects of the CTSC, and career development. If you need analysis results for paper or abstract submission, please plan to start at least **4-6 weeks** before the due date. We can also help identify other resources for data analysis, both for researchers who have funding through their department or grant for biostatistical colleagues and through other mechanisms such as Cancer Center, departmentally supported centers, internships and course projects. Data analysis is restricted to data sets that are in spreadsheet or other acceptable form and already carefully cleaned and fully documented with codebooks (see our Division website at <http://biostats.ucdavis.edu/> for examples.)

### How to request help:

The first step in getting help is to fill out an online application. Go to the CTSC web site: <http://www.ucdmc.ucdavis.edu/ctsc/> and click on the menu button “for investigators”. Choose the option “CTSC Application for Resource Use”, and fill out all the relevant fields. When you say that you want help with biostatistics, a new form will come up, with questions specific to our resource. If you are already working with one of our faculty, please note that in the comments section.

### Acknowledging CTSC support:

We ask that you acknowledge the CTSC statistical support in any paper or abstract that results from our collaborations. Recommended language is:

“Statistical support was made possible by Grant Number UL1 RR024146 from the National Center for Research Resources (NCRR), a component of the National Institutes of Health (NIH), and NIH Roadmap for Medical Research. Its contents are solely the responsibility of the authors and do not necessarily represent the official view of NCRR or NIH. Information on Re-engineering the Clinical Research Enterprise can be obtained from <http://nihroadmap.nih.gov/clinicalresearch/overview-translational.asp>”.

Appropriate credit should also be given via co-authorship or acknowledgments to biostatistics faculty, professional staff and doctoral students who help with papers. A good guideline is that if our report is incorporated in your paper or abstract, the intellectual contribution would justify co-authorship.