

# Research Support Services

Center for Applied Health Services Research

<https://research.ochsner.org/applied-health>

# Center for Applied Health Services Research

**Website** <https://research.ochsner.org/applied-health>

## ***What do we do?***

We examine current clinical practice by using

- a) **quantitative data** generated in the course of patient care to understand *what works for who at what cost and*
- b) **qualitative data** (surveys, direct observation, interviews) to better understand the context/ circumstance in which patient care happens.

## ***Why is this useful to Ochsner?***

We are working to understand the quality, utilization and cost elements of patient care.

***Data drives quality care***



# Research Information Analytics

**Website** <https://research.ochsner.org/applied-health/mining>

## ***Research Information Systems Analysts***

Tim Hilbun, Supervisor

Darlene Hattier

Richard Bruner

## ***Data Repositories***

Ochsner Enterprise Data Warehouse (EDW)

- Epic/Clarity (electronic medical record)

Claims Data Warehouse

# Research Information Analytics

## ***Types of Research Data Requests***

Study Recruitment

Preparatory data/Feasibility

Retrospective Chart Review

## ***Factors to Keep in Mind***

1. Access to identifiable data requires a formal request through LANDesk Self Service
2. Highest priority is given to Ochsner staff physicians for active IRB research projects
3. You may request to meet with the Analysts to refine your request.
4. Allow at least 2 weeks for your data receipt. Longer for more complex requests.
5. Requests with no research intent may be denied.

# Research Information Analytics

## *How to make a formal IS Request—Analytics Request*

1. Go to **Ochweb website** via <http://ochweb.ochsner.org/>
2. Scroll down the right side to **Project 02 Resources Box** and select **Epic Reports**.
3. Select **Submit a question** to navigate to the IS Self-Service, Service Catalog
4. In the Service Catalog, go to [Analytics Request](#). Click **Request Service** in small box to right
5. **Fill out the required fields** in the **Request Form**. Enter “**Research/Data Management Group**” in the **Summary** field to route your request to the Research Report Writers.
6. **Save**. A LANDesk **Ticket Number** will be assigned to your request.
7. You may go back to the [LANDesk Service desk](#) and **attach files** that support your request  
Under **My Current Activity**, click on the ticket number, under **Actions** locate **Add Attachment** to upload your files.

# Research Information Analytics

## *Recommended information to send with your Request*

- **Who is this data for?** (e.g., staff physician, resident/fellow, etc.)
- **IRB number** for approved protocols
- **Purpose of the request** (e.g., study recruitment (targeted lists), feasibility/preparatory data, chart review data for research study/abstract/manuscript)
- **Specific time period of data**
- **ICD9/ICD10** diagnosis codes
- **CPT** or other procedure codes
- **Location/department/facility** from which data should be retrieved
- **Type of patient** (Inpatients, Outpatients or Both)
- **File format** (e.g., .csv, .txt.)

# Biostatistical Support

**Website** <https://research.ochsner.org/applied-health/research-support>

## **Biostatistician**

Qingyang Luo, PhD

## **Epidemiologist**

Mariella Gastañaduy, MPH

## **Type of Collaboration**

Advice only

Collaboration

Advice and possible collaboration

# Biostatistical Support

## ***Types of Statistical Advice***

Sample Size Estimation

Study Design (experimental and/or survey design)

Procedures for analyzing data

General interpretation of output from statistical software packages

## ***Factors to Keep in Mind***

1. The purpose of the initial consultation meeting is for the client to describe his/her research project and to go over any issues with the data.
2. Often, additional interaction may be necessary.
3. As of 12/5/2016, we require at least 4 weeks from the time of consultation and receipt of data to complete a request.
4. During times of high demand (e.g. Ochsner Research Day abstract deadline), it may take longer before we are able to meet with you.

# Biostatistical Support

## *How to make a formal Request for Statistical Advice*

### 1. Complete the Pre-Consultation

Checklist available at

<https://research.ochsner.org/applied-health/research-support>.

### 2. Request a consultation and email

checklist to [biostats@ochsner.org](mailto:biostats@ochsner.org).

Tip: Visit Frequently Asked Questions

section on Biostatistical Support Services

Website

## BIOSTATISTICAL SUPPORT SERVICES

### Pre-Consultation Checklist

Please provide the following information via [biostats@ochsner.org](mailto:biostats@ochsner.org) at least two hours BEFORE your appointment.

Date:

1. Name:
2. Level (Student, Resident, Fellow, Physician):
3. Department:
4. Type of statistical analysis (e.g. study design, sample size/power, descriptive statistics, multi-variate analysis):
5. State your research question and hypothesis:
6. State your primary outcome and how is it measured (e.g. yes/no, numerical/continuous):
7. State any secondary outcomes and how they are measured:
8. Do you have the data yet? If yes, in which format? (e.g. Excel, Access)
9. Have you submitted your study to the IRB for approval? If so, please attach it to e-mail
10. If you have done a literature review, please attach 1-2 most relevant papers (i.e. methods and data analysis-wise).

# REDCap

## ***Factors to Keep in Mind:***

1. The REDCap software is distributed from Vanderbilt University to institutional consortium partners, who in turn give research teams access to REDCap.
2. REDCap is a free, secure, web-based application for data capture for research studies.
3. REDCap is available to anyone at Ochsner conducting research.
4. It is designed to be a self-service tool.



## ***Websites to Know:***

***CAHSR-REDCap***      <https://research.ochsner.org/applied-health/redcap/>

***Ochsner Login***      <https://redcap.ochsner.org/>

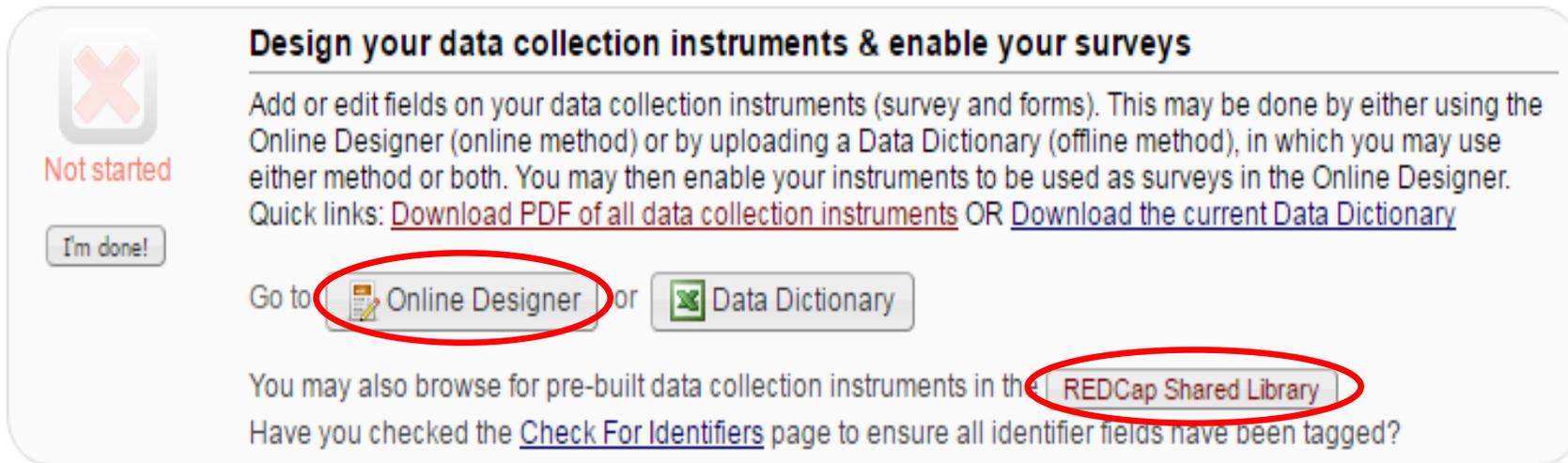
***Consortium***      <https://projectredcap.org/>



# REDCap

## Getting Started

1. Request a REDCap account through [IS-Access to Existing Application](#)
2. Login and answer “Create New Project” questions.
3. Continue to “Project Setup” to select/enable features. The project will be in Development Mode.
4. Use “Online Designer” to add or enable data collection instruments (e.g. case report forms). **Tip:** Check out the [REDCap shared library](#) button link for downloadable instruments and forms including Regulatory Binder templates.



**Design your data collection instruments & enable your surveys**

Add or edit fields on your data collection instruments (survey and forms). This may be done by either using the Online Designer (online method) or by uploading a Data Dictionary (offline method), in which you may use either method or both. You may then enable your instruments to be used as surveys in the Online Designer. Quick links: [Download PDF of all data collection instruments](#) OR [Download the current Data Dictionary](#)

Go to [Online Designer](#) or [Data Dictionary](#)

You may also browse for pre-built data collection instruments in the [REDCap Shared Library](#)

Have you checked the [Check For Identifiers](#) page to ensure all identifier fields have been tagged?

# REDCap

## ***Getting Started continued***

4. Test your project by uploading/ filling out and exporting dummy data. Revise as needed.
5. Once you have finalized your REDCap project design, click the “move your project to production” status. Dummy data is deleted and an email is sent to RedCapAdmin@ochsner.org for approval. The research team may now begin entering actual patient data.

## ***Getting Help***

- View "[Training Resources](#)" for video tutorials
- Refer to “Help & FAQ” resource
- If you need assistance, log an IS – Incident Request . The REDCap administrator will help troubleshoot and connect you with REDCap end users at Ochsner if needed.

# Patient Research Advisory Board

**Website**     <https://research.ochsner.org/applied-health/patient-research-advisory-board-prab>

## **Coordinator**

Jewel Harden-Barrios, MEd

## **Types of Collaboration**

1. Research Process Feedback
  - Proposal Development
  - Recruitment Methods
  - Data Collection Methods
  - Translation of Findings
2. Proposed Engagement (e.g. grants)
3. Outreach

# Patient Research Advisory Board

<b><i>Point in Research</i></b>	<b><i>Examples of Feedback</i></b>
<b><i>Research Design &amp; Conduct</i></b>	<ul style="list-style-type: none"><li>▪ Plain language and cultural sensitivity of informed consent scripts and documents</li><li>▪ Clarity of content and format of recruitment materials</li><li>▪ Feasibility of recruitment and retention strategies</li><li>▪ Wording and sensitivity of survey or focus group questions</li><li>▪ Relevance of outcome measures to patients (e.g. quality of life).</li></ul>
<b><i>Translation of Research Findings</i></b>	<ul style="list-style-type: none"><li>▪ Real-world barriers and facilitators of research findings</li><li>▪ Interpretation of research findings within the appropriate context</li></ul>
<b><i>Dissemination</i></b>	<ul style="list-style-type: none"><li>▪ Rewording technical abstract for the general public</li><li>▪ Review research products available to patients and community (e.g. guidelines, services, technology products)</li><li>▪ Guide investigators on how patients and community should receive the information (e.g. town halls, social media, emails, personal testimonials)</li></ul>

# Patient Research Advisory Board

## ***Factors to Keep in Mind:***

1. Contact us early in your research process. The PRAB meets every other month.
2. Feedback is available to anyone at Ochsner conducting research.
3. Allow up to 7 business days for the requests to be reviewed and to discuss your needs.
4. The CAHSR team will keep all project materials confidential.

## ***Questions?***

***For further information please email [cahsr@ochsner.org](mailto:cahsr@ochsner.org).***