Starting University Clinical Careers Efficiently, Scholarly, and Successfully

How Do I Get Started? Research Tools at UTSW

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Outline

1. Getting Started
   • Cohort Discovery – Assess Your Patient Population
   • Data Request – Obtain Data Extract
   • Cost of Clinical Research Data Warehouse (CRDW) Services

2. COVID Registry
   • What to do if your research involves COVID
Step 1: Assess Your Patient Population(s) Available to You

- utCRIS Clinical Research Data Warehouse (i2b2) – you can use i2b2 to get patients counts based on eligibility criteria
- i2b2 allows you to query multiple data sources to identify your patient population
- All faculty and research coordinators have access to i2b2
  - Go to https://utcris.swmed.edu/feasibility (VPN Required off-campus)
  - Use UTSW credentials to login

**Requirements**
- Access to i2b2 – if you do not have access. Email ServiceDesk@UTSouthwestern.edu (with Jennifer Cai on copy)
• Feasibility tool
• Research data warehouse at UTSW
• Easy to use
• Can provide an identified patient set through AIS
• Can provide basic demographic information
Step 2: Request Data For Your Research Project

- Must have an IRB approved protocol – protocol should specify data needs for project
- Submit your data request into ClinDEN (Clinical Data Exchange Network)
- New Request - answer a series of questions about data request – Click Submit and your request is assigned to data specialist in AIS
- All faculty and research coordinators have access
  - Go to https://ais.swmed.edu/cden/pages/login.jsp
  - Use UTSW credentials to login
Step 3: Obtain Data For Your Research Project

• When you submit data request in ClinDEN you will receive a notification with the AIS data analyst assigned to complete your request
• AIS data analyst will reach out to you directly on your data request
• Receive sample data extract for review and approval
• You will receive final data extract in excel and it will be sent via securemail (Outlook). NOTE: If files are large, we will use sftp (MOVEit)

• Requirements
  • IRB approved protocol
  • Requestor must be listed as Study Personnel on IRB submission
UTSW Clinical Research Data Warehouse: A Repository and Network of Data Sources

**Clinical Systems**
- EMR-Epic
- CDR (lab-legacy)
- Pharmacy (Epic)
- Professional Billing (IDX, Siemens, Epic)
- CoPath (Pathology) - NLP
- Hematic Pathology
- Cytogenetics
- Flow Cytometry
- Cancer Gene Connect (Breast Cancer Genetic Data)
- Breast Cancer Minimal Dataset

**AIS provides services for:**
- Cohort Identification
- Protocol Data Extraction

**ClinDEN**

**UTSW Research Data Warehouse**

**OpenSpecimen Biorepository**
- REDCap
- Tumor Registry
- cBioPortal (genomic data)

**Online Study Feasibility Tool**
- i2b2 Query and Analysis Tools

**Patient Research Consent Flag and Demographic Data**

**Common Key: MRN#**
Cost of CRDW Services

1. Cost for Services
   • At this time, none. We are working on expanding our services and developing a business model/charge plan to support clinical research informatics services

2. Grant Funded Projects
   • If you have a grant funded project, we ask that you add a line item for data extractions
   • For effort/cost estimates, please email jennifer.cai@utsouthwestern.edu and melody.bell@utsouthwestern.edu
   • We enjoy collaborating with you and ask you to please acknowledge the utCRIS CRDW in your grant proposal and/or publication
COVID-19 Registry: What to Do If Your Project Involves COVID-19 Data

- Approval from COVID Registry Collaborative (UTSW, THR, Parkland, Children’s)
- Must have an IRB approved protocol – protocol should specify data used in project
- Submit your data request into ClinDEN (Clinical Data Exchange Network)
- You will answer a series of questions about the data you are requesting, and your request will be assigned to a data specialist in AIS who will reach out to you directly

**Requirements**

- CRC approval
- IRB approved protocol
Additional Information and Resources

1. Access and Inquires
   • Email ServiceDesk@UTSouthwestern.edu
   • Email the CRDW Team contacts below

2. Center for Translational Medicine Web Resources
   • Informatics Tools
   • Best Practices and How to Guides for REDCap

3. CRDW Team Contacts
   • Jennifer Cai – Data requests, i2b2, OpenSpecimen Questions
   • Teresa Bosler – REDCap Questions
   • Melody Bell – AVP, Academic Information Systems
UTSW makes great effort to “democratize data” and make them available to researchers.

Tools are available to researchers to extract or collect data.

Academic Information Systems is instrumental in supporting researchers.
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Questions? Email me!

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