



Clinical Researchers in Maryland and DC:

Follow your consented clinical research subjects' healthcare encounters throughout the region by accessing encounter & clinical data from CRISP

- Know when your research subjects access the healthcare system in real time
- Access clinical detailed clinical data from hundreds of sources throughout Maryland and DC
- Lower your costs of tracking down clinical data
- Save time

CRISP is the regional health information exchange (HIE) serving Maryland, DC and the Chesapeake region. CRISP receives encounter and clinical data from more than 100 regional acute care hospitals as well as hundreds of ambulatory provider organizations, skilled nursing facilities, laboratories, radiology centers, and others.

In 2016, CRISP received regulatory approval as Maryland's state-designated HIE to make data available to clinical researchers for approved uses. CRISP is now providing access to two clinical resources that make tracking consented patients in research studies faster and more comprehensive:

- [CRISP Encounter Notification Service \(ENS\)](#) – After the researcher securely submits a panel of consented research subjects to CRISP, patients are matched to our Master Patient Index (MPI). Each time a patient has an encounter with a hospital, emergency department or ambulatory facility sharing encounter data with CRISP, the researcher will receive real-time notices of the encounter, admission or discharge via a browser-based tool, [ENS PROMPT](#).
- [CRISP Clinical Query Portal](#) – After the researcher securely submits a panel of consented research subjects to CRISP, the researcher can query each individual patient and access all the available clinical content from more than 280 data sources including all acute care hospitals in Maryland and DC, laboratories, radiology centers, long-term care facilities, ambulatory providers, and others. Researcher activities on the portal are monitored and audited to ensure that only consented patients are accessed.

With its wide breadth of coverage, CRISP data is revolutionary for studies concerned with tracking health service utilization. It also has enormous potential for monitoring serious adverse events in clinical trials, especially for populations whose care may be fragmented across multiple systems.

Our team would spend many hours requesting and tracking hospital discharge summaries and medical records from area hospitals. CRISP puts all that information at our fingertips and improves data accuracy, as research participants often have difficulty recalling exact dates of services, lengths of stay, and diagnoses.

I would highly recommend CRISP for any clinical research study in which health services utilization for patients in Maryland and DC is of interest.

Jan Gryczynski, PhD, Senior Research Scientist
Friends Research Institute – University of MD / Friends NavSTAR Study



Frequently Asked Questions about the CRISP Research Initiative

Who is eligible to access CRISP data?

At least one Principal Investigator must be from an institution that has signed CRISP's Participation Agreement and is contributing data to CRISP. Other researchers and staff serve as delegates to the PI.

What kind of data does CRISP provide?

We receive encounter data in real time from over 100 hospitals, including all acute care hospitals in Maryland and DC as well as data from hospitals in WV, DE, and Northern. Encounter data includes demographic information, provider and facility name, admission problem, discharge diagnosis, and disposition. We also receive clinical summaries and other reports as summarized in the table below. Visit www.crisphealth.org/connected-providers for a current list of sources.

How far back does your data go?

CRISP started exchanging encounter data in 2012. Currently we maintain only 18 months of data in the Clinical Query Portal. Therefore, CRISP is best suited for supporting prospective cohort studies where you will be tracking patient activities and outcomes over time.

How much does this service cost?

CRISP is a not-for-profit organization and operates the Research Initiative under a cost recovery model. We have developed a pricing model that factors in the number of credentialed users your study will need, what services they need to access, how often you submit patient panels, and the length of the study period. A typical 5-year study has total costs of around \$14,000 to \$17,000.

Can CRISP send me aggregated patient data?

At the present time, we are not able to create bulk data sets on our query portal data. We envision adding this capability in the future.

One of your staff members will have to query each individual patient on a periodic basis. We do offer another use case: adding CRISP identifiers and geocodes to HSCRC Case Mix Data. Please see the HSCRC website at <http://www.hscrc.maryland.gov/Pages/hsp-data-request.aspx> for more information.

How do I get started?

More information is available about the CRISP Research initiative at <https://crisphealth.org/services/crisp-research-initiative/> and <https://crisphealth.org/information-for-researchers/>. There you will find a data request form and supporting documentation.

CRISP Data by the Numbers (8/2017)	
Hospitals Sending Data	106: MD-48, DC-9, DE-6, WV-29, VA-17, OH-1
Clinical Data Feeds	285
Patients in CRISP Index	>17.6 million
Long-Term Care Facilities	134
ADT (Encounter) Messages	17,194,303/month
Laboratory Reports	3,615,545/month
Radiology Reports	651,131/month
Transcribed Reports	818,352/month

Please contact Dr. Ross D. Martin, Program Director, Research and Transformation, at ross.martin@crisphealth.org or 202-697-3077 or email research@crisphealth.org. Include a brief description of your study and the data you are seeking from CRISP.