URIDE

URIDE is a secure research data environment (a Data “Warehouse”) that empowers clinical research investigators with translational research tools to aggregate de-identified EMR data.

URIDE Search

URIDE Search was designed to provide researchers an easy way to explore study feasibility (e.g., does the EMR contain a significant number of Hispanic women between the ages of 20 and 50 who have been diagnosed with diabetes) and questions based on curiosity, ultimately leading to new hypothesis generation. URIDE Search provides features that enable investigators to use simple free text searching (like google) to return aggregate (cohort level) results in both text and graphical summaries. In addition to free text searching, URIDE Search provides the ability to precisely search using specific ICD9/10 codes, CPT codes, Disease Ontology concepts, and RxNorm drug terms.

URIDE Results

Refinement of results is possible using demographic, social history, and age filtering. This kind of filtering can also be done by directly interacting with graphic summaries of the current search results. The URIDE Results user interface displays information grouped by Diagnostic and Patient characteristics. The Diagnosis Tab aggregates count of diagnostic codes for the related clinical condition by disease ontology (DOID) and icd9/10 codes.

Patient Tab

The Patient Tab aggregates counts of patients with the related clinical condition in interesting groups, such as Age, Race, Gender, Ethnicity, Tobacco Usage, ICD9/10 codes (co-occurring), CPT, Pulse, BMI, Blood Pressure, Department and Physicians.

There are several ways to utilize URIDE for study feasibility. The Biomedical Informatics core (BMI) has developed a ULearn module, an online tour, and a help feature to educate and assist researchers in the use of the application. For assistance, contact the BMI Consultation Core at: uride@miami.edu