UAB Clinical Research Informatics
Clinical Data Extraction, Data Capture, and Gamification for Education
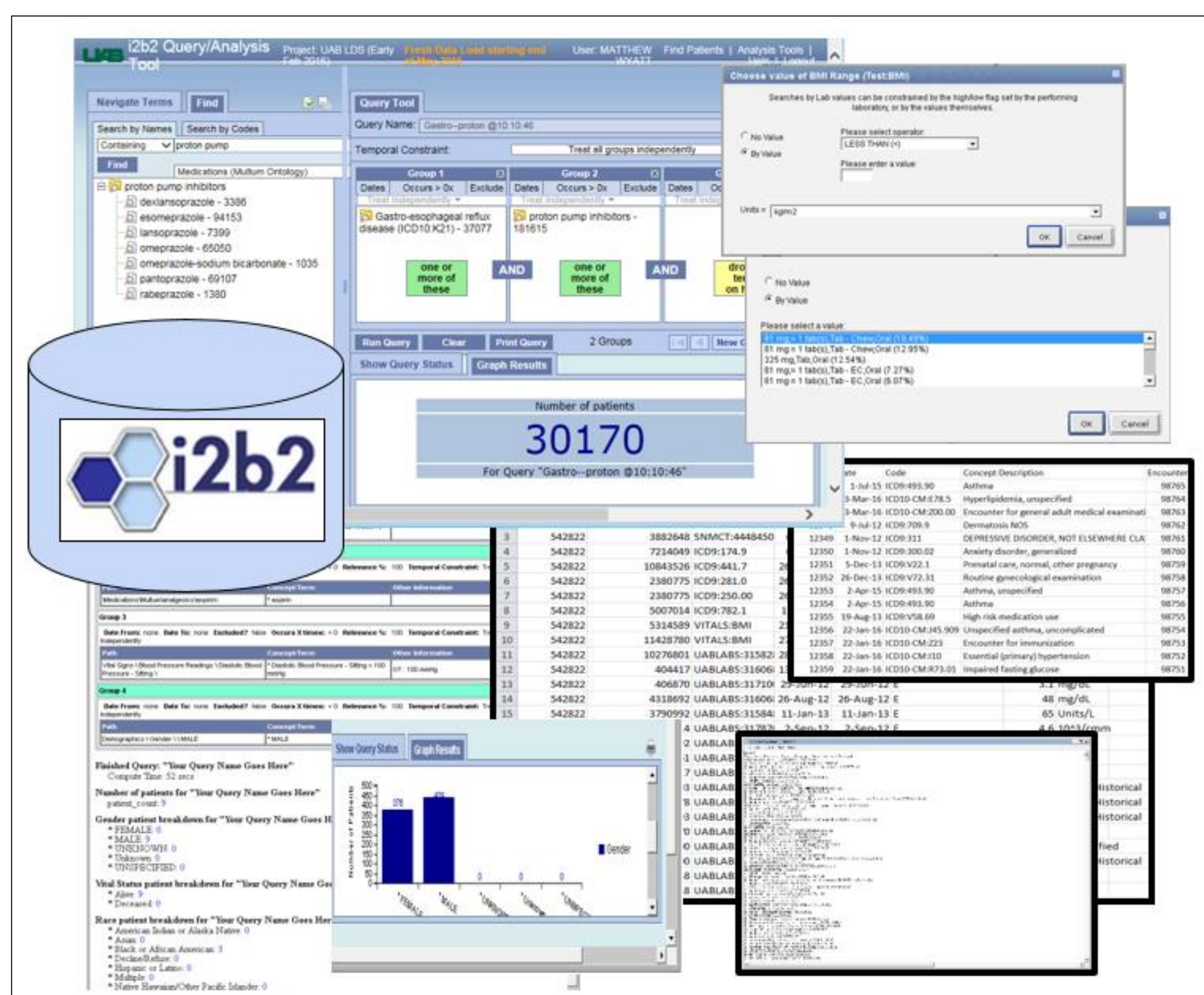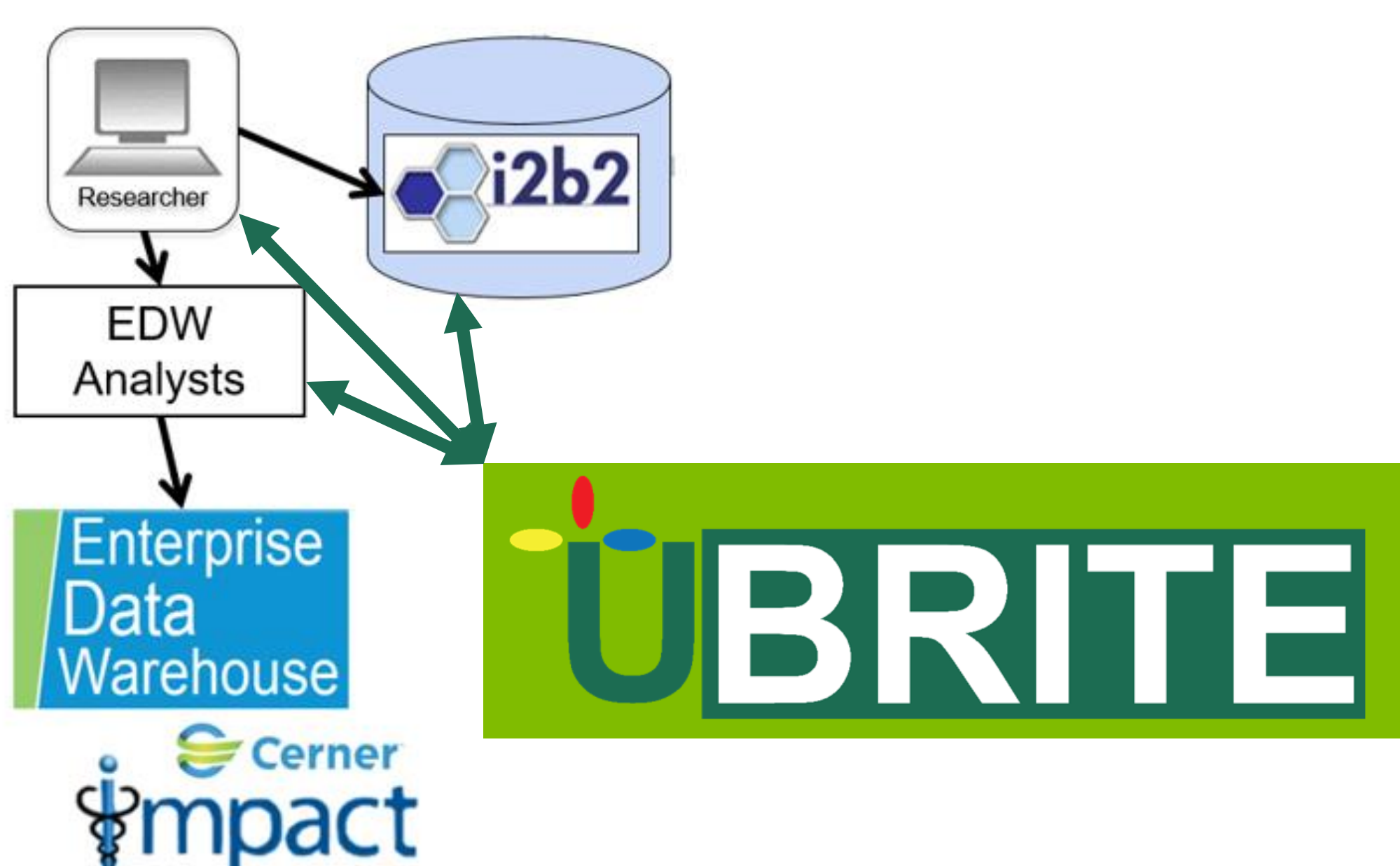
CCTS

Clinical Data Extraction (i2b2 and the EDW)

- i2b2: Self service access tool for UAB Health System clinical data

- Use your BlazerID to log in at: i2b2-uab.hs.uab.edu

- Aggregate data or detailed, de-identified Patient level data

i2b2: De-identified Feasibility and Preliminary Data

- Fully identified clinical data (with IRB approval)

- Analyst supported clinical dataset extraction

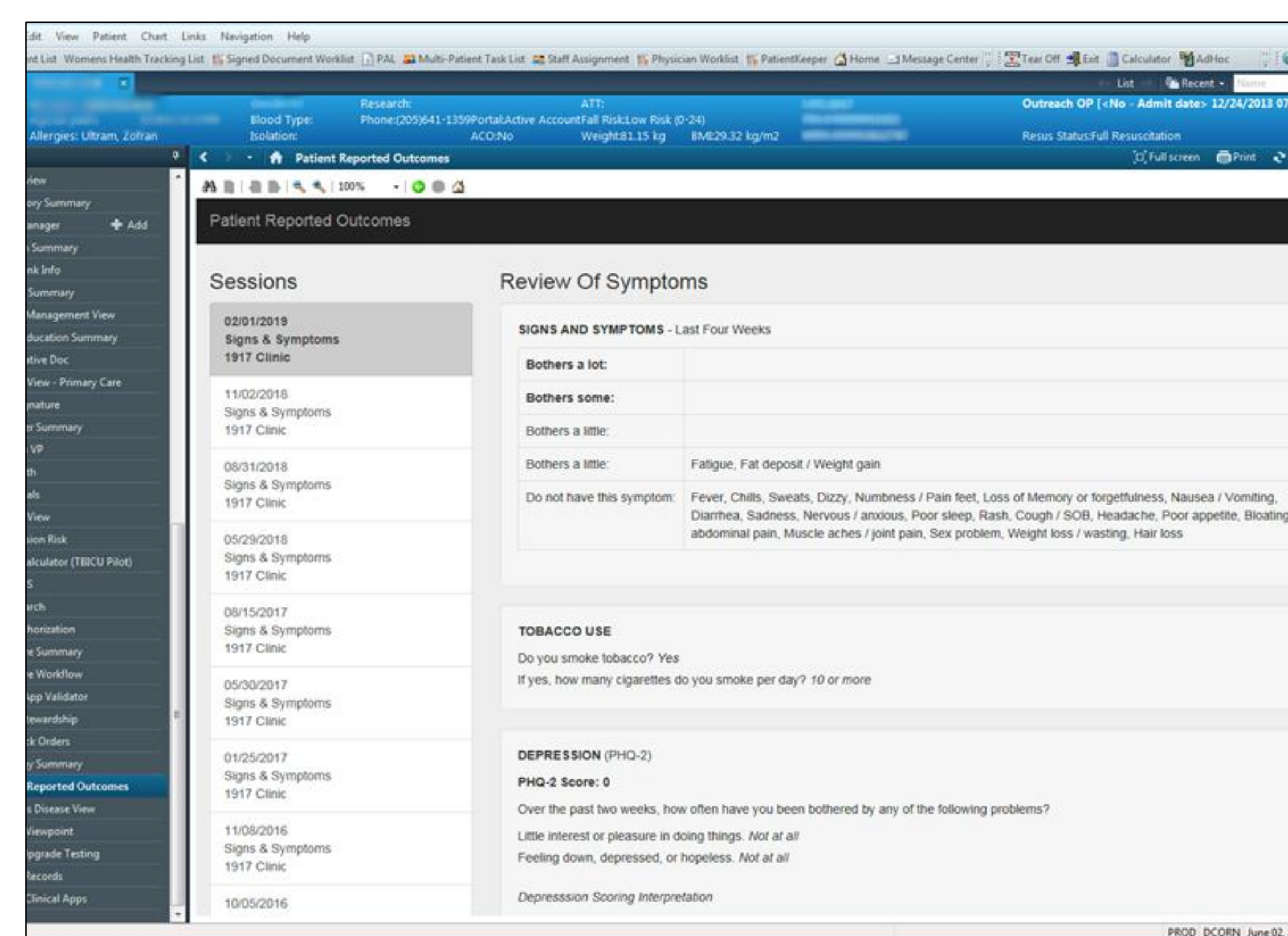- Integration with U-BRITE for clinical and genomic data analysis

i2B2 Content	
1.07 million patients	
22.4 million visits	
796 thousand concepts	
1.14 billion facts	

- Email: i2b2support@uabmc.edu
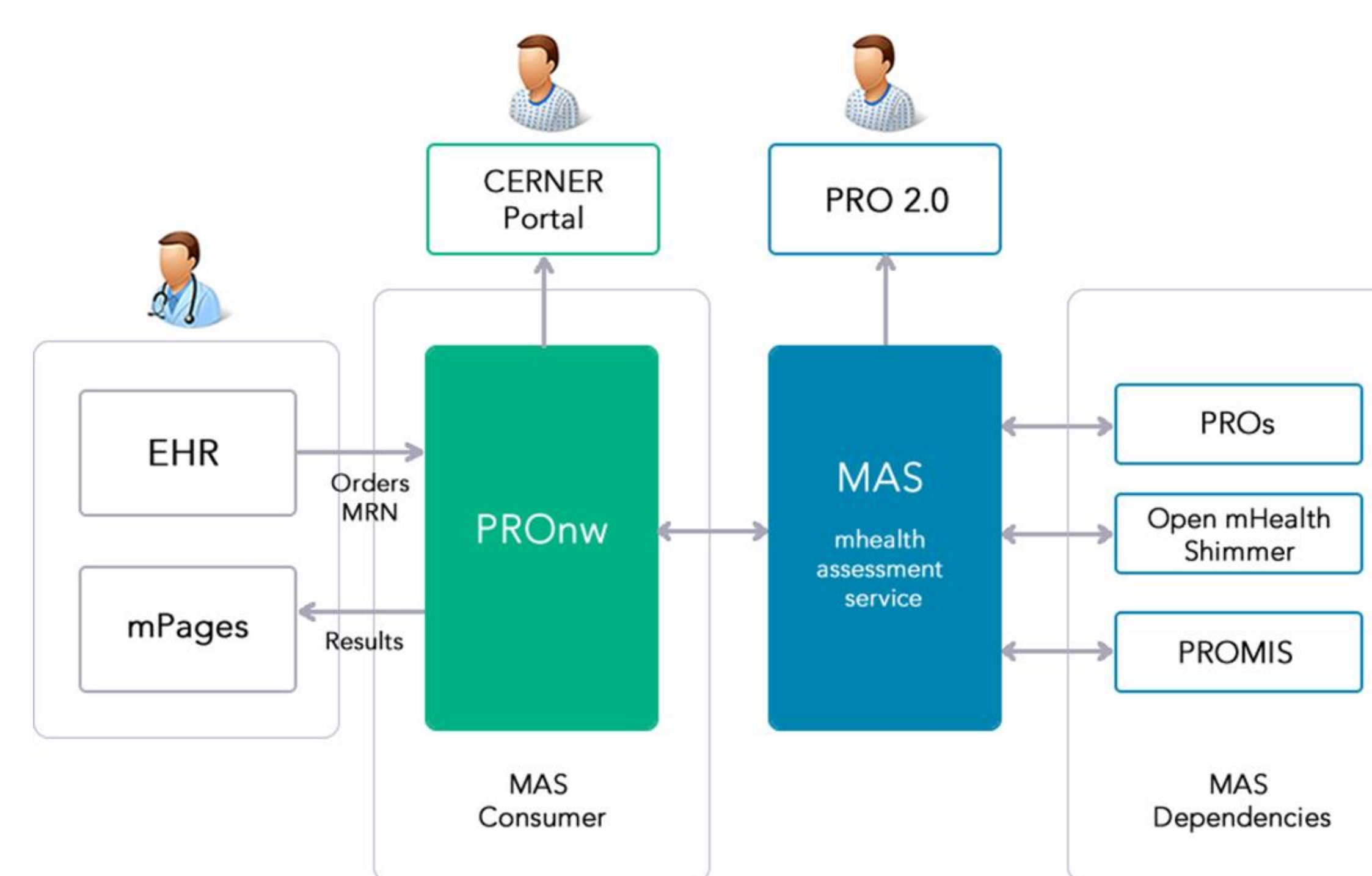
Collecting & Integrating Patient Reported

- Capturing patient reported outcomes in clinical settings throughout UAB is possible with several available tools

- One tool is the PRO 1.0 software that allows you to both create new instruments (from the literature) and use PROMIS instruments

- The instrument library currently includes over > 60 instruments and has been used in 11 organizations (9 clinics at UAB, 2 external orgs)

Sample PRO integration into Cerner – coming 2019!

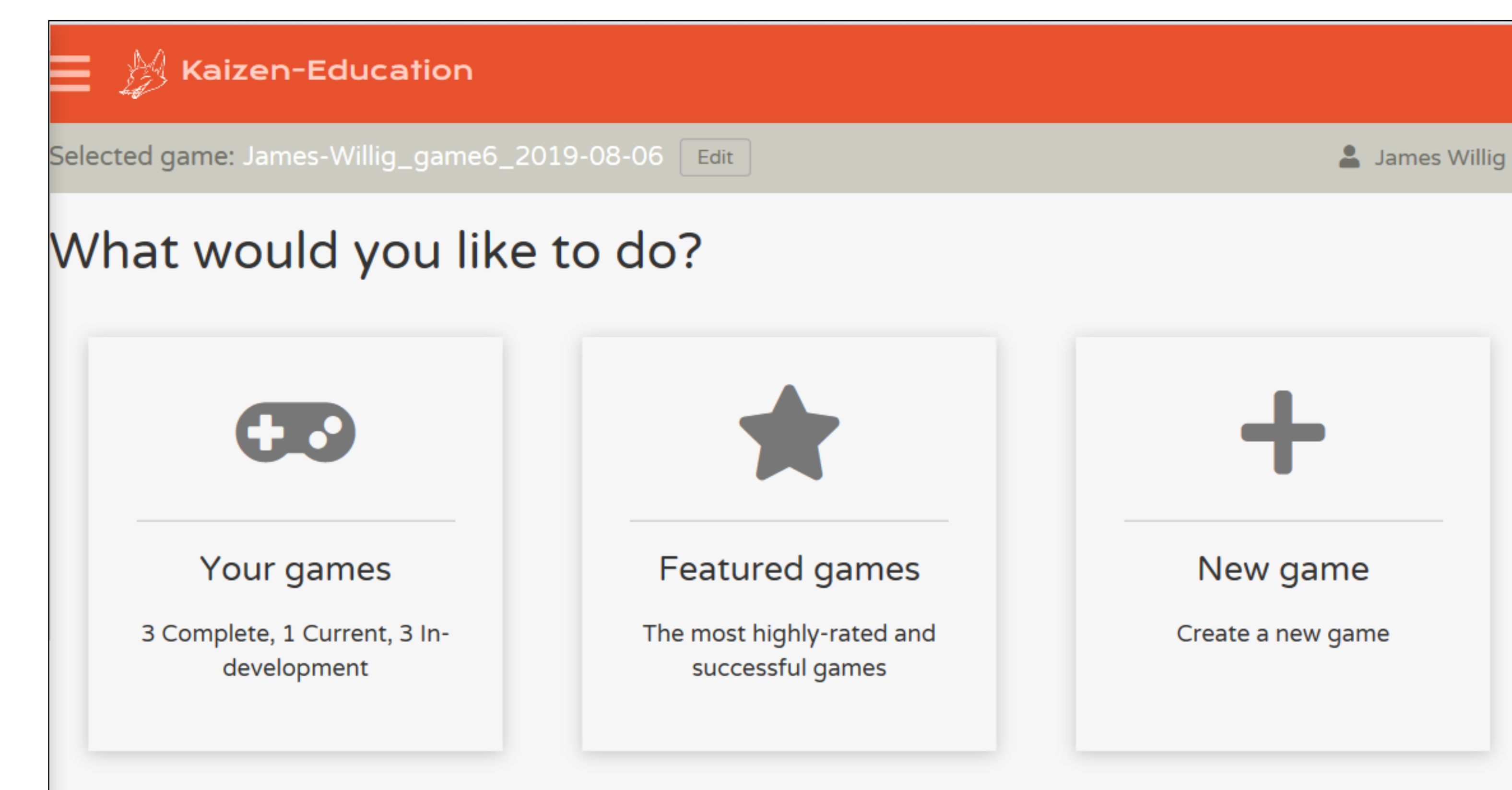## Integration of PRO Data Collection

- Future vision for integrating PRO data capture through the mHealth Assessment Service (MAS) at UAB
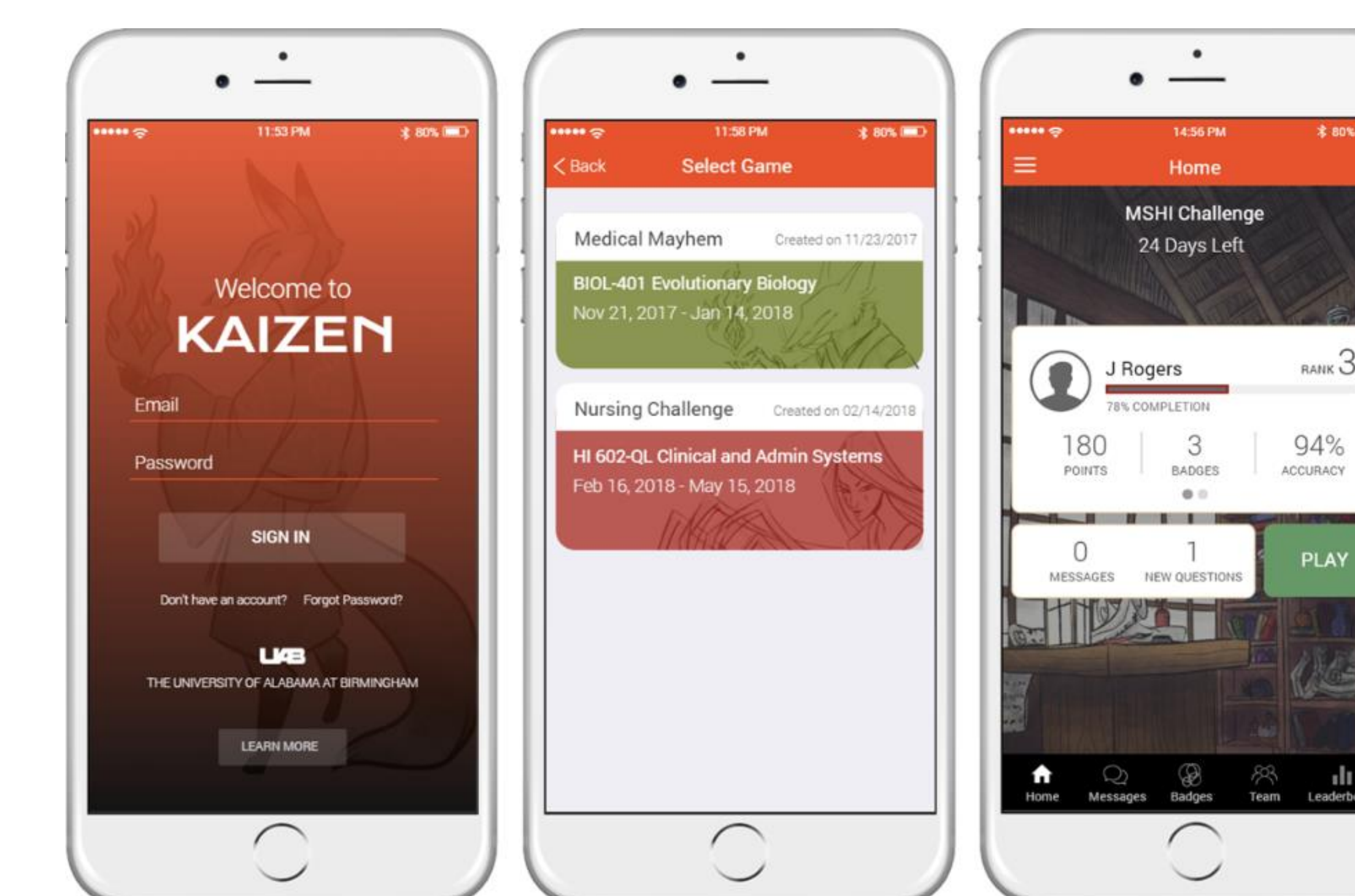

- Email: aguzman@uabmc.edu

Gamification & Education: Kaizen-Education

- Developed by CCTS & the Research and Informatics Service Center

- Platform for enhancing learner engagement using principles of gamification: leaderboards, badges, etc.

- Two applications!
  - Game Manager tools allows educators to create games
  - App available in Google and iOS app stores allows users to play educational games

- Used in collaboration with various schools (Nursing, Public Health, Medicine, etc.) and national collaborations (CCTS R2T Training)

Kaizen-Education Game Manager Tools

Kaizen-Education App

- Email: jettytrip@uab.edu