Frontiers Informatics: Research Tools to Get and Manage Information

- **HERON**: de-identified repository integrates clinical, administrative and research data for KUMC. (1/2 billion facts, 1.8 million patients)
  - https://heron.kumc.edu (you must be on campus or VPN in to campus network)
- **REDCap**: a web-based tool to build and manage research databases.
- **Learn**: attend our bi-weekly Frontiers Informatics Clinic
  - Tuesdays 4-5pm in 1040 Dykes Library at KUMC
- **Collaborate**: for informatics assistance developing your research to incorporate these tools, register a project with Medical Informatics at: http://biostat-pts.kumc.edu/eres/jsp/kumcpr.jsp
  - Identify Frontiers as Center Affiliation
  - Mention tool (REDCap or HERON) in the comments
Example: An query against HERON for currently supported cancer centric data sources

Any neoplasm ICD9 diagnosis (106,000 patients) and a WBC count (121,000) -> 44,000 distinct patients,
*require height (123,000) and weight (154,000) -> 35,000 patients,
•require Wong-Baker pain scale (84,000) -> 14468 patients,
•Body Temperature (158,000) -> 14463 patients,
•Surgical Pathology Procedures CPT (85,000) ->12446 patients,

Finally selective serotonin 5-HT3 antagonist antiemetics -> 8517 patients
With our improved hardware (Fusionio memory cards), the cohort size is returned in 15 seconds for this 8 group query.