The Learning Healthcare System: a 17th Century Viewpoint

Hanabusai Itchō (1652–1724).
Implementation Science

Comparative Effectiveness

Informatics

Genotype/Phenotype

Automated RCTs

Implementation Science

Comparative Effectiveness
Comparative Effectiveness Projects

• Short Term
  – Build routine patient reported outcome database for SHC (satisfaction, functional status, HRQOL)
  – Work with Santa Clara County for HIE database

• X Prize
  – Adaptive clinical trial of cardiac imaging embedded within Google cohort
  – Develop generalized “make or buy” model for health care procedures
Implementation Science Projects

• Short Term
  – Build registry of consented subjects for clinical research
  – Improve capacity for POC randomization for clinical trials at SHC and VA

• X Prize
  – Test order recommender system effects on process quality and cost outcomes
  – Evaluate effect of presentation of social risk factors in EMR
  – Primary care 2.0: Quasi-experimental evaluation of informatics, health coaching, remote visit model