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HOMERUN

The Hospital Medicine Reengineering Network HOMERUN is a network of institutions with hospitalists and patients with the primary aim of developing research and implementation studies to reengineer and optimize care delivery. The network includes organizational governance, data sharing infrastructure, and a variety of tools that support clinical research, including therapeutic trials and comparative effectiveness research. HOMERuN currently includes 14 university and community based institutions - where the majority of hospital care is delivered in America. It draws on the experience of the Vermont-Oxford Neonatal Network and National Surgical Quality Improvement Projects (among others). Its infrastructure is built with open-source technologies created by the National Institutes of Health and others that enable secure cross-institutional data sharing that protects the privacy of patient data, tracks patient consent, and enables patient control of their health information.

Each of the current sites uses i2b2 and SHRINE to develop Comparative Effectiveness Research data discovery resources. The project evolved out of the i2b2 Cross-Institutional Clinical Translational Research project (CICTR) - a SHRINE-based federation of UC Davis, UC San Francisco and the University of Washington. The HOMERUN technical collaboration focusses on the policy, data aquisition and mapping processes, and is moving towards harmonizing necessary version-level implementation for local sites. HOMERUN uses the HOM mapper for concept translation.

Current partners (* indicate live data sites)

- UCSF * (Rob Wynden)
- UC Davis *
- UW * (Nick Anderson)
- U Michigan *
- UC Irvine
- UC SD
- U Penn
- Northwestern
- U Chicago
- Recombinant

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Mar 16, 2016 • updated by Janice Donahoe

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