CPhIT Newsletter: Spring 2021

The Johns Hopkins Center for Population Health IT (CPhIT) focuses on applying digital data sources including, electronic health records, health insurance claims, social determinant of health data, to the measurement and improvement of the health of communities and populations.

If you have questions about the stories or publications appearing herein, or would like to learn more on any of the projects or activities described please contact us at:
ltansky@jhu.edu

Latest Articles by CPhIT Faculty and Staff!

Social and Behavioral Variables in the Electronic Health Record: A Path Forward to Increase Data Quality and Utility

The purpose of this study is to generate recommendations for systematic implementation of SBDH data collection in EHRs through (1) reviewing SBDH conceptual and theoretical frameworks and (2) eliciting stakeholder perspectives on barriers to and facilitators of using SBDH information in the EHR and strategies for data extraction.

Comparing the Predictive Effects of Patient Medication Adherence Indices in Electronic Health Record and Claims-Based Risk Stratification Models

The study shows that embedding adherence measures can modestly improve EHR and claims-based models for risk prediction, with improvements most noticeable in advanced diagnostic models.

Assessing the Impact of Social Determinants of Mental Health on Anti-Tuberculosis Medication Adherence

This study evaluates individual- and community-level needs of housing (one of the SDOH domains) across the patient populations of four academic medical centers, and explores the level of housing needs in patients on tuberculosis medications.

In-Person and Telehealth Ambulatory Contacts and Costs in a Large US Insured Population Before and During the COVID-19 Pandemic

This paper describes changes in health care use and costs pre- and post-COVID-19 in a very large insured US population. This analysis focused on a shift to telehealth.

This study was completed at the Johns Hopkins Bloomberg School of Public Health, Center for Population Health IT (CPhIT) in collaboration with Blue Health Intelligence (BHI), a data analytics company affiliated with the Blue Cross and Blue Shield Association.

Review a full list of CPhIT Publications here

Symposium Available Online:

Capturing Socio-Behavioral Determinants of Health Data in Johns Hopkins Electronic Health Record

Material from this Virtual Symposium Co-hosted by CPhIT on Mar 12, 2021 is available to you. See URLs below for speakers’ slides and full video recording of event.

Visit CPhIT’s YouTube Page

CPhIT’s YouTube page is home to lectures, videos, and event recordings that highlight population health technology and its research and operational applications.

Recently Initiated CPhIT Research Grants:

- A new AHRQ grant entitled: Developing and Assessing the Validity of Claims-based Indicators of Frailty & Functional Disabilities and their Use in Other Data (EHRs and linked EHR-claims). Through the JHU Armstrong Institute ACTION network.
- A new FDA Grant entitled: Disparities in Type 2 Diabetes Adverse Drug Events (ADEs): Assessing disparities in occurrence and outcomes of type 2 diabetes ADEs in minority populations using real-world administrative claims and EHRs. Through the JHU Center of Excellence in Regulatory Science and Innovation (CERSI).

For more information, contact CPhIT Center Coordinator, Elyse Lasser: elasser1@jhu.edu