JOHNS HOPKINS
BLOOMBERG SCHOOL
of PUBLIC HEALTH

CENTER FOR POPULATION HEALTH INFORMATION TECHNOLOGY

CPHIT Spring 2024 Newsletter

See the latest presentations, publications, and news from our center!

Announcement

CPHIT is seeking a new tenure-track Assistant Professor to join our faculty team

A doctorate in computer science, informatics or data sciences is required.

Deadline for application is April 30 2024.

More information at the position application web site:

https://apply.interfolio.com/142759

Read about our Latest Research

CPHIT's featured and associated publications help to highlight the work our center is doing around predictive modeling & novel methods, big data, and social predictive modeling.

Application of natural language processing to identify social needs from patient medical notes: development and assessment of a scalable, performant, and rule-based model in an integrated healthcare delivery system

CPHIT faculty and staff, led by Dr. Elham Hatef, published this paper as the first one in collaboration with the Natural Language Processing group at Johns Hopkins All-Children's Hospital. The focus in this paper was on developing an NLP pipeline that could be operationalized in a healthcare system.

The objective was to develop and test a scalable, performant, and rule-based model for identifying 3 major domains of social needs (residential instability, food insecurity, and transportation issues) from the unstructured data in electronic health records (EHRs). The NLP algorithm performed well, read at the link above!

Latent Class Analysis of Social Needs in Medicaid Population and Its Impact on Risk Adjustment Models

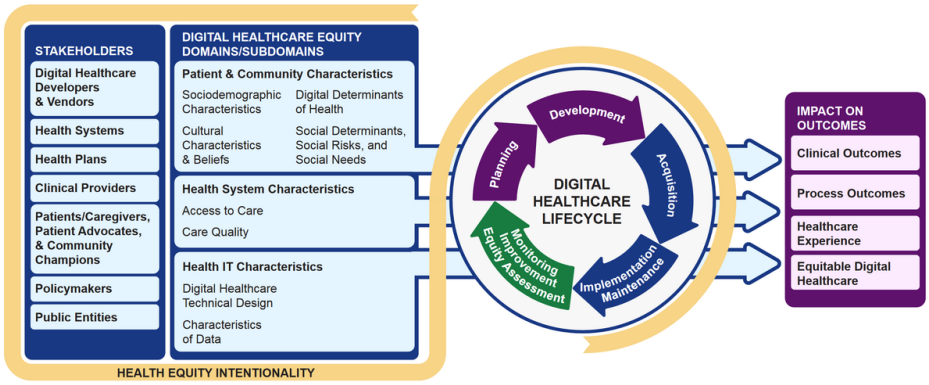
Dr. Chintan Pandya led the CPHIT team in publishing this paper on on Social Needs Latent Class Analysis in Medical Care.

As a growing number of US states are implementing programs to address the social needs of their Medicaid populations through managed care contracts, the group looked to see if

incorporating social needs might also improve risk adjustment methods used to reimburse Medicaid providers.

Incorporating social needs clusters significantly improved risk adjustment models of health care utilization and costs in the study population. Read at the link above!

MEDICAL CARE
Official Journal of the Medical Care Section, American Public Health Association



CPHIT, the JHU Armstrong Institute, and the NCQA author AHRQ monograph offering a new Digital Healthcare Equity Framework

Canadian Paper in CMAJ Open Uses ACGs to Explore Impacts of Primary Care

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Trends in attachment to a primary care provider in Ontario, 2008–2018: an interrupted time-series analysis

Attachment to a regular primary care provider is associated with better health outcomes, but 15% of people in Canada
lack a consistent source of ongoing primary care. They sought to evaluate trends in attachment to a primary care provider in Ontario in 2008–2018, through an equity lens and in relation to policy changes in implementation of payment reforms and team-based care.

Visit our YouTube Channel

See the full list of CPHIT's latest publications here