

Washington's Methods for Analytics Interoperability and Metrics (AIM), Approaches to Data Integration and Dissemination in Population Health

Bryant Thomas Karras*¹, Ali H. Mokdad², Adam Aaseby³ and Ian Painter⁴

¹Informatics Office, WA State, Dept Of Health, Shoreline,, WA, USA; ²University of Washington, Institute for Health Metrics and Evaluation, Seattle, WA, USA; ³Washington State Health Care Authority, Olympia, WA, USA; ⁴University of Washington, North West Center for Public Health Practice, Seattle, WA, USA

Objective

Washington is leading the way in especially novel approaches. Our goal is to share some of these innovative methods and discuss how these are used in State and Local monitoring of Health

Introduction

This year's conference theme is "Harnessing Data to Advance Health Equity" – and Washington State researchers and practitioners at the university, state, and local levels are leading the way in especially novel approaches to visualize health inequity and the effective translation of evidence into surveillance practice.

Description

The Panel will engage in a discussion on how the methodologies and data analytic approaches will be utilized in the surveillance and Healthcare transformation activities in Washington State.

The discussion will include best practice to combine different data sources to provide a better picture of health at the local level. Local health departments need local data to base their policies and programs on and to monitor the impact of their effort. Currently, there are several projects in Washington State and King County to produce burden estimates at the census tract level. We will show some of the early results and share lessons learned so far.

Approaches at the UW including methods of gathering information from EHRs via HIE for population health issues such as healthy weight (BMI) work done with CDC and some work with developmental screening/early intervention and hearing screening standards as outlined by Integrating the Healthcare Enterprise (IHE) Quality, Research and Public Health Committee –with analysis of the problem and an architectural model

Audience Engagement

Ali Mokdad (University of Washington) will share information about the Institute for Health Metrics and Evaluation (IHME),

Ian Painter (University of Washington) will share research from the North West Center for Public Health Practice (NWCPHP),

Adam Aaseby, (Washington State Health Care Authority(HCA)), will share progress on collaborations with DOH and IHME on the Assessment, Interoperability and Measurement (AIM) Initiative, to support the Healthier Washington initiative,

Bryant thomas Karras (Washington State Department of Health (DOH)) will share development and planning around the Informatics Interoperability Roadmap and several data visualization and mapping activities.

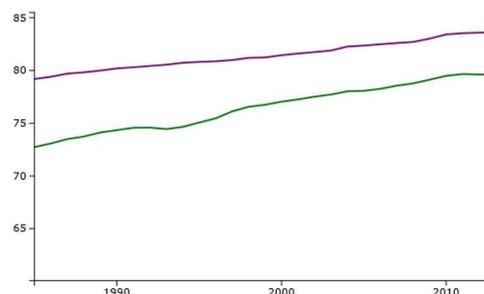


Figure 1: Male and Female life expectancy for King county WA

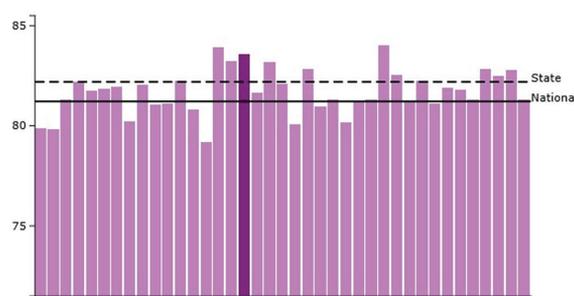


Figure 2 Female life expectancy for WA counties in 2013

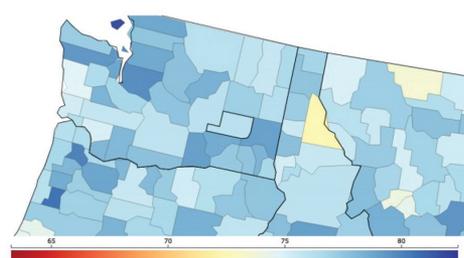


Figure 3 Male Life Expectancy 2013

Keywords

Population Health; Big Data Analytics; Visualization; Informatics; Health Disparity

Acknowledgments

Grants and Federal Matching activities from a variety of sources including CMS, DeBeaumont, CDC, CSTE and ASTHO

*Bryant Thomas Karras

E-mail: bryant.karras@doh.wa.gov

