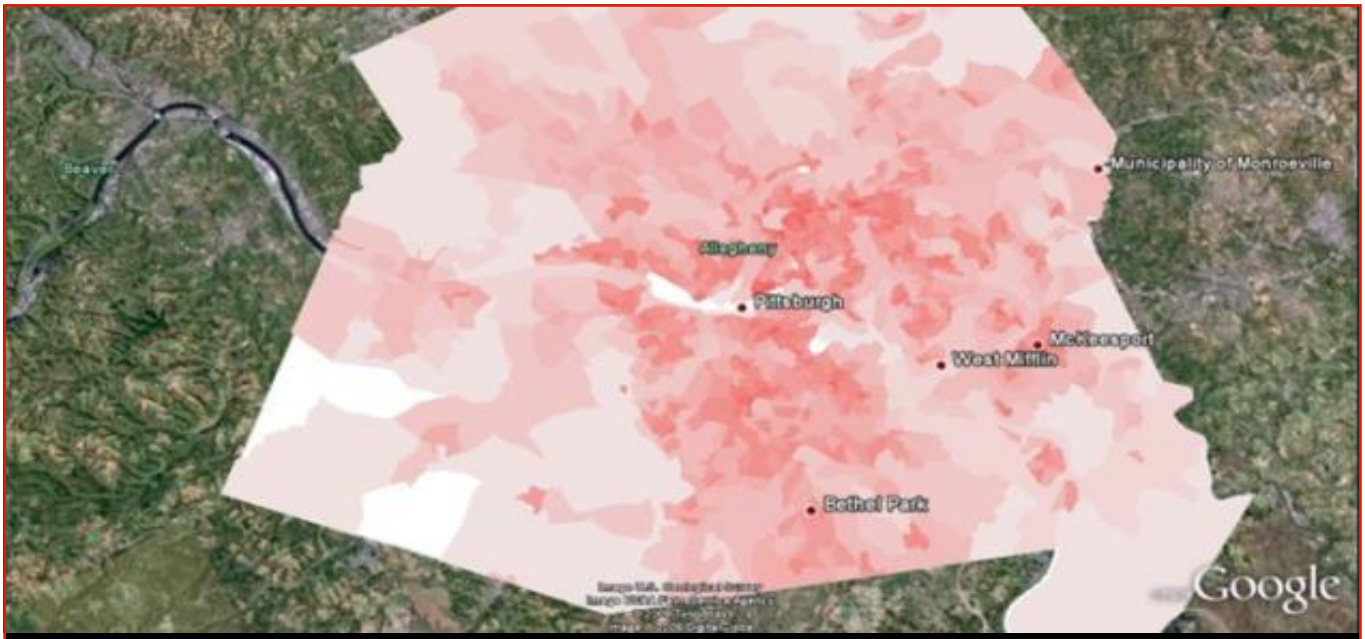

Agent Based Modeling in Public Health Decision Making

Shawn Brown

Director of Public Health Applications
Pittsburgh Supercomputing Center

Wednesday, July 20, 2016
11:00-12:15 pm EDT

Click here to join

For more information contact:
E: cameron.mcrae2@mcgill.ca
T: +1.514.398.3299

Presentation Abstract

Real world public health systems are heterogeneous and complex. Agent-based simulation modeling is uniquely suited to represent these systems at a mechanistic level and provide decision makers a powerful "virtual laboratory" for testing interventions and new ideas on improving population health. Several examples of the use of agent-based modeling will be presented across a range of public health issues and we will discuss how can these sophisticated tools can be used for decision support and advocacy.

About the Webinar Series

The **BRIDGE** webinar series is designed to prepare for the next generation of big data analytics, woven into transdisciplinary and intersectoral sciences, policy and innovation, and serving as catalyst for solutions at scale to better address the seemingly intractable problems that lie at the nexus of health and wealth production, distribution and consumption. A key to accelerate change lies in establishing bridges between sectoral big data, and between data and content. To foster real time learning, the **BRIDGE** webinar series brings together a new solution-oriented transdisciplinary translational paradigm for the four *M*s of big data sciences used on both sides of the health and economic divide (*M*achines, *M*ethods, *M*odels and *M*atter).

PITTSBURGH SUPERCOMPUTING CENTER
McGill Centre for Convergence of Health and Economics
JOHNS HOPKINS GLOBAL OBESITY PREVENTION CENTER