



## Roundtable on Population Health Improvement

### Workshop: How Modeling can Inform Strategies to Improve Population Health

April 9, 2015

#### AGENDA

**Location:** National Academy of Sciences, Lecture Room

2101 Constitution Avenue NW, Washington, DC

#### WORKSHOP OBJECTIVES:

- (1) Identify how modeling could inform population health decision makers' strategies and decision making based on lessons learned from models that been used successfully (or not)
- (2) Identify opportunities and barriers to incorporating models into decision-making
- (3) Identify data needs and opportunities to leverage existing and collecting new data for modeling

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#### 8:15 am    Welcome and overview of the day

*David Kindig, professor emeritus of population health sciences, emeritus vice chancellor for health sciences, University of Wisconsin-Madison, School of Medicine and Public Health; co-chair, IOM Roundtable on Population Health Improvement*

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#### 8:25 am    Context-setting presentations

*Moderator: Louise Russell, distinguished professor, Institute for Health, Health Care Policy and Aging Research and Department of Economics, Rutgers University*

**Talk 1: Why modeling matters in improving population health**

*Steven Teutsch, planning committee chair, former chief science officer, Los Angeles County Public Health*

**Talk 2: Why do we need models and how have they been used?**

*Ross Hammond, senior fellow, Economic Studies, and director, Center on Social Dynamics and Policy, Brookings Institution*

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#### 9:05 am    Q&A/Discussion

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#### 9:20 am    Case studies of models used to inform health policy

**Case studies will illustrate:** (a) different kinds of models, (b) how they have been used, (c) effectiveness (or lack thereof) in informing decisions.

*Moderator: Marthe Gold, professor emerita of community health and social medicine, Sophie Davis School of Biomedical Sciences, City College of New York; visiting scholar, New York Academy of Medicine*

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**Case study 1: Tobacco models**

*David Mendez, associate professor of health management and policy, University of Michigan*

**Case Study 2: EPA air standards**

*Pasky Pascual, former director, Council for Regulatory Environmental Modeling, Environmental Protection Agency (EPA)*

**Case Study 3: Regional health reform**

*Bobby Milstein, director, ReThink Health*

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10:20 **Break**

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10:35 **Discussion of case studies**

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11:05 **Remarks from the IOM President**

*Victor Dzau, President, Institute of Medicine*

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11:20 am **What would population health decision makers like from models?**

*Gary VanLandingham, director, Pew-MacArthur Results First Initiative*

**Instructions for discussion groups**

*Steven Woolf, professor of family medicine and population health, and director, Center on Society and Health, Virginia Commonwealth University*

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11:45 am **What would population health decision makers like from models? (Continued; 5 minutes to move to breakout rooms)**

**Group 1 (Room 250): Health risk factors (e.g., obesity, substance abuse); Facilitator: Karen Minyard, Georgia Health Policy Center**

**Group 2 (Room 118): Natural & built environments (e.g., air, water, transit, housing); Facilitator: Pasky Pascual, EPA**

**Group 3 (East Court—outside Lecture Room): Social & economic conditions (e.g., education, income, discrimination); Facilitator: Gary VanLandingham, Results First**

**Group 4 (Room 280): Integrated health systems (e.g., community conditions and clinical services); Facilitator: Bobby Milstein, ReThink Health**

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12:45 pm **Lunch**

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1:15 pm **Discussion groups report back** (10 minutes each group, followed by 20 minute discussion to explore action items for future model development)

Rapporteurs:

*Group 1: George Miller, fellow, Altarum Institute*

*Group 2: JT Lane, assistant secretary, Louisiana Department of Health and Hospitals*

*Group 3: Nick Macchione, director, San Diego Health and Human Services Agency*

*Group 4: Louise Russell, Rutgers University*

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2:15 pm **Barriers and opportunities for using models to inform population health interventions and policies**

*Moderator: Bobby Milstein, director, ReThink Health*

**Talk 1: Model validation and decision making**

*Michael Weisberg, associate professor, Department of Philosophy, University of Pennsylvania*

**Talk 2: Improving communication with policymakers on the use and usefulness of models**

*Karen Minyard, Director & Associate Research Professor, Department of Public Management and Policy, Georgia Health Policy Center*

*Representative Sharon Cooper, chair, health and human services committee, Georgia State House of Representatives*

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3:00 pm **Discussion of barriers and opportunities**

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3:30 pm **Break**

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3:45 **Future Directions**

*Moderator: Steven Teutsch, former Chief Science Officer, Los Angeles County Public Health*

**Talk 1: Preventive and Population Health Models Group at the CMS Center for Medicare and Medicaid Innovation**

*Darshak Sanghavi, director, Preventive and Population Health Models Group, Center for Medicare and Medicaid Innovation/Centers for Medicare & Medicaid Services*

**Talk 2: Lessons for Using Modeling in Assessing Health Impact**

*Rajiv Bhatia, director, The Civic Engine*

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4:30 **Discussion with all workshop attendees on future directions and capacity building**

*Facilitator: Steven Teutsch*

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5:00 pm **Reflections on and reactions to the day**

*George Isham, senior advisor, HealthPartners, senior fellow, HealthPartners Institute for Education and Research; co-chair, Roundtable on Population Health Improvement*

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5:30 pm **Adjourn**

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*For more information about the roundtable, visit [www.iom.edu/pophealthrt](http://www.iom.edu/pophealthrt) or email [pophealthrt@nas.edu](mailto:pophealthrt@nas.edu).*

*Live Tweeting? Please use #PopHealthRT.*