



**Integrating and Analyzing “Big Data” Across Sectors to Improve the Health and Wellbeing of Populations: Overview of Challenges, Opportunities, and Experiences to Date in the U.S.**

***A collaborative workshop coordinated by the Johns Hopkins Bloomberg School of Public Health for visitors from Israel.***

October 9, 2018 - 8:30am-3:30pm

Johns Hopkins Bloomberg School of Public Health (JHSPH)  
624. North Wolfe Street, Baltimore, MD 21215  
Room: E9519

**Key goals of workshop expressed by Israeli meeting coordinators from the JDC:**

1. To learn about a wide range of concrete examples of how big data has been used to address social and health challenges.
2. To inspire our government & JDC partners by seeing that big data is already being used in the U.S. to improve society and inform policymaking.
3. To identify specific applications that we may wish to import and adapt to Israel in the foreseeable future.
4. To hear about the challenges faced in U.S. regarding big data and how they are being addressed.
5. To spark ideas for potential collaborations between Israeli colleagues and JHSPH and other from US.

## **Agenda**

8:30am-9:00am

**Coffee and Continental Breakfast**

9:00am-9:15am

**Welcome, Goals of Day & Introductions**

Keshia Pollack Porter, PhD, MPH, JHSPH  
Joshua Sharfstein, MD, JHSPH  
Michael Hartal, MD, MPH, Myers-JDC-Brookdale

9:15am-10:00am

**Overview of Big Data Issues & Challenges in US – and Frontiers for Future Research and Development**

Jonathan Weiner, DrPH, JHSPH,  
Hadi Kharrazi, PhD, MHI, JHSPH

10:00am-10:15am

**Identification of Big Data Issues in Israel & Identifying Areas of Interest for Possible Collaboration**

Bruce Rosen, DSc, Myers-JDC-Brookdale Smokler Center for Health Policy Research

10:15am-10:25am

**Break**

10:25am-11:00am

**Lightning Round of Ideas for Collaboration in Big Data Domain**

Presenter: Harold Lehmann, MD, JHSPH

Respondent: Rani Dudai, JDC-Elka

Presenter: Ron Goetzal, PhD, MA, JHSPH & IBM/Truven

Respondent: Yael Mazuz Harpaz, MA, Israel Ministry of Labor, Social Affairs, and Social Services

**Questions to be addressed by presenter and respondent during the Lightning Round and then again during the Group Discussion.**

1. What do you view as the top 2-3 challenges that need to be addressed within your nation (i.e., either US or Israel) to better integrate social determinant and medical "big data" to improve health and welfare?
2. What do you view as the top 2-3 untapped opportunities that could be capitalized on within your nation to better integrate social determinant and medical "big data" to improve health and welfare?
3. What ideas do you have for collaboration across US and Israeli organizations to address the top issues you identified? Are there any potential ideas or "lessons" from this meeting that could be applicable?

11:00am-12:00pm

**Facilitated Group Discussion to Explore Potential Areas of Collaboration**

Moderator: David Chin, MD, MBA, JHSPH

Goals: To have a group discussion that covers issues raised during the morning presentations and to suggest feasible, high impact near-term collaboration ideas.

12:00pm-1:00pm

**Lunch - W9514**

1:00pm-3:15pm

**Special Case Studies**

**Each presenter will cover:**

1. What are the key the problems/issues of focus?
2. How can big data be used to help address the problem?
3. What are some of some of challenges?
4. Key lessons/implications of experience to date and ideas for next steps.

- 1:00-1:45

**Big Data in Support of Studying Patterns of Falls in the Community**

Presenter: Darcy Phelan-Emrick, DrPH, Baltimore City Health Department

Respondent: Nir Kaidar, MA, Israel Ministry of Health

Discussion Moderator: Joshua Sharfstein, MD, JHSPH

- 1:45-2:30

**Big Data in Support of Blight Elimination Efforts in City Neighborhoods**

Presenter: Michael Braverman, JD, Baltimore Department of Housing and Community Development

Respondent: Alon Messer, Israel Ministry of Finance

Discussion Moderator: Craig Pollack, MD, MHS, JHSPH

- 2:30-3:15

**Big Data in Support of the Hospital's Efforts to Address the Social Determinants of Health**

Presenter: Tatiana Warren-Jones, PhD, Business Intelligence Specialist, Bon Secours Health System

Discussant: Orly Weinstein, MD, MHA, Israel Ministry of Health

Discussion Moderator: Keshia Pollack Porter, PhD, MPH, JHSPH

3:15pm-3:30pm

**Wrap-up and Next Steps**

Keshia Pollack Porter, PhD, MPH, JHSPH

Joshua Sharfstein, MD, JHSPH

Michael Hartal, MD, MPH, Myers-JDC-Brookdale

3:30pm

**Meeting Concludes**

6:30pm

**Evening Cocktail Reception**

Miss Shirley's  
750 E. Pratt Street  
Baltimore Inner Harbor  
Baltimore, MD 21202