SF PARTNERSHIP FOR HEALTHY CITIES

UPDATES ON BRIDGING THE DATA DIVIDE BETWEEN HEALTH SYSTEMS AND PUBLIC HEALTH

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SFBay CRN Annual Meeting

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POPULATION HEALTH DIVISION
SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH
Partnership for Healthy Cities

The Partnership for Healthy Cities is a prestigious global network of cities committed to saving lives by preventing noncommunicable diseases (NCDs) and injuries.
Current State of Chronic Disease Data for Public Health
FUTURE State of Chronic Disease Data for Public Health

Department of Public Health

Policy
Systems Change
Environmental Change

City of San Francisco

SFHN
UCSF
Dignity
Kaiser
Sutter

Programs
Educational Efforts
FUTURE State of Chronic Disease Data for Public Health

Department of Public Health
- Policy
- Systems Change
- Environmental Change

City of San Francisco
- Programs
- Educational Efforts

SFHN
Dignity
Kaiser
Sutter
UCSF
Updates Since the 4th Annual SFBay CRN Meeting

- Health system engagement
  - 4 health systems have signed on
  - Master data use agreement drafted

- Public health infrastructure
  - Dedicated epidemiologist
  - Secure server space identified

- Funding
  - Additional support from Bloomberg Philanthropies

Data!
Hypertension Control
Overlaying Neighborhood Socioeconomic Status

UCSF Population Health Data Initiative
Map created by UCSF DREAM Lab

Data Sources:
California Neighborhoods Data System, Gomez et al. 2011
Hypertension Control Overlaying Greeness

UCSF Population Health Data Initiative
Map created by UCSF DREAM Lab

Data Sources:
California Neighborhoods Data System, Gomez et al. 2011
Available from: www.calands.org/
Neighborhood Socioeconomic Status
Diabetes Patients*

*Fabricated data
Uncontrolled Diabetes Patients*

*Fabricated data
Uncontrolled Diabetes Clusters*
*Fabricated data
SFDPH Partnership for Healthy Cities Data Hub

- Individual
  - Diagnoses
  - Labs
- PHI

ANALYSIS
- Clinic/hospital/system dashboards
- GIS coding
- Stratification by race/ethnicity
- Predictive analytics

INTERVENTIONS
- Policy change
- Systems change
- Environmental change
- Community health campaigns

Population health (community)

SF Public Health EHR Data Hub

De-identified

Identifiable

Population health (health systems)

Kaiser

Sutter

UCSF

VA

Dignity

SFHN

Adapted from Michael Stacey, MD MPH
Bridging the Data Divide Between Health Systems and Public Health

- Better targeting of public health efforts
  - Sunday Streets fairs that encourage outdoor activities and community engagement
  - Wellness policies in childcare facilities
- Facilitate connection of public health programs to specific registry of patients
  - Exercise prescriptions/referrals to free exercise programs
  - Connection to food programs
  - Distribution of smoking quit kits
- Reporting of aggregate data back to health systems to support health system-specific population health initiatives
- Early detection of trends in chronic disease
In November of 2016, San Francisco City voters passed Proposition V, a measure that calls for a 1¢ per fluid ounce tax on sugary drinks – including syrups, and powders that can be made into sugary drinks. Distributors of sugary beverages, syrups, and powders in San Francisco are responsible for paying the Tax. The Tax has been collected since January 1, 2018.
Next steps

- Pilot interventions with 2-4 health systems
  - Collaborative Advisory Committees
- Hiring project manager and informatics lead
- Approval of data use agreements
- Continue to onboard additional health systems
Questions? Comments? Join our efforts!

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