Social Determinants of Health Anchoring Our Communities

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Social Determinants of Health

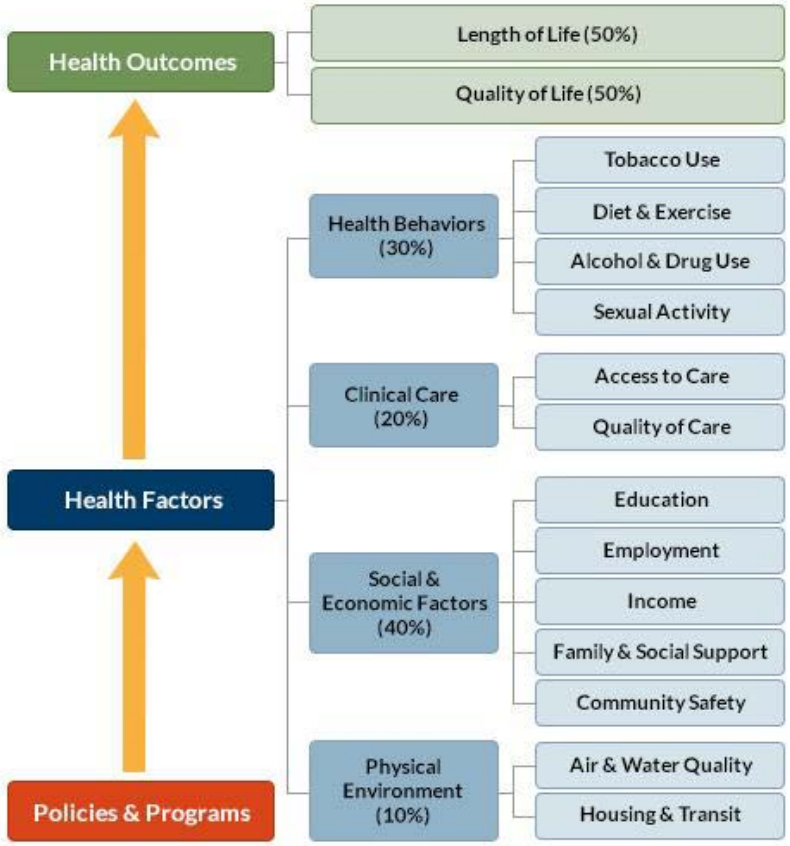
Economic Stability	Neighborhood and Physical Environment	Education	Nutrition	Community and Social Context	Healthcare System
• Employment • Income • Expenses • Debt • Medical bills • Support	• Housing • Transportation • Safety • Parks • Playgrounds • Walkability	• Literacy • Language • Early childhood education • Vocational training • Higher education	• Hunger • Access to healthy options	• Social integration • Support system • Community engagement • Discrimination	• Health coverage • Provider availability • Provider linguistic and cultural competency • Quality of care

Health Outcomes

Mortality, Morbidity, Life Expectancy, Healthcare Expenditures, Health Status, Functional Limitations

The National Landscape

Impacting State Health Rankings- Learning from NY- 40th to 10th



New York State 2019-2024 Prevention Agenda Priorities

To improve health outcomes, enable well-being, and promote equity across the lifespan

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Focuses on addressing social determinants of health and reducing health disparities

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Incorporates a Health Across All Policies approach

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Emphasizes healthy aging across the lifespan

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Promotes community engagement and collaboration across sectors in the development and implementation of local plans

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Maximizes impact with evidence-based interventions for state and local action

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Advocates for increased investments in prevention from all sources

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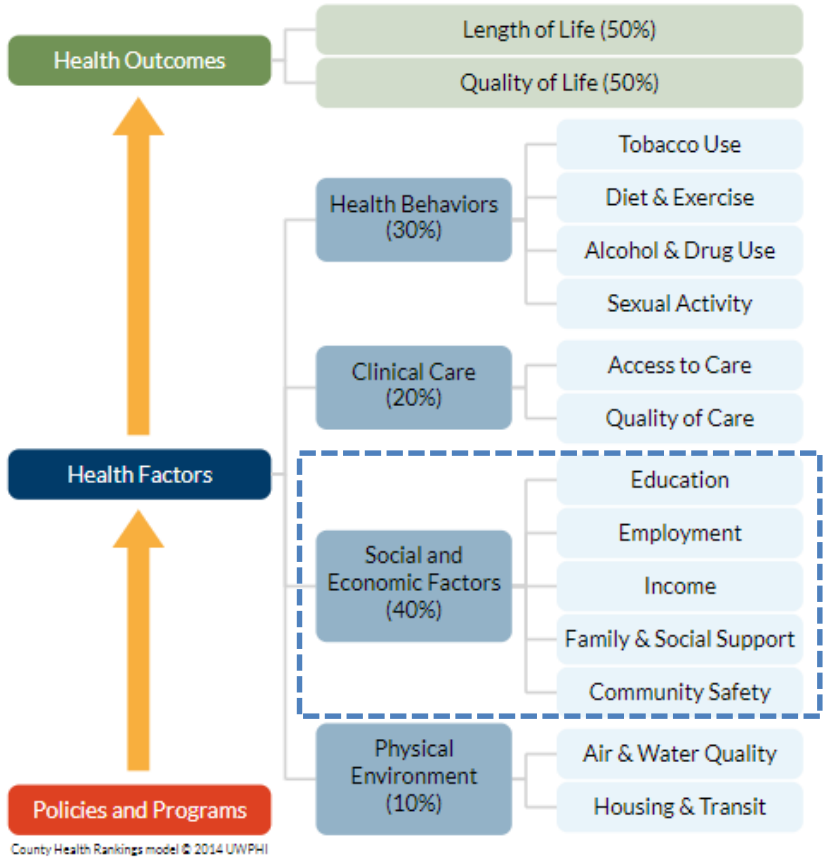
Concentrates on primary and secondary prevention, rather than on health care design or reimbursement

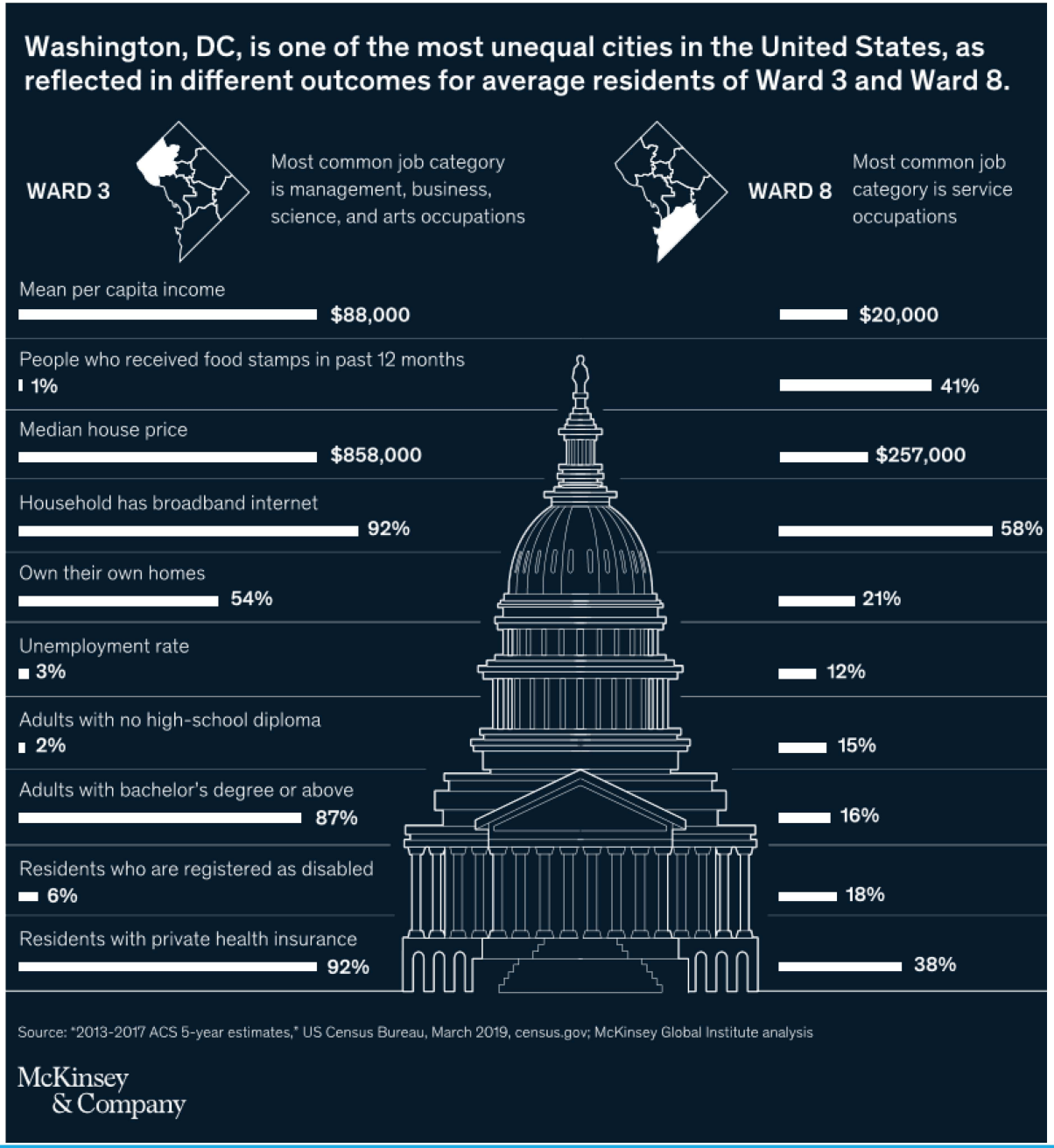
https://www.health.ny.gov/prevention/prevention_agenda/2019-2024/docs/ship/nys_pa.pdf

Patient Centered Care
Individual and Community Health

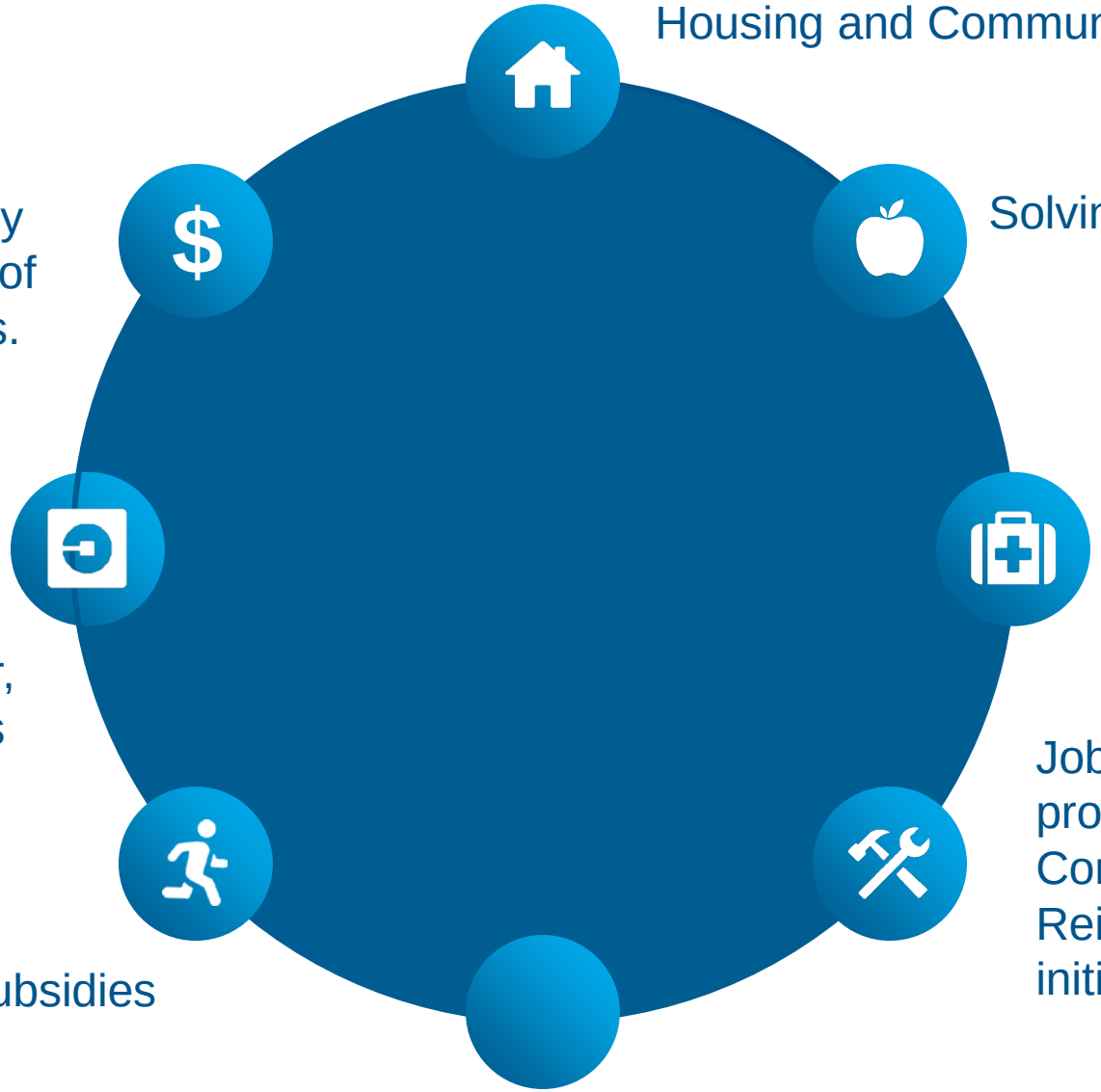


Addressing Social Determinants of Health:

- New innovative partnership programs
- Social needs/mental health screening
- New technology to track and close-loop referrals
- Integrated services
- Investment in social service programs and co-location of services
- Centene Social Health Bridge™ Trust


Washington, DC, is one of the most unequal cities in the United States, as reflected in different outcomes for average residents of Ward 3 and Ward 8.
WARD 3
Most common job category is management, business, science, and arts occupations
WARD 8
Most common job category is service occupations
Mean per capita income
$88,000
$20,000
People who received food stamps in past 12 months
1%
41%
Median house price
$858,000
$257,000
Household has broadband internet
92%
58%
Own their own homes
54%
21%
Unemployment rate
3%
12%
Adults with no high-school diploma
2%
15%
Adults with bachelor's degree or above
87%
16%
Residents who are registered as disabled
6%
18%
Residents with private health insurance
92%
38%
Source: "2013-2017 ACS 5-year estimates," US Census Bureau, March 2019, census.gov; McKinsey Global Institute analysis
McKinsey & Company

How to Address Social Determinants of Health?



Housing and Community Development

Banking and financial literacy solutions. End of payday lenders.

Solving Food Insecurity

Primary Prevention and Access Solutions

Transportation Solutions. Uber, Lyft, Taxi, Mass Trans.

Job readiness programs. Post Corrections Reintegration initiatives.

Fitness and behavioral health subsidies

Food Insecurity Realities

1 in 4
Medicaid members food insecure[1]

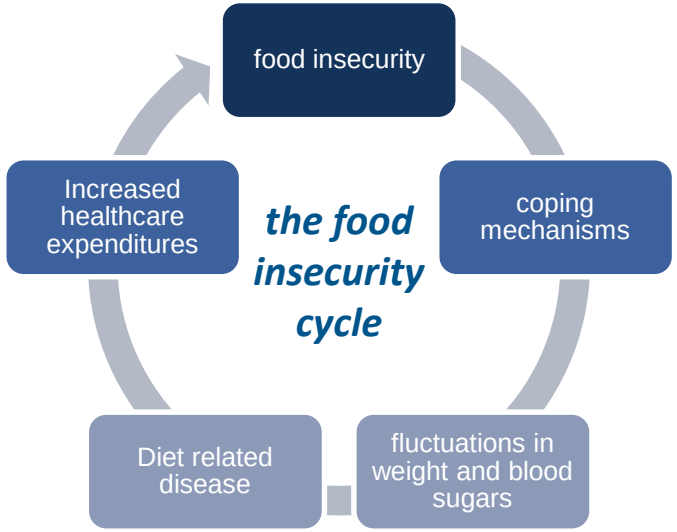
- **50M** Number of Americans receiving SNAP benefits [2]
- **2-3 weeks** Average time for SNAP benefits to run out every month[3]
- **79%** Percent of families who purchase inexpensive, unhealthy food when SNAP benefits run out[4]

1,3 Envolve Lab: Louisiana Member Needs Assessment; August 2017.
2 https://www.snaptohealth.org/snap/snap-frequently-asked-questions
4: https://www.feedingamerica.org/sites/default/files/research/hunger-in-america/hia-2014-executive-summary.pdf

Health Consequences of Food Insecurity

$1,863

Additional healthcare spend per year for the food insecure



- **$5,144** Add'l HC spend for food insecure adults with Heart Disease compared to the food secure
- **$4,414** Add'l HC spend for food insecure adults w/diabetes compared to food secure

http://frac.org/wp-content/uploads/hunger-health-impact-poverty-food-insecurity-health-well-being.pdf
https://www.ers.usda.gov/webdocs/publications/84467/err-235_summary.pdf?v=42942

Food Security Interventions: Potential Savings Opportunities

12-15% ▼
ER reduction potential for hypoglycemia by increasing SNAP benefits[1]

176M ▼
WIC Program Net Savings of Federal and state Medicaid dollars[2]

109M ▼
Medicaid cost reduction potential by increasing meal delivery by 1% to the homes of older adults[3]

30% ▼
Percent reduction of food insecurity through the SNAP program[4]

$30 ▲
Additional SNAP benefit dollars needed to met the needs of the food insecure[5]

30% ▼
Percent reduction in medication non-compliance for elderly adults on SNAP vs. non-SNAP elderly adults[6]

1. Heflin, C., Hodges, L.Mueser, P., "SNAP benefits and ER Visits for hypoglycemia," Public Health Nutrition, May 2017.
2. Foster, Jiang, & Gibson-Davis; 2010; Khanani et al., 2010; Hoynes, Page, & Stevens, 2009; Lazariu-Bauer et al., 2004; El-Bastawissi et al., 2007; GAO, 1992; Muhajarine et al., 2012.
3. Thomas & Mor, 2013a; Thomas & Mor, 2013b; Thomas & Dosa, 2015.
4, 6: https://www.cbpp.org/research/food-assistance/snap-is-linked-with-improved-nutritional-outcomes-and-lower-health-care
5: https://www.cbpp.org/research/the-relationships-among-snap-benefits-grocery-spending-diet-quality-and-the-adequacy-of-low

B A R R I E R S

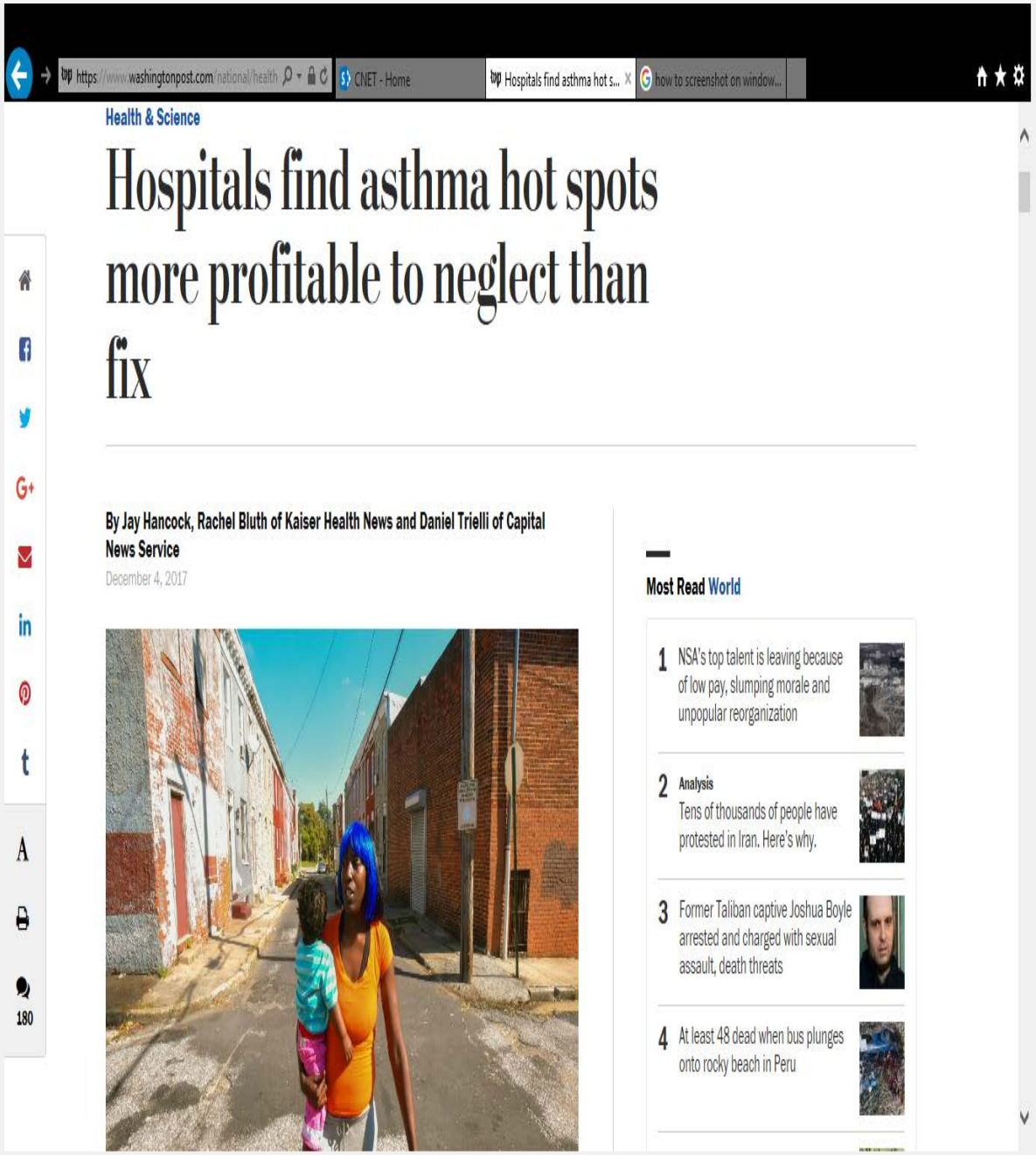
Identify the Barriers

Work with the communities and members we serve to identify barriers that impede health outcomes.

CENTENE® Corporation

Case Study: Baltimore-Asthma

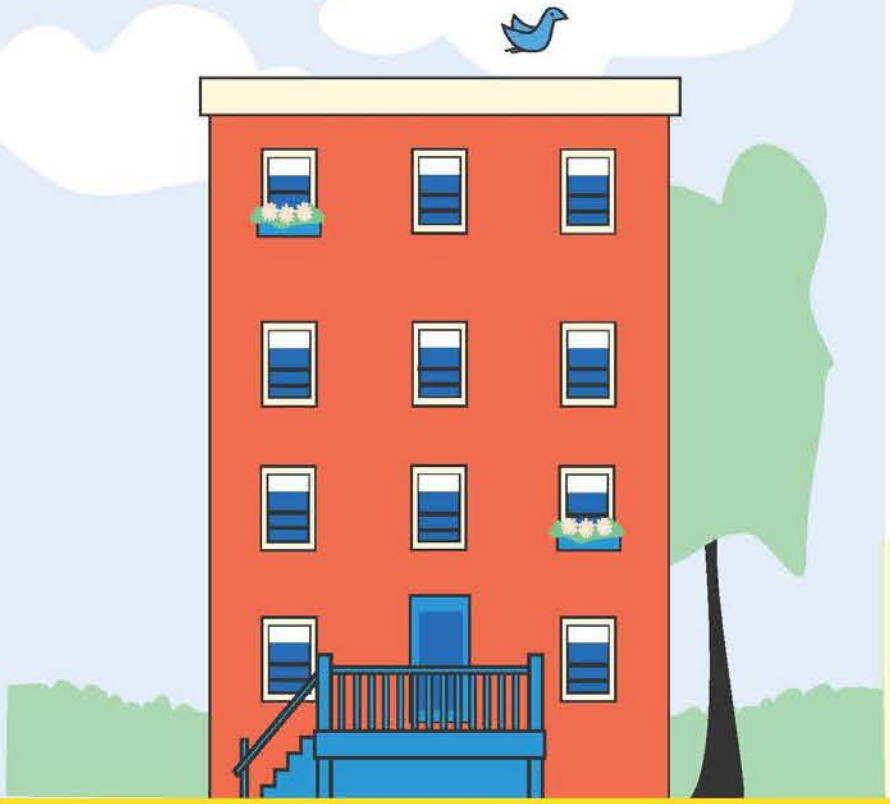
- Baltimore 21223 zip code. Asthma flare ups 4X the rate of neighboring zip codes. 2nd highest Asthma Admissions
- Within 3 miles of Johns Hopkins and 1 mile of University of Maryland Medical Center
- These two institutions collected ~$84 million in 3 years to treat Baltimore Asthma patients
- Asthma admissions now are medically ~ 90% avoidable
- Yet Asthma is the most common childhood condition. Affecting 50% of families living in poverty. 500,000 admissions per year, 2 million ER Visits. Thousands of Deaths Annually
- Baltimore each ER visit paid ~$871, inpatient stay $8698. In a 3 year period $6.1 million spent for treating just 50 inpatients (high utilizers 10 stays each)
- Johns Hopkins' own research showed shifting dollars from hospitals to improve housing through providing half the cost of one admission could improve outcomes. Yet they did little to nothing.
- Total Annual Cost of Asthma Care in US: 50 Billion



Does your patient need an asthma home visit referral?

BPHC offers 2 FREE home-based services for Boston residents with asthma

Help your patients keep their asthma under control



Healthy Homes
Asthma Home Visit Program

BOSTON PUBLIC HEALTH COMMISSION
Building a Healthy Boston
Mayor Martin J. Walsh

Visit by CHW includes:

- Asthma education (& review medications)
- Visual assessment for asthma triggers
- Cleaning & pest management supplies
- Additional resources and referrals

Download Referral Form: **www.bphc.org/asthma**
Attach Asthma Action Plan & Allergy test results if possible
Fax to **617-534-2372**

Breathe Easy
at Home Program

Boston Inspectional Services Department (ISD) inspectors will:

- Identify asthma triggers that are covered by the MA sanitary code
- Work with landlords to correct these poor housing conditions

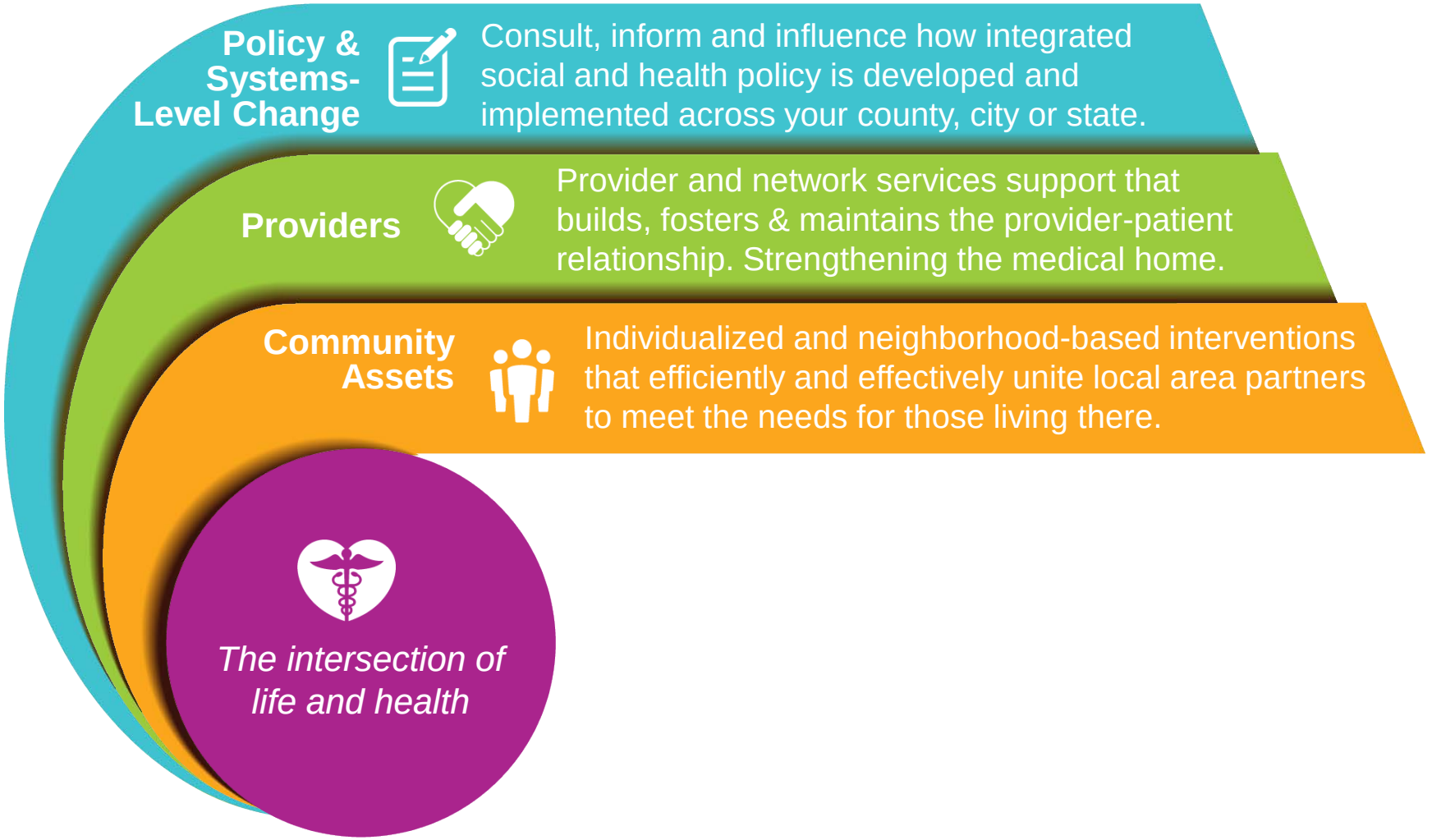
Referral login: **www.cityofboston.gov/isd/bmc**
Login support & Info: **617-534-2485**

How to make a referral

1. Check eligibility (Boston resident, qualifies per referral form)
2. Obtain patient consent
3. Fill out forms completely and submit referral

617-534-5966 | asthma@bphc.org | www.bphc.org/asthma | Asthma Prevention & Control | 1010 Massachusetts Ave., 2nd Floor, Boston, MA 02118

Building a SDOH Framework



Let’s Talk!


SOCIAL DETERMINANTS OF HEALTH
environment
access
land
gender
control of resources
culture
Jobs
racism
Colonization
languages
Justice
self determination
and much more
family
housing
School
Abc
early childhood education
Home
away from home