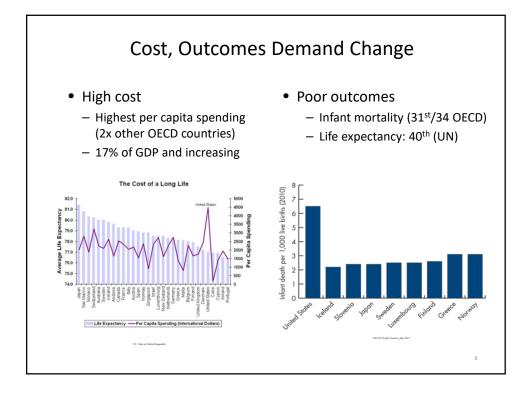


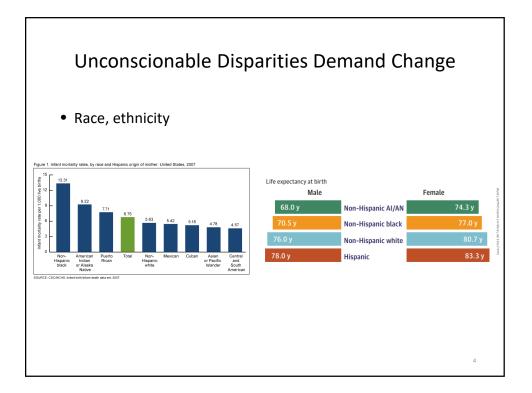
Claire Pomeroy MD, MBA

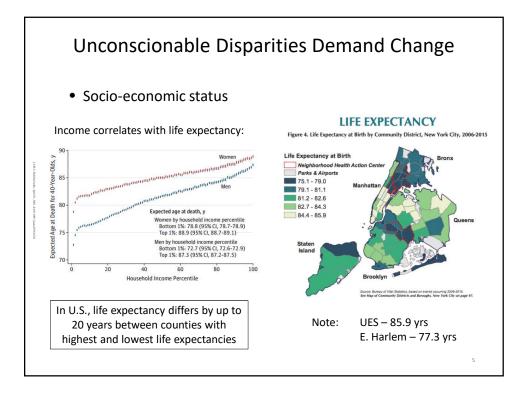
Innovation Café: Strategies to Address Social Determinants of Health Oregon Health Authority Transformation Center

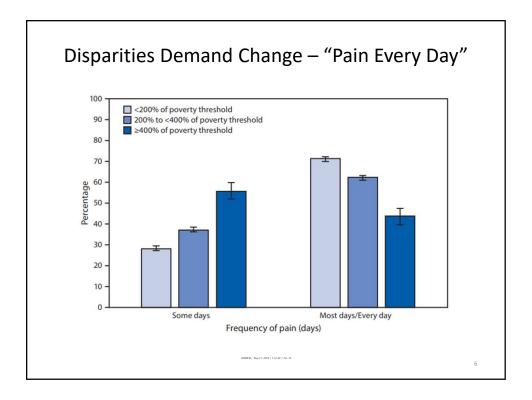
June 5, 2019







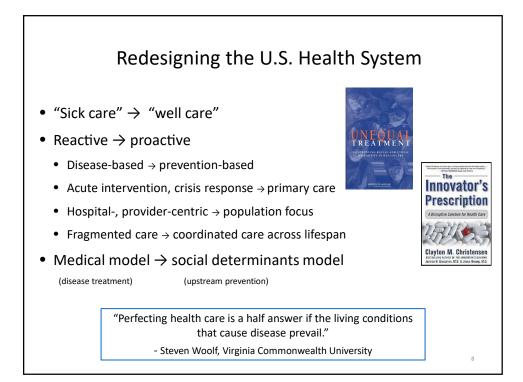


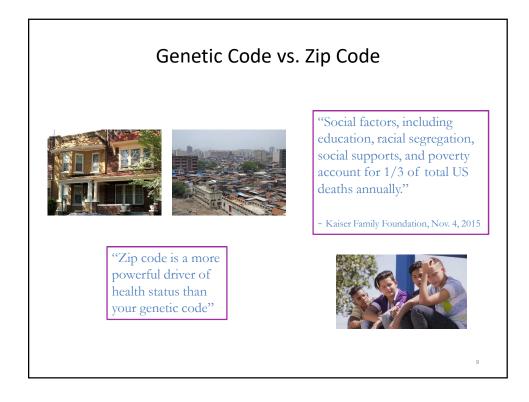


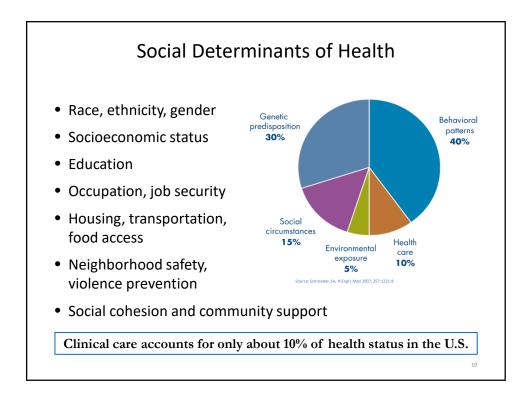


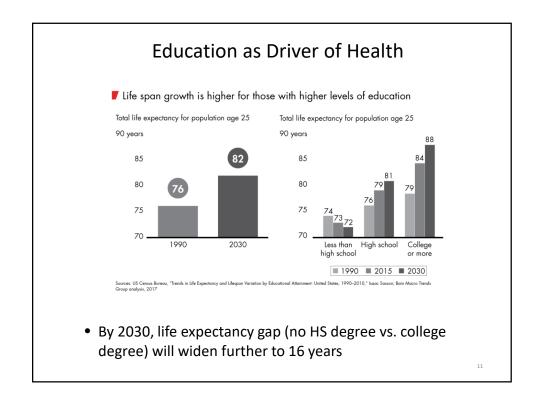
"Of all the forms of inequality, injustice in health care is the most shocking and inhumane."

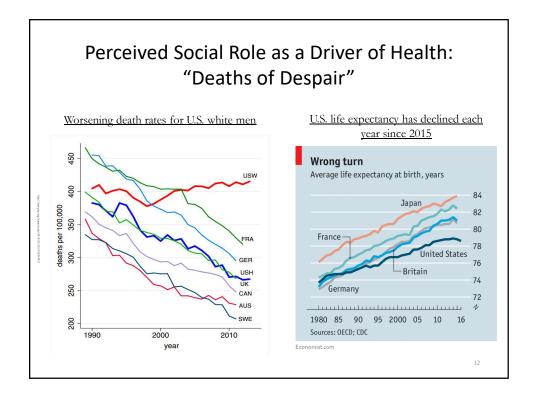
"True health comes from social and economic justice." - Sandro Galea

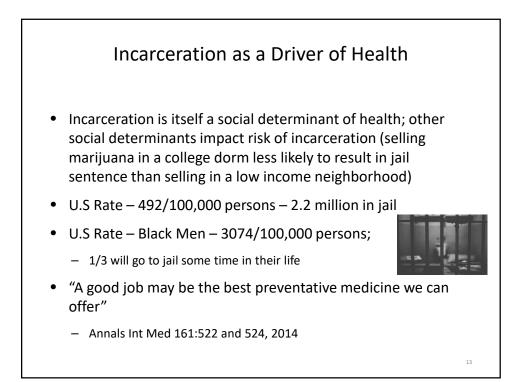


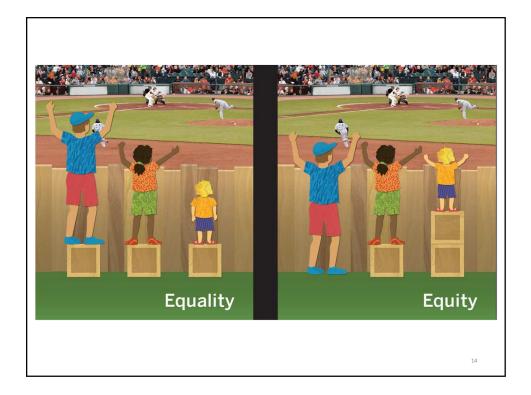


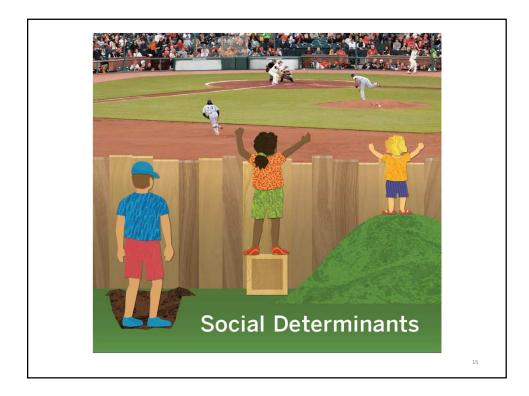


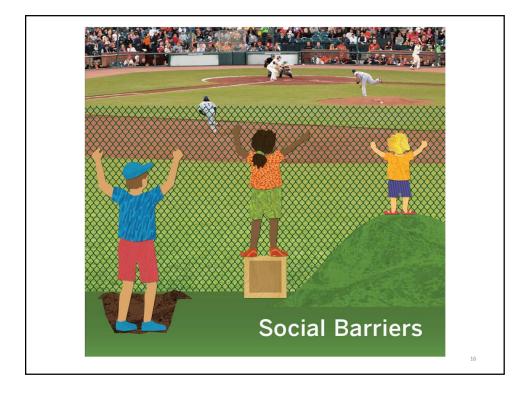




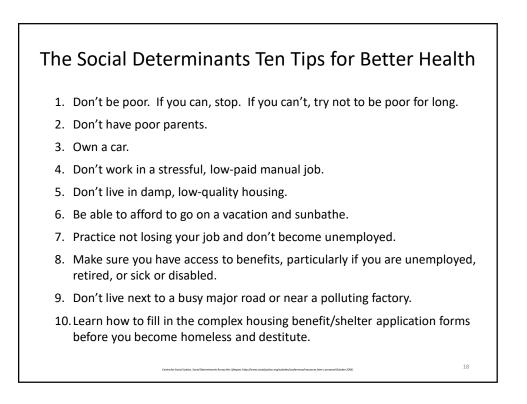


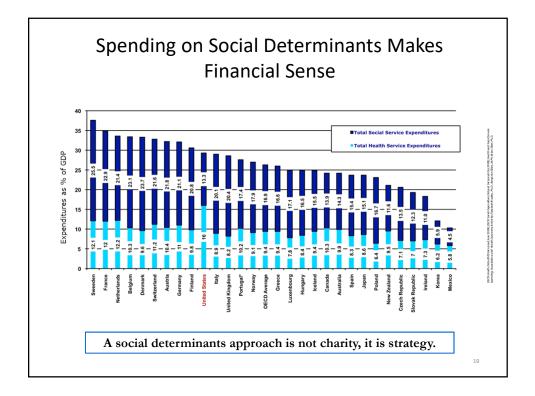


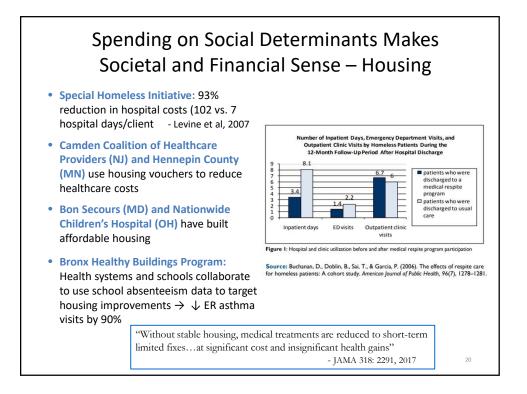














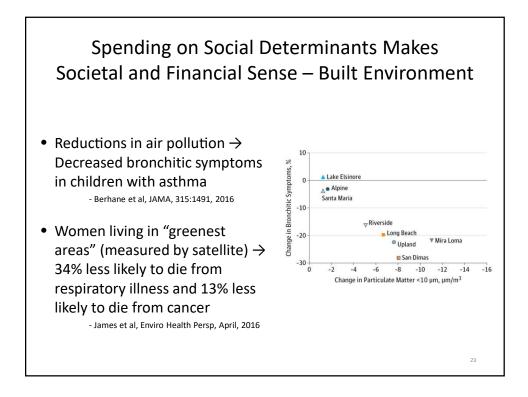
- 23.5 million Americans live in a food desert
- Community grocery stores can revitalize a neighborhood and improve health
- Food insecurity has been linked to obesity, diabetes in adults; and poor glucose control in adult diabetics -J Gen Intern Med 22: 1018, 2007
- Every \$25 increase in home-delivered meals per older adult → 1% decline in nursing home admits

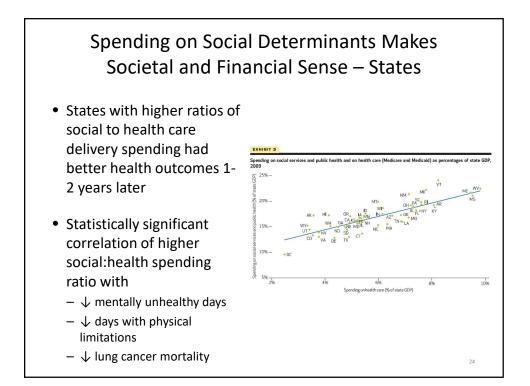




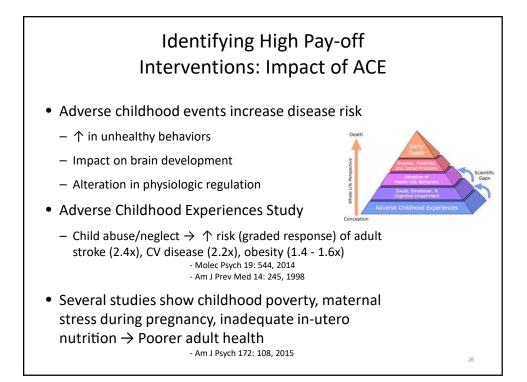
- Health Aff (Millwood) 32:1796, 2013





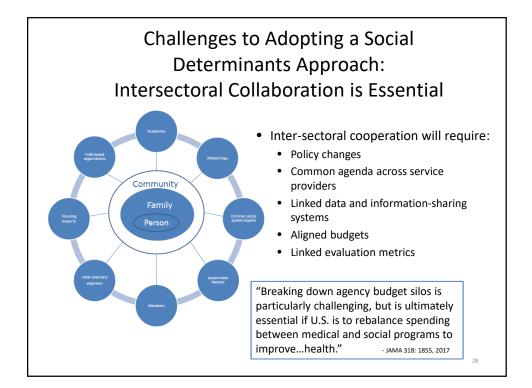


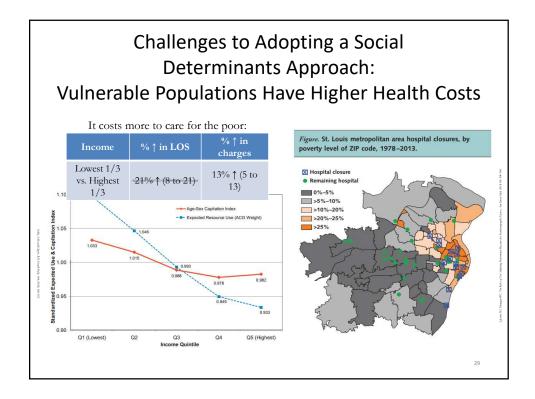


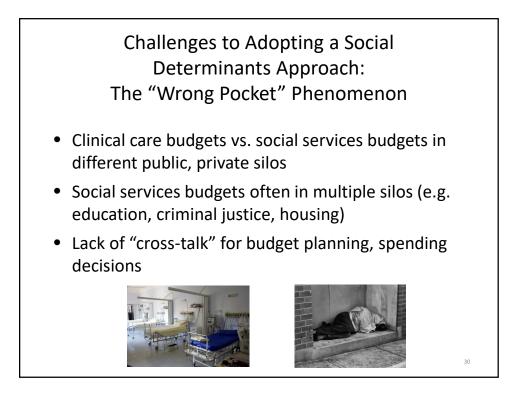


Identifying High Pay-off Interventions: Start with Kids

- Early childhood interventions can improve adult health
- Carolina Abecedarian Project
 - Disadvantaged children randomized to intervention
 Play stimulation + free meals (age 0-5)
 - $-\downarrow$ cardiovascular disease risk as adults (age 30)
 - Systolic BP: 143 (control) vs. 126 (treated)
 - Metabolic syndrome: 25% (control) vs. 0 (treated)
 - Cost of phase 1 intervention (\$67,000 in 2002 dollars)
 Fetal Science 343: 1478, 2014
- Concept of "allostatic load" accumulation of physiologic and psychologic stress on ability to maintain homeostasis

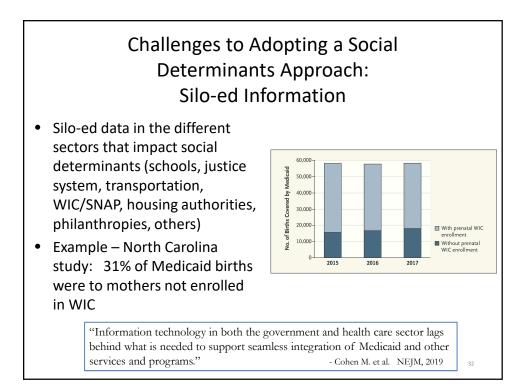


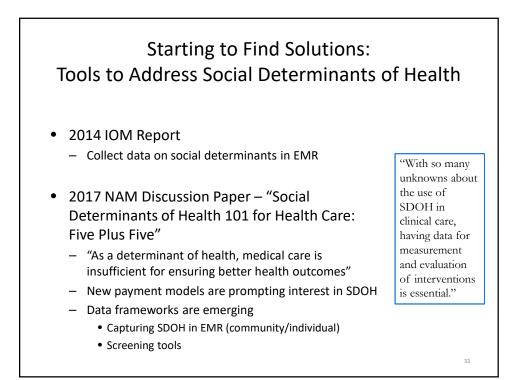


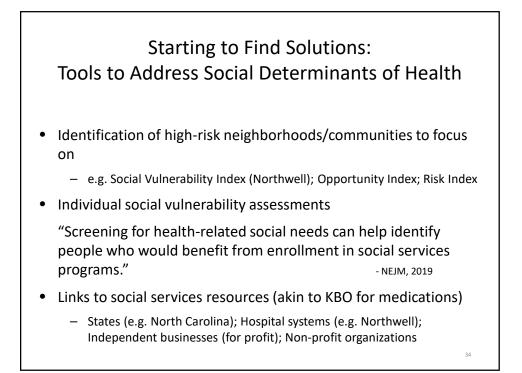


Challenges to Adopting a Social Determinants Approach: Silo-ed Information

- Proprietary clinical care information between providers, health systems, payers, others
- Lack of social determinants data accessible to providers, policy-makers, others (individual, community-level, etc.)
- Lack of information on available social services in clinical settings









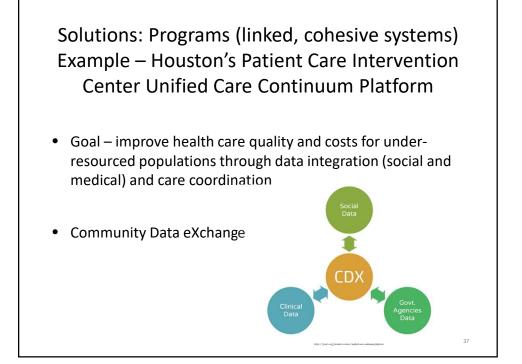
- We must implement systems that sustain a social determinants approach
- Solutions include:
 - Programs (in a linked, cohesive system)
 - Policies (that provide incentives for SDOH approach)
 - Payment practices (that solve the "wrong pocket" problem)
 - Technologies (linked IT systems, etc.)
 - Research (especially economic analysis)

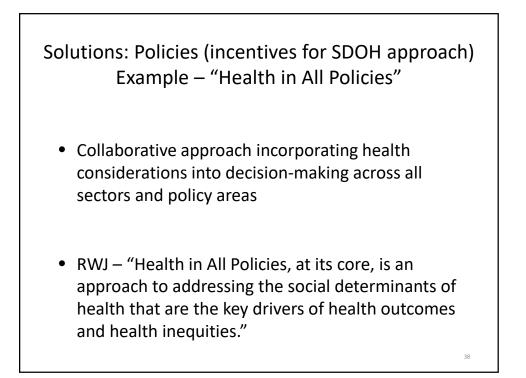
Solutions: Programs (linked, cohesive systems) Example – Camden Coalition

- 64-page "playbook" on how to address social determinants in high-risk patients – "complex care"
 - Importance of access to shared data; must overcome pushback from clinical organizations and insurance companies

"We use data to drive decisions. We use data to impact people's lives every day. It's data in action."

- Victor Murray, Director, Care Management



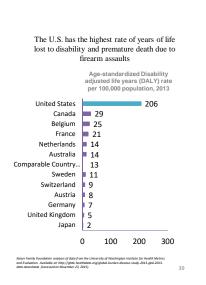


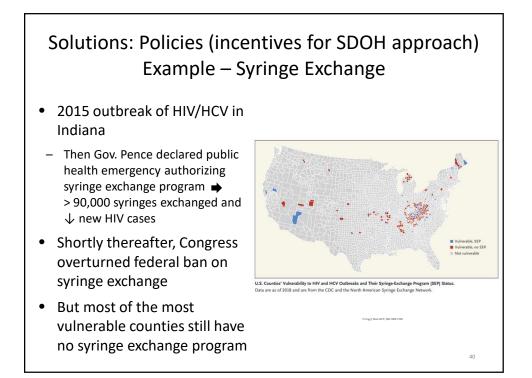
Solutions: Policies (incentives for SDOH approach) Example – "Health in All Policies"

• Example – Agricultural subsidies: High-fructose juices linked to obesity "One government office subsidizes corn, while across the hall, another funds an anti-obesity campaign"

versus

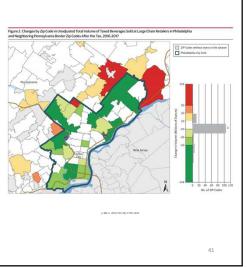
- Example Tax breaks for grocery stores that locate in inner city neighborhoods
- Challenging given that health impacted by controversial social issues





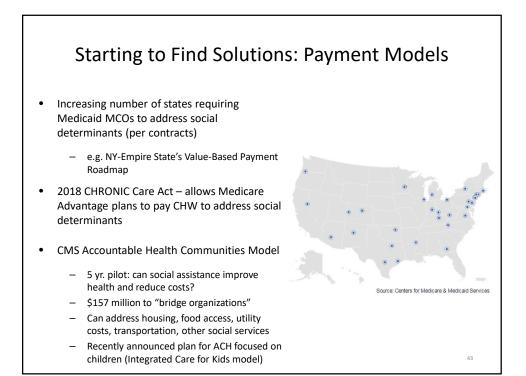
Solutions: Policies (incentives for SDOH approach) Example – Soda Tax

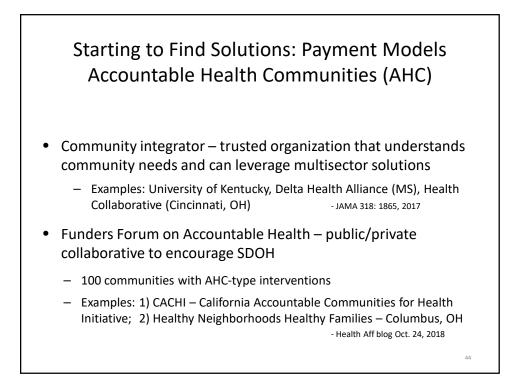
- Philadelphia Tax (1.5¢/ounce)
 ⇒ 38% ↓ in soda sales (1 billion fewer ounces of soda in 2017 than in 2016)
- Revenues used for pre-K access, medical services in schools, investment in parks
- Similar results in Mexico and in 7 U.S. cities

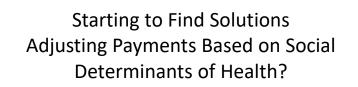


Starting to Find Solutions: Payment Models Incentivizing Providers to Address Social Determinants

- Community needs assessment requirements
- Managed care organizations responsible for longer-term outcomes (vs. FFS)
- CMS' State Innovation Models Initiative innovative models to address population health
 - CMS amended Medicaid managed care rule to incentivize Medicaid MCOs to cover "non-medical" expenses crucial to achieving health outcomes







- Individual Level
- Community Level

