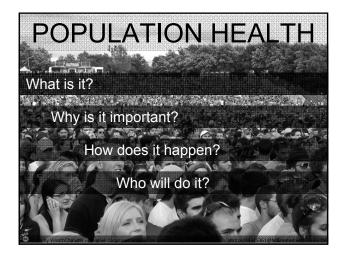


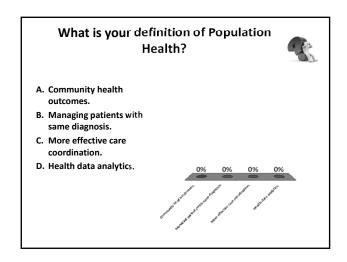
Population Health
The "Primary" Opportunity Facing the U.S.
Healthcare System

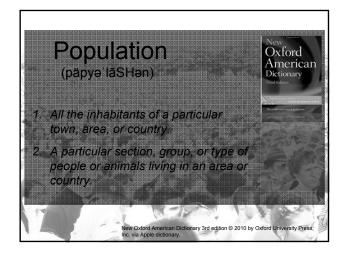
Drew Harris, DPM, MPH

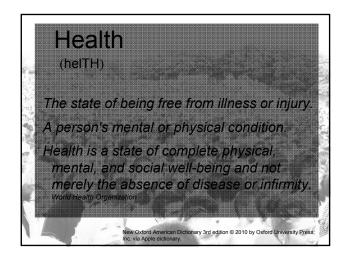
Director, Health Policy & Population Health Programs Thomas Jefferson University College of Population Health drew.harris@jefferson.edu • @drewaharris

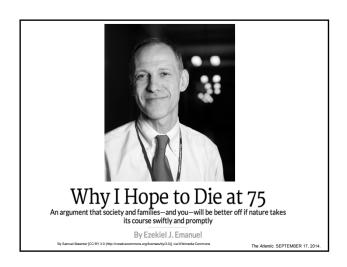


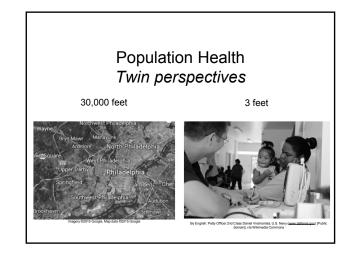
Objectives Describe how population health is defined and implemented by health systems. Describe the challenges facing healthcare executives in demonstrating the value of the services they provide to their patients, payers, and the larger community. Discuss challenges facing healthcare executives in prioritizing resources and identifying opportunities to be successful in population health.

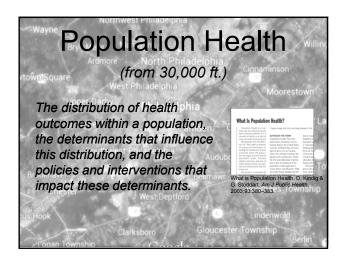


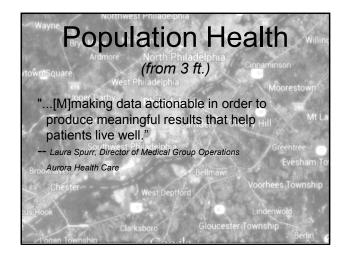


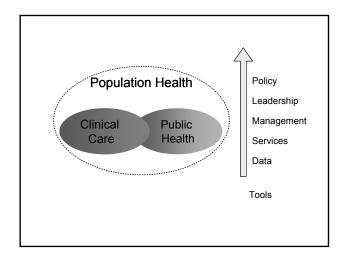


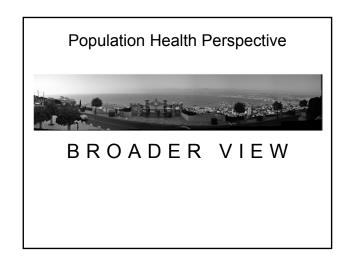


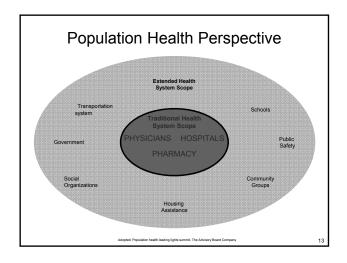


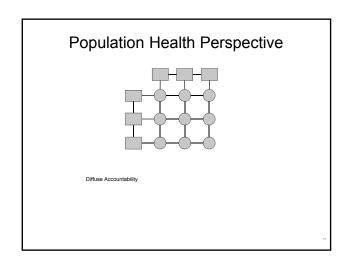


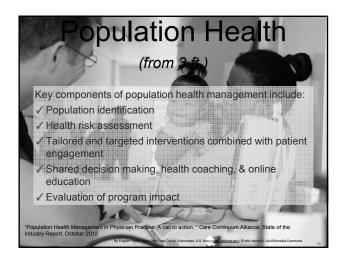


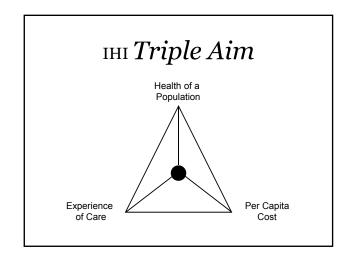


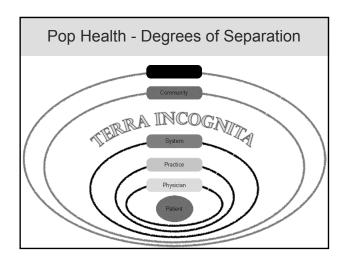






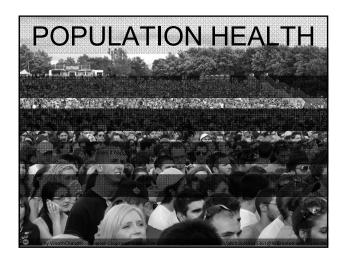




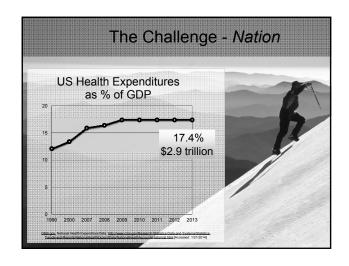


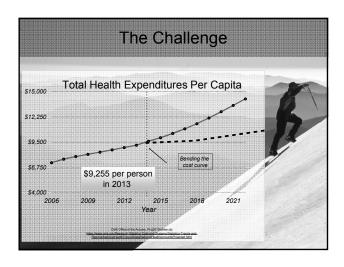
	Conventional Healthcare	Population Health
Purpose	Curing disease	Preventing disease Keeping people healthy & well
Values	Diagnosis, treatment & cure Physician's expertise Unlimited access to healthcare* *if you can afford it	Prevention of disease Emphasis on wellness Timely & high-quality cost-effective care Agency and self-efficacy Medical home
Methods	Diagnosis & treatment Fee-for-service	Personalized wellness plans Community engagement & prevention Global payments Shared health information

Population Health Paradigm			
Constraints	Conventional Healthcare Cost Continuity of care Lack of access Administrative burdens Limited patient contact	Population Health Implementation cost Politics Culture	
Opportunities	Greater autonomy	Cost effectiveness Evidence-based & personalized medicine Increase quality & reduction of errors	
Assumptions	System "rescue" patients. Doctor center of authority	Patient is responsible for health & wellness Doctor center of care team	

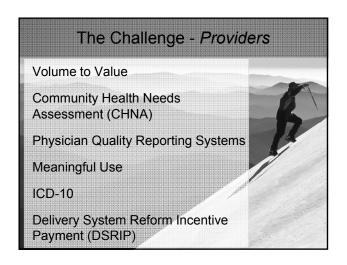


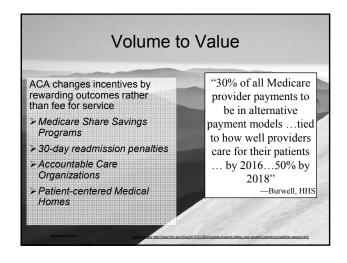


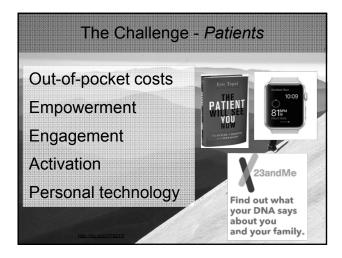


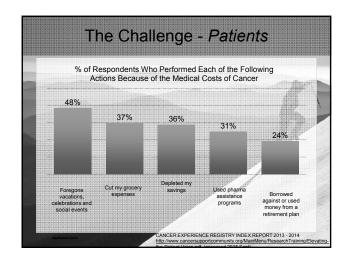












The Rx Challenge

- ~600,000 Americans have annual Rx costs > \$50,000

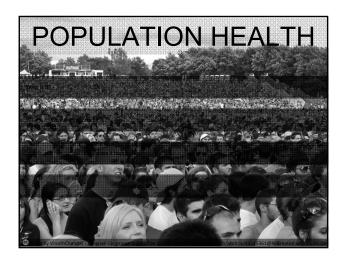
- The number of U.S. patients taking at least \$100,000 worth of prescription drugs tripled in 2014

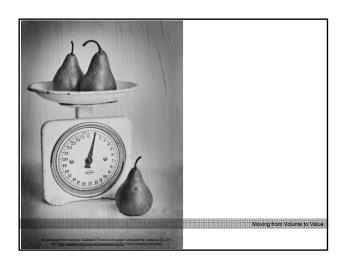
- Majority of these patients take at least 10 medications, from at least 4 different prescribers

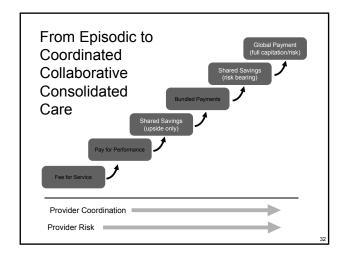
- Comorbidities, Polypharmacy complicate Care

- Costs driven by Hepatitis C, Cancer and Compounded Treatments

The Express Scripts 2014 Drug Trend Report http://liab.espress-scripts.com/-/media/12a8463de9234f5bbcc3f8a91ec46bb1.ashx. (Accessed 2015 Sept).









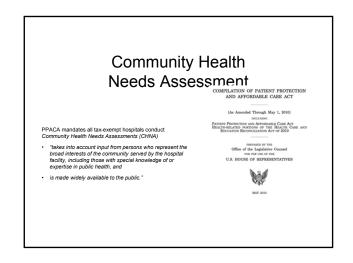


INNOVATION PROFILE

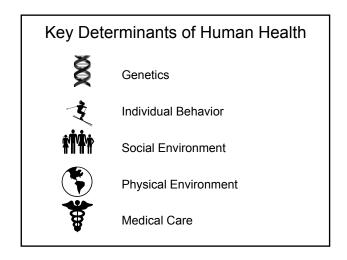
HealthPartners Adopts Community
Business Model To Deepen Focus
On Nonclinical Factors Of Health
Outcomes

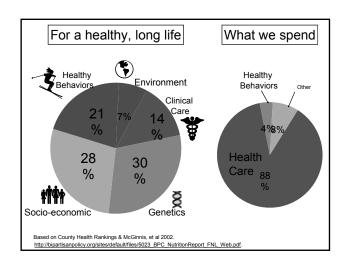
ABSTRACT Clinical care contributes only 20 percent to everall health
outcomes

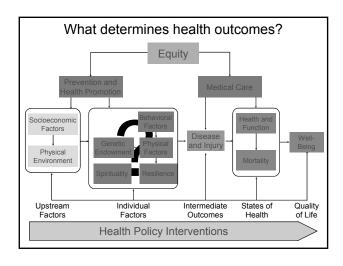
ABSTRACT Clinical care contributes only 20 percent to everall health
outcomes, according to a population health model developed at the
University of Wisconsin. Factors contributing to the remainder include
lifestyle behaviors, the physical environment, and social and economic
forces—all generally considered outside the realm of care. In 2010
Minnesota-based HealthPartners decided to target nonclinical community
health factors as formal part of its stretagic business plan to improve
partnerships with businesses and institutions that are generally
unaccustomed to working together or considering bow their actions
could help improve community health. This article describes efforts to
promote healthy exits in schools, reduce the stigma of mental tillness,
improve end-of-life decision making, and strengthen an inner-city
neighborhood. Athough still in their early stages, the partnerships can
strain a stream of the stream of

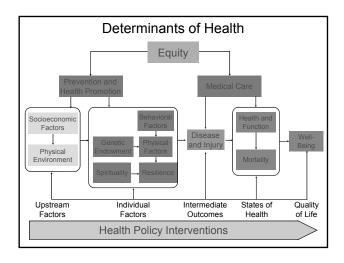


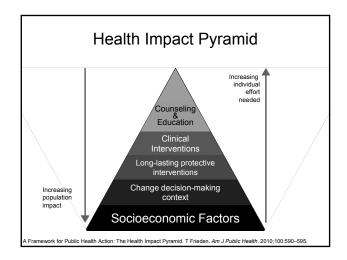


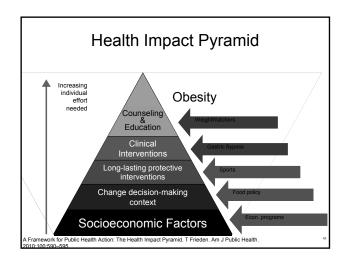


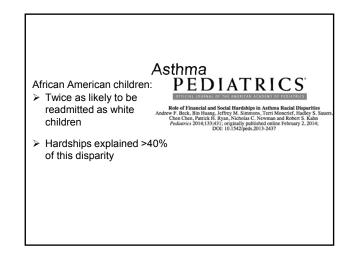












CONSEQUENCES OF DIABETES

By Hary K. Seligran, Ann F. Bulger. Devid Garran, Andrea López, and Kissen Bibbino Omingo

Exhaustion Of Food Budgets

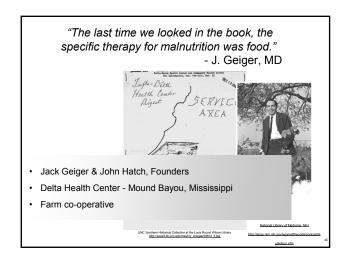
At Month's End And Hospital

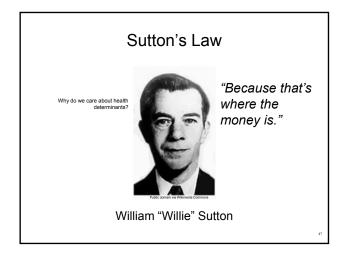
Admissions For Hypoglycemia

For low-income:

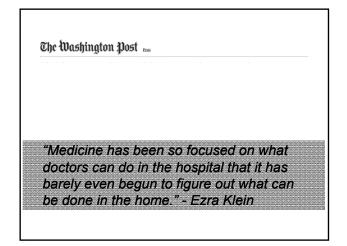
Hypoglycemia admissions increased

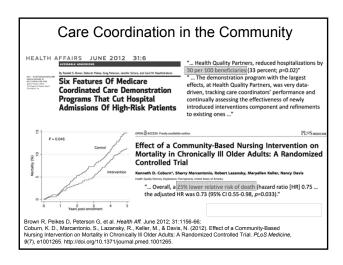
27% from the first to last week of the month.











**Accountable Care* Helping Hospitals Keep Medical Closs Down - NYTimes corn

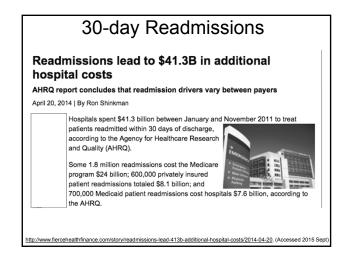
Che Xetu Hork Eimes

April 22, 2013

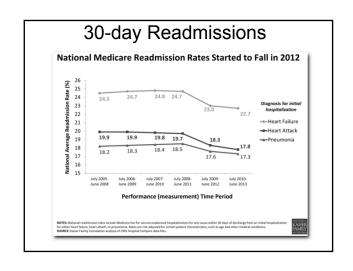
A Health Provider Strives to Keep
Hospital Beds Empty

By ANNIE LOWREY

**... on the phone with patients
with heart ailments, asking them
not to shovel snow.**



30-day Readmissions Safety Net Hospitals Hit Hardest by Medicare Fines February 28, 2015 By Brands Cartastell http://centerforhealthreporting.org/article/safety-net-hospitals-hit-hardest-medicare-fines



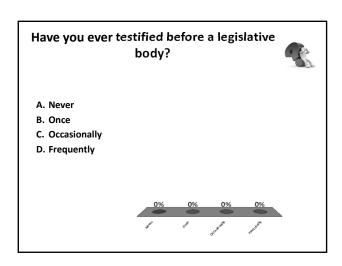
Effect of a Pharmacist Intervention on Clinically Important Medication Errors after Hospital Discharge: A Randomized Controlled Trial

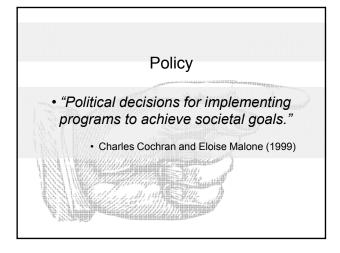
Sunil Kripalani, MD, MSc^{1,2}, Christianne L. Roumie, MD, MPH^{2,3,4}, Anuj K. Dalal, MD^{5,6,7}, Courtney Cawthon, MPH², Alexandra Businger, BA⁵, Svetlana K. Eden, MSc⁸, Ayumi Shintani, PhD, MPH⁸, Kelly Cunningham Sponsler, MD¹, L. Jeff Harris, MD⁴, Cacella Theobald, MD⁴, Robert L. Huang, MD, MPH⁴, Danielle Scheurer, MD, MSc⁹, Susan Hunt, MD¹⁰, Terry A. Jacobson, MD¹¹, Kimberly J. Rask, MD, PhD^{11,12}, Viola Vaccarino, MD, PhD¹
Pharmacist Intervention for Low Literacy in

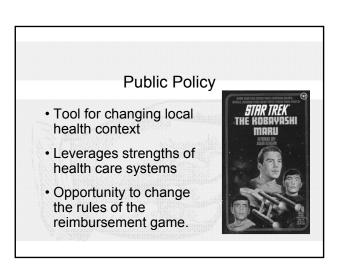
Cardiovascular Disease (PILLCVD)..."A health literacy-sensitive pharmacist intervention that included post-discharge telephone follow-up did not improve medication safety overall."

Targeting transitions: Pharmacists critical to reducing readmissions July 01, 2013 Pharmacists can take the lead in reducing hospital readmissions Reducing avoidable rehospitalizations is on the radar of every hospital and health system in the country. Under the Affordable Care Act, Medicare has begun to financially penalize hospitals on 30-day readmission rates for certain conditions such as acute myocardial infarction, heart failure, and pneumonia. The idea is to encourage hospitals to reduce readmissions, which correlates to an increase in the quality of care. This new chapter in health care provides many opportunities for pharmacists to take the lead in readmission reduction programs both within the hospital and during transitions. Access, Courseling, Healthy Patient at Honey program cut the health "Now is system's readmissions for patients with heart failure within 30 days of discharge by 50%. FAPIA, FACHE, Vice President of Corporate Support Services at Commonwealth Health Corporation in Bowling Green, KY, during a session at the 2013 APIA Annual Meeting & Exposition in Los Angeles. Comprehensive medication reviews, patient and caregiver education, medication therapy management, and pre- and postdischarge counseling by pharmacists can reduce readmissions rates for patients, she noted.



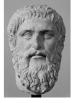






Why get involved?

One of the penalties for refusing to participate in politics is that you end up being governed by your inferiors.



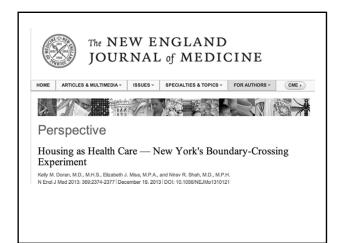
-Plato

Research report

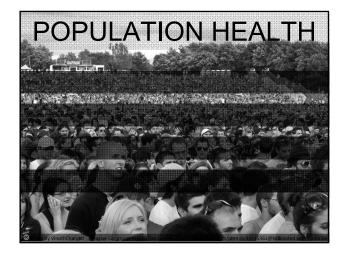
The association between recreational parks, facilities and childhood obesity: a cross-sectional study of the 2007 National Survey of Children's Health

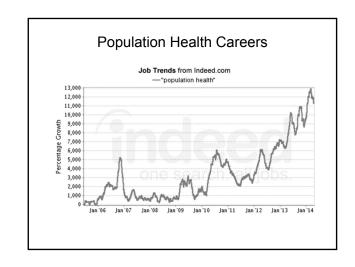
Dayna S Alexander^{1,2}, Larissa R Brunner Huber¹, Crystal R Piper¹, Amanda E Tanner³

"Children with access to parks and facilities had decreased prevalence of obesity as compared to children without access."



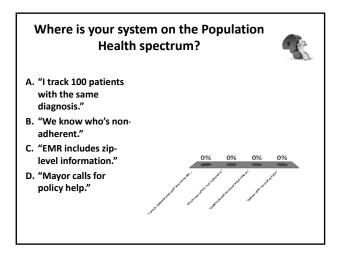






Role of Pharmacists

- Moving from individual pharmacotherapy to population level impact
- · Pharmacists are an underutilized resource
- Examples
- > Population-based care
- ➤ Disease Prevention and Medication Safety.
- ➤ Health education
- Collaboration & coalition building with community agencies & non-traditional partners



The Road Ahead Population Health Response to significant challenges in health system Great opportunity to improve health outcomes Drives down demand for care Well-suited for value-based reimbursement models Early adopters will likely dominate