Financial Disclosure

Neither I nor my wife have a personal or professional financial relationship or interest in any proprietary entity producing healthcare goods or services.
The Traditional Doctor
Today’s Doctor
Today’s Doctor

I wish patients could see my smile
Pediatrician = Protector of A Child’s Future

BUILDING CHILDREN’S FUTURES
Recent Advances in Medical & Social Science
Toxic Stress in Early Childhood

3. Toxic Stress Derails Healthy Development
The Achievement Gap

Parents with more income and education vs. poorer and less-educated peers

Talk more to their children
Are more emotionally engaged
Ask children more questions
Use less harsh and punitive discipline strategies
Use more varied vocabulary
Low-Income Students Fall 2.5 to 3 Years Behind by Fifth Grade

Childhood Poverty

1 in 5 children lives in poverty
Childhood Poverty

- Child poverty increases the risk of unemployment and adult poverty.
- By age 4, poor children have heard 30 million fewer words than well-off children.
- Poor children are more likely to be hungry and less likely to have affordable quality health coverage.
- Poor children are less likely to graduate from high school.
Poverty Linked to Genetic Changes

- Epigenetics – The study of changes in organisms caused by the modification of gene expression.
New Direction: Population Health
Social Determinants of Health

- **Physical Environment**: Environmental quality, Built environment
- **Socio-Economic Factors**: Education, Employment, Income, Family/social support, Community safety
- **Health Care**: Access to care, Quality of care
- **Health Behaviors**: Tobacco use, Diet & exercise, Alcohol use, Unsafe sex

Source: Authors’ analysis and adaption from the University of Wisconsin Population Health Institute’s County Health Rankings model ©2010, http://www.countyhealthrankings.org/about-project/background
The Triple Aim of Health Care

The IHI Triple Aim

Population Health

Experience of Care

Per Capita Cost

Population Health
Population Health

“The health outcomes of a group of individuals, including the distribution of such outcomes within a group.” (Kindig and Stoddart 2003)

“The health of a population as measured by health status indicators and as influenced by social, economic, and physical environments, personal health practices, individual capacity and coping skills, human biology, early childhood development, and health services.” (Dunn and Hayes 1999)

“Conceptual framework for thinking about why some populations are healthier than others.” (Young 2005)
Population Health

- Clinical Medicine
- Population Health Sciences
- Public Health
Pediatricians Fighting Poverty
Pediatricians to begin screening kids for poverty

Doctors group hopes to reduce the health effects of being poor

By Erin Blakemore

March 9 at 5:22 AM CT

Pediatricians just declared war on child poverty.
SIU SOM Population Health Efforts
Children and Families Population Health & Policy Program

- Forming A Talented Multi-Disciplinary Team
- Professional and Community Engagement
- Research, Scholarship, and Innovation
- Policy Formation and Advocacy
- Education
- Brand and Image

Children and Families Population Health & Policy Program
Pediatricians = Protectors of Children’s Futures
Questions?

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