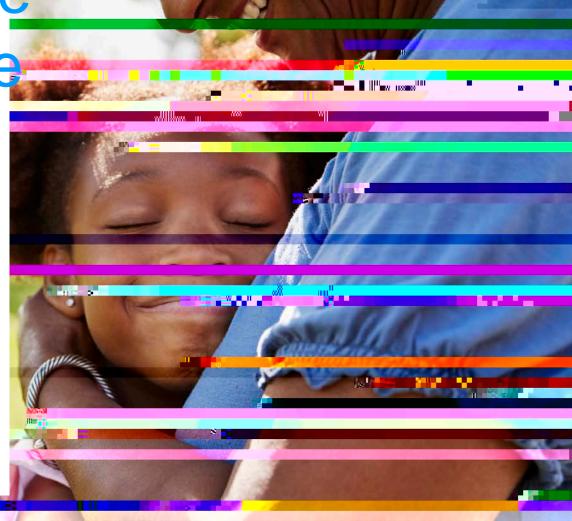
Nurturing A Culture of ValueBased Care







My Goals as CEO of Nemours

- 1. Raise awareness of the POWER of investing in children's health
- 2. Transform the way America pays for children's health
- 3. Fundamentally change and expand ourcountry's definition of health in children

Nemours Children's Health System

By the Ny	isontion

A leading multi-state, multi-site children's health system

Commitment to all aspects of children's health Enduring legacy of Alfred I. duPont Academic pediatric system content of the tripartite mission of clinical care, research and education One premise: Investing in children's health is the single most powerful means to insure a healthy generation of Americans and a robust economy.

One action: We must transform our definition of Wespend \$3.5 trillion annua \$3.5 df America's G on healthcare.

Almost every penny goes toward paying for the of what we want – HEALTH

Instead of health we pay for volume and complex

We are getting actly what we are paying for.

Paying for Volume and Complexity Rather Than Health

	United States	OECD Average
MRI exams	97.7per 1,000 population	46.3per 1,000 population
CT scanners	40.7per million population	n 22.6per million population
CT exams	265. Q er 100,000 populatio	n 123.8 per 1,000 population
Tonsillectomy	254.4 per 100,000 populatio	n 130.1 per 100,000 population
Coronary bypass	79.0 per 100,000 populatio	on 47.3per 100,000 population
Knee replacements	226. Q er 100,000 populatio	n 121.6 per 100,000 population

Although the United States spends more on health care than of developed countries, its health outcomes are generally not any

What comprises health?

Degree of Influence in Shaping the Health of Populations

The Social Determinants of Health Why they matter -

The conditions in which people are born, grow, live, work and age.

Shaped by the distribution of money, power and resources at global, national and local levels.

Responsible for most health disparities.

The Social Determinants of Health Why they matter ESPECIALLY to Children

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Lack of Education Links Directly to High Risk of Death

Deaths in 1 000s				
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Homicide				
	19 martin and 19 million and 19 million and		n.	

The Most Powerful Intervention to Promote Health: STAY IN SCHOOL

Quality Adjusted Life Veers by Dick

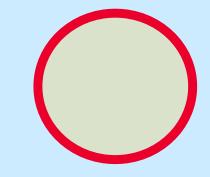


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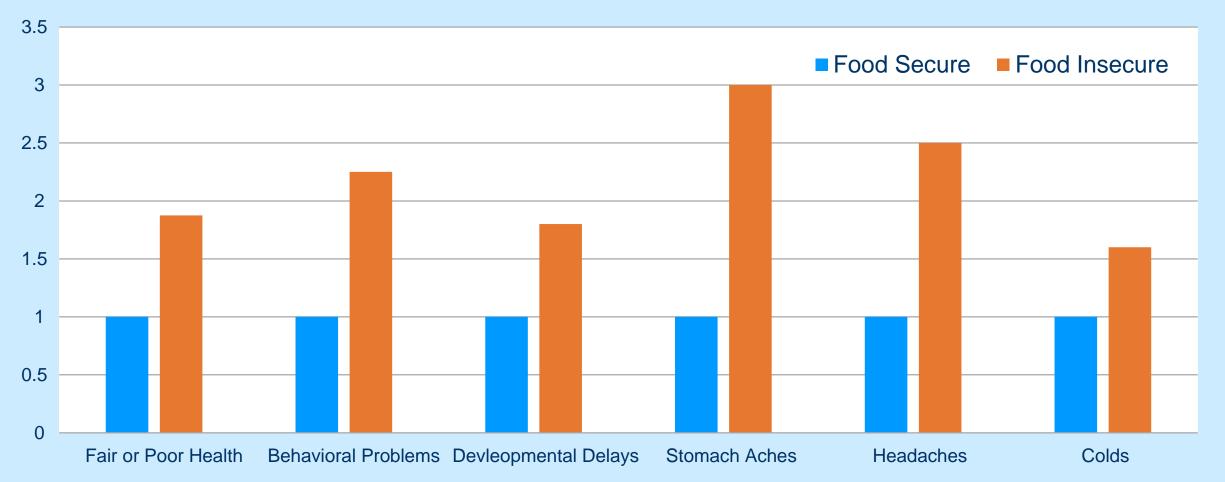
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Impact of Food Insecurity on Health Outcomes

Food Insecure Young Children Face Increased Chances of Various Health Risks

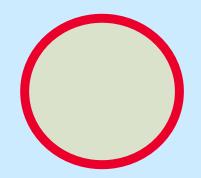


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Housing Status Directly Impacts Child Health Housing status is an independent variable that correlates with health indices in kids: homeless v. low income

- ED utilization in 1 year: 38% v. 19% Hospitalization for acute disease in 1 year: 11%v. 5%
- Children in fair or poor health: 12% v. 6%
- Acute illness symptoms in one month 50% v. 35%

Insurance coverage (Medicaid) 99% v. 99%

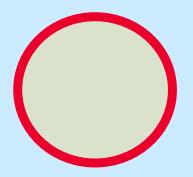
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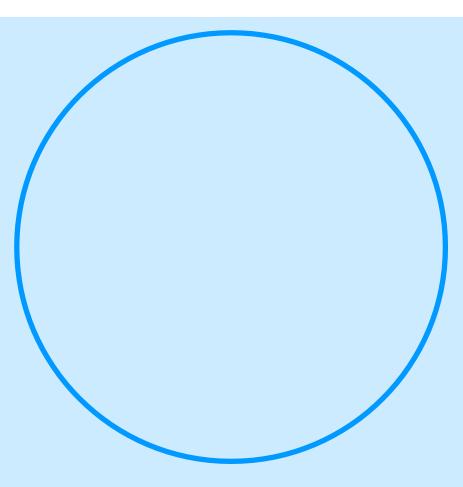
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Your ZIP CODE shouldn't predict how long you I BUT IT DOES.



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Adverse Childhood Experiences (ACE) Study

Center for DiseaSentrol and Kaiser Permanente Collabora

Tenyear

ACE Study Findings

Impact of ACEs Over the Lifespan Neurological, biological, psychological and social

Changes in brain neurobiology;

Social, emotional & cognitive impairment;

Adoption of risk Nalois-4.1 (i()0.7 (s)-3 8.4.e. v.7 (al)0.8 (o)-4.3 (en0.7

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Does investing in SDOH work? Rigorous, randomized, peer-reviewed, and Nobel Prize

winning work say

Abecedarian Preschool Project (RCT) Campbell et al Science 343:2014

WIC Program reduces infant mortality Khananet al Am J Pub Health 2015

MEND Program for obesity (RCT) Sacher et al Obesity 2010

Lower systolic blood pressure v. control (126 v. 143mmHg)

Less likely to be stage one hypertensive or pre hypertensive

0% exhibited metabolic syndrome v. 25% of a controls

Higher lev>>BDC e 0 T.-0.001 T.2 0.41 (or)0.7f3mk2C 02kely to be sta3

Behavioral Outcom S Years Later All Changes Statistically Significant at Age 35

More likely to engage in regular physical exercise

Less likely to smoke at early age

More likely to eat nutritious food at age 21

Less likely to be overweight in childhood

Less likely to start drinking alcohol before age 17

Economic Outcomes Years Later

Increased high school graduation rate

Less likely to be convicted of a crime or incarcerated

Higher median annual income compared to controls

13% return on investment per annum

Two generation effect

Nemours CMMI Asthma Award Value Based Care in a Fee-for-Service World

Primary aim to improve health of children with asthma rather than to treat medical complications of asthma

Understand and treat all aspects of asthma Keep kids outside of the medical care system when possible

Award Parameters:

3-year award beginning July 1, 2012 \$3.7 million

Patient Based Results (Internal Data) Community Based Result

Changes to drug formular – meteed dose inhaler. 11,805 children impacted.

SmokeFree Wilmington Ordinance19,224 children impacted

Reducing school bus idlin in Wilmington14,029 children impacted. Lessons Learned from "Pay for Health" in a "Pay for Sickness" W

These interventions work. When we invest in health we get health. Not a single new drug or innovative medical intervention The acuity level and complexity of care markedly decreased

Partnerships-communities, social service agencies, government, school

These efforts will only the set an able when financial incentives are aligned Investing in SDOH isoatto the health system within ancial return The better the investment works the greater the cost

N hours Value-Based Services Organization





Ill health and poor nutrition have a forster impact ... causing harm Children are the human capital of the next generation that is impossible or very Impact on adult outcomes is evident as early as difficult to reverse. In a Massively reduce morbidity and costs in adulthoworld where cognitive Poor workforce health costs \$530 billion annually Employers pay \$880 billion in healthcare costs annual Households with poor child health have 20% lower incomes and have \$6000 less disposable income

Readiness with payers requires data quality and integrated workflow Ensure payers have the most current list of employed/contracted/affiliated provid AND clinic locations including provider NPI, not just the payer ID

Partnering with Payers

Mutual glide path development to accept financial risk between Nemours select payers

- Recognition of spend related to SDoH
- Pediatric quality measures

Recently selected to participateAdvtaecing Health Equity: Leading Care, Payment, and Systems TransformTattiee.way partnership with a AmeriHea Caritas Delaware, DMMA and Nemours.

Designed to determine effective ways to align and leverage payment improvement activities to improve health equity.

There's No Code For This.

