

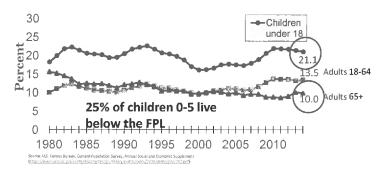
DISCLOSURE STATEMENT

Benard P. Dreyer, MD, FAAP

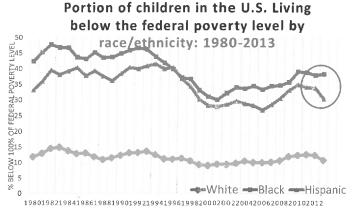
Has documented that he has nothing to disclose.



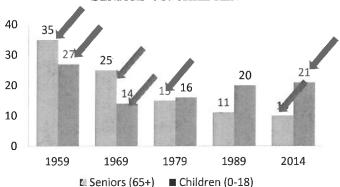
U.S. POVERTY TRENDS BY AGE GROUP 1980-2014



American Academy of Pediatrics Source: U.S. Census Bureau, Income and Powerty in the United Reports



% POVERTY OVER TIME: 1959-2014 SENIORS VS. CHILDREN



Sachs JD. The Price of Civilization. 2011, Random House, American Academy of Pediatrics NY. Chapter 10, pp. 185-208

US FEDERAL POVERTY LEVEL DEVELOPED IN 1963-64

Mollie Orshansky Social Security Administration

100% FPL for Family of 2 adults, 2 children: \$23,850



Based on "economy food plan"

Cheapest of 4 food plans developed by the Dept of Agriculture

"designed for temporary or emergency use when funds are low"

American Academy of Pediatrics



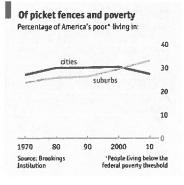
HOUSEHOLD BUDGETS CHANGE AS FAMILIES GROW 43% of children are below 200% FPL

One parent working full time at NY minimum wage

in 2019 (\$15/hr): \$30,000

Block et al. Struggling to Get By: The Real Cost Measure in California 2015 American Academy of Pediatrics

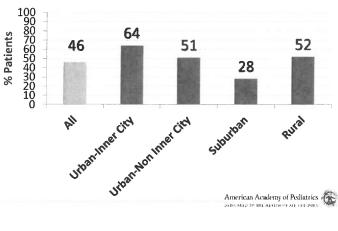
POVERTY IS EVERYWHERE



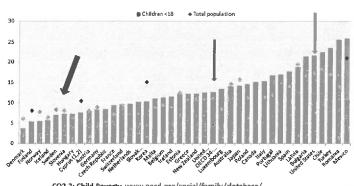
Suburbs fasting growing area for poverty



POVERTY IS EVERYWHERE

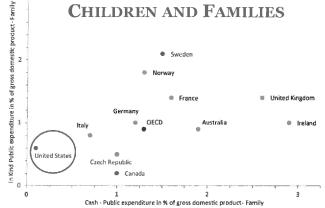


COMPARISON OF U.S. TO OTHER OECD COUNTRIES Organisation for Economic Co-operation and Development



CO2.2; Child Poverty, www.oecd.org/social/family/database/ American Academy of Pediatrics

SIZE OF PUBLIC SPENDING ON CHILDREN AND FAMILIES



American Academy of Pediatrics

THE UK'S WAR ON CHILDHOOD POVERTY

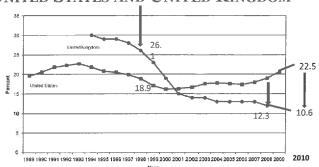
- In March 1999, Prime Minister Tony Blair declared war on childhood poverty:
 - "Our historic aim will be for ours to be the first generation to end child poverty."
- Gordon Brown, then Chancellor and later Prime minister, set a further target of cutting child poverty by half in 10 years.
- Over the next decade Blair & Brown committed considerable resources to attaining this goal:
 - "One Percent for the Kids": An additional 1% of GDP invested in children and families to decrease childhood poverty



UK'S WAR ON CHILDHOOD POVERTY: WHAT DID THEY DO?

- 1. Parental leave and work rules (9 months maternity leavel)
- 2. Universal preschool for three and four year olds
- 3. Preschool for disadvantaged 2-year olds
- 4. Available high quality child care
- F. Hango viciting and other convince for accreat proce
- Expanded universal child benefits and tax credits not based on working which is much greater for low income families
- 2. Tax credits and benefits all paid regularly throughout the year to mother
- 3. More benefits for younger children

ABSOLUTE CHILD POVERTY RATES: UNITED STATES AND UNITED KINGDOM



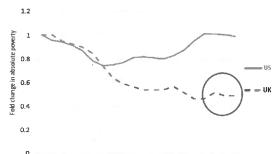
---United States: Percent all persons under 18 years below official US Poverty Line, 1989-2009 (about 35 percent of median income in 2000)

--United Kingdom: Parcent of U.K. children below the absolute poverty threathold. 1989-2008 (about 60 percent of median income in 1998-99)



TRENDS IN ABSOLUTE POVERTY IN US & UK AFTER CONSERVATIVE GOVT

COMPARISON TO 1994 LEVELS



American Academy of Pediatrics American American Academy of Pediatrics American Ameri



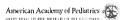
CANADA CHILD BENEFIT
JUNE 15, 2016

- Slash child poverty by 40%
- Rate drops from 11% to 7%
- Almost universal: 90% of people will get some money
- · Not tied to work
- Families with children under
 6 will receive up to \$6400
- Families with children 6-17 will receive up to \$5400
- Families making <\$30,000 receive maximum benefit
- Phases out after \$200,000
- Paid monthly

POVERTY AFFECTS CHILD HEALTH

Poverty is one of the most significant non-communicable diseases children are suffering from today





CONSEQUENCES OF POVERTY: CHILD HEALTH

- Increased infant mortality
- Low birthweight and subsequent problems
- Chronic diseases such as asthma
- More food insecurity, poorer nutrition & growth
- Poorer access to quality health care and healthy food (transportation, food deserts)
- Increased accidental injury and mortality
- Increased obesity and its complications
- Increased exposure to toxins (i.e., lead) and pollutants

Moore KA et al. Children in poverty: trends, consequences, and policy options. 2009. Child Trends

American Academy of Pediatrics



CONSEQUENCES OF POVERTY: WELL-BEING

- More toxic stress impacting EBCD
- Poorer educational outcomes:
 - poor academic achievement
 - higher rates of HS dropout
- Less positive social and emotional development
- More problem behaviors leading to "TAEs"
 - Early unprotected sex with increased teen pregnancy
 - Drug and alcohol abuse
 - Increased criminal behavior as adolescents and adults
- More likely to be poor adults
 - Low productivity and low earnings
- Especially if deep poverty (<50% FPL), long-term poverty, or poverty in early childhood

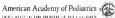
Moore KA et al. Children in poverty: trends, consequences, and policy options. 2009. Child Trends Research Brief

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DOUBLE HIT OF PHYSICAL AND SOCIOEMOTIONAL STRESSORS 70 60 Percent Exposed 50 40 32 30 20 10 Density Noise Housing Prob Family Family Sep Violence Turmoil 3 or more stressors: Stressor Domains

Poor:

54% Middle Income: 16% Middle Income



Evans & English: Child Development 2002, Rural white sample

WHY EARLY EXPERIENCES MATTER



Newborn Brain Average weight 333 grams



2 Year Old's Brain Average weight 999 grams

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DRAMATIC GROWTH OF NEURONAL ARCHITECTURE FROM BIRTH TO 2 YRS

THE MARKET 700 new synapses created each second in the early years!!





1 month

6 month



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- Among children from lower income families, small differences in income were associated with relatively larger differences
- These relationships were most prominent in regions supporting language, executive functions and spatial skills.

in brain surface area.

Income relates to brain structure most strongly among the most disadvantaged

Association of Child Poverty, Brain Development, and Academic Achievement

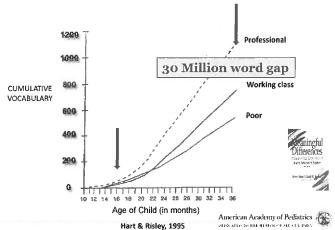
Editorial in JAMA Pediatrics:

The findings of the Hair et al study showed that poor cognitive and academic performance among children living in poverty was mediated by a smaller hippocampus and frontal and temporal lobes and that the decrease in volume of the latter 2 structures explained as much as 15% to 20% of the achievement deficits found.

Brain Development with complete sociodemographic and neuroimaging data. Data collection began in November 2001 and ended in August 2007, Participants were screened for a variety of factors suspected to adversely affect brain development, recruited at 6 data collection. altesacross the United States, assessed at baseline, and followed up at 24-month menorals for a total of 3 periods. Each study center used community-based sampling to reflect regional and overall US demographics of none, nace, and ethicacy based on the US Department of Housing and Urban Development definitions of large income One-quarter of stringte households concreted the total family income believe 2004s of the federal review to American Academy of Pediatrics sites across, the United States, assessed at baseline, and followed up at 24-month intervals for

Hair et al. JAMA Pediatrics published online July 20, 2015

DISPARITIES BEGIN VERY EARLY



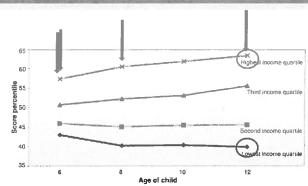
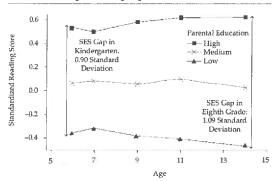


Fig. 1. Average percentile rank on Peabody Individual Achievement Test—Math score by age and income quartile. Income quartiles are computed from average family income between the ages of 6 and 10. Adapted from (3) with permission from MIT Press.

Carneiro P, Heckman JJ. In *Inequality in America: What Role for Human Capital Policies?* Heckman jj, Krueger AB, MIT Press 2003, chapter 2, pp 77-237.

American Academy of Pediatrics

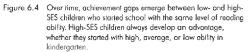
Figure 6.1 Average reading scores of children from different SES groups and the gaps between them—change relatively little between kindergorten and eighth grade.

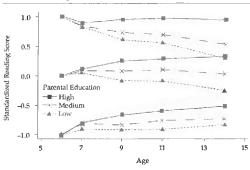


Source: Authors' calculations using the ECLS-K.

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Too Many Children Left Behind. Bradbury, Corak, Waldfogel, Washbrook. 2015



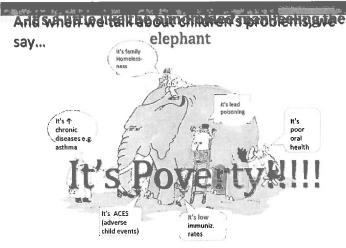


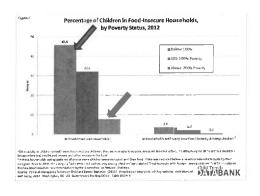
Source: Authors' calculations using the ECLS-K.

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Too Many Children Left Behind. Bradbury, Corak, Waldfogel, Washbrook. 2015







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HEALTH DISPARITIES IN ASTHMA:

DIRECTLY RELATED TO POVERTY LEVELS AND ASSOCIATED NEIGHBORHOOD FACTORS (POLLUTION, BAD HOUSING, LACK OF PHARMACIES)



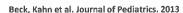
Hamilton County neighborhood

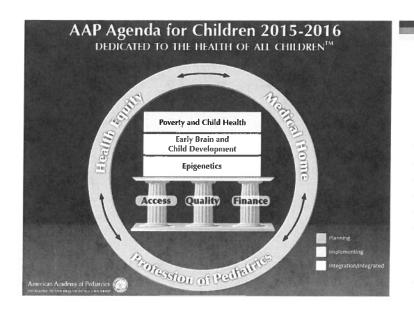
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ECONOMIC CASE FOR ENDING CHILDHOOD POVERTY

- Reduces productivity and economic output by about 1.3% of GDP
- Raises the costs of crime by 1.3% of GDP
- Raises health expenditures and reduces the value of health by 1.2% of GDP
- Total cost of childhood poverty is 3.8% of GDP or \$500 billion per year
- Context: Estimated Federal Deficit 2015 is
 2.6% of GDP

Holzer HJ, Schanzenbach DW, Duncan GJ, Ludwig J. The Economic Costs of Poverty in the United States: Subsequent Effects of Children Growing Up Poor. 2007





POVERTY AND CHILD HEALTH LEADERSHIP WORKGROUP

Andrew Racine, MD, PhD, FAAP Carole Allen, MD, FAAP Steve Federico, MD, FAAP Andrew Garner, MD, FAAP Benjamin Gitterman, MD, FAAP Renée Jenkins, MD, FAAP Katie Plax, MD, FAAP Barbara Ricks, MD, FAAP Sarah Jane Schwarzenberg, MD, FAAP Elizabeth Van Dyne, MD, FAAP

Benard Dreyer, MD, FAAP



PRIORITY AREAS OF POVERTY WORK

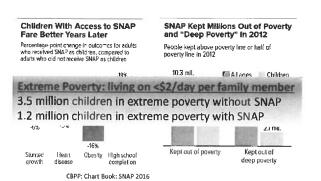
- Messaging and Communications
- Supporting Practices to Address Poverty
- Advocacy
- Community Partnership and Engagement



MESSAGING AND COMMUNICATIONS

- Key Messages
 - Poverty is Damaging to Children's Health
 - Poverty Happens Everywhere
 - Fortunately, we have realistic solutions that we know will work
 - Federal policies work! Without them 1 in 3 children would be poor as opposed to 1 in 5
 - There are also important Federal and state programs that ameliorate the impact of poverty





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SUPPLEMENTAL POVERTY MEASURE: GOVERNMENT PROGRAMS WORK

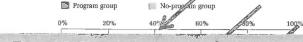
- Using these measures in 2013 reduced % at 100% FPL from 21% to 16.5%
- Major portion of effect due to:

*	EITC	-6.4%
*	SNAP(food stamps)	-2.9%
	Housing Subsidy	-1.4%
	School Lunch	-1.1%
	WIC	-0.4%
	Energy Assistance	-0.1%
	TANF	-0.5%
	Work/Child Care Expenses	+3.1%
	Medical OOP Expenses	+3.5%
	Taxes and FICA	+2.0%

With Medicaid (-1%) -14%

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HIGH/SCOPE PERRY PRESCHOOL PROGRAM: MAJOR FINDINGS AT 40



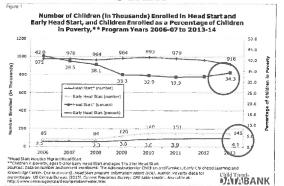
- 7 to 10% per year rate of return
 - · Higher than post-World War II stock market (5.8% -- before the 2008 meltdown)
- 7 to 12X Benefit/Cost Ratio



Heckman et al: Rate of return for High/Scope Perry Preschool Program. 2009

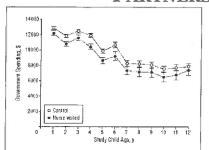
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HEAD START AND EARLY HEAD START





HOME VISITING: NURSE FAMILY PARTNERSHIP



- Better language age 4
- Higher reading and math scores age 12
- \$5.70 saved for
 each dollar of

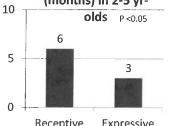
MIECHV reaches only 2.5% of poor children under 3 years: 75,000 of 3 million



INTERVENTIONS IN PEDIATRIC PRIMARY CARE

Reach Out and Read

Advance in Language
(months) in 2-5 yr
olds P < 0.05



Receptive Expressive

Mendelsohn, Mogilner, Dreyer,
Forman et al. *Pediatrics*.
2001;107:130-134.

ROR Reaches 4 million finding children per year:

% of all poor children!
interactions, vocalizations

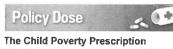
- Improved child cognitive, language, and socialemotional development
- Reduced delay, with <u>50%</u> reduction in need for El

Mendelsohn, Dreyer et al. J Dev Behav Pediatr 2005;26(1):34-41 and 2007; 28(3): 206-212. American Academy of Pediatrics



Pediatricians Should 'Screen' Kids for Poverty, Says Group



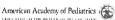




The Washington Post

Doctors should screen for poverty during childwellness visits, American Academy of Pediatrics recommends





SUPPORTING PEDIATRICIANS TO ADDRESS POVERTY

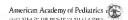
- New AAP Report and Policy Statement
 - Mediators and Adverse Effects of Child Poverty in the United States
 - Child Poverty in the United States
- Screening and Referral Resources
- Advocacy Resources



POVERTY TECHNICAL REPORT

Details impacts on child health and development Describes poverty demographics in the U.S. Addresses child poverty as a source of toxic stress





POVERTY POLICY STATEMENT

Recommendations for pediatricians to screen for basic needs and make referrals

Recommends that pediatricians adopt integrated programs in medical home*

Supports advocacy for antipoverty programs, income supports, and tax credits

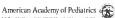


*Healthy Steps, ROR, VIP, Health Leads, MLP, Incredible Yrs, Triple P



RECOMMENDATIONS FOR PEDIATRICIANS

- Screen for risk factors within social determinants of health during patient visits
 - Questions about basic needs such as food, housing, heat, child care, making ends meet
 - Refer to community resources
 - We know SNAP, EITC, etc. improve child health and academic success
- Implement integrated medical home programs such as:
 - Reach Out and Read
 - Video Interaction Project
 - Healthy Steps
 - Incredible Years and Triple P (behavioral management)
- Collaborate with community organizations to help families address unmet needs and assist with stressors



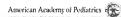
PRACTICE RESOURCES

Suggests screening tools to identify basic needs Provides template for practices to identify community resources Recommends practice tips for implementation



RECOMMENDATIONS FOR ADVOCACY

- Invest in young children
- Support/expand essential benefits programs
- Support/expand strategies that promote employment and increase parental income
- Improve communities: affordable housing
- Support integrated models in the medical home that promote parenting and school readiness
- Fully fund home visiting



FEDERAL ADVOCACY

Successes in 2015

- CHIP funding through 2017
- Expiring provisions of the EITC and CTC made permanent
- Omnibus spending deal that increased austere budget caps

Successes 2016

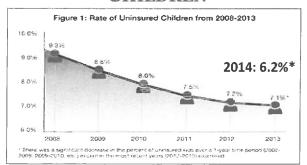
- FDA (Federal Drug Administration) regulates e-cigarette products
- Congresses passes bill for safety-packaging for liquid nicotine

Opportunities and Challenges in 2016

- Federal Nutrition Programs including school meals, WIC, summer feeding, and SNAP
- Appropriations: Funding for child care, head start and early head start, home visiting, TANF
- Speaker Paul Ryan's Task Force on Poverty, Opportunity and Upward Mobility: Block grants (Medicaid and SNAP)



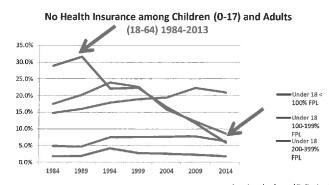
LOWEST RATE OF UNINSURED CHILDREN



*2013-2014 percent of uninsured significantly decreased

Amer.

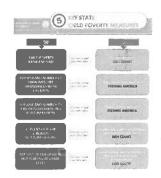
AMAZING PROGRESS FOR POOR CHILDREN





STATE ADVOCACY RESOURCES

- · Child Poverty Partners
- State Child Poverty Commissions
- Information on State Income Supports and Tax Credits, Paid Leave, Minimum Wage
- Anti-poverty Programs aap.org/poverty





Poverty and Child Health

State Advocacy Resources

Assaul Agartins

Boliging Prevention

Critic Health and State EPA Clean Power Plan Implementation

Onic Passenge Salety

Distracted Driving

Electronic Nicobne Delivery Systems

Essentia: Health Benefits

Health Insurance Marketplaces

Eliquid Nicotine Poisoning

Maryuana Legalization Medicald Expansion

Medicard Payment Increase

Medical Eurolity Reform Medical Manjuana

Newborn Screening for Profess Congoods

Foverty and Critid Health is a pricint, on the AAP Agenda for Children 2015-2016. The AAP Division of State Government Affairs provides resources to support AAP chapters and members advocating on behalf of children and families living in

5 Key State Child Poverty Measures (State child poverty data

2016 State Actions | Minimum Wage

2016 State Actions | Paid Leave

2016 State Actions I State Child Care and Dependent Care Tax Credits

2016 State Actions | State Child Poverty Commissions, Councils, and Task Forces

2016 Stale Actions | State Earned Income Tay Credits

State Child Feverty Commissions, Councils, and Task Forces J.A. compliation of information about state level commissions, councils, or task forces working to address poverty

Child Poverty State Advocacy Partners | Partnerships, altiances, and a paintions

Child Floverty. State Advocacy Inflagraphic | An atta-glance resource to help you canvey key state advacacy data about child poverty.

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\$15 MINIMUM WAGE PASSES IN NY AND CALIFORNIA

New York Budget Deal With Higher Minimum Wage Is Reached



. California is first state to approve \$15 minimum wage MAXI-MIZ





New York Just Created a Revolutionary New Family-Leave Policy

NY PASSES PAID FAMILY LEAVE

· 12 weeks of job-protected leave

 Can be used for maternity/paternity leave even for foster children; also sick children, sick family members

• 2/3 of wages up to 2/3 of statewide average wage

• 8 weeks start in 2018

• Fully phased in by 2021

COMMUNITY PARTNERSHIP AND **ENGAGEMENT**

- · Working with other sectors and developing new partnerships
- Developing local collaboration models and tools
- · Community?: local, county, city

PAID FAMILY LEAVE EFFORT

ORGANIZED BY THE COMMUNITY SERVICES SOCIETY OF NY

Organizations:

American Academ The American Congree It takes a village.

1199 SEIU United He' It's a Marathon, not a sprint York, NY

Gay Men's Health Crisis

Maternal Infant Services Ketwork, Newburgh, NY

Mid-Hudson Lactation Consortium

Mothers' Milk Bank Northeast National Association of Social Workers, NYC Chapter

New York City Breastfeeding Leadership Council Public Health Association of New York City

Raising Women's Voices

American Academy of Pediatrics



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POVERTY od Security Access to Health Care Community Education

#FACEPoverty 521 people with over 2 million impressions 8/10 top tweeters were **SOMSRFT** (May 6, 2016)

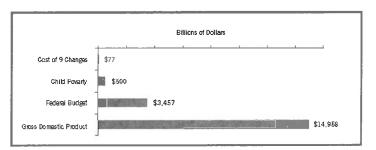
KNOW THE FACTS! ADDITIONAL RESOURCE



- Executive Summary
- 5 commentaries
- 18 articles
 - Child Poverty: An Attack on our Nation's Human Capital
 - Who is Poor: The Definition and Measurement of Poverty
 - International Child Poverty Levels and Interventions
 - Child Poverty Interventions in US



WE CAN AFFORD THESE CHANGES



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NAS STUDY FUNDED AT \$750,000

A Big Win for Children in the Omnibus: A National Academy of Sciences Study on Child Poverty

In the Child Poverty

Week of general the coal shakes approach as the Cale Asia; person the Calego, a revision solvette feet of the coal shakes approach as the Calego, a revision solvette feet of the coal shakes approach as of the coal shakes approach as are feature shakes and approach as a feature shakes and approach as a feature shakes and approach as a feature shakes and approach as the feature shakes and

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CHILD POVERTY REDUCTION ACT OF 2015

- Establishes in the ACF of DHHS the Federal Interagency Working Group on Reducing Child Poverty.
- The Working Group as its primary goal shall develop a national plan to reduce:
 - within 10 years the number of children living in poverty in the United States to half the number in 2013;
 - within the same 10 years the number of children living in extreme poverty in the United States to zero; and
 - within 20 years the number of children living in poverty, extreme or otherwise, in the United States to zero.

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"It is easier to build strong children than to repair broken men."

> Frederick Douglass American Abolitionist 1818-1895



THANK YOU!

