

TAX CREDITS FOR WORKING FAMILIES: POWERFUL TOOLS TO IMPROVE HEALTH





ROLLINS SCHOOL OF PUBLIC HEALTH

Budget and tax policy What they mean for well-being and equity

Georgia Budget and Policy Institute August 28, 2018

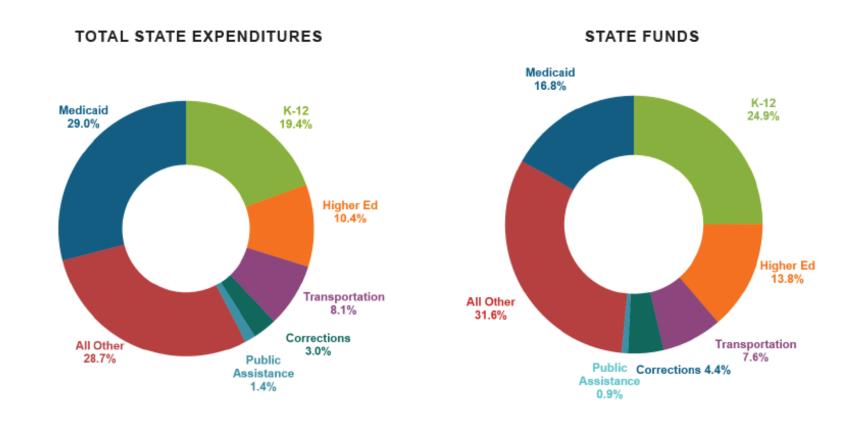


RWJF mission: Building a Culture of Health in the U.S. where everyone has a fair and just opportunity to be healthy





More than half of state spending goes to education and health care

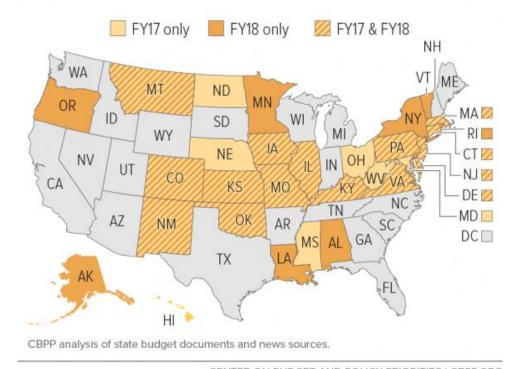


Total state expenditures are all federal and state funds. State funds are general funds and other state funds combined, excluding bonds.



Even with an improved national economy, states are under numerous fiscal pressures

30 States Addressed Revenue Shortfalls in Fiscal Years 2017 and 2018



CENTER ON BUDGET AND POLICY PRIORITIES | CBPP.ORG

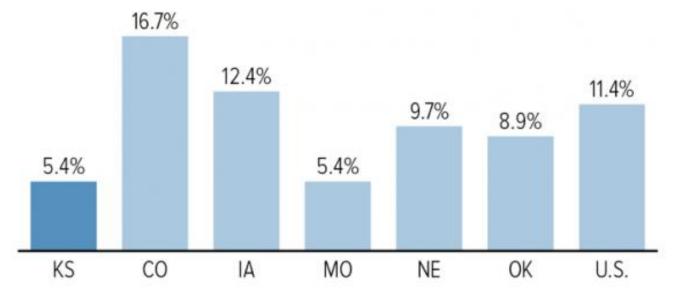
- All states, except Vermont, must balance their budgets
- 16 states require supermajority for tax increases
- Federal tax bill
 - 29 states minimal revenue gains, no change, or losses
 - Possible federal spending cuts
- 11 states have enacted large tax cuts since 2011



State tax cuts don't generally lead to sustained economic growth

Economic Growth: Kansas Lagged All Its Neighbors and U.S. After Cutting Taxes

Growth in inflation-adjusted private-sector gross domestic product

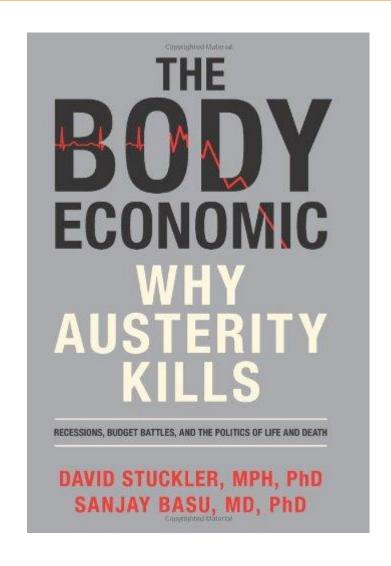


Note: Data cover fourth quarter 2012 (the quarter before the Kansas tax cuts took effect) to second quarter 2017 (the quarter in which the tax cuts were scaled back).

Source: Bureau of Economic Analysis, 2017



Large spending cuts during recessions may be bad for our health



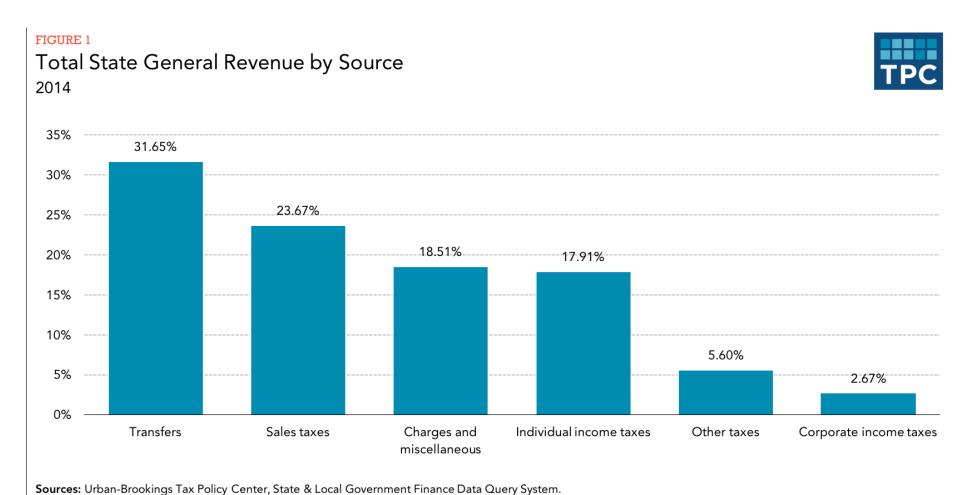


Evidence is emerging on spending and health outcomes

- McCullough et al, AJPM 2017: Counties spending more on public welfare and sanitation (and community health care and public health) were more likely to be associated with being an "over-performing" county in County Health Rankings
- Chetty et al, JAMA 2016: Communities with greater local government expenditures
 had less income-related inequality in life expectancy
- Bradley et, Health Affairs 2016: States with higher ratios of social-to-health spending had improved health outcomes
- Rigby et al, Health Affairs 2016: States with higher tax credits for poor residents had better health outcomes than those without

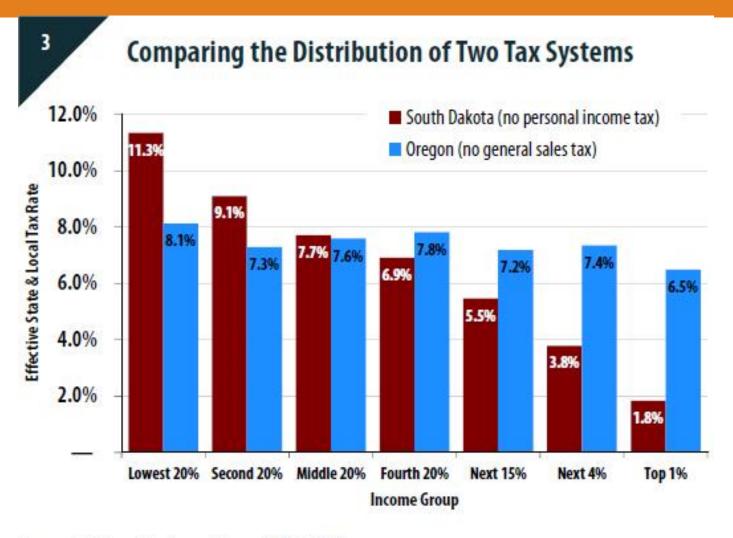


Sales and income taxes are major sources of nonfederal revenue





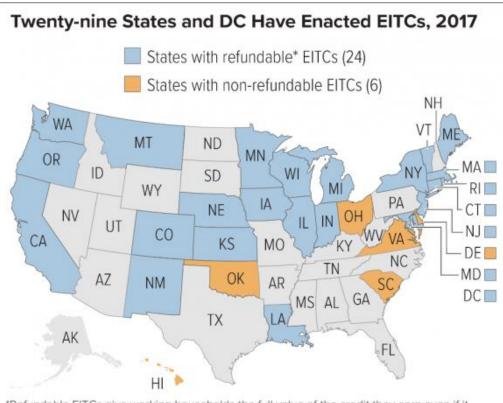
States depending less on income taxes (and more on sales taxes) have more regressive tax systems





Source: Institute on Taxation and Economic Policy (ITEP)

An Earned Income Tax Credit (EITC) is progressive



*Refundable EITCs give working households the full value of the credit they earn even if it exceeds their income tax liability.

Source: CBPP analysis

- 24 states with refundable EITC
 - State credits are 5% to 85% of federal credit
- Average annual federal credit is \$2,500
 - Median income of recipients is \$14,118
 - 27.5 million families and individuals
- Improves economic and health outcomes



Investing in the fiscal health/population health nexus

Center on Budget and Policy Priorities, State Priorities Partnership, and Georgia Budget Policy Institute

- Improved understanding of how state budget and tax decisions affect
- State policymakers giving greater consideration to these health impacts
- Preservation or expansion of state investments in effective public programs
- Fair and sustainable tax systems that create health co-benefits.
- Intensive work in 10 states: CA, GA, KY, MA, NC, NJ, NM, OH, TX, WA



Role of health funders in fiscal (and social) policy

Provide data to inform decision-making

CityHealthDashboard.org

Explore the effects of social policies on health

PoliciesforAction.org

Conduct analyses on policy reform proposals

Urban.org/features/safety-net-solid-ground

Support multi-sector community development/health strategies

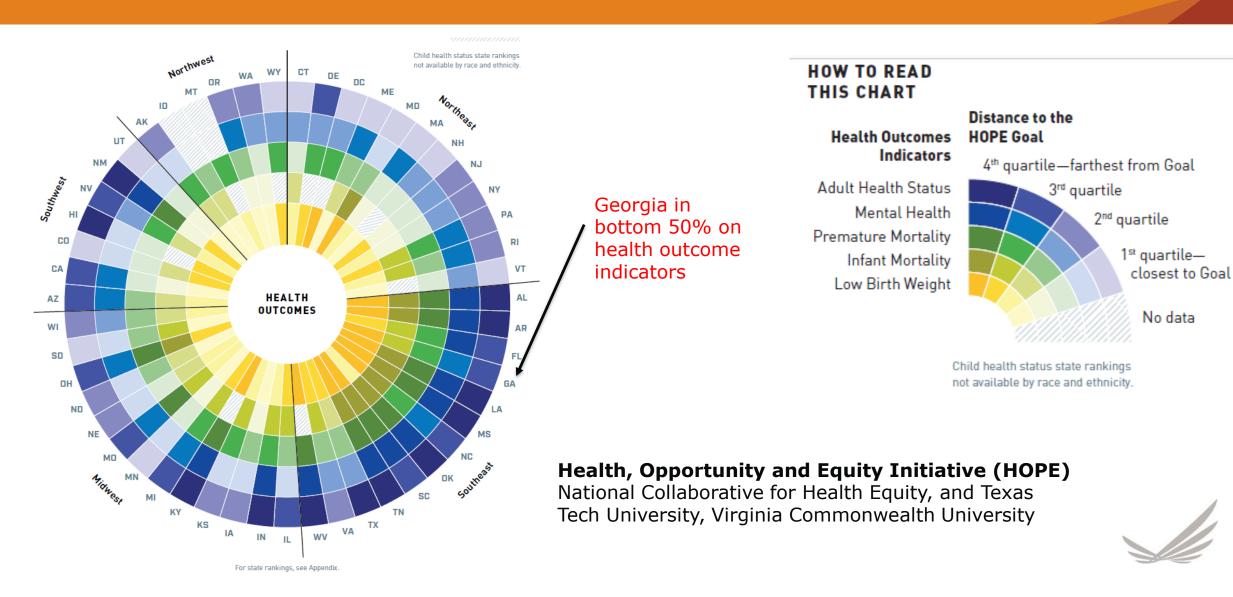
SparccATL.org

Support non-lobbying advocacy on key policy issues

American Cancer Society Medicaid initiative



Place matters to well-being and opportunity – states

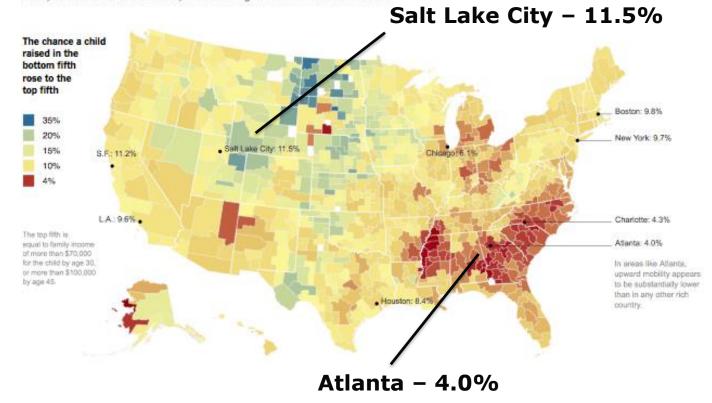


No data

Place matters – cities and neighborhoods

In Climbing Income Ladder, Location Matters

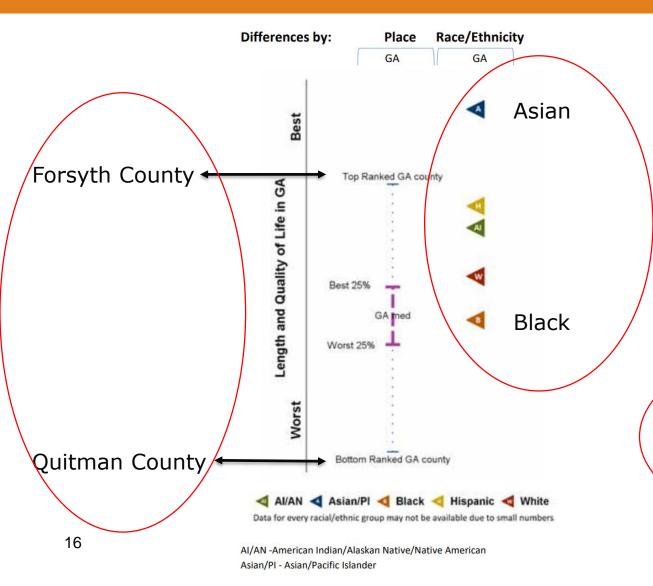
A study finds the odds of rising to another income level are notably low in certain cities, like Atlanta and Charlotte, and much higher in New York and Boston.



Source: NY Times analysis of Chetty et al, *National Bureau* of Economic Research, June 2014



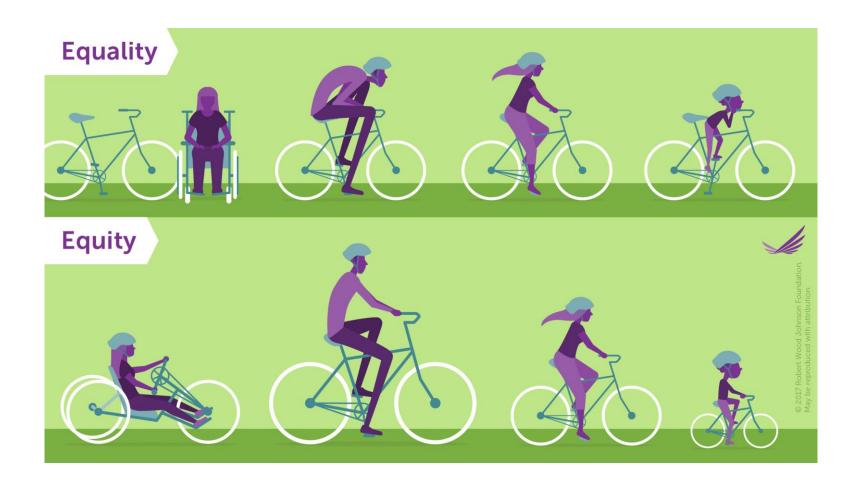
Race also matters to well-being and opportunity



Forysth County

Social & Economic Factors	
High school graduation	94%
Some college	79%
Unemployment	4.2%
Children in poverty	<u>7%</u>
% Children in Poverty	7%
% Children in Poverty (Black)	16%
% Children in Poverty (Hispanic)	28%
% Children in Poverty (White)	4%

Equity is essential





Equity can be achieved

Principles

- Policy is critical
- Everyone benefits
- Gaps must close

Strategies

- Build power
- Promote fairer tax systems
- Invest early
- Target resources
- Foster integration





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ROLLINS SCHOOL OF PUBLIC HEALTH

Georgia Work Credit:

A Tool to Improve Health and Promote Equity

August 28, 2018





EARNED INCOME TAX CREDIT (EITC)

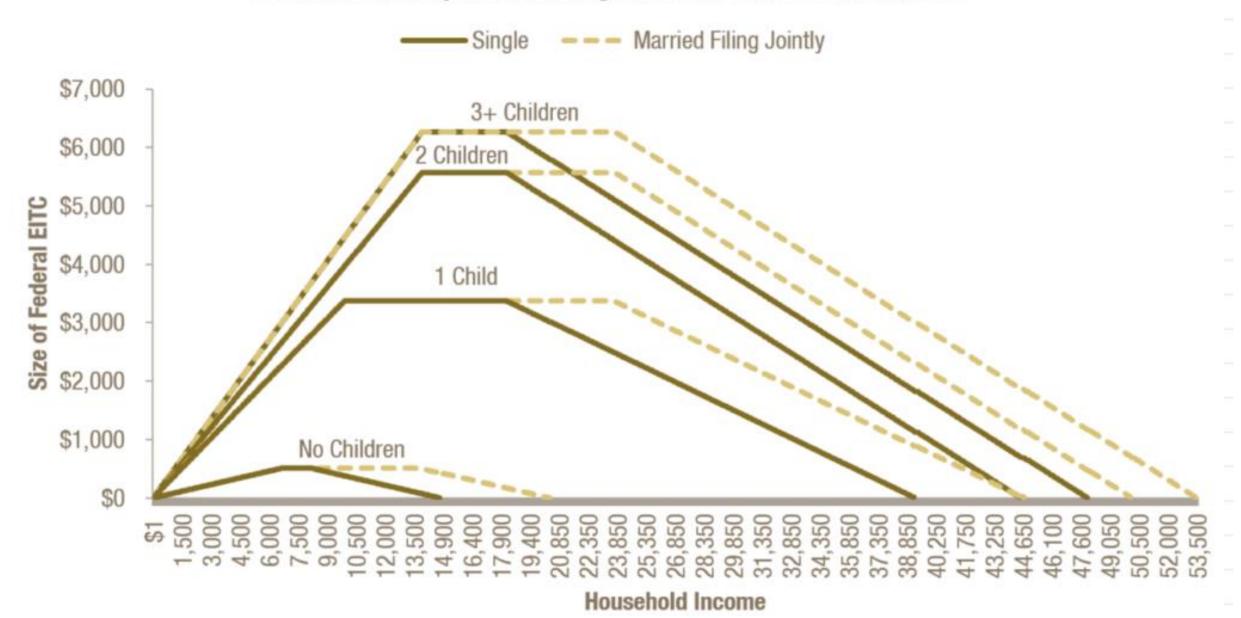
- Federal tax credit for families with low and moderate wages
- 1 million Georgia households claimed the federal EITC in 2015 –
 2.6 million individuals, including 1.2 million children

• Lifts about a quarter-million Georgians out of poverty each year

 Helps working Georgians afford the basics and work their way into the middle class

EITC's Unique Structure Rewards, Encourages Work

Federal EITC value by income, marriage status and number of children, 2016



GEORGIA WORK CREDIT



29 states and D.C. have their own EITCs - providing a limited credit against state and local taxes

Georgia Work Credit would provide a bottom-up tax cut, saving families up to

\$630 a year

\$303 Million

could go into the state economy from a Georgia Work Credit

JANE, SINGLE MOTHER OF ONE



Jane is a single mother of one in Macon who works fulltime as a cashier, making minimum wage.

Earns \$14,500 annually before taxes

Owes about \$154 a year in Georgia state income taxes

A refundable Georgia Work Credit at 10 percent of the federal credit comes out to \$337 for Jane, delivering her an **estimated** state refund of \$183.

HOW CAN THE GEORGIA WORK CREDIT SUPPORT HEALTH?

HEALTH BENEFITS DOCUMENTED BY EXTENSIVE RESEARCH

Maternal Health

Infant and Child Health

Mental Health



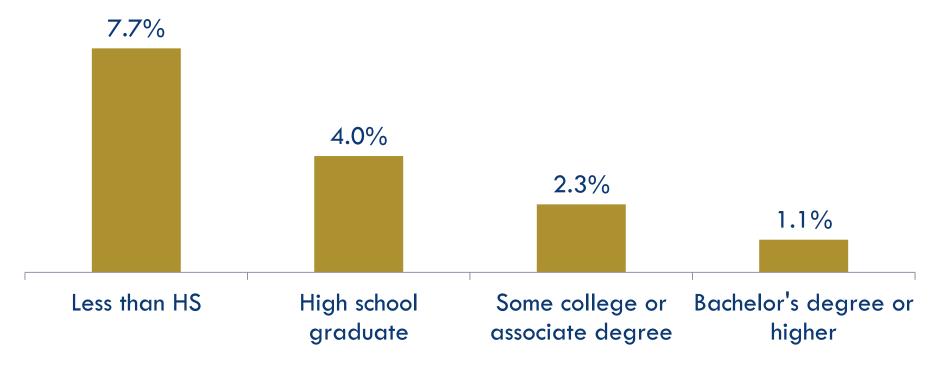
MATERNAL HEALTH

HIGHER EITCS CAN HELP MORE MOTHERS RECEIVE PRENATAL CARE



Georgia Mothers with Less Education Are Less Likely to Receive Prenatal Care

% of Georgia Births in Which Mother Reports Receiving No Prenatal Care, 2016



Source: CDC Behavioral Risk Factor Surveillance System, 2016.

EITC EXPANSION AND OVERALL HEALTH STATUS

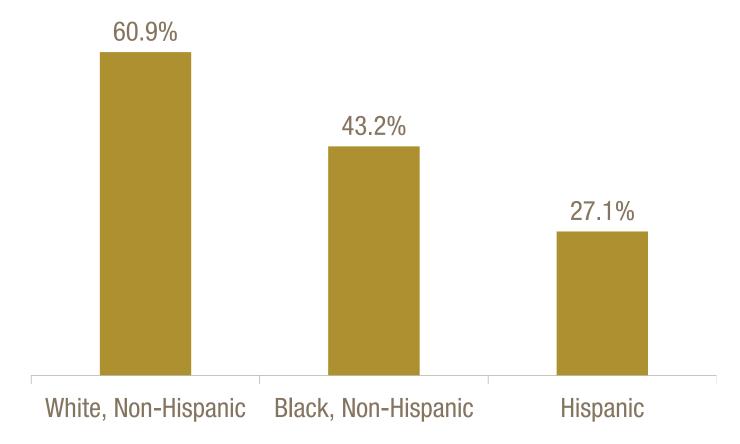


Following EITC expansion, mothers with two or more children receiving higher EITC payments increased likelihood of reporting "excellent" or "very good" health by:

1.35 percentage points

BLACK & HISPANIC GEORGIA MOTHERS LESS LIKELY TO REPORT EXCELLENT OR VERY GOOD HEALTH

% of Georgia women with 2 or more children reporting either "excellent" or "very good" health, 2016



Source: CDC Behavioral Risk Factor Surveillance System, 2016.

INFANT AND CHILD HEALTH

STATE EITC ASSOCIATED WITH IMPROVEMENTS IN BIRTHWEIGHT

Georgia ranks:

5th highest in share of newborns with low birthweights

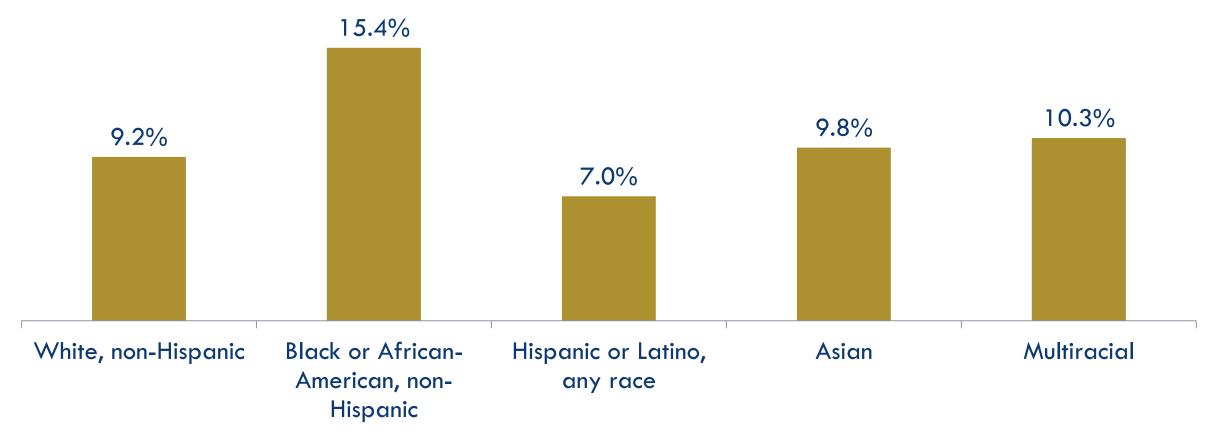
5th highest in rates of infant mortality

A refundable EITC set at 10 percent of the federal credit is estimated to reduce low birthweight in Georgia by 8.4 percent.

1,047 fewer low birthweight babies each year

LOW BIRTHWEIGHT MUCH HIGHER AMONG BIRTHS TO BLACK MOTHERS

% of low birthweight babies born to mothers with high school education or less, 2017



Source: Georgia Department of Public Health OASIS, 2017.

EITC CAN RESULT IN GREATER IMPROVEMENTS FOR BLACK MOTHERS

For every \$1,000 increase in the EITC:

5.6%

decline in low birthweight among ALL mothers

7.2%

decline in low birthweight among BLACK mothers

STATE EITCS AND CHILD HEALTH

Mother-reported health

A \$100 increase in value of state EITC associated with:

- 1.2 percentage point decline in mother reporting child to be in fair or poor health status
- 3.4 percentage point increase in mother reporting child to be in excellent health

Baughman RA and Duchovny N. "State earned income tax credits and the production of child health: insurance coverage, utilization, and health status."

National Tax Journal. 2016; 61 (1), 103-132.

Childhood obesity

After the adoption of a state EITC, children in non-metropolitan areas experienced larger reductions in obesity.

Obesity rate in *non-metropolitan* areas of Georgia: **31%**

Obesity rate in *metropolitan* areas of Georgia: **28.8%**

Reagan A. Baughman. "The Effects of State EITC Expansion on Children's Health." (2012). The Carsey School of Public Policy at the Scholars' Repository. 168.

MENTAL HEALTH

GEORGIANS WITH LOWER WAGES REPORT MORE POOR MENTAL HEALTH DAYS

Mean # of days in the past 30 days adults reported their mental health was not good, 2016



Source: America's Health Rankings, 2016.

INCREASE IN EITC REDUCED POOR MENTAL HEALTH DAYS

\$500 increase in EITC payments reduced the number of poor mental health days by

19 percent

for low-income mothers with two or more children.



ECONOMIC IMPACT OF POOR MENTAL HEALTH DAYS

One poor mental health day is associated with:

2.3% reduction in percapita income growth

in poorer (more rural) counties

0.87% reduction in percapita income growth

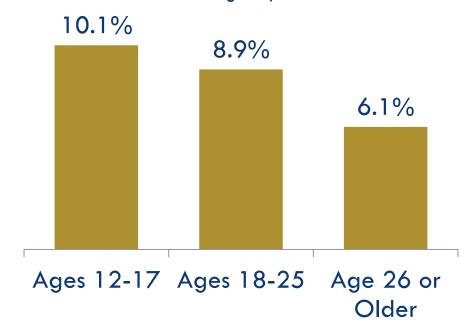
in wealthier (more urban) counties

EITC ASSOCIATED WITH IMPROVEMENTS IN CHILDREN'S BEHAVIORAL HEALTH

Larger EITC payments are associated with higher scores for children on a behavioral index that includes measures such as *peer conflict*, hyperactivity, anxiousness and depression.

Younger Georgians More Likely to Have a Major Depressive Episode in the Past Year

Mean # of days in the past 30 days adults reported their mental health was not good, 2016



Rita Hamad and David H. Rehkopf. "Poverty and Child Development: A Longitudinal Study of the Impact of the Earned Income Tax Credit." American Journal of Epidemiology. 2016. 183 (9):775-84.

Source: National Survey on Drug Use and Health, 2014-2016

GEORGIA WORK CREDIT: A TOOL TO BOOST INCOME AND HEALTH

A WIN-WIN POLICY

- 29 states and D.C. have a state EITC
- Improve economic security AND promote health equity and improved well-being for families
- Provide economic benefits to Georgia through money injected into local economies AND savings from health improvements

Nearly

2 in 3

Georgians support a Georgia Work Credit, according to a July 2018 poll



FOR MORE INFORMATION & TO STAY INVOLVED, VISIT: WWW.GBPI.ORG AND GEORGIAWORKCREDIT.ORG





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Georgia Budget & Policy Institute www.gbpi.org @gabudget



TAX CREDITS FOR WORKING FAMILIES: POWERFUL TOOLS TO IMPROVE HEALTH





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Effects of EITC on Birth Outcomes: Research Findings

KA Komro, PhD, S Markowitz, PhD, MD Livingston, PhD, & AC Wagenaar, PhD Emory University Rollins School of Public Health & Dept of Economics S Burris, JD, Temple University Beasley School of Law





Understanding How Law Affects Health Scientific Contributions from Multiple Disciplines

- Law
- Social & Behavioral Sciences
- Epidemiology
- Economics
- Statistics

PUBLIC HEALTH LAW Theory and Methods RESEARCH



Alexander C. Wagenaar and Scott Burris • Editors

- Framing
- Theories
- Legal Coding
- Research Designs
- Design Elements
- Cost Analysis

Chapter 3. Understanding how law influences environments and behavior: Perspectives from public health. Komro, O'Mara & Wagenaar.

Chapter 14. Natural experiments: Research design elements for optimal causal inference without randomization. Wagenaar & Komro.

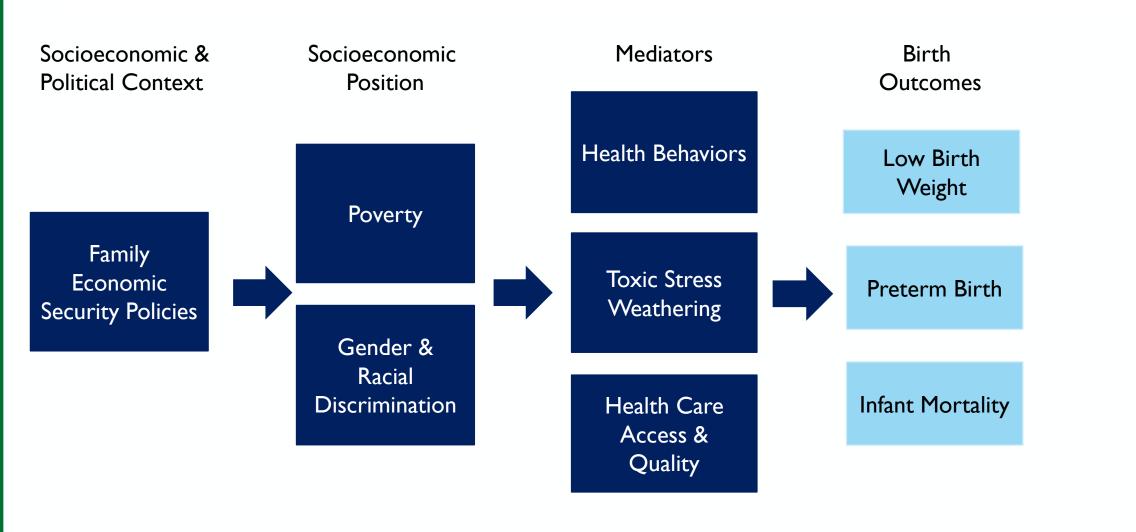
http://publichealthlawresearch.org/theory-methods

Family Economic Security Policy: Effects on Infant and Child Health Disparities

- 1. Minimum Wage Laws
- 2. Earned Income Tax Credit (EITC)
- 3. Unemployment Insurance
- 4. Temporary Assistance for Needy Families (TANF)

R01 funded by the National Institute on Minority Health and Health Disparities, 2015-2019
Initial policy surveillance and pilot studies funded by the Robert Wood Johnson Foundation
Public Health Law Research program, 2012-2015

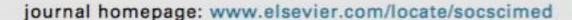
Social Determinants of Birth Outcomes Conceptual Framework





Contents lists available at ScienceDirect

Social Science & Medicine





Effects of state-level Earned Income Tax Credit laws in the U.S. on maternal health behaviors and infant health outcomes



Sara Markowitz^a, Kelli A. Komro^{b,*}, Melvin D. Livingston^c, Otto Lenhart^d, Alexander C. Wagenaar^b

Contribution

- Strong quasi-experimental and longitudinal design
 - state-level EITCs
 - multiple policy changes over 20 years
- 2. Presence and generosity of state EITCs
 - infant health outcomes
 - possible mechanisms via maternal health behaviors

State EITC

- In 1994, 5 states had an EITC → In 2013, 26 states had an EITC
- State-specific EITC ranges from 3.5% to 40% of the federal amount, varies by number of children and refundability

EITC summary measure

States with no EITC

States with an EITC,
nonrefundable payments,
and payments
less than 10% of the
federal amount

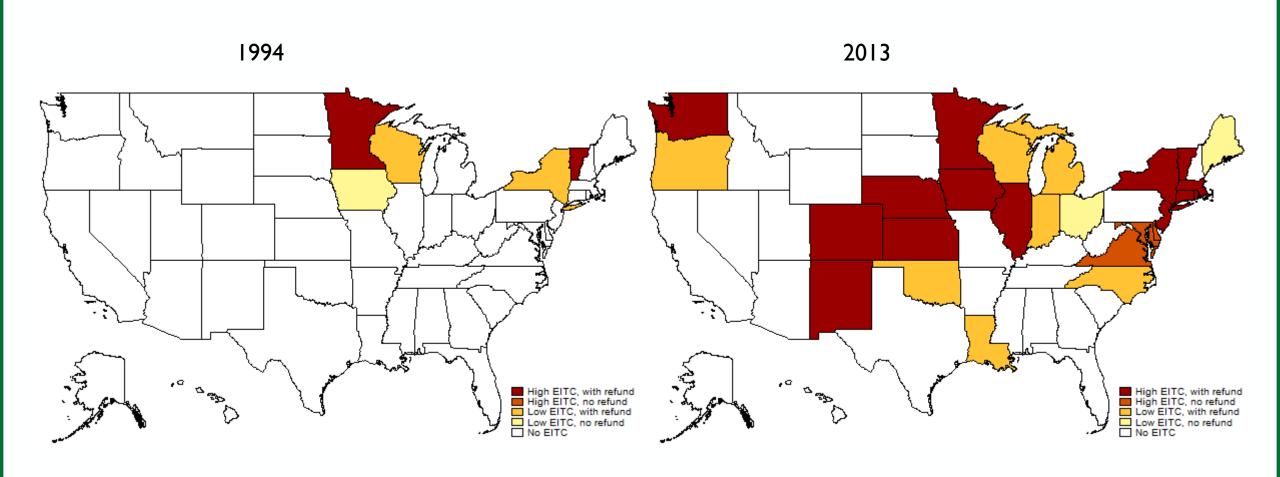
States with an EITC, refundable payments, and payments
less than 10% of the federal amount

States with an EITC,
nonrefundable payments,
and payments
10% or more of the
federal amount

States with an EITC, refundable payments, and payments

10% or more of the federal amount

Generosity of State EITCs Families with One Child



Birth Outcome Results

	Dependent Variables		
	Birth Weight in Grams	Birth Weight <2500g	Gestation Weeks
Low EITC No Refund	9.44	-0.003	0.05
Low EITC With Refund	16.85	-0.005	0.03
High EITC No Refund	12.68	-0.003	0.17
High EITC With Refund	27.31	-0.008	0.08

Quantile Regression Results

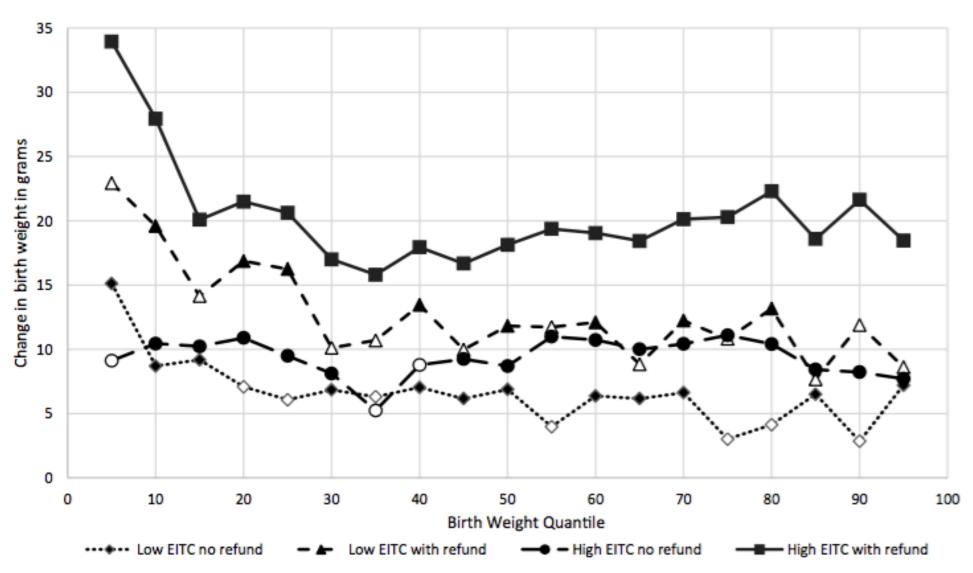


Fig. 2. Effects of EITC Generosity on Birth Weight Using Unconditional Quantile Regression at 5th through 95th Quantiles. Note: N = 30,780,950. Solid marker indicates point estimate is statistically significant at the 5% level.

Conclusions

- More generous EITCs associated with reductions in probability of LBW
 - 0.3 to 0.8 percentage-point reductions
 - 4% to 11% reductions
 - 4,300 to 11,850 fewer babies born LBW every year among women with high school education or less

- If Georgia implemented a refundable EITC at 10% or more of the federal, based on results we estimate
 - 1,047 fewer LBW babies per year in Georgia

Effects of Changes in Earned Income Tax Credit: Time-series Analyses of the Experience in Washington DC

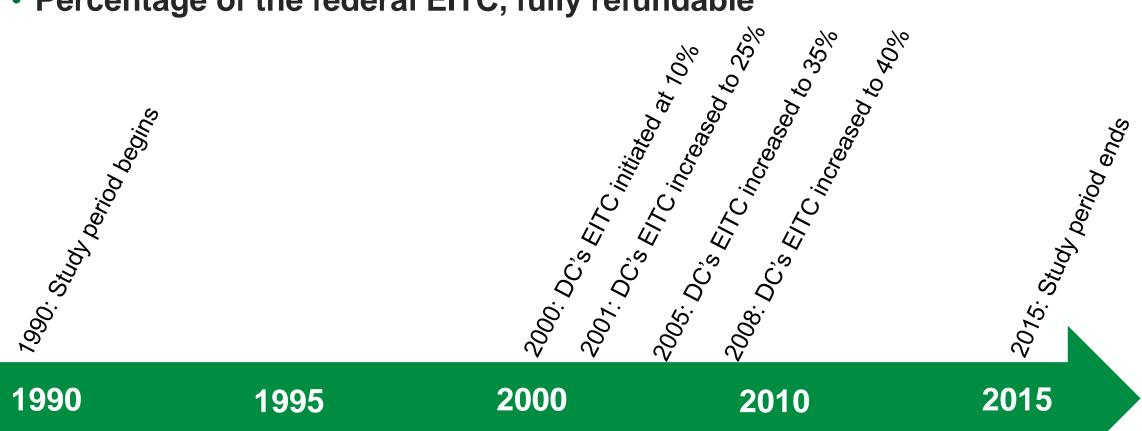
A.C. Wagenaar, M.D. Livingston,

S. Markowitz & K.A. Komro

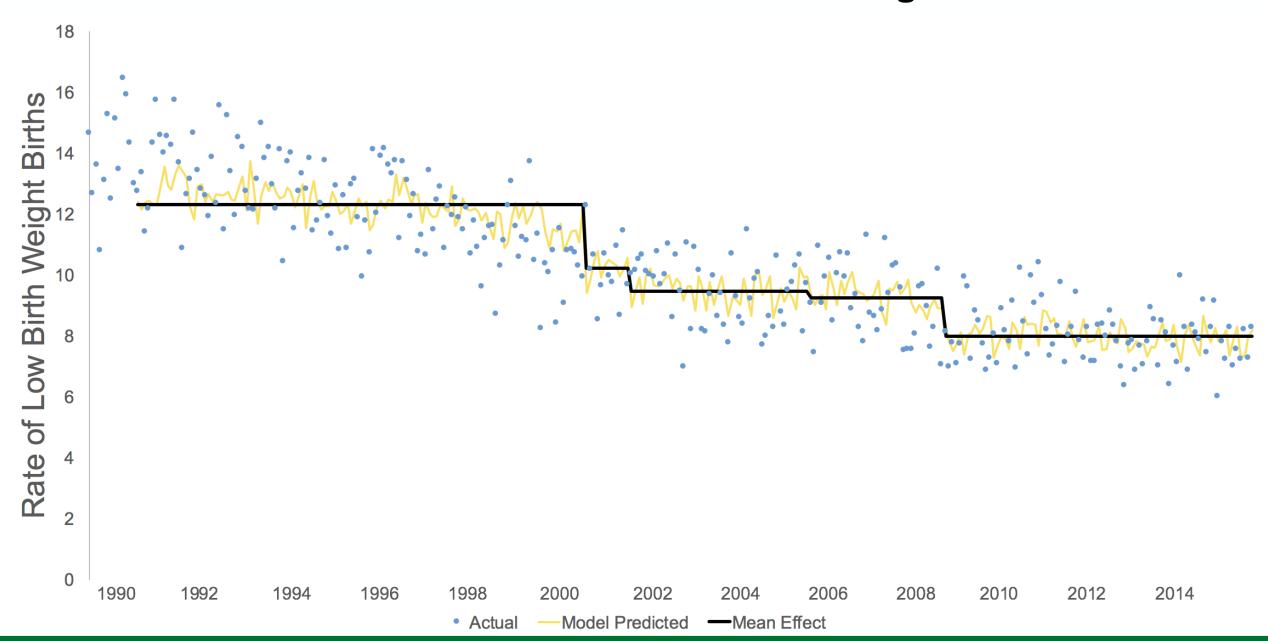
Under review

EITC in DC

- Four distinct policy changes over 8 year period
- Percentage of the federal EITC, fully refundable



Effects of EITC on Low Birth Weight



Bottom Line: Effects in DC

 40% tax credit → 40% decrease in low birth weight births from baseline

 Prevents an estimated 349 low-weight births per year in DC

Effects of State-level Earned Income Tax Credit Laws on Birth Outcomes by Race and Ethnicity

K.A. Komro, S. Markowitz & M.D. Livingston, A.C. Wagenaar,

Under review

Health Inequities

- Health inequities in birth outcomes by mother's income, education level and race
 - Percent low birth weight births (2016)
 - Hispanic women: 7% to 9.5%
 - non-Hispanic white women: 7%
 - non-Hispanic black women: nearly 14%
- Caused by a complex set of social factors across the life course
 - income inequality
 - education achievement gaps
 - residential segregation
 - toxic environment exposures

Results

 Larger beneficial effect among black mothers compared with white mothers for the probability of low birth weight and gestation weeks

 No significant differences in birth outcomes between Hispanic and white mothers

We're Just Getting Started

- Minimum wage and EITC interactive effects
- Minimum wage and EITC optimum legal constructions
- TANF effects on maternal, infant and child outcomes
- Exploring differential effects by race/ethnicity
- Additional health outcomes
- Additional policies affecting social determinants
- Continued monitoring and coding of legal changes

Thank You! Kelli (kkomro@emory.edu)





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