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Expanded Income Eligibility for Health Insurance

Evidence Review Findings: Effective / Roadmap Policy

Expanding Medicaid income eligibility at or below 138 percent of the federal poverty level (FPL) is an effective strategy to increase health insurance coverage, improve access to perinatal care, and reduce family financial burdens. Although overall findings are mixed, rigorous studies of expanding Medicaid income eligibility suggest beneficial findings in maternal mortality and child neglect rates.

Medicaid is a joint federal-state program that provides health insurance coverage to people with low incomes. Medicaid is an open-ended entitlement, which means that individuals who meet eligibility criteria, usually determined by income level as a percent of the FPL, qualify to receive health insurance coverage.¹

States administer Medicaid and have the flexibility to determine income eligibility thresholds for the types of covered services and populations of individuals that qualify for Medicaid coverage (including childless adults, parents, and expectant parents). Because of this flexibility, income eligibility requirements for Medicaid vary across states. Expanding Medicaid eligibility at or below 138 percent of the FPL increases the number of adults who are entitled to Medicaid coverage, decreases the number of uninsured people, and increases health and financial wellbeing.¹ This policy lever has been well studied, but other policy levers that are not within the scope of this review such as state-run health insurance plans and extension of postpartum Medicaid coverage can also increase the number of insured people.

Decades of research in the field of child development have made clear the conditions necessary for young children and their families to thrive.² These conditions are represented by our eight policy goals, shown in Table 1. The goals positively impacted by Medicaid expansion are indicated with a filled circle, and the goals theoretically aligned (but without evidence of effectiveness from strong causal studies) are indicated with an unfilled circle.

Table 1: Impacts of Medicaid Expansion on Policy Goals

Positive Impact	Policy Goal	Overall Findings
	Access to Needed Services	Positive impacts on insurance coverage, mixed impacts on health care use
	Parents' Ability to Work	(Policy goal outside the scope of this review)
	Sufficient Household Resources	Positive impacts on sufficient resources, especially medical debt and spending on health
	Healthy and Equitable Births	Mixed impacts on adverse birth outcomes overall, with some evidence of reducing racial disparities
	Parental Health and Emotional Wellbeing	Mostly null impacts on parental health and emotional wellbeing
	Nurturing and Responsive Child-Parent Relationships	Trending null impacts on time spent with children
	Nurturing and Responsive Child Care in Safe Settings	(Policy goal outside the scope of this review)
	Optimal Child Health and Development	Mixed impacts, with positive impacts on reducing child neglect rates

What Is Expanded Income Eligibility for Health Insurance?

The expansion of Medicaid income eligibility at or below 138 percent of the federal poverty level (FPL) is the most rigorously studied state policy choice to increase health insurance coverage for individuals with low incomes. The federal Patient Protection and Affordable Care Act (ACA) was signed into law in 2010 and expanded Medicaid income eligibility for most adults at or below 138 percent of the FPL, beginning in 2014.³ The ACA Marketplace was established and provided individuals with incomes above 100 percent of the FPL with the option to receive subsidies and purchase health insurance in the Marketplace.⁴ The expansion of Medicaid provided childless adults with low incomes and parents with incomes at or below 138 percent of the FPL with the ability to qualify for health insurance based on income eligibility.¹

In 2012, the Supreme Court ruled in *National Federation of Independent Business v. Sebelius* that the federal expansion of Medicaid was unconstitutional.⁵ This decisionⁱ made the expansion of Medicaid optional for individual states and removed the risk of states losing other federal Medicaid funding,

ⁱ When the ACA was signed into law, a provision stipulated that states needed to expand Medicaid to adults at or below 138 percent of the federal poverty level or they would lose all existing Medicaid funding provided by the federal government. The US Supreme Court ruled that the expansion requirement violated the Spending Clause of the US Constitution because states would need to fund their state share to cover health insurance for the expansion population to comply with the law.⁶

as originally stipulated in the ACA. As a result, Medicaid expansion has not been implemented in all states and income eligibility criteria vary state to state depending on Medicaid expansion choices.

Medicaid started as an amendment to the Social Security Act known as the Medicare and Medicaid Act in 1965. The program was a small portion of the bill and attempted to enhance some of the existing versions of public health insurance.⁷ At the time of passage, only 40 to 50 percent of children were likely to see a doctor each year.⁸ The approved program design was state-run, rather than a federal public health insurance program, because of resistance from politicians who were concerned about the role of the federal government due to advances in legislation from the Civil Rights movement. These concerns influenced the original design of Medicaid and purposefully excluded people of color.^{7,8,9}

People of color are consistently left behind by Medicaid programming. The current Medicaid landscape was heavily influenced by the radicalized desire to ensure marginalized communities were excluded from coverage and the system of oppression it works within.⁹ Medicaid, unlike Medicare, is more flexible on the state-level because of compromises made by the federal government. States can set their own policies for Medicaid regarding funding, eligibility requirements, and administrative burden, and some states have used the flexibility to create discriminatory practices.¹⁰ One example of implementation inconsistencies is Medicaid expansion through the ACA. Individuals residing in non-expansion states do not receive the same benefits and access to health care as those in expansion states. Additionally, work requirements mandated by states to receive Medicaid coverage can also be a barrier to care. Even when individuals are eligible under work requirements, the administrative time and knowledge needed to receive benefits prevents individuals from enrolling.⁸

States that have not expanded Medicaid do not cover any childless, nonelderly adults who do not have disabilities,ⁱⁱ regardless of income level. The income eligibility guidelines for parents in nonexpansion states range from below 20 percent of the FPL to 100 percent of the FPL for a family of three.¹¹ Regardless of state decisions to expand Medicaid, individuals who earn between 100 percent to 400 percent of the federal poverty level are eligible for subsidies,⁴ which can offset the cost of a health insurance plan purchased on the Marketplace.

The Medicaid income eligibility threshold for expectant parentsⁱⁱⁱ is set at a higher income level than for childless adults or parents in all but three states. The pregnancy income eligibility threshold for expectant parents ranges across states from 138 percent to 380 percent of the FPL.¹² Prior to changes in the duration of pregnancy-related Medicaid coverage in the postpartum period through provisions in the American Rescue Plan Act (ARPA), pregnancy-related Medicaid typically ended after 60 days postpartum. Following ARPA and the 2023 Consolidated Appropriations Act (CAA), most expansion and non-expansion states have extended pregnancy Medicaid coverage to 12 months postpartum.⁶⁰ Following the end of pregnancy Medicaid coverage,

ⁱⁱ With the exception of Georgia and Wisconsin, which provide coverage for adults with incomes at or below 100 percent of the FPL. Georgia's coverage includes a work requirement.

ⁱⁱⁱ Expectant parents reflects the gender-inclusive term instead of the term pregnant women. Although expectant parents is preferred to respect all individuals who are pregnant and may become pregnant, this Evidence Review follows the policy and research-specific language, which most often uses women and mothers.

individuals with incomes at 100 to 400 percent of the FPL can purchase health insurance on the Marketplace.^{iv} In expansion states, parents with incomes at or below 138 percent of the FPL qualify for traditional Medicaid after pregnancy coverage ends. In nonexpansion states, new parents' eligibility varies based on state income eligibility thresholds. Overall, Medicaid is the largest provider of maternity care and covers approximately 41 percent of all births in the US.¹⁶

Table 2 provides a snapshot comparison of how Medicaid income eligibility requirements typically vary during the perinatal period in expansion versus nonexpansion states.

Table 2: Summary of Medicaid Income Eligibility Requirements During the Perinatal Period^v

	Before Pregnancy	During Pregnancy (Through 12 Months Postpartum)	After Pregnancy (After 12 Months Postpartum)
Expansion States	- Childless adults with incomes at or below 138 percent of the FPL are eligible for Medicaid - Parents with incomes at or below 138 percent of the FPL are eligible for Medicaid	Pregnancy Medicaid income eligibility is determined by each state	- Parents with incomes at or below 138 percent of the FPL are eligible for Medicaid - Some parents can move to the Marketplace and be eligible for subsidies (100% to 400% of the FPL) to purchase health coverage
Nonexpansion States	- Childless adults are ineligible for Medicaid - Parents' income eligibility for Medicaid is determined by each state	Pregnancy Medicaid income eligibility is determined by each state	- Parents' income eligibility for Medicaid is determined by each state - Some parents can move to the Marketplace and be eligible for subsidies (100% to 400% of the FPL) to purchase health coverage

Note: As of September 2026, one state has not extended postpartum Medicaid coverage to 12 months. For additional information, see the Prenatal-to-3 State Policy Roadmap (<http://pn3policy.org/roadmap>).

^{iv} Extending Medicaid beyond 60 days is a proposed policy distinct from state Medicaid expansion and is outside the review scope. States may be more likely to extend Medicaid coverage to postpartum women past 60 days following the passage of the American Rescue Plan Act of 2021, which created a state option to provide health insurance coverage.¹³

^v Table 2 excludes state decisions to extend Medicaid coverage to new mothers past 60 days postpartum.

Who Is Affected by Medicaid Expansion?

The group most affected by Medicaid expansion is individuals currently in the coverage gap in nonexpansion states. The coverage gap refers to individuals who have incomes above their state's eligibility level but lower than the 100 percent of the FPL. People below 100% of the FPL do not qualify for tax credits in the ACA Marketplace. Therefore, people in nonexpansion states who make between their state's Medicaid eligibility level and 100 percent of the FPL do not have appropriate insurance coverage.¹⁴ In expansion states, most nonelderly childless adults (including childless women of reproductive age)^{vi} and parents qualify for Medicaid if their incomes are at or below 138 percent of the FPL.¹¹

As states expanded Medicaid income eligibility, the number of newly income-eligible adults varied based on each state's eligibility threshold before Medicaid expansion. For example, Washington expanded parents' income eligibility threshold from 73 percent to 138 percent of the FPL, compared to Virginia which increased from 31 percent to 138 percent of the FPL.¹⁵ These changes resulted in 735,800 newly eligible people in Washington and 581,300 newly eligible people in Virginia. Overall, Medicaid provides health insurance for one in five Americans in the US.¹ If the 10 remaining nonexpansion states in 2025 increased their income eligibility threshold to 138 percent of the FPL, 2.7 million adults would be eligible for health insurance, including 1.4 million adults in the coverage gap.¹⁴

Deep racial disparities exist within rates of uninsured people and these disparities have increased as a result of the COVID-19 pandemic that disproportionately affected people of color. Medicaid coverage levels for people of color remain lower and uninsured rates are higher in nonexpansion states.¹⁵ Nationally among individuals under age 65, American Indian/Alaska Native individuals have the highest uninsured rates followed by Hispanic, Native Hawaiians and Other Pacific Islanders, and Black individuals. Black adults ages 19 to 64 are more likely to fall into the insurance coverage gap because they are more likely to live in nonexpansion states.¹² For example, only 20.6 percent of Black adults ages 19 to 64 had Medicaid coverage in nonexpansion states compared to 32.7 percent in expansion states in 2022.¹⁷ If all states expanded the income eligibility threshold to 138 percent of the FPL, the gap in health insurance coverage rates across racial and ethnic groups would narrow.

What Are the Funding Options for Medicaid Expansion?

Medicaid is funded by both the federal government and states. The share of the total cost of Medicaid that the federal government and states pay is determined by the Federal Medical Assistance Percentage (FMAP).¹⁸ The FMAP is calculated using a formula set by the federal Medicaid statute based on per capita income by state. If a state has a higher per capita income, the federal government provides a smaller share of funds to cover the cost of Medicaid.^{1,18}

The ACA requires the federal government to pay for 90 percent of the costs associated with providing health insurance to the expansion population. States are responsible for paying the remaining 10 percent and often use general revenues, provider taxes, cigarette and alcohol taxes, and other dedicated revenues and government contributions.^{18,19}

^{vi} Reproductive age is defined as ages 15 to 44; state Medicaid expansion covers adults ages 19 to 64.

States previously received additional Medicaid funding options through relief packages during the COVID-19 Public Health Emergency (PHE). The Families First Coronavirus Response Act (FFCRA) amended by the Coronavirus Aid, Relief, and Economic Security Act (CARES) Act provided states with a temporary increase in their regular FMAP.^{20,53} Additionally, the American Rescue Plan Act of 2021 (ARPA) provided an additional 5 percentage point increase to the regular FMAP for states that expanded Medicaid during the PHE.^{13,18} The increase was available for 2 years after expansion, regardless of when PHE states expanded Medicaid.²⁰ The budget reconciliation for Fiscal Year 2026, H.R. 1, passed in July 2025 removed this incentive for states. North Carolina is the only state to use the incentive and is not affected. No other state will be eligible as of 2025.²¹

Why Should Medicaid Expansion Be Expected to Impact the Prenatal-to-3 Period?

Medicaid expansion provides health insurance coverage to individuals who did not previously qualify for health insurance based on their income. Newly income-eligible adults may have improved health outcomes (e.g., quality of care and use of health care services) because they can now access and afford comprehensive health care.^{22,23} Expanding Medicaid income eligibility also improves financial outcomes; if more adults can access health insurance, they will be less likely to pay catastrophic medical bills or out-of-pocket premiums. Additionally, large, unexpected costs can increase financial stress.²²

Specific to the prenatal period, expanding income eligibility for health insurance may improve birth outcomes. Before Medicaid expansion broadened the income eligibility threshold, childless women with low incomes may have had more limited access to family planning services, preventative care before conception, and prenatal care in the earliest stages of pregnancy.⁴⁶ Access to family planning services and preventative care before conception are influential factors in healthy birth outcomes because parents will be healthier and more prepared for pregnancy and birth.⁵⁴ Additionally, early and regular prenatal care provides a window of opportunity for providers to assess and treat health conditions prior to birth. The window can lead to safer and healthier pregnancies and births, resulting in lower rates of birth complications, maternal and infant mortality, low birthweight, and preterm birth.^{24,25}

The income eligibility guidelines during the postpartum period may cause interruptions in health insurance coverage after childbirth known as perinatal churn, which can restrict access to care during the critical postpartum period.²⁶ State Medicaid expansion decreases the gap in income eligibility between nonpregnancy and pregnancy Medicaid, reducing the number of individuals susceptible to perinatal insurance churn compared to nonexpansion states.²⁴

Medicaid expansion may also impact the health and financial wellbeing of families whose incomes fall between the pre-ACA guidelines in their state and 138 percent of the FPL. By providing free or low-cost health services to parents, these families may be less likely to be severely cost burdened by medical costs and less likely to incur medical debt.²² Families who previously avoided medical care because of the cost may be able to get necessary health care and improve physical and mental health outcomes, which may lead to an increased likelihood of employment and greater earnings.

Reduced medical financial burden may also lower family stress and free up resources to spend on other household needs.²²

What Impact Does Medicaid Expansion Have, and for Whom?

Research on Medicaid expansion, both through the ACA and through earlier state expansions (e.g., Massachusetts's health insurance reform in 2006 and Oregon's randomized controlled trial in 2008) focuses on impacts on both the overall population and on specific subgroups. This review is limited to those outcomes most relevant to the perinatal period, including perinatal insurance coverage and birth outcomes. Because of the significant impact of poverty on outcomes in early childhood,²⁷ this review also considers the impact of state expansions of Medicaid on financial security. Study populations within the scope of this evidence review include people who are of reproductive age or are pregnant, children (if inclusive of children ages birth to 3), and all nonelderly adults for studies on impacts of household resources.

The research discussed here meets our standards of evidence for being methodologically strong and allowing for causal inference, unless otherwise noted. Each strong causal study reviewed has been assigned a letter, and a complete list of causal studies can be found at the end of this review, along with more details about our standards of evidence and review method. The findings from each strong causal study reviewed align with one of our eight policy goals from Table 1. The Evidence of Effectiveness table displays the findings associated with state expansions of Medicaid (beneficial, null,^{vii} or detrimental) for each of the strong studies (A through BBB) in the causal studies reference list. For each indicator, a study is categorized based on findings for the overall study population; subgroup findings are discussed in the narrative. The Evidence of Effectiveness table also includes our conclusions about the overall impact on each studied policy goal. The assessment of the overall impact on each studied policy goal weighs the timing of publication and relative strength of each study, as well as the size and direction of all measured indicators.

Of the 58 causal studies included in this review, 11 studies^{viii} examined how outcomes differed by race and ethnicity (beyond simply presenting summary statistics or controlling for race/ethnicity). Where available, this review presents causal findings from subgroup analyses. A rigorous evaluation of a policy's effectiveness should consider whether the policy has equitable impacts and should assess the extent to which a policy reduces or exacerbates pre-existing disparities in economic and social wellbeing.

^{vii} An impact is considered statistically significant if $p \leq 0.05$. Results with p -values above this threshold are considered null or nonsignificant.

^{viii} Studies A, J, T, V, W, DD, EE, GG, JJ, and VV include subgroup analyses based on race and ethnicity.

Table 3: Evidence of Effectiveness for Medicaid Expansion by Policy Goal

Policy Goal	Indicator	Beneficial Impacts	Null Impacts	Detrimental Impacts	Overall Impact on Goal
Access to Needed Services	Perinatal Medicaid Coverage	B, D, E, Z, AA, DD, EE, QQ, VV, ZZ			Mostly Positive
	Postpartum Medicaid or Health Insurance Coverage	I, X, AA, DD, WW, EEE			
	Overall Perinatal Uninsurance Rates	C, H, DD, ZZ	B, E		
	Ongoing Medicaid and Health Insurance Coverage for Parents	II, QQ, CCC			
	Health Insurance Coverage (Children)	Y	PP, FFF		
	Uninsurance Rates (Children)		PP		
	Doctor Visits (Children)		FFF		
	Receipt of Recommended Prenatal Screenings	D			
	Preconception Counseling	AA			
	Adequate Prenatal Care	EE, MM	E, UU, ZZ		
	Perinatal Contraceptive Counseling		Z		
	Postpartum Outpatient Care Use	I, Z, WW	UU		
	Primary Care Use	H, II, CCC	C		
	Access to Mental Health Medication	XX			
	STI Testing	YY			
	Dental Care Use		BBB		

Table 3: Evidence of Effectiveness for Medicaid Expansion by Policy Goal (Continued)

Policy Goal	Indicator	Beneficial Impacts	Null Impacts	Detrimental Impacts	Overall Impact on Goal
Sufficient Household Resources	Any Out-of-Pocket Spending on Health	F, G, M, Q, KK	S		Positive
	Medical Debt	F, G	N		
	New Medical Collections	N			
	Cost Barriers to Care	C, G, H, K, II, CCC			
	Catastrophic Medical Expenditures	F, KK, PP			
	Problems Paying Medical Bills	K, L, G			
	Reliance on Public Assistance (SNAP)	BB			
	EITC Receipt		BB		
	Evictions	P, T, RR			
	Nonmedical Debt	F, G	G		
	Delinquency or Bankruptcy	R, N	G		
	Credit Score	N			
	Number of Loans	O			
	Amount Borrowed	O			
	Child Support	JJ			
	Family Poverty	CC			
	Total Housing/Food Spending		S		
Healthy and Equitable Births	Preterm Birth	A, FF, AAA	E, MM, UU		Mixed
	Low Birthweight	A, FF	W, UU, ZZ, AAA		
	Size for Gestational Age		E, MM		
	Maternal Mortality Ratio	J			
	NICU		FF		
	Infant Mortality	V, GG	V, W, FF, GG		

Table 3: Evidence of Effectiveness for Medicaid Expansion by Policy Goal (Continued)

Policy Goal	Indicator	Beneficial Impacts	Null Impacts	Detrimental Impacts	Overall Impact on Goal
Parental Health and Emotional Wellbeing	Self-Reported Health	CCC	L, CCC		Mostly Null
	Medication and Vitamin Use	D, H, AA			
	Health Behaviors		H, AA, MM, UU, DDD		
	Postpartum Hospitalization		SS		
	Diabetes		AA, H, MM, UU		
	Hypertension		AA, H, MM, UU, ZZ		
	High Cholesterol		H		
	Eclampsia/Preeclampsia		MM, TT		
	Unwanted Pregnancy		AA		
	Depression	LL	AA		
	Mental Distress	L	H		
Nurturing and Responsive Child-Parent Relationships	Time Spent with Children		OO		Trending* Null
Optimal Child Health and Development	Neglect Rates	U, NN			Mixed
	Physical Abuse Rates		U, NN		
	Sexual Abuse Rates		HH		
	Breastfeeding Initiation		UU		
	Breastfeeding Duration		UU		

* Trending indicates that the evidence is from fewer than two strong causal studies or multiple studies that include only one location, author, or data set.

Notes: If a study is placed in multiple impact categories (beneficial, null, detrimental) for an indicator, results were inconsistent within the study (e.g., depending on the number of states exposed to the treatment of Medicaid expansion in study GG).

Access to Needed Services

Expanded Medicaid income eligibility directly increases access to insurance and care that leads to better health outcomes for patients. Medicaid expansion through the Affordable Care Act (ACA) has mostly beneficial effects for perinatal and postpartum Medicaid and health insurance coverage, uninsurance rates, and perinatal care. Strong causal studies show mixed impacts on health care use by women of reproductive age in general.

Impacts on Perinatal Medicaid Coverage

Medicaid expansion increases the likelihood that individuals will have Medicaid insurance coverage and increases insurance rates throughout the entire perinatal period.^{ix}

Three national studies found that Medicaid expansion increased Medicaid coverage rates before pregnancy. Medicaid expansion led to an 8.6 percentage point increase in the rate of preconception Medicaid coverage among women of reproductive age with low incomes.^B Another study determined Medicaid coverage rates increased 9 to 12 months, 6 to 12 months, and 3 months before childbirth. Coverage rates increased by 13 percentage points, 11 percentage points, and 2 percentage points, respectively.^{VV} Subgroup analysis in the study showed a greater increase in coverage rates for Hispanic individuals in expansion states compared to their counterparts in nonexpansion states. The third national study found that Medicaid expansion increased Medicaid coverage rates by 11.1 percentage points during the preconception period.^{AA}

Individual state Medicaid expansion studies also found beneficial impacts of increasing Medicaid coverage during the preconception period. Ohio's Medicaid expansion led to an 11.8 percentage point increase in the number of first-time mothers enrolled in Medicaid before pregnancy and a 6 percentage point increase among mothers with at least one previous birth.^D In Oregon, Medicaid expansion led to a 10 percentage point increase in the probability of being enrolled in Medicaid prior to pregnancy.^{EE}

One national study found that Medicaid expansion was associated with a 2.3 percentage point increase in Medicaid-financed births compared to nonexpansion states.^E Medicaid expansion increased postpartum Medicaid coverage by 8.5 percentage points for women with incomes at or below 138 percent of the FPL.^{AA} Another national study found that a 100 percentage point increase in the parental Medicaid income eligibility threshold (e.g., increasing income eligibility from 100% to 200% of the FPL) led to a 13.2 percentage point increase in Medicaid coverage among new mothers with incomes at or below 100 percent of the FPL.^{DD} Furthermore, Medicaid expansion led to a 7.9 percentage point increase in Medicaid coverage for new mothers in a different national study.^{QQ}

A national study of American Indian/Alaska Native women before and after Medicaid expansion determined Medicaid expansion increased Medicaid insurance rates for American Indian/Alaska Native women of reproductive age by 30 percent.^{ZZ} During the same period, private insurance rates decreased by 9 percent.^{ZZ}

^{ix} Studies B, D, E, I, Z, AA, DD, EE, II, QQ, VV, WW, and ZZ examined impacts on Medicaid coverage

A recent study examined perinatal insurance churn, defined as a shift between insurance plans or between insurance and uninsurance among low-income women of reproductive age.^x Perinatal insurance churn is common during the perinatal period because of changes in employment or differing Medicaid income eligibility thresholds between pregnancy and parenting. The study found a 10 percentage point decline in the insured–uninsured churn^x in expansion states relative to nonexpansion states. Overall, Medicaid expansion was found to have mostly beneficial impacts in improving the continuity of health insurance coverage through maintaining Medicaid coverage.^x The evidence suggests that the higher income eligibility thresholds associated with Medicaid expansion led to less coverage disruption during the preconception, interconception, and postpartum periods.

Impacts on Postpartum Medicaid and Health Insurance Coverage

Studies also found beneficial impacts of individual state Medicaid expansions on postpartum health insurance coverage. Colorado’s Medicaid expansion was associated with a nearly 1-month increase in the average length of Medicaid coverage during the postpartum period.¹ A study in Oregon determined duration of postpartum Medicaid coverage increased for women who qualified for Medicaid before and after the expansion. Coverage duration increased by 3.14 months for previously enrolled women and 2.78 months for women not previously enrolled.^{ww}

A post-expansion study in Ohio examined the difference in Medicaid enrollment between women who qualified for Medicaid based on the higher income threshold for pregnant women (pregnancy-eligible) compared to women who qualified because their incomes were at or below 138 percent of the FPL. The authors found that pregnancy-eligible women had a 7.7 percentage point increase in the probability of Medicaid enrollment 6 months postpartum compared to women who qualified for Medicaid based on the traditional income eligibility. The increase in Medicaid postpartum health insurance coverage among pregnancy-eligible women was because they were more likely to qualify for the more generous income eligibility post-expansion.^z The ARPA offered states the opportunity to extend postpartum Medicaid coverage to 1 year, but research on this recent policy change is limited.

A national study of Medicaid expansion determined women in rural areas experience greater increases in postpartum health insurance coverage compared to women in other geographical areas. Women in rural areas experienced a 5.5 percentage point increase in overall postpartum health insurance and an 8.9 percentage point increase in Medicaid coverage. Additionally, women in rural areas experienced a 4.8 percentage point increase in postpartum health insurance coverage relative to women in urban areas (including metropolitan and micropolitan areas). The study also found a 5.1 percentage point increase and a 6.7 percentage point increase in postpartum Medicaid coverage for women in metropolitan and micropolitan areas, respectively.^{eee}

Impacts on Perinatal Uninsurance Rates

Several Medicaid expansion studies examined perinatal uninsurance rates because one goal of the ACA was to reduce overall uninsurance among families with low incomes (through increases in Medicaid and non-Medicaid health insurance coverage). Four quasi-experimental studies of women

^x Study X defined insured–uninsured churn as “any switching between any type of insurance.” (p. 1532).

of reproductive age found beneficial impacts of Medicaid expansion on reducing perinatal uninsurance rates in expansion states.

Medicaid expansion increased the likelihood that women with incomes at or below 138 percent of the FPL reported any health insurance coverage by 9 percentage points.^H Among women with incomes at or below 100 percent of the FPL, Medicaid expansion led to a 27.4 percentage point decrease in uninsurance rates among childless women and a 10.1 percentage point reduction for mothers by 2015.^C Medicaid expansion was associated with an 8.8 percentage point reduction in uninsurance rates among new mothers with incomes at or below 100 percent of the FPL, if the income eligibility threshold increased from 100 percent to 200 percent of the FPL.^{DD} Furthermore, for American Indian/Alaska Native women, Medicaid expansion led to a 14 percent decrease in uninsurance rates.^{ZZ}

The variation in the size of beneficial impacts on perinatal uninsurance rates across these four studies is likely driven by the use of different income level restrictions and the use of different national data sets (e.g., the Behavioral Risk Factor Surveillance System and the American Community Survey).^{C,H,DD,ZZ} In contrast, two studies found null effects on uninsurance rates among women of reproductive age in the post-expansion period.^{B,E}

Impacts on Medicaid and Health Insurance Coverage for Mothers

Three national studies analyzed Medicaid coverage for mothers after the perinatal period and found positive results. The first study observed a 9.3 percentage point increase in Medicaid coverage for mothers in expansion states.^I The second study determined Medicaid coverage for mothers with children older than age 1 year increased by 9.5 percentage points.^{QQ} The final study found a 13.4 percentage point increase in health insurance coverage for parents with low incomes in expansion states.^{CCC} Causal evidence from these studies suggests parents in Medicaid expansion states continue to experience higher levels of Medicaid and health insurance coverage beyond the perinatal period.

Impacts on Children's Health Care Use

Medicaid expansion provides health care coverage for adults by increasing the income eligibility threshold, but it does not change the Medicaid income eligibility limit for children. Results on the effect of Medicaid expansion on children's health insurance coverage is mixed. Despite the lack of direct effect on child coverage, one study linked Medicaid expansion to improvements in children's access to health insurance coverage. Spillover effects reflect the impact of one event (e.g., Medicaid expansion for adults) influencing a change in another event (e.g., children's health insurance coverage). A national study examined the likelihood of all children having public insurance coverage because of their parents becoming newly income-eligible for Medicaid themselves. Medicaid expansion led to a 2.7 percentage point increase in Medicaid insurance rates for children with newly-eligible adults.^Y

Two other national studies found mostly null results for children's health care access. The first study examined children's insurance coverage and uninsurance rate.^{PP} The second study examined children's insurance rates, continuous 12-month coverage, and attendance at well-child visits.^{FFF}

More strong causal studies are needed to examine the spillover effects of parental access to services and its relation to children's health care use.

Impacts on Health Care Use During the Perinatal and Postpartum Periods

Medicaid expansion had positive impacts on women's access and use of critical services during the perinatal and postpartum periods. For instance, rates of recommended prenatal screenings were 8.4 percentage points higher among first-time mothers (5.1 percentage points higher for all other mothers) after Ohio's Medicaid expansion.^D Among women with low incomes, Medicaid expansion was associated with a 4 percentage point increase in preconception counseling.^{AA}

Oregon's Medicaid expansion was found to increase the likelihood of the receipt of both timely and adequate prenatal care, by 1.5 and 2.8 percentage points, respectively.^{EE} The authors also found that women who enrolled in Medicaid in the month before pregnancy had a 4.2 and 1.1 percentage point higher probability of timely and adequate prenatal care, respectively, compared to women without Medicaid a month before pregnancy.^{EE} Additionally, a larger national study found prenatal care in the first trimester slightly increased by 0.5 percentage points after Medicaid expansion exposure.^{MM} In contrast, national Medicaid expansion studies reported nonsignificant findings in timely prenatal care initiation^{E,ZZ} and timing of the first prenatal visit.^{UU} Authors hypothesize the null results could have been influenced by the stagnant uninsurance rate for pregnant women in the study^E or structural racism that prevents women of color from accessing care.^{ZZ} Authors additionally note that null results highlight the need to address structural barriers and suggest promoting upstream policies such as paid family leave and income support programs.^{UU}

Three studies found Medicaid expansion was associated with positive impacts on the increase in health care use among postpartum women. A quasi-experimental study of Colorado's expansion found a 17 percent increase in the number of outpatient visits postpartum,^I and a study of Ohio's expansion found a 5.1 percentage point increase in the likelihood of a postpartum visit.^Z Oregon's Medicaid expansion was associated with increased outpatient care utilization postpartum for individuals who were newly enrolled and previously covered by Medicaid before expansion.^{WW} For previously enrolled individuals, care utilization increased in the periods 0 to 2 months, 3 to 6 months, and 7 to 12 months postpartum, with the greatest impacts at 7 to 12 months postpartum (0.34 visits per individual). Significant, but small impacts were also seen for newly enrolled individuals in the same periods, with the greatest impacts at 7 to 12 months postpartum (0.26 visits per individual).^{WW}

A study in Arkansas determined that Medicaid expansion in the state increased access to mental health medication during the postpartum period. The likelihood of filling an antidepressant prescription increased by 4.6 percentage points. For individuals with early postpartum depression, Medicaid expansion increased continuity of antidepressant treatment by 20.5 percentage points and increased the number of days with antidepressant supply by 14.1 days.^{XX}

In contrast to the mostly positive findings, one study did not find any significant changes in attendance at postpartum visit check-ups.^{UU} An additional study did not find any significant changes in contraceptive counseling, which may occur during postpartum visits.^Z These mostly beneficial findings are promising given that postpartum health care use helps women transition

from pregnancy to parenthood and provides an opportunity for women to receive support and services.²⁴

Impacts on Health Care Use Among Women of Reproductive Age

Medicaid expansion has mixed impacts on health care use among women of reproductive age with low incomes. One study published in 2017 found no significant impacts on primary care use in the past year among women with or without dependent children.^c In another study published in 2021, the authors found that women with low incomes and dependent children increased their use of personal health providers by 3 percentage points and routine checkups by 6 percentage points relative to their counterparts in nonexpansion states.ⁱⁱ Both indicators were not significant among women living in states that had more generous income thresholds prior to Medicaid expansion (e.g., states that increased their income eligibility thresholds from 110 to 138 percent of the FPL).ⁱⁱ Furthermore, a national study found a 4.4 percentage point increase in having a primary care physician and a 4.7 percentage point increase in having an annual checkup in the last year for parents with low incomes in expansion states.^{ccc}

The mixed findings across both national and quasi-experimental studies point to two important considerations in the examination of Medicaid expansion and health care use among the expansion population. First, the impact of Medicaid expansion may depend on states' pre-expansion income eligibility. States that have expanded Medicaid from lower pre-expansion income eligibility thresholds may see larger gains in outcomes related to health care access and use.ⁱⁱ Second, although both studies^{c,ii} used the same national data set (the Behavioral Risk Factor Surveillance System), one study used data from 2012 to 2015^c compared to 2011 to 2018 in the other national study.ⁱⁱ The beneficial impacts of Medicaid expansion found in the longer-term studyⁱⁱ may be due to the authors ability to analyze long-term impacts of Medicaid expansion with more years of data.

Another recent study found that women of reproductive age in Medicaid expansion states experienced a 12.7 percentage point increase in sexually transmitted infection (STI) testing three years after expansion.^{yy} Results were null for subgroup testing for bisexual, lesbian, Black, and Latina women. Furthermore, a study examining the effect of Medicaid expansion on pre-pregnancy dental use found no significant effects.^{bbb} Authors suggest that null results could be caused by lack of knowledge of Medicaid benefits and the importance of improving oral health before pregnancy. However, results were positive and significant for states that offer extensive dental coverage compared to states offering limited coverage.^{bbb}

Access to Needed Services: Subgroup Findings by Race and Ethnicity

Four causal studies included in this review examined the impact of Medicaid expansion on subgroups of people by race and/or ethnicity for indicators including uninsurance rates, Medicaid coverage among children and women of reproductive age, and timely and adequate prenatal care.^{dd,ee,vv,zz} As discussed earlier in this evidence review, people of color were more likely to be uninsured compared to their White counterparts prior to Medicaid expansion.¹⁷

One national study found that a 100 percentage point (e.g., from 100% to 200% of the FPL) increase in the Medicaid income eligibility threshold reduces uninsurance rates among all races and ethnicities, except for Black women. The authors reported the following decrease in uninsurance

rates: 13.6 percentage points among American Indian/Alaska Native mothers, 10.2 percentage points among Hispanic mothers, 10.0 percentage points among White mothers, 8.1 percentage points among Asian American/Pacific Islander mothers, and 7.0 percentage points among multiracial/other^{xi} mothers relative to their nonexpansion counterparts. The reduction in uninsurance rates for Black mothers was not statistically significant.^{DD}

The same study found that a 100 percentage point increase in Medicaid income eligibility increased Medicaid coverage rates for White (3.3 percentage points), Hispanic (15.5 percentage points), and Black mothers (9.3 percentage points) relative to their nonexpansion counterparts. The impact of Medicaid expansion on increasing Medicaid coverage rates was not statistically significant for American Indian/Alaska Native, Asian American/Pacific Islander, and multiracial/other mothers compared to their counterparts in nonexpansion states.^{DD} The authors posited that the difference in significant decrease in uninsurance and increase in Medicaid coverage rates reflect a continuation of pre-expansion disparities in coverage rates by race and ethnicity.^{DD} Although Medicaid coverage increased for some groups, it may not have significantly decreased the amount individuals in the coverage gap.

Another national study determined Medicaid coverage rates increased 9 to 12 months, 6 to 12 months, and 3 months before childbirth.^{VV} Subgroup analysis determined Hispanic individuals in Medicaid expansion states experienced the greatest increase in coverage rates compared to their counterparts in nonexpansion states. Authors determined Hispanic individuals in expansion states experienced increases in Medicaid coverage of 24.0 percentage points at 12 months before birth and 16.1 percentage points 12 months after birth.

Comparatively, non-Hispanic White individuals experienced increases in coverage of 12.4 percentage points at 12 months before birth and 8.9 percentage points 12 months after birth. Non-Hispanic Black individuals did not experience a significant difference in coverage rates at the two time periods. Authors hypothesize that the null results for non-Hispanic Black individuals are because states with the largest non-Hispanic Black populations have not expanded Medicaid. Additionally, other studies have noted that non-Hispanic Black mothers had the highest Medicaid coverage rate and lowest uninsured rate, also possibly contributing to the null results.^{VV}

A national study of American Indian/Alaska Native women of reproductive age found mixed results for outcomes related to access to needed services. Medicaid expansion led to a 30 percent increase in Medicaid coverage, a 9 percent decrease in private insurance coverage, and 14 percent decrease in uninsurance rates for the study population.^{ZZ} In the same study, there was no significant change in the rate of women receiving first trimester prenatal care. Authors hypothesize that the null results may be due to lower rates of available physicians and barriers to care created by structural racism.^{ZZ}

A study of Oregon's Medicaid expansion found that from 2012 to 2016, the receipt of timely prenatal care increased 2.4 percentage points for Hispanic women compared to 1.3 percentage points among

^{xi}As described by the authors, the multiracial/other category includes women who reported a race other than White, Hispanic, Black, American Indian/Alaska Native, Asian American/Pacific Islander, or who reported more than one race.

non-Hispanic women.^{EE,xii} Similarly, Medicaid expansion led to a 3.6 percentage point increase in adequate prenatal care receipt for Hispanic women compared to 2.6 percentage points for non-Hispanic women.^{EE} Nationally, 71.7 percent of Hispanic women began prenatal care in the first trimester and 69.2 percent received adequate prenatal care in 2022. In comparison, 82.8 percent of White women began prenatal care in the first trimester and 80.1 percent of received adequate prenatal care.²⁹ None of the included studies examined receipt of timely and adequate prenatal care for Black women, who have the lowest rates of both timely (68.6%) and adequate prenatal care (67.6%) of all races and ethnicities.²⁹ Future studies should examine the potential impact of Medicaid expansion on Black women's receipt of prenatal care use during pregnancy.

Sufficient Household Resources

Experiences of financial hardship during early childhood can disrupt healthy brain development and compromise the foundation for long-term learning, behavior, and health.²⁹ Medicaid expansion through the ACA was designed to reduce financial burdens for families with low incomes by making health insurance coverage more affordable. Reduced medical financial burden may also lower family stress and free up resources for spending on other household needs. The scope of evidence reviewed for this policy goal includes expanded income eligibility to 138 percent of the FPL for the entire expansion population of adults ages 19 to 64; the scope is not limited only to women of reproductive age.

Impacts on Health Spending

Evidence suggests that Medicaid expansion reduces the amount of money individuals ages 19 to 64 with low incomes pay for health care access and services. A study of the randomized Oregon Medicaid lottery^{xiii} found that Medicaid reduced the likelihood of having any out-of-pocket medical spending by 20 percentage points, reduced the likelihood of having any outstanding medical debt collections by 6.4 percentage points, and reduced the probability of borrowing money or skipping other bills to pay medical expenses by 15.4 percentage points.^G Among nonelderly adults in Portland, the Oregon Medicaid lottery led to a reduction in the likelihood of having any out-of-pocket medical spending by 15.3 percentage points, medical debt collections by 13.3 percentage points, and any catastrophic expenditures by 4.5 percentage points.^F

A study of California's Medicaid expansion also found a 10.1 percentage point decrease in any out-of-pocket medical spending for adults with incomes below 200 percent of the FPL.^Q Furthermore, a study of Michigan's Medicaid expansion from 2010–2017 found a 7.1 percentage point decrease in the likelihood of having problems with paying medical bills.^K The beneficial impacts of Medicaid expansion on health spending in these state-specific studies are supported by findings of national studies. For example, one national study found a 4 percentage point decrease in the likelihood of incurring over \$1,000 in medical costs for one child.^{PP}

^{xii} Other racial/ethnic groups were not included in the subgroup analyses.

^{xiii} The Oregon Medicaid Lottery refers to Oregon's limited expansion of its Medicaid program for low-income adults through a lottery drawing that began in 2008. A third of those who put their names on the waiting list, approximately 30,000 total, received the option to apply for Medicaid.^F

Four national, quasi-experimental studies found that Medicaid expansion helped reduce household spending on health care services. If states expanded their income eligibility threshold by 100 percentage points (e.g., from 100% to 200% of the FPL), the likelihood of having problems paying family medical bills decreased by 13.6 percentage points.^L Medicaid expansion also decreased the likelihood of catastrophic medical expenditures up to 4.7 percentage points and out-of-pocket spending by \$122 in 2017.^{KK} A study published in 2020 found that Medicaid expansion led to a 7.9 percentage point increase in the likelihood of having zero out-of-pocket expenditures for both insurance premiums and nonpremium medical spending.^M Lastly, one study found Medicaid expansion was associated with a 3.3 percent reduction in the probability of having new medical bills sent to collections but no significant impact on medical debt.^N Only two included studies found null impacts of Medicaid expansion on overall health spending or medical debt.^S

Impacts on Reducing Cost Barriers to Care

Evidence also shows that Medicaid expansion reduces the avoidance of health care because of cost barriers. Two studies that included women both with and without children found that Medicaid expansion reduced the likelihood that individuals with low incomes avoided going to the doctor because of cost. A study that used a national data set from 2012 to 2015 found that Medicaid expansion reduced the likelihood of women with incomes at or below 100 percent of the FPL not going to the doctor because of cost by 3.8 percentage points.^C An additional national study using data from 2011 to 2016 found Medicaid expansion is associated with a larger 7.4 percentage point reduction in avoiding care because of cost for women with incomes at or below 138 percent of the FPL.^H

Two national studies of parents found a positive effect on cost barriers to care. The first study that only included mothers with dependent children found that Medicaid expansion led to a decrease in avoidance of care because of cost by up to 7 percentage points.^{II,xiv} The second study that included parents with low incomes found a 11.3 percentage point decrease in parents avoiding care due to cost.^{CCC}

Limited evidence suggests Medicaid expansion can decrease the likelihood of refusal of care due to medical debt. Medicaid recipients in a study of the randomized Oregon Medicaid Lottery reported a 3.6 percentage point decrease in the probability of refusal of care due to medical debt.^G

Furthermore, a study of the longer-term impacts of Medicaid expansion in Michigan found a 3.8 percentage point decrease in delaying care because of cost in year 3 after implementation. The effect grew to a 5.6 percentage point reduction the following year,^K suggesting that the impacts of Medicaid expansion may take time to take effect.

Impacts on Public Income Supports

One strong causal study examined the connection between Medicaid expansion and its impact on participation in the federal earned income tax credit (EITC) and the Supplemental Nutrition Assistance Program (SNAP) among the nonelderly population. The authors found that the increase in the

^{xiv} Avoiding care because of cost was only statistically significant (at $p \leq 0.05$) for low-income women living in states that increased their income eligibility threshold from 90 percent of FPL to 138 percent of the FPL after Medicaid expansion.

Medicaid income eligibility threshold from 0 to 138 percent of the FPL led to a change of 0.6 additional SNAP participants per 100 people, roughly a 4 percent increase relative to the mean rate.^{BB} EITC receipt was not significantly related to Medicaid expansion. The authors suggested that the small, but significant finding for SNAP suggests more individuals may be aware of other public programs they are qualified for and receive access to these benefits because of this increased awareness.^{BB}

Impacts on Financial and Material Wellbeing, Including Poverty

Research has also shown that state expansions of Medicaid can impact nonmedical financial outcomes, including poverty, though the findings are slightly mixed. Aspects of financial wellbeing improved by Medicaid expansion include housing stability,^{P,T,RR} credit and bankruptcy,^{N,R,O} receipt of child support,^J and family poverty rates.^{CC} Other indicators of material and financial wellbeing such as nonmedical debt,^{F,G,N} nonmedical financial strain,^G and total household spending on food or housing^S had mixed results or were not associated with Medicaid expansion.

State expansions of Medicaid can improve housing stability by preventing or reducing the rate of evictions. A study of California's early Medicaid expansion found 24.5 fewer evictions per month in each county, with greater effects in counties that had above average rates of uninsured adults prior to expansion (51.5 fewer evictions per month).^P At the national level, Medicaid expansion was associated with an annual reduction of 1.15 evictions per 1,000 renters^T and reduced the eviction judgement rate by 0.25 fewer evictions per 100 households.^{RR}

Three studies found Medicaid expansion is associated with beneficial impacts on credit and credit-related outcomes. One study found a very small, but statistically significant, 0.1 percent increase in credit scores and a 2.8 percent reduction in the probability of a new personal bankruptcy filing as a result of Medicaid expansion.^N A study published in 2020 found that a 10 percentage point increase in the share of the low-income population with health insurance was associated with a reduction of 1.3 personal bankruptcy filings per 1,000 adults.^R Finally, California's early Medicaid expansion^{xv} was associated with an 11 percent decrease in the number of loans and a 10 percent decrease in the amount borrowed from payday storefronts after Medicaid expansion.^O

A study of child support found a 1.8 percentage point increase in payments (from the noncustodial parent to the custodial parent) in expansion states compared to nonexpansion states. The beneficial impacts are two-fold: they point to an increase in the number of parents who can afford to make their child support payments, and these payments are an important source of income for custodial parents with dependent children.^J

Finally, one study examined the antipoverty impact of Medicaid expansion because of a possible reduction in out-of-pocket spending for low-income adults. The national quasi-experimental study found that Medicaid expansion reduced the rate of poverty up to 1.4 percentage points.^{CC} Given causal evidence that the alleviation of childhood poverty leads to an improvement in children's wellbeing,²⁹ this is a promising finding.

^{xv} California entered into an agreement with the Obama administration to implement the ACA's Medicaid expansion in 2011 and 2012. The authors compared 43 California counties that expanded Medicaid early to 920 counties nationwide that did not do so, including four California counties that delayed expansion.^O

Sufficient Household Resources: Subgroup Findings by Race, Ethnicity, and Education

Two studies^{T,JJ} conducted subgroup analyses by race and education on the impact of Medicaid expansion. Neither study found that Medicaid expansion was associated with reducing racial disparities in eviction rates for Black adults or in increasing child support payments for non-White parents with lower levels of education.

Medicaid expansion was associated with a slight increase in evictions by 0.41 per 1,000 renters in counties with larger shares of Black residents.^T The detrimental impact, although small, shows an increase in housing instability associated with Medicaid expansion. Families with evictions are more likely to live in unsafe or inadequate housing arrangements, especially if the eviction notices appear on rental or credit histories.^T More research is needed to determine how Medicaid expansion impacts housing stability outcomes and to better understand this detrimental finding.

Additionally, the child support study found that Medicaid expansion had greater effects on those of higher educational levels and among White parents compared to non-White parents.^{JJ} The author conducted subgroup analyses comparing the rates of child support receipt pre- and post-Medicaid expansion to determine if the policy had stronger impacts on particular groups. Medicaid expansion was associated with a 3.7 percentage point increase in child support receipt for college-educated custodial parents, with null impacts for parents with a high school degree or less after Medicaid expansion. Stratified by race, child support receipt increased by 3.3 percentage points for non-Hispanic White custodial parents and 3.1 percentage points for Hispanic custodial parents from pre- to post-expansion. Medicaid expansion did not lead to increases in child support receipt for Asian or Black custodial parents.^{JJ} It is unclear why Medicaid expansion had differential impacts on child support receipt across race and educational attainment; additional research is needed to understand whether these results represent reductions in disparities.

More subgroup analyses by race and ethnicity are needed on how Medicaid expansion impacts the financial wellbeing of beneficiaries, given the limited findings available.

Healthy and Equitable Births

Medicaid expansion may improve birth outcomes because women of reproductive age are more likely to have health insurance coverage before and during pregnancy. Medicaid recipients have access to an array of health benefits during the preconception and interconception periods, such as prenatal care, preventive services, mental health services, and substance abuse treatments.¹ Better maternal health before and during pregnancy can lead to healthier birth outcomes.⁴⁶

Nine large, quasi-experimental studies (five national,^{E,V,GG,MM,ZZ} one in Massachusetts,^{W,xvi} one in Oregon,^{FF} and one in Arkansas and Texas^{AAA}) found no statistically significant impacts for infants of expanded income eligibility for health insurance on a reduction in rates of preterm birth,^{E,MM,UU} low

^{xvi} The study was on the Massachusetts health reform initiative in 2006. The policy provisions in the Affordable Care Act were designed similarly to the Massachusetts health reform initiative.^W

birthweight,^{W,UU,ZZ,AAA} size for gestational age,^{E,MM} NICU admissions,^{FF} or infant mortality^{V,W,FF,GG} compared to their counterparts in nonexpansion states.

In contrast, a national study found that Medicaid expansion led to a 0.43 percentage point decrease in preterm births and a 0.13 percentage point decrease in very low birthweight for non-Hispanic Black infants compared to White parents.^A An analysis of Oregon's Medicaid expansion supports the findings of the national study and found a 23 percent reduction in the likelihood of a preterm birth (<37 weeks gestation) and a 29 percent reduction in children born low birthweight after Medicaid expansion.^{FF} Additionally, a quasi-experimental study comparing outcomes in Arkansas to outcomes in Texas found that Medicaid expansion led to a 1.38 percentage point decrease in preterm births overall and a 2.04 percentage point decrease for White infants.^{AAA} Results of preterm births for Black and Hispanic infants were null.

Additionally, one study found a 0.26 reduction in the infant mortality rate per 1,000 live births in expansion states compared to nonexpansion states when the authors restricted the analysis to any states that had adopted the 2003 birth certificate form^{xvii} by 2011.^{GG} The 2003 birth certificate form modified questions on race and Hispanic origin and added reporting of multiple-race categories.²⁹ Using only the states that had adopted the birth certificate form likely improved the quality and accuracy of the data. Null impacts were found in the same study if the authors analyzed all expansion states compared to nonexpansion states regardless of the adoption of the more recent birth certificate form.^{GG,xviii}

Finally, Medicaid expansion can decrease maternal mortality rates.^{xix} Relative to nonexpansion states, expansion states had 7.01 fewer maternal deaths per 100,000 live births from the study period (2006 to 2017).^J The author hypothesized that the positive effects of Medicaid expansion might be attributable to women in expansion states having increased access to health insurance coverage and prenatal care in the preconception period. Further, the increase of women in expansion states with continuous Medicaid coverage in the postpartum period may help prevent and treat pregnancy-related complications past the 60 days of Medicaid coverage available to pregnancy-eligible women in nonexpansion states.^J

Healthy and Equitable Births: Subgroup Findings by Race and Ethnicity

Studies on the effect of Medicaid expansion on birth outcomes show this policy's potential to reduce disparities. A total of five studies^{W,A,V,GG,J} conducted subgroup analyses to evaluate differential effects of Medicaid expansion and found both beneficial and null impacts.

^{xvii} A new US birth certificate form was adopted in 2003, however, it was not uniformly implemented by all states until 2015.³⁰

^{xviii} Beneficial impacts were found only when the authors examined expansion states that adopted the 2003 birth certificate compared to the nonexpansion states that had adopted the 2003 birth certificate by 2011.^{GG}

^{xix} Maternal mortality rate refers to the death of a person while pregnant or within 42 days of the termination of the pregnancy.

Very Low Birthweight and Preterm Birth

The US national very low birthweight rate was 1.33 percent of all live births in 2024.⁵⁵ Rates by race and ethnicity show that the percentage of infants born very low birthweight were 0.99 percent, 1.23 percent, and 2.83 percent for all live births born to White, Hispanic, and Black women, respectively, in 2024.⁵⁵ A national study on Medicaid expansion compared infants born very low birthweight (<1,500 grams or 3 pounds 4 ounces) across expansion and nonexpansion states for Black and Hispanic infants relative to White infants. They found that Medicaid expansion led to a reduction in this outcome and that the reduction was 0.1 percentage points larger for Black infants compared to White infants. The authors found no statistically significant differences for Hispanic infants relative to White infants.^A A national study of American Indian/Alaskan Native women found no significant impact of Medicaid expansion on low birthweight rates.^{ZZ}

Similarly, a quasi-experimental study in Arkansas and Texas found no significant effect of Medicaid expansion on low birthweight rates for Black and Hispanic families.^{AAA} White families in the same quasi-experimental study experienced a significant 1.75 percentage point decrease in low birthweight rates.^{AAA} The national rate of infants born with very low birthweight is statistically unchanged from pre- to post-Medicaid expansion; in 2012, rates were 1.13, 1.22, and 2.94 percent for all infants born to White, Hispanic, and Black women.⁵² Given the small reduction in very low birthweight for just Black infants compared to White infants and the rates in the country overall, additional evidence is needed to conclude if Medicaid expansion reduces racial and ethnic disparities in very low birthweight rates.

The average US preterm birth rate among all live births was 10.41 percent in 2024 and was 9.49 percent for White infants, 10.07 percent for Hispanic infants, and 14.86 percent for Black infants.⁵⁵ A national study found that Medicaid expansion was linked to a reduction in preterm birth rates, and that the reduction was 0.4 percentage points larger for Black infants compared to White infants.^{A,xx} Medicaid expansion did not create statistically significant differences in preterm birth rates for Hispanic infants compared to White infants.^A Another study in Arkansas and Texas found no significant effect of Medicaid expansion on preterm births for Black and Hispanic infants.^{AAA} Comparatively, White infants had a significant 2.04 percentage point decrease in preterm births.^{AAA} The average US preterm birth rate was 11.55 percent of all live births in 2012 and has decreased post-Medicaid expansion; in 2012, the preterm birth rates were 10.29, 11.58, and 16.53 percent for White, Hispanic, and Black infants, respectively.⁵² This finding provides some evidence that Medicaid expansion may reduce racial and ethnic disparities in preterm birth rates but further research is needed to make a strong conclusion.

One study, a statewide analysis of the 2006 Massachusetts health insurance reform, found that Medicaid expansion resulted in no differential impacts across racial groups in rates of preterm birth and low birthweight.^W The study used the oldest data of the five studies—state-level data from 2001 to 2012—and compared birth outcomes in Massachusetts to those in Maine, New Hampshire, Vermont, and Rhode Island, which had not increased income eligibility for Medicaid.^W

^{xx} Several studies in the Healthy and Equitable Births section compare adverse birth outcomes among groups (e.g., Black infants) compared to White infants. The Evidence Review follows the language used by study authors and is not concluding that White individuals should be the comparison group.

Infant Mortality

Medicaid expansion has mixed impacts on reducing infant mortality. In 2024, infant mortality was 5.52 deaths per 1,000 live births. Stratified by race and ethnicity, the infant mortality rates were 4.41, 10.98, 9.2, 3.72, 7.9, and 4.88 deaths per 1,000 births for infants born to White, Black, American Indian or Alaska Native, Asian, Native Hawaiian or other Pacific Islander, and Hispanic women, respectively.^{xxi,31} One study examined the differential impacts of Medicaid expansion on infant mortality rates among White and Black infants across expansion and nonexpansion states. Medicaid expansion was associated with a reduction of 0.29 per 1,000 live births for infants born to White mothers in expansion states relative to nonexpansion states. The authors did not find statistically significant results when testing whether Medicaid expansion reduces infant mortality rates for Black infants.^{xxii,GG} This study did not provide causal evidence that Medicaid expansion reduces racial and ethnic disparities in adverse birth outcomes.

In contrast, another national study examined the differential impacts of Medicaid expansion on the infant mortality rate across racial and ethnic groups. Medicaid expansion led to a statistically significant decrease of 0.53 infant deaths per 1,000 live births among Hispanic infants in expansion states relative to their nonexpansion state counterparts. The authors did not find a statistically significant difference in the infant mortality rate among non-Hispanic Black and White infants in expansion compared to nonexpansion states.^V This study provides some evidence that Medicaid expansion may reduce disparities in adverse birth outcomes by narrowing the gap in the infant mortality rate for Hispanic compared to White infants. The national infant mortality rate in 2012 was 5.98 deaths per 1,000 live births. Disaggregated by race, infant mortality rates were 11.19, 5.11, and 5.04 for infants born to Black, White, and Hispanic mothers, respectively, in 2012. Given national trends of decreasing infant mortality rates for racial subgroups³¹ and the mixed results across all the included studies, more research is needed on the potential for Medicaid expansion to reduce gaps for all individuals across races and ethnicities.

The two aforementioned national studies^{V,GG} that examined the impact of Medicaid expansion on infant mortality rates did not report the same numbers of infant deaths because the studies used different samples. Both studies analyzed data collected between 2011 and 2017 from the Centers for Disease Control and Prevention (CDC). One study^{GG} ran analyses of states that had not adopted the 2003 birth certificate, which restricted the sample to 17 expansion and 11 nonexpansion states compared to 24 and 12 states, respectively. When the authors included all 36 states regardless of the adoption of the birth certificate reform, they did not find that Medicaid expansion led to statistically significant findings for White or Black infants relative to their nonexpansion counterparts.^{GG} In contrast, the other study had a sample of 26 expansion and 19 nonexpansion states and found a slight decrease in the infant mortality rate for Hispanic infants in expansion states compared to their counterparts in nonexpansion states.^V

^{xxi} The national infant mortality rate in 2012 (the year Medicaid expansion was first available) was 5.98 deaths per 1,000 live births. Disaggregated by race, infant mortality rates were 4.06, 5.04, 5.11, 8.40, and 11.19 deaths per 1,000 births for infants born to Asian or Pacific Islander, White, Hispanic, American Indian or Alaska native, and Black women, respectively.

^{xxii} Significant impacts only found in the analysis inclusive of states that expanded Medicaid and had adopted the 2003 US birth certificate by 2011.

Medicaid expansion has mixed effects on birth outcomes, but many studies found no differential impacts across racial and ethnic groups. Medicaid expansion may reduce disparities between Black and White infants in very low birthweight and preterm birth rates^A and can also decrease infant mortality rates for White and Hispanic infants relative to their nonexpansion counterparts.^{V,GG} Additionally, the statewide analysis of the 2006 Massachusetts health insurance reform found null effects for White, Black, Hispanic, and Other/non-Hispanic^{xxiii} infants for rates of preterm birth, low birthweight, and infant mortality.^W

Maternal Mortality

One study provides evidence that Medicaid expansion may reduce the maternal mortality rates for Black and Hispanic women when compared to Black and Hispanic women in nonexpansion states. The maternal mortality rate nationwide fluctuates over time, with high spikes during the COVID-19 pandemic although rates decreased after the pandemic ended. Despite recent decreases in maternal mortality rates, racial disparities for Black women continue to worsen with time. When Medicaid expansion through the ACA became available in 2012, the maternal mortality rate in the United States was 19.9 deaths per 100,000 live births with limited states tracking maternal deaths in detail.³² Comparatively, the maternal mortality rate was 32.9 deaths per 100,000 live births in 2021³³ and dropped to 17.9 by 2024.³⁴ Additional data collection in recent years gives insight to the worsening disparities in maternal mortality rates. The maternal mortality rate for White, Hispanic, and Black women 2024 was 14.2, 12.1, and 44.8 deaths, respectively, per 100,000 live births, highlighting a drastic disparity for Black women.³⁴ Medicaid expansion can lessen disparities and rates of maternal mortality within expansion states, but the national rate will likely be unaffected until all states have expanded Medicaid and more state efforts are made to improve maternal health.

A study of maternal mortality found the positive effects of Medicaid expansion were greatest among non-Hispanic Black mothers. The author reported a reduction of 16.3 maternal deaths per 100,000 live births among Black mothers in expansion states relative to their counterparts in nonexpansion states over the course of 5 years post-expansion.^J Medicaid expansion was also linked to 6 fewer Hispanic maternal deaths per 100,000 live births relative to their nonexpansion counterparts, but there were no significant differences for White mothers. This study suggests that Medicaid expansion reduces disparities in maternal mortality for women of color, but more evidence is needed to fully assess the potential of Medicaid expansion to close gaps in maternal mortality for women of all races and ethnicities.

Parental Health and Emotional Wellbeing

Two interconnected theoretical pathways support Medicaid expansion having the potential to impact parental health and emotional wellbeing. First, Medicaid expansion may reduce cost barriers to care, which then increases parents' ability to seek preventative and routine health care services. Secondly, the increase in health care use may then lead to better health outcomes for parents. Researchers have suggested that Medicaid expansion may be particularly important for individuals with low incomes and chronic health conditions because they require routine medical care and medicine adherence.⁴⁹ Evidence from strong causal studies suggests that Medicaid expansion may

^{xxiii} The authors did not write out the races or ethnicities included in the Other/Non-Hispanic group.^W

increase parental mental health and wellbeing and improve medication usage. Outcomes related to parental physical health are not statistically significant.

Three studies on parental health found that Medicaid expansion increases the intake of prenatal vitamins, folic acid, blood pressure medicine, and insulin.^{D,AA,H} A quasi-experimental study of Ohio's expansion of Medicaid found a 4.1 percentage point increase in the use of prenatal vitamins among all mothers and a 13.6 percentage point increase among first-time mothers.^D Additionally, Medicaid expansion led to a 1.9 percentage point increase in folic acid intake during pregnancy (folic acid may prevent neural tube defects among infants).^{AA,36,37} A study of women of reproductive age found that Medicaid expansion led to a 7.9 percentage point increase in the use of blood pressure medicine, and an 11.4 percentage point increase in the use of insulin for those who need medication.^H

Three strong causal studies included in this review examined the impact of Medicaid expansion on the mental health of parents and found mixed results.^{H,L,LL} Medicaid expansion through the ACA stipulated that health insurance plans include mental health and substance use disorder services as essential health benefits, which may improve the mental health of low-income adults.⁵⁰ If the Medicaid income eligibility threshold increased by 100 percentage points (e.g., from 100% to 200% of the FPL), the likelihood of severe psychological distress^{xxiv} decreased by 10.9 percentage points among parents, although no reductions in moderate psychological distress were found.^L One study found mothers who delivered their children in a state with Medicaid expansion were less likely to experience postpartum depressive symptoms.^{LL} Another national study did not find that Medicaid expansion was associated with reductions in psychological distress.^H Furthermore, a national study of parents with low incomes found that Medicaid expansion decreased reports of poor mental health days in the last month by 2.4 percentage points.^{CCC}

Medicaid expansion did not have a significant effect on the diagnosis of chronic disease or the likelihood of certain health behaviors, such as smoking,^{H,AA,UU} drinking,^H recommended physical activity,^{AA} or Tdap and flu vaccination rates.^{DDD} Although Medicaid expansion was not associated with the aforementioned health behaviors, the indicators are relevant from a public health standpoint because both are related to a higher risk of chronic diseases including certain types of cancer.⁵¹ Medicaid expansion was not associated with changes in diabetes,^{H,AA,MM,UU} hypertension,^{H,AA,MM,UU,ZZ} high cholesterol,^H eclampsia/preeclampsia,^{MM,TT} postpartum hospitalization,^{SS} and unwanted pregnancy among new mothers.^{xxv,AA} Medicaid expansion had null effects on improvements in self-reported health among both fathers and mothers^L and in self-reported physical health of parents with low incomes.^{CCC}

More evidence is needed to understand how the increase in health insurance coverage from Medicaid expansion may lead to changes in health outcomes for parents, given the mostly null findings in this goal.

^{xxiv} Severe psychological distress scores are scores of 13 or more on the Kessler K6 Psychological Distress Scale.

^{xxv} The CDC noted that individuals with unwanted pregnancies may be more likely to delay health care or may be engaging in risky behaviors during conception.³⁷

Nurturing and Responsive Child-Parent Relationships

Only one strong causal study analyzed outcomes related to nurturing and responsive child-parent relationships. A study that relied on data from the American Time Use Survey found time spent with children by parents in expansion states increased by 6.63 minutes per day.^{OO} These effects were significant at a $p < 0.10$ level which does not meet our standards for beneficial impact and are therefore listed as null in the Evidence of Effectiveness table. Scholars expected time use patterns to change because parental stress is decreased by accessible health insurance. More research is needed to explore the effect of Medicaid expansion on child-parent relationships.

Optimal Child Health and Development

Evidence shows Medicaid expansion has mixed results on optimal child health and development. Beneficial effects were found in decreasing neglect rates for children in expansion states. Two strong causal studies found Medicaid expansion led to 422 fewer reported cases of neglect to Child Protective Services per 100,000 children under age 6^U and a reduction in the rate of first-time neglect reports for children under age 5.^{NN} It is predicted that rates of maltreatment may decline as a result of Medicaid expansion because families' financial wellbeing and access to health care services increases.^{NN}

Although Medicaid expansion had strong positive effects on neglect rates, null results were found on physical abuse rates for young children^{U, NN} and sexual abuse rates for children under age 5.^{HH} One possible explanation for the decline in neglect reports and not other forms of maltreatment is the close connection between child neglect and poverty.

One national study observed the effect of Medicaid expansion on breastfeeding initiation and duration but did not find an overall significant effect.^{UU} In subgroup analysis, White individuals experienced a small significant increase in the likelihood of attempting to breastfeed and Hispanic individuals had a small significant increase in the likelihood of breastfeeding after 1 month postpartum, but the results did not withstand multiple hypothesis testing. Authors theorize that other healthcare-related access barriers and lack of respectful maternity care may be the cause of the null results. More research is needed on Medicaid expansion and health and development outcomes during the early childhood period.

Is There Evidence That Medicaid Expansion Reduces Disparities?

Current evidence suggests that Medicaid expansion may be an effective policy for reducing disparities in maternal mortality among Hispanic and Black women, but may not reduce gaps in infant mortality, preterm birth, or low birthweight. Only 11 of the 58 strong causal studies include subgroup analyses based on race and ethnicity. Simply controlling for race and ethnicity without conducting further analyses does not allow for an evaluation of the differential impact of Medicaid expansion across groups. None of the studies that demonstrated impacts on optimal child health and development^U or parental health and emotional wellbeing^{D, H, L, AA} disaggregated findings based on race and ethnicity. Thus, the assessment of Medicaid expansion's impact across race and ethnicity was limited to one quarter of all included studies.

Medicaid expansion narrowed racial/ethnic disparities in both uninsurance rates and Medicaid coverage rates, although inconsistently among race and ethnic groups. A national study found reductions in uninsurance in expansion states, ranging from a 13.6 percentage point reduction in uninsurance rates among American Indian and Alaska Native new mothers and a 7.0 percentage point reduction for multiracial new mothers, as a result of the Medicaid income eligibility threshold rising by 100 percentage points.^{DD} The same study found that a 100 percentage point increase in the Medicaid income eligibility threshold for parents increased Medicaid coverage rates for White, Hispanic, and Black mothers, but was null for other races (e.g., Asian mothers).^{DD} These findings are consistent with KFF uninsurance rates reported previously which show reductions in uninsurance after Medicaid expansion. For example, the uninsurance rates for American Indians and Alaska Native nonelderly adults decreased from 32.6 percent in 2010 to 21.7 percent in 2019, compared to 13.1 percent to 7.8 percent for White nonelderly adults from 2010 to 2019. Disparities have narrowed but still persist.

One study of Oregon's Medicaid expansion on timely and adequate prenatal care found beneficial increases for both non-Hispanic and Hispanic women with greater effects for Hispanic women.^{EE} More expansive research is needed because the study only focused on one state's Medicaid expansion population, and the population of Oregon is predominantly White.^{EE}

Two studies examined differential impacts of Medicaid expansion based on race and ethnicity for financial and material wellbeing indicators. Both studies did not find Medicaid expansion associated with closing gaps in this indicator.^{T,JJ} Medicaid expansion led to a slight increase in evictions in counties with higher shares of Black residents.^T Medicaid expansion was associated with larger effects of child support receipt for White custodial parents and custodial parents with higher educational levels.^{JJ} The research is limited, in part, because large national databases of financial measures, such as credit scores or payday borrowing, do not include individual-level information on race.^{N,O} Additional research may provide more information on the differential impacts across race and ethnicity for indicators related financial wellbeing.

Most of the studies that provide subgroup findings by race and ethnicity are related to adverse birth outcomes and the results are mixed. Medicaid expansion reduces racial disparities in infant mortality rates between Hispanic infants^V and White infants^{GG} relative to their nonexpansion counterparts. Medicaid expansion is also associated with larger reductions in racial disparities in the rates of preterm births and very low birthweight among Black infants compared to White infants.^A Medicaid expansion narrowed the disparity in the maternal mortality rate for Hispanic and Black mothers and was nonsignificant among White mothers.^J Two studies found no statistically significant findings attributable to Medicaid expansion on adverse birth outcomes,^{E,W} and three other studies only found decreases for one subgroup.^{A,V,GG} Given that racial disparities continue in adverse birth outcomes across these five studies, more research should examine how Medicaid expansion addresses inequality.

Finally, Medicaid expansion under the ACA requires lawfully-present immigrants to wait an additional five years to enroll in Medicaid coverage, although some states have extended benefits to noncitizens through state funds.¹⁷ Most of the strong causal studies are inclusive of citizens at or below 138 percent of the FPL. Restrictions on citizenship status and access to health insurance have

resulted in nonelderly Hispanic residents being more likely not to have access to health insurance.¹⁷ More research is needed on how Medicaid expansion may impact individuals differently based on citizenship status. Finally, the evidence base should be extended to include subgroup analyses of Medicaid expansion across all eight prenatal-to-3 policy goals to determine its full potential to reduce disparities across all races and ethnicities.

Has the Return on Investment for Medicaid Expansion Been Studied?

Evidence included in this review shows that state expansions of Medicaid have improved the financial wellbeing of low-income individuals and families. Cost savings may occur as the expansion population increases access to health insurance and health care services. For example, an assessment of Ohio's Medicaid expansion found that uninsurance rates were at an all-time low before expansion and access to care improved by over 64 percent.³⁹ Medicaid enrollees ages 19 to 64 reported reductions in emergency room visits, severe obesity rates, and medical debt. The cost of the state expansion compared to the savings associated with the improved health of residents was not calculated.³⁹

States' decisions to adopt Medicaid expansion also impact hospital finances because hospitals are responsible for paying unpaid medical bills from health care services. If low-income, uninsured patients cannot pay those bills, hospitals must incur the costs. In nonexpansion states, individuals with low incomes are more likely to be uninsured compared to individuals with low incomes in expansion states;¹⁷ if states reduce the number of uninsured residents by expanding the income eligibility for health insurance, it will boost the revenue streams for hospitals.³⁷ For instance, Louisiana's Medicaid expansion led to a 55 percent decline in uncompensated care from the average pre-expansion uncompensated care costs in rural hospitals. Medicaid expansion led to a smaller, but significant, 31 percent reduction in uncompensated care in urban hospitals.⁴¹

What Do We Know, and What Do We Not Know?

Research on expanded income eligibility for health insurance has largely focused on state expansions of Medicaid, both before and through the passage of the ACA. The evidence indicates that state expansions of Medicaid income eligibility have positive impacts on outcomes related to access to needed health services and families' economic security. The evidence also suggests that Medicaid expansion can lead to improvements in birth outcomes, including reduced infant mortality and low birthweight, but the findings are mixed across the strong causal studies. Studies reported mostly null impacts on perinatal physical and emotional wellbeing and optimal child health and development outcomes.

Less is known about other policies and strategies to increase access to health insurance beyond Medicaid expansion through the ACA. Increasingly, states have introduced legislation on the adoption and implementation of public options or state-run health insurance plans. According to the Commonwealth Fund, states can implement a state-run health insurance plan that is similar to the federal Marketplace, but only available to state residents, to increase the affordability of health insurance.⁴⁷ Washington was the first state to implement a state-run option, Cascade Care, in 2021. Colorado, Connecticut, Oregon, Minnesota, and Nevada have introduced legislation previously to

study or implement state-based options.⁴⁵ As research is conducted on the impact of these policies on accessibility and affordability of health insurance, the potential causal impact can be evaluated.

As a result of the COVID-19 public health emergency, additional policies were put in place that expanded access to Medicaid through increased income eligibility. The Families First Coronavirus Response Act (FFCRA) created continuous Medicaid coverage for beneficiaries by prohibiting states from disenrolling beneficiaries during the public health emergency. It is estimated that enrollment increased by 13 million people from February 2020 to July 2021, likely because of the policy that allowed families to stay enrolled in Medicaid even as their incomes rose above previously set limits.⁵⁶ Emerging research suggests that states with high uninsurance rates during the Medicaid continuous coverage pandemic era experienced significantly lower hospitalization rates for new mothers 61 to 180 days postpartum.⁶³

The unwinding of the public health emergency created large numbers of disenrollment from Medicaid and highlighted administrative burden within the enrollment system. KFF estimates as of September 2024, over 25 million individuals were disenrolled from Medicaid because of unwinding.⁴² Approximately 69 percent of individuals disenrolled lost coverage because of procedural reasons. Procedural disenrollment can occur from outdated individual contact information used by the state, an individual not completing the renewal process within the given timeframe, or confusion around the renewal process. More research is needed to determine if the policies created during the public health emergency led to additional benefits and how the unwinding process effects prenatal-to-3 outcomes.

Although outside the scope of this review, the extension of Medicaid to postpartum people beyond 60 days may have significant implications to the prenatal-to-3 period. Following the state option first included in the American Rescue Plan Act (ARPA) and then made permanent in the 2023 Consolidated Appropriations Act (CAA), states can extend Medicaid to 12 months postpartum through state plan amendments, Section 1115 waivers, or passing legislation.⁶⁰ If states provide postpartum coverage through the Children's Health Insurance Program (CHIP), the state option would need to include coverage through CHIP as well. If Medicaid is extended to 12 months postpartum, especially in nonexpansion states, there will likely be a reduction in low-income mothers who do not have health insurance because pregnancy Medicaid income eligibility is higher than eligibility for other parents.^{43,44} Studies of states with postpartum extensions will be able to isolate the effects of postpartum extension.

Finally, new changes to Medicaid laws at the federal level as an attempt to cut federal spending under the Trump administration will make policy changes that need to be observed and studied. The One Big Beautiful Bill Act (OBBBA), is projected to reduce Medicaid spending by more than \$1 trillion over the following decade.⁶¹ Major policy changes include restrictions on provider taxes, mandatory work requirements, elimination of eligibility for most lawfully present immigrants, and additional administrative barriers to coverage.

Estimates on the full impact of work requirements are limited, however, emerging research indicates that implementing work requirements does not increase employment and decreases rates of Medicaid and health insurance coverage.⁶² One study of Arkansas's temporary work requirement

program found a 19 percent increase in uninsurance rates, a 12 percent decrease in Medicaid coverage, and no significant impact on employment rates or employer-sponsored insurance rates.⁶⁴ A similar study of Georgia's Pathways to Coverage program found an 11.7 percent decrease in Medicaid coverage and no significant impact on uninsurance and employment rates.⁶⁵ More studies will be needed to understand the effects on disenrollment and coverage rates and further research will also be needed to track the effects of administrative barriers, decreased eligibility, and stress on state Medicaid funding. It is likely that the decrease in federal funding and increase in barriers to coverage will increase the number of uninsured individuals by at least 10 million by 2034.⁶¹ These uninsured individuals will likely experience a decrease in access to health care and experience worsening health and financial outcomes for themselves and their families.

Additional research on strategies for increasing health insurance coverage such as postpartum Medicaid extension and barriers to Medicaid coverage created by the federal government can increase knowledge of the full extent of expanded eligibility of health insurance on prenatal-to-3 goals. Further research on the long-term impacts of state Medicaid expansion will also be beneficial to draw causal links in outcomes pertinent to the prenatal-to-3 period. Additionally, some studies included in this review examined the Medicaid expansion for only one state over the course of several years rather than assessing the impact of Medicaid expansion across a diverse sample of states. The findings of these studies may not be generalizable to other states. As other states expand Medicaid and more time has passed since implementation and adoption, more evidence will be available for analysis.

Is Medicaid Expansion an Effective Policy for Improving Prenatal-to-3 Outcomes?

Evidence shows that expanding the Medicaid income eligibility threshold to include most adults with incomes at or below 138 percent of the FPL is an effective policy for increasing access to needed health care services, by increasing Medicaid coverage and reducing in uninsurance rates. Medicaid expansion improves the financial wellbeing of parents by reducing cost barriers to health care and catastrophic medical expenditures, among other indicators which increase household resources. Finally, Medicaid expansion reduces adverse birth outcomes and there is some evidence that Medicaid expansion may reduce disparities between groups, as well.

How Did We Reach Our Conclusions?

Method of Review

This evidence review began with a broad search of all literature related to the policy and its impacts on child and family wellbeing during the prenatal-to-3 period. First, we identified and collected relevant peer-reviewed academic studies as well as research briefs, government reports, and working papers, using predefined search parameters, keywords, and trusted search engines. From this large body of work, we then singled out for more careful review those studies that endeavored to identify causal links between the policy and our outcomes of interest, taking into consideration characteristics such as the research designs put in place, the analytic methods used, and the relevance of the populations and outcomes studied. We then subjected this literature to an in-depth critique and chose only the most methodologically rigorous research to inform our conclusions about policy effectiveness. All studies considered to date for this review were released

on or before February 28, 2026. This evidence review was first published in 2020 and is updated on a recurring basis.

Standards of Strong Causal Evidence

When conducting a policy review, we consider only the strongest studies to be part of the evidence base for accurately assessing policy effectiveness. A strong study has a sufficiently large, representative sample, has been subjected to methodologically rigorous analyses, and has a well-executed research design allowing for causal inference—in other words, it demonstrates that changes in the outcome of interest were likely caused by the policy being studied.

The study design considered most reliable for establishing causality is a randomized controlled trial (RCT), an approach in which an intervention is applied to a randomly assigned subset of people. This approach is rare in policy evaluation because policies typically affect entire populations; application of a policy only to a subset of people is ethically and logistically prohibitive under most circumstances. However, when available, RCTs are an integral part of a policy's evidence base and an invaluable resource for understanding policy effectiveness.

The strongest designs typically used for studying policy impacts are quasi-experimental designs (QEDs) and longitudinal studies with adequate controls for internal validity (for example, using statistical methods to ensure that the policy, rather than some other variable, is the most likely cause of any changes in the outcomes of interest). Our conclusions are informed largely by these types of studies, which employ sophisticated techniques to identify causal relationships between policies and outcomes. Rigorous meta-analyses with a sufficient number of studies, when available, also inform our conclusions.

Studies That Meet Standards of Strong Causal Evidence

- A. Brown, C. C., Moore, J. E., Felix, H. C., Stewart, M. K., Bird, T. M., Lowery, C. L., & Tilford, J. M. (2019). Association of state Medicaid expansion status with low birth weight and preterm birth. *JAMA*, 321(16), 1598–1609. <https://doi.org/10.1001/jama.2019.3678>
- B. Clapp, M. A., James, K. E., Kaimal, A. J., & Daw, J. R. (2018). Preconception coverage before and after the Affordable Care Act Medicaid expansions. *Obstetrics & Gynecology*, 132(6), 1394–1400. <https://doi.org/10.1097/AOG.0000000000002972>
- C. Johnston, E. M., Strahan, A. E., Joski, P., Dunlop, A. L., & Adams, E. K. (2018). Impacts of the Affordable Care Act's Medicaid expansion on women of reproductive age: Differences by parental status and state policies. *Women's Health Issues*, 28(2), 122–129. <https://doi.org/10.1016/j.whi.2017.11.005>
- D. Adams, E. K., Dunlop, A. L., Strahan, A. E., Joski, P., Applegate, M., & Sierra, E. (2018). Prepregnancy insurance and timely prenatal care for Medicaid births: Before and after the Affordable Care Act in Ohio. *Journal of Women's Health*, 28(5), 654–664. <https://doi.org/10.1089/jwh.2017.6871>
- E. Clapp, M. A., James, K. E., Kaimal, A. J., Sommers, B. D., & Daw, J. R. (2019). Association of Medicaid expansion with coverage and access to care for pregnant women. *Obstetrics & Gynecology*, 134(5), 1066–1074. <https://doi.org/10.1097/AOG.0000000000003501>
- F. Baicker, K., Taubman, S. L., Allen, H. L., Bernstein, M., Gruber, J. H., Newhouse, J. P., Schneider, E. C., Wright, B. J., Zaslavsky, A. M., & Finkelstein, A. N. (2013). The Oregon experiment — Effects of Medicaid on clinical outcomes. *New England Journal of Medicine*, 368(18), 1713–1722. <https://doi.org/10.1056/NEJMsa1212321>
- G. Finkelstein, A., Taubman, S., Wright, B., Bernstein, M., Gruber, J., Newhouse, J. P., Allen, H., Baicker, K., & Oregon Health Study Group. (2012). The Oregon health insurance experiment: Evidence from the first year. *The Quarterly Journal of Economics*, 127(3), 1057–1106. <https://doi.org/10.1093/qje/qjs020>

- H. Margerison, C. E., MacCallum, C. L., Chen, J., Zamani-Hank, Y., & Kaestner, R. (2020). Impacts of Medicaid expansion on health among women of reproductive age. *American Journal of Preventive Medicine*, 58(1), 1–11. <https://doi.org/10.1016/j.amepre.2019.08.019>
- I. Gordon, S. H., Sommers, B. D., Wilson, I. B., & Trivedi, A. N. (2020). Effects of Medicaid expansion on postpartum coverage and outpatient utilization. *Health Affairs*, 39(1), 77–84. <https://doi.org/10.1377/hlthaff.2019.00547>
- J. Eliason, E. L. (2020). Adoption of Medicaid expansion is associated with lower maternal mortality. *Women's Health Issues*, 30(3), 147–152. <https://doi.org/10.1016/j.whi.2020.01.005>
- K. Miller, S., & Wherry, L. R. (2019). Four years later: Insurance coverage and access to care continue to diverge between ACA Medicaid expansion and nonexpansion states. *AEA Papers and Proceedings*, 109, 327–333. <https://doi.org/10.1257/pandp.20191046>
- L. McMorro, S., Gates, J. A., Long, S. K., & Kenney, G. M. (2017). Medicaid expansion increased coverage, improved affordability, and reduced psychological distress for low-income parents. *Health Affairs*, 36(5), 808–818. <http://dx.doi.org.ezproxy.lib.utexas.edu/10.1377/hlthaff.2016.1650>
- M. Abramowitz, J. (2020). The effect of ACA state Medicaid expansions on medical out-of-pocket expenditures. *Medical Care Research and Review*, 77(1), 19–33. <https://doi.org/10.1177/1077558718768895>
- N. Caswell, K. J., & Waidmann, T. A. (2019). The Affordable Care Act Medicaid expansions and personal finance. *Medical Care Research and Review*, 76(5), 538–571. <https://doi.org/10.1177/1077558717725164>
- O. Allen, H., Swanson, A., Wang, J., & Gross, T. (2017). Early Medicaid expansion associated with reduced payday borrowing in California. *Health Affairs*, 36(10), 1769–1776. <https://doi.org/10.1377/hlthaff.2017.0369>
- P. Allen, H. L., Eliason, E., Zewde, N., & Gross, T. (2019). Can Medicaid expansion prevent housing evictions? *Health Affairs*, 38(9), 1451–1457. <https://doi.org/10.1377/hlthaff.2018.05071>
- Q. Golberstein, E., Gonzales, G., & Sommers, B. D. (2015). California's early ACA expansion increased coverage and reduced out-of-pocket spending for the state's low-income population. *Health Affairs*, 34(10), 1688–1694. <https://doi.org/10.1377/hlthaff.2015.0290>
- R. Kuroki, M. (2020). The effect of health insurance coverage on personal bankruptcy: Evidence from the Medicaid expansion. *Review of Economics of the Household*, 00, 1–23. doi:10.1007/s11150-020-09492-0
- S. Levy, H., Buchmueller, T., & Nikpay, S. (2019). The impact of Medicaid expansion on household consumption. *Eastern Economic Journal*, 45(1), 34–57. <https://doi.org/10.1057/s41302-018-0124-7>
- T. Zewde, N., Eliason, E., Allen, H., & Gross, T. (2019). The effects of the ACA Medicaid expansion on nationwide home evictions and eviction-court initiations: United States, 2000–2016. *American Journal of Public Health*, 109(10), 1379–1383. <https://doi.org/10.2105/AJPH.2019.305230>
- U. Brown, E. C. B., Garrison, M. M., Bao, H., Qu, P., Jenny, C., & Rowhani-Rahbar, A. (2019). Assessment of rates of child maltreatment in states with Medicaid expansion vs states without Medicaid expansion. *JAMA Network Open*, 2(6), e195529–e195529. <https://doi.org/10.1001/jamanetworkopen.2019.5529>
- V. Wiggins, A., Karaye, I. M., & Horney, J. A. (2020). Medicaid expansion and infant mortality, revisited: A difference-in-differences analysis. *Health Services Research*, 55(3), 393–398. 6). <https://doi.org/10.1111/1475-6773.13286>
- W. Boudreaux, M. H., Dagher, R. K., & Lorch, S. A. (2018). The association of health reform and infant health: Evidence from Massachusetts. *Health Services Research*, 53(4), 2406–2425. 425. <https://doi.org/10.1111/1475-6773.12779>
- X. Daw, J.R., Winkelman, T.N.A., Dalton, V.K., Kozhimannil, K.B., & Admon, L.K. (2020). Medicaid expansion improved perinatal insurance continuity for low-income women: Study examines the impact of state Medicaid expansions on continuity of insurance coverage for low-income women across three time points: preconception, delivery, and postpartum. *Health Affairs*, 39(9), 1531–1539. doi:10.1377/hlthaff.2019.01835
- Y. Hudson, J.L. & Asako S. Moriya (2017). Medicaid expansion for adults had measurable 'welcome mat' effects on their children. *Health Affairs*, 36(9), 1643–1651. doi:10.1377/hlthaff.2017.0347
- Z. Dunlop, A.L., Joski, P., Strahan, A.E., Sierra, E., & Adams, E. (2020). Postpartum Medicaid coverage and contraceptive use before and after Ohio's Medicaid expansion under the Affordable Care Act. *Women's Health Issues*, 30(6), 426–435. <https://doi.org/10.1016/j.whi.2020.08.006>
- AA. Myerson, R., Crawford, S., & Wherry, L.R. (2020). Medicaid expansion increased preconception health counseling, folic acid, and postpartum contraception. *Health Affairs*, 39(11), 1883–1890. doi:10.1377/hlthaff.2020.00106
- BB. Schmidt, L., Shore, L., & Sheppard, T.W. (2019). The impact of expanding public health insurance on safety net program participation: Evidence from the ACA Medicaid expansion. NBER Working Paper 26504
- CC. Zewde, N., & Wimer, C. (2019). Antipoverty impact of Medicaid growing with state expansions over time. *Health Affairs*, 38(1), 132–138. doi:10.1377/hlthaff.2018.05155

- DD. Johnston, E.M., McMorrow S, Thomas, T.W., & Kenney, G.M. (2020). ACA Medicaid expansion and insurance coverage among new mothers living in poverty. *Pediatrics*, 145(5), e20193178. <https://doi-org.ezproxy.lib.utexas.edu/10.1542/peds.2019-3178>
- EE. Harvey, S. M., Oakley, L.P., Gibbs, S.E., Mahakalanda, S., Luck, J., & Yoon, J. (2021). Impact of Medicaid expansion in Oregon on access to prenatal care. *Preventive Medicine*, 143, p.106360-106360. <https://doi.org/10.1016/j.ypmed.2020.106360>
- FF. Harvey, S. M., Oakley, L.P., Gibbs, S.E., Oakley, L., Luck, J., & Yoon, J. (2020). Medicaid expansion and neonatal outcomes in Oregon. *Journal of Evaluation in Clinical Practice*, 00, 1-8. <https://doi-org.ezproxy.lib.utexas.edu/10.1111/jep.13524>
- GG. Cook, A., & Stype, A. (2021). Medicaid expansion and infant mortality: the (questionable) impact of the Affordable Care Act. *Journal of Epidemiology and Community Health*, 75, 10-15. doi:10.1136/jech-2019-213666
- HH. Assini-Meytin, L.C., Nair, R., McGinty, E.B., Stuart, E.A., & Letourneau, E.J. (2022). Is the Affordable Care Act Medicaid expansion associated with reported incidents of child sexual abuse? *Child Maltreatment*. <https://doi.org/10.1177/10775595221079605>
- II. Lyu, W., & Wehby, G.L. (2021). Heterogeneous effects of Affordable Care Act Medicaid expansions among women with dependent children by state-level pre-expansion eligibility. *Journal of Women's Health*, 00, 1-10. <https://doi-org.ezproxy.lib.utexas.edu/10.1089/jwh.2020.8776>
- JJ. Bullinger, L.R. (2020). Child support and the Affordable Care Act's Medicaid expansions. *Journal of Policy Analysis and Management*, 40(1), 42-77. <https://doi-org.ezproxy.lib.utexas.edu/10.1002/pam.22238>
- KK. Gotanda, H., Jha, A.K, Kominski, G.F., & Tsugawa, Y. (2020). Out-of-pocket spending and financial burden among low income adults after Medicaid expansions in the United States: Quasi-experimental difference-in-difference study. *BMJ*, 368, m40. <https://doi-org.ezproxy.lib.utexas.edu/10.1136/bmj.m40>
- LL. Austin, E.A., Sokol, R.L., & Rowland, C. (2022). Medicaid expansion and postpartum depressive symptoms: evidence from the 2009-2018 Pregnancy Risk Assessment Monitoring System survey. *Annals of Epidemiology*. <https://doi-org.ezproxy.lib.utexas.edu/10.1136/bmj.m40>
- MM. Margerison, C.E., Kaestner, R., Chen, J., & Mac-Callum-Bridges, C. (2021). Impacts of Medicaid expansion before conception on prepregnancy health, pregnancy health, and outcomes. *American Journal of Epidemiology*. <https://doi.org/10.1093/aje/kwaa289>
- NN. McGinty, E.E., Nair, R., Assini-Meytin, L.C., Stuart, E.A., Letourneau, E.J. (2022). Impact of Medicaid expansion on reported incidents of child neglect and physical abuse. *American Journal of Preventive Medicine*. <https://doi.org/10.1016/j.amepre.2021.06.010>
- OO. Soni, A. & Morrissey, T. (2021). The effects of Medicaid expansion on home production and childcare. *Southern Economic Journal*. <https://doi.org/10.1002/soej.12554>
- PP. Lombardi, C. M., Bullinger, L. R., & Gopalan, M. (2022). Better Late Than Never: Effects of Late ACA Medicaid Expansions for Parents on Family Health-Related Financial Well-Being. *INQUIRY: The Journal of Health Care Organization, Provision, and Financing*, 59. <https://doi.org/10.1177/00469580221133215>
- QQ. Bullinger, L. R., Simon, K., & Edmonds, B. T. (2022). Coverage Effects of the ACA's Medicaid Expansion on Adult Reproductive-Aged Women, Postpartum Mothers, and Mothers with Older Children. *Maternal and Child Health Journal*, 26(5), 1104-1114. <https://doi.org/10.1007/s10995-022-03384-8>
- RR. Linde, S., & Egede, L. E. (2023). Association Between State-Level Medicaid Expansion and Eviction Rates. *JAMA Network Open*, 6(1), e2249361. <https://doi.org/10.1001/jamanetworkopen.2022.49361>
- SS. Steenland, M.W. & Wherry, L. R. (2023). Medicaid Expansion Led To Reductions In Postpartum Hospitalizations. *Health Aff (Millwood)*, 42(1), 18-25. <https://doi.org/10.1377/hlthaff.2022.00819>
- TT. Guglielminotti, J., Daw, J. R., Friedman, A. M., Landau, R., & Li, G. (2023). Medicaid expansion and risk of eclampsia. *American Journal of Obstetrics & Gynecology MFM*, 5(8), 101054. <https://doi.org/10.1016/j.ajogmf.2023.101054>
- UU. Modrek, S., Collin, D. F., Hamad, R., & White, J. S. (2024). Medicaid Expansion and Perinatal Health Outcomes: A Quasi-Experimental Study. *Maternal and Child Health Journal*, 28(5), 959-968. <https://doi.org/10.1007/s10995-023-03879-y>
- VV. Chen, J., Ouyang, L., Goodman, D. A., Okoroh, E. M., Romero, L., Ko, J. Y., & Cox, S. (2023). Study VV: Association of Medicaid Expansion Under the Affordable Care Act With Medicaid Coverage in the Prepregnancy, Prenatal, and Postpartum Periods. *Women's Health Issues*, 33(6), 582-591. <https://doi.org/10.1016/j.whi.2023.08.002>
- WW. Pradhan, S., Harvey, S. M., Bui, L. N., & Yoon, J. (2023). Study WW: Postpartum Medicaid coverage and outpatient care utilization among low-income birthing individuals in Oregon: Impact of Medicaid expansion. *Frontiers in Public Health*, 11, 1025399. <https://doi.org/10.3389/fpubh.2023.1025399>

- XX. Steenland, M. W., & Trivedi, A. N. (2023). Study XX: Association of Medicaid Expansion With Postpartum Depression Treatment in Arkansas. *JAMA Health Forum*, 4(2), e225603. <https://doi.org/10.1001/jamahealthforum.2022.5603>
- YY. Unger, E. S., McConnell, M., Austin, S. B., Rosenthal, M. B., & Agénor, M. (2024). Examining the Association Between Affordable Care Act Medicaid Expansion and Sexually Transmitted Infection Testing Among U.S. Women. *Women's Health Issues*, 34(1), 14–25. <https://doi.org/10.1016/j.whi.2023.09.001>
- ZZ. Strully, K. W., Chatterji, P., Liu, H., Han, S., & Schell, L. (2024). Effects Of Medicaid Expansions On Coverage, Prenatal Care, And Health Among American Indian/Alaska Native Women. *Health Affairs*, 43(3), 344–353. <https://doi.org/10.1377/hlthaff.2023.00672>
- AAA. Saygili, M., & Bayindir, E. E. (2024). Association of Medicaid expansion with birth outcomes: Evidence from a natural experiment in Texas. *BMC Public Health*, 24(1), 1486. <https://doi.org/10.1186/s12889-024-19007-6>
- BBB. Siddika, N., Hettinger, K., & Margerison, C. E. (2025). Impact of Medicaid Policies on Pre-pregnancy Preventive Dental Care. *Maternal and Child Health Journal*, 29(2), 217–224. <https://doi.org/10.1007/s10995-025-04041-6>
- CCC. Andreyeva, E., Rochford, H. I., & Marthey, D. J. (2025). Examining the Impact of ACA Medicaid Expansion on Insurance Coverage, Access to Care and Health of Low-Income Parents. *Health Services Research*, 60(5), e14625. <https://doi.org/10.1111/1475-6773.14625>
- DDD. Zhao, J. J., Jaggad, R., El Fatmaoui, A., & Ghosh, P. K. (2025). Did the Medicaid expansion improve immunization among U.S. pregnant women? *Preventive Medicine Reports*, 58, 103214. <https://doi.org/10.1016/j.pmedr.2025.103214>
- EEE. Boggs, E., Stefanescu, A., Greitz, M., Lindrooth, R., Admon, L., & Tipirneni, R. (2026). Medicaid Expansion and Rural–Urban Disparities in Postpartum Medicaid Coverage. *Public Health Reports*, 1–6. <https://doi.org/10.1177/00333549251403896>
- FFF. Dalziel, K., Chua, K.-P., Hua, X., Huang, L., Ryan, A., Freed, G. L., Levy, H., & Ayanian, J. Z. (2026). Association of Medicaid expansion with children's insurance coverage and healthcare utilization. *Health Affairs Scholar*, 4(1), qxaf245. <https://doi.org/10.1093/haschl/qxaf245>

Other References

1. Rudowitz, R., Garfield, R., & Hinton, E. (2019, March 6). 10 things to know about Medicaid: Setting the facts straight. KFF. <https://www.kff.org/medicaid/issue-brief/10-things-to-know-about-medicaid-setting-the-facts-straight/>
2. Shonkoff, J., & Phillips, D. (2000). *From neurons to neighborhoods: The science of early childhood development*. Washington, DC: The National Academies Press.
3. Public Law 111-148 (111th Congress). *Patient Protection and Affordable Care Act*. <https://www.govinfo.gov/content/pkg/PLAW-111publ148/pdf/PLAW-111publ148.pdf>
4. KFF. (2020, October 30). *Explaining health care reform: Questions about health insurance subsidies*. <https://www.kff.org/health-reform/issue-brief/explaining-health-care-reform-questions-about-health-insurance-subsidies/>
5. *National Federation of Independent Business et al. v Sebelius, Secretary of Health and Human Services et al.* (2012). US 11-393. <https://www.law.cornell.edu/supct/pdf/11-393.pdf>
6. Antonisse, L., & Rudowitz, R. (2019, February). *An overview of state approaches to adopting Medicaid expansion*. KFF. <https://www.kff.org/medicaid/issue-brief/an-overview-of-state-approaches-to-adopting-the-medicaid-expansion/>
7. Nolen, L. T., Beckman, A. L., & Sandoe, E. (2020). How Foundational Moments In Medicaid's History Reinforced Rather Than Eliminated Racial Health Disparities. *Health Affairs Forefront*. <https://doi.org/10.1377/forefront.20200828.661111>
8. Hakim, R. B., Boben, P. J., & Bonney, J. B. (2000). Medicaid and the Health of Children. *Health Care Financing Review*, 22(1), 133–140.
9. Morcelle, M. T. (2022). Reforming Medicaid Coverage Toward Reproductive Justice. *American Journal of Law and Medicine*, 48(2–3), 223–243. <https://doi.org/10.1017/amj.2022.27>
10. Schor, E.L. & Johnson, K. (2021). Child Health Inequities Among State Medicaid Programs. *JAMA pediatrics*, 175(8):775–776. doi:10.1001/jamapediatrics.2021.1082

11. KFF. (2023, January 1). Medicaid Income Eligibility Limits for Adults as a Percent of the Federal Poverty Level. KFF State Health Facts. <https://www.kff.org/health-reform/state-indicator/medicaid-income-eligibility-limits-for-adults-as-a-percent-of-the-federal-poverty-level/>
12. KFF. (2023, January 1). Medicaid Income Eligibility Limits for Pregnant Women as a Percent of the Federal Poverty Level. KFF State Health Facts. <https://www.kff.org/health-reform/state-indicator/medicaid-and-chip-income-eligibility-limits-for-pregnant-women-as-a-percent-of-the-federal-poverty-level/>
13. Park, E., & Corlette, S. (2021, March). *American Rescue Plan Act: Health care provisions explained*. Georgetown University Health Policy Institute: Center for Children and Families (CCF). <https://ccf.georgetown.edu/wp-content/uploads/2021/03/American-Rescue-Plan-signed-fix-2.pdf>
14. Cervantes, S., Bell, C., Tolbert, J., & Damico, A. (2025, February 25). *How Many Uninsured Are in the Coverage Gap and How Many Could be Eligible if All States Adopted the Medicaid Expansion?* <https://www.kff.org/medicaid/issue-brief/how-many-uninsured-are-in-the-coverage-gap-and-how-many-could-be-eligible-if-all-states-adopted-the-medicaid-expansion/>
15. KFF. (2023, January). *Medicaid income eligibility limits for parents, 2002-2023*. <https://www.kff.org/medicaid/state-indicator/medicaid-income-eligibility-limits-for-parents/>
16. KFF. (n.d.) State Health Facts: Births Financed by Medicaid, 2022. <https://www.kff.org/medicaid/state-indicator/births-financed-by-medicaid/>
17. Hill, L., Artiga, S., & Damico, A. (2026, May 4). *Health Coverage by Race and Ethnicity, 2010-2024*. KFF. <https://www.kff.org/racial-equity-and-health-policy/issue-brief/health-coverage-by-race-and-ethnicity/>
18. Park, E. (2021, March 18). *Medicaid learning lab. Session 2: Medicaid and CHIP financing*. Georgetown University Health Policy Institute: CCF. <https://ccf.georgetown.edu/2021/02/05/medicaid-learning-lab/>
19. Hayes, S.L., Coleman, A., Collins, S.R. & Nuzum, R. (2019). *The fiscal case for Medicaid expansion*. The Commonwealth Fund. <https://www.commonwealthfund.org/blog/2019/fiscal-case-medicaid-expansion>
20. Musumeci, M. (2020, March 4). *Key questions about the new increase in federal Medicaid matching funds for COVID-19*. KFF. <https://www.kff.org/coronavirus-covid-19/issue-brief/key-questions-about-the-new-increase-in-federal-medicaid-matching-funds-for-covid-19/>
21. Kaiser Family Foundation. (2025). *Health Provisions in the 2025 Federal Budget Reconciliation Bill*. KFF. <https://www.kff.org/tracking-the-medicaid-provisions-in-the-2025-budget-bill/>
22. Guth, M., Garfield, R., & Rudowitz, R. (2020, March 17). *The effects of Medicaid expansion under the ACA: Studies from January 2014 to January 2020*. KFF. <https://www.kff.org/medicaid/report/the-effects-of-medicaid-expansion-under-the-aca-updated-findings-from-a-literature-review/>
23. Institute of Medicine. (2002). *Care without coverage: Too little, too late*. Washington, DC: The National Academies Press.
24. Kilpatrick, S.J., & Papile, L.A. (2017). *Guidelines for perinatal care* (8th Ed.). American Academy of Pediatrics and the American College of Obstetrics and Gynecologists. (2017). <https://www.acog.org/clinical-information/physician-faqs/-/media/3a22e153b67446a6b31fb051e469187c.ashx>
25. National Institutes of Health. (2017, January 31). *What is prenatal care and why is it important?* <https://www.nichd.nih.gov/health/topics/pregnancy/conditioninfo/prenatal-care>
26. Daw, J.R., Kozhimannil, K.B., & Admon, L.K. (2019, September 16). *High rates of perinatal insurance churn persist after the ACA*. *Health Affairs Blog*. doi: 10.1377/hblog20190913.387157
27. Searing, A., & Ross, D.C. (2019). *Medicaid expansion fills gaps in maternal health coverage leading to healthier mothers and infants*. Georgetown University Health Policy Institute: CCF. <https://ccf.georgetown.edu/wp-content/uploads/2019/05/Maternal-Health-3a.pdf>
28. National Academies of Sciences, Engineering, and Medicine. (2019). *A roadmap to reducing child poverty*. Washington, DC: The National Academies Press.
29. National Center for Health Statistics, final natality data. Retrieved July 22, 2024, from www.marchofdimes.org/peristats
30. National Vital Statistics Systems. (2017) *Revisions of the U.S. standard certificates and reports*. National Center for Health Statistics. <https://www.cdc.gov/nchs/nvss/revisions-of-the-us-standard-certificates-and-reports.htm>
31. Ely, D.M. & Driscoll, A.K. (2024). *Infant Mortality in the United States: Provisional Data From the 2023 Period Linked Birth/Infant Death File*. *Vital Statistics Rapid Release*. no 37: 1-8. <https://dx.doi.org/10.15620/cdc/166707>
32. Nelson, D.B., Moniz, M.H. & Davis, M.M. (2018). *Population-level factors associated with maternal mortality in the United States, 1997-2012*. *BMC Public Health*, 18, (1007). <https://doi.org/10.1186/s12889-018-5935-2>

33. Hoyert, D.L. (2023). Maternal mortality rates in the United States, 2021. NCHS Health E-Stats. <https://dx.doi.org/10.15620/cdc:124678>.
34. Hoyert, D.L. (2026). Maternal mortality rates in the United States, 2024. NCHS Health E-Stats. 2026 Mar;(113):1–7. DOI: <https://dx.doi.org/10.15620/cdc/174651>
35. Creanga, A. A., Bateman, B. T., Kuklina, E. V., & Callaghan, W. M. (2014). Racial and ethnic disparities in severe maternal morbidity: A multistate analysis, 2008–2010. *American Journal of Obstetrics and Gynecology*, 210(5), 435.e1–435.e8. doi: 10.1016/j.ajog.2013.11.039
36. U.S. Preventive Services Task Force. (2009). Folic acid for the prevention of neural tube defects: U.S. Preventive Services Task Force recommendation statement. *Annals of Internal Medicine*, 150(9), 626–31. doi: <https://doi.org/10.1542/peds.104.2.325>
37. Bibbins-Domingo, K., Grossman DC, Curry, S.J., Davidson, K.W., Epling, J.W. Jr., García, F.A.R., et al. (2017). Folic acid supplementation for the prevention of neural tube defects: US Preventive Services Task Force recommendation statement. *JAMA*, 317(2), 183–189. doi:10.1001/jama.2016.19438
38. CDC. (2019). *Unintended Pregnancy*. National Center for Health Statistics. <https://www.cdc.gov/reproductivehealth/contraception/unintendedpregnancy/index.htm#:~:text=An%20unintended%20pregnancy%20is%20a,pregnancy%20occurred%20earlier%20than%20desired>.
39. The Ohio Department of Medicaid. (2016). *Ohio Medicaid Group VIII assessment: A report to the Ohio General Assembly*. <https://medicaid.ohio.gov/static/Resources/Reports/Annual/Group-VIII-Final-Report.pdf>
40. Blavin, F. (2016). Association between the 2014 Medicaid expansion and US hospital finances. *JAMA*, 316(14), 1475–1483. doi:10.1001/jama.2016.14765
41. Callison, K., Walker, B., Stoecker, C., Self, J., & Diana, M.L. (2021). Medicaid expansion reduced uncompensated care costs at Louisiana hospitals; May be a model for other states. *Health Affairs*, 40(3), 529–535. doi: 10.1377/hlthaff.2020.01677
42. KFF. (2025 May 2). Medicaid Enrollment and Unwinding Tracker. <https://www.kff.org/report-section/medicaid-enrollment-and-unwinding-tracker-unwinding-data-archived/>
43. Ranji, U., Salganicoff, A., & Gomez, I. (2021, March 18). *Postpartum coverage extension in the American Rescue Plan Act of 2021*. KFF. <https://www.kff.org/policy-watch/postpartum-coverage-extension-in-the-american-rescue-plan-act-of-2021/>
44. Ranji, U., Gomez, I., & Salganicoff, A. (2021, March 9). *Expanding postpartum Medicaid coverage*. KFF. <https://www.kff.org/womens-health-policy/issue-brief/expanding-postpartum-medicare-coverage/>
45. Polk, E.C., Morgan, V.E., & Orris, A.B. (2021). *Health care policy trends from the 2021 state legislative session*. Manatt Health. <https://www.manatt.com/insights/newsletters/manatt-on-health/health-care-policy-trends-from-the-2021-state-legi>
46. Bhatt, C.B., & Beck-Sague, C.M. (2018). Medicaid expansion and infant mortality in the United States. *American Journal of Public Health*, 108(4), 565–567. doi: 10.2105/AJPH.2017.304218
47. KFF (as of 2023, July 3). *Status of state action on the Medicaid expansion decision: interactive map*. <https://www.kff.org/medicaid/issue-brief/status-of-state-medicare-expansion-decisions-interactive-map/>
48. KFF. (2023, July 13). *Medicaid postpartum coverage extension tracker*. <https://www.kff.org/medicaid/issue-brief/medicaid-postpartum-coverage-extension-tracker/>
49. Winkelman, T.N.A., & Chang, V.W. (2018). Medicaid expansion, mental health, and access to care among childless adults with and without chronic conditions. *Journal of General Internal Medicine*, 33(3), 376–383. doi: 10.1007/s11606-017-4217-5
50. Maxwell, J., Bourgoignie, A., & Lindenfield, Z. (2020, February 10). Battling the mental health crisis among the underserved through state Medicaid reforms. *Health Affairs blog*. doi: 10.1377/hblog20200205.346125
51. Rhubart, D.C. (2018). Disparities in individual health behaviors between Medicaid expanding and non-expanding states in the US. *SSM Population Health*, 6, 36–43. doi: 10.1016/j.ssmph.2018.08.005
52. Hamilton, B.E., Martin, J.A., Osterman, M.J.K., & Curtin, S.C. (2014). Births: Preliminary data for 2013. *National Vital Statistics Reports*, 63(2). Hyattsville, MD: National Center for Health Statistics. https://www.cdc.gov/nchs/data/nvsr/nvsr63/nvsr63_02.pdf
53. Congressional Research Service. (2022). Temporary Federal Medical Assistance Percentage (FMAP) Increase for Title IV-E Foster Care and Permanency Payments. <https://crsreports.congress.gov/product/pdf/IN/IN11297#:~:text=The%20Families%20First%20Coronavirus%20Response,as%20the%20Medicaid%20matching%20rate>.

54. Kavanaugh, M.L. & Anderson, R.M. (2013). *Contraception and Beyond: The Health Benefits of Services Provided at Family Planning Centers*, New York: Guttmacher. <http://www.guttmacher.org/pubs/health-benefits.pdf>
55. Osterman, M.J.K., Hamilton, B.E., Martin, J.A., Driscoll, A.K. & Valenzuela, C.P. (2026). Births: Final Data for 2024. *National Vital Statistics Reports*. 75(2):1-47. <https://stacks.cdc.gov/view/cdc/252440>
56. Buettgens, M. & Green, A. (2022). What Will Happen to Medicaid Enrollees' Health Coverage after the Public Health Emergency: Updated Projections of Medicaid Coverage and Costs. *Urban Institute*. https://www.urban.org/sites/default/files/2022-03/what-will-happen-to-medicaid-enrollees-health-coverage-after-the-public-health-emergency_1_1.pdf
57. NASHP. (2023). View Each State's Efforts to Extend Medicaid Postpartum Coverage. <https://www.nashp.org/view-each-states-efforts-to-extend-medicaid-postpartum-coverage/>
58. Miller, S. & Wherry, L. (2022). Covering Undocumented Immigrants: The Effects of a Large-Scale Prenatal Care Intervention. NBER. Working Paper 30299 DOI 10.3386/w30299
59. H.B. 22-1289, 73rd General Assembly, Second Regular Session, (2022).
60. Park, E., & Corlette, S. (2021, March). American Rescue Plan Act: Health care provisions explained. Georgetown University Health Policy Institute: CCF. <https://ccf.georgetown.edu/wp-content/uploads/2021/03/American-Rescue-Plan-signed-fix-2.pdf>
61. Park, E. & Corlette, S. (2025, July). *Medicaid, CHIP, and Affordable Care Act Marketplace Cuts and Other Health Provisions in the Budget Reconciliation Law, Explained*. Georgetown University McCourt School of Public Policy: Center for Children and Families (CCF). <https://ccf.georgetown.edu/2025/07/22/medicaid-chip-and-affordable-care-act-marketplace-cuts-and-other-health-provisions-in-the-budget-reconciliation-law-explained/>
62. McCormick, L. (2026, June 24). New Research on Medicaid Work Requirements Highlights the Importance of State Policy Choices. *Prenatal-to-3 Policy Impact Center*. <https://pn3policy.org/blog/new-research-on-medicaid-work-requirements-highlights-the-importance-of-state-policy-choices/>
63. Meille, G., Steenland, M. W., & Eliason, E. L. (2026). Medicaid Continuous Coverage Requirement and Postpartum Hospitalization. *JAMA Health Forum*, 7(2), e256872. <https://doi.org/10.1001/jamahealthforum.2025.6872>
64. Gangopadhyaya, A., & Karpman, M. (2025). The Impact of Arkansas Medicaid Work Requirements on Coverage and Employment: Estimating Effects Using National Survey Data. *Health Services Research*, 60(5), e14624. <https://doi.org/10.1111/1475-6773.14624>
65. Johnson, D. Y., Mein, S. A., Marinacci, L. X., Liu, M., & Wadhera, R. K. (2025). Insurance coverage and employment after Medicaid expansion with work requirements: Quasi-experimental difference-in-differences study. *BMJ*, 390, e086792. <https://doi.org/10.1136/bmj-2025-086792>



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