







Members of the Equitable Maternal Health Coalition



Making the Case for Extending Medicaid Coverage Beyond 60 Days Postpartum: A Toolkit for State Advocates

— June 2020 —











Table of Contents

Executive Summary	З
Introduction	4
The Imperative For Action: The United States Is Experiencing A Maternal Health Crisis	4
Medicaid Is Key To Improving Maternal Health And Addressing Disparities In Outcomes	6
Barriers To Postpartum Coverage And Care: Special Considerations For Expansion States	7
Barriers To Postpartum Coverage And Care: Special Considerations Forw Non-Expansion States	7
Key Reasons States Should Pursue Extending Medicaid Postpartum Coverage Beyond 60 Days Postpartum	. 10
Cost And Design Considerations	. 12
Effectuating The Medicaid Postpartum Coverage Extension	.16
Advocacy Tips	. 17
Conclusion	
Appendices	.19
References	. 21



Executive Summary

The U.S. is battling a maternal health crisis. It is the only industrialized nation with a maternal mortality rate that is on the rise. The crisis is disproportionately impacting women of color, and the majority of pregnancy-related deaths are preventable. Furthermore, for every woman who dies from pregnancy-related causes, another 70 suffer from severe maternal morbidity.

Medicaid has a vital role to play in improving maternal health outcomes. Nearly half of all births are financed by Medicaid, and Medicaidenrolled pregnant women are more likely than women enrolled in private coverage to have certain chronic conditions and have a preterm birth or low birthweight baby, putting them at higher risk for poor maternal outcomes.^{5, 6} Today, women who are eligible for Medicaid on the basis of their pregnancy only receive Medicaid coverage for 60 days postpartum, resulting in many women in both Medicaid expansion and non-expansion states losing coverage and continuity of care very soon after giving birth despite the fact that pregnancy-related deaths occur beyond 60 days.7

Since Congress established the 60-day postpartum period for Medicaid coverage for pregnant women in 1986, much more is

known about maternal deaths and the delivery of postpartum care. Based on the science, there is broad agreement among healthcare providers, health plans, and consumer advocacy groups that the Medicaid postpartum coverage period should be 12 months. The simple step of extending postpartum coverage in Medicaid provides an automatic 12-month coverage pathway during a very vulnerable time, providing coverage for women without other options, mitigating barriers to other coverage pathways, and preventing disruptions in care. In addition to improving maternal and child health outcomes, a Medicaid postpartum coverage extension will reduce certain Medicaid costs because postpartum complications and chronic conditions will not be left untreated only to worsen over time. Many of the women who lose Medicaid coverage postpartum re-enroll in Medicaid at a later time; timely interventions will avoid more expensive care later on.

Leveraging lessons learned from advocacy efforts across the country, this toolkit aims to help those working at the state level to extend Medicaid postpartum coverage beyond 60 days. Absent a change in federal law, an extension that seeks federal Medicaid funding requires a Medicaid Section 1115 waiver from the Centers

for Medicare and Medicaid Services (CMS). This toolkit describes important cost and design considerations, including estimating offsetting savings; answers key questions about how states can seek federal matching funds through a Medicaid waiver; and provides advocacy tips gleaned from efforts in various states. Currently, three states have pending Section 1115 waivers at CMS for authority to receive federal matching funds for a postpartum coverage extension, and many other states are considering taking this step.

Given the alarming maternal health crisis across the U.S., states face an imperative to act. With nearly half of all U.S. births covered by Medicaid, states have an opportunity and responsibility to improve maternal health and address disparities in health outcomes. Extending the Medicaid postpartum coverage period from the current 60 days to a full 12 months is the simplest and most targeted way to address coverage loss and continuity of care for postpartum women in both expansion and non-expansion states. While a Medicaid postpartum coverage extension will not single-handedly solve the maternal health crisis, it is foundational to most other efforts because it provides vital coverage and continuity of care to postpartum women during an extremely vulnerable time.

Introduction

In the context of the nation's growing maternal health crisis, many have sought policy and delivery system changes that will improve outcomes for women and their babies. One key opportunity is to extend the postpartum coverage period in Medicaid from the current 60 days to a full year in line with clinical evidence. Extending the postpartum coverage period at the state level typically requires state legislation and budget authority. In addition, until pending federal legislation is enacted, states will need to propose a Section 1115 waiver in order to receive federal Medicaid matching funds for the extended postpartum period.

Leveraging lessons learned from advocacy efforts across the country, this toolkit aims to help those working at the state level to extend postpartum coverage in Medicaid. It reviews the coverage and care barriers for women associated with the current 60-day postpartum period, outlines key reasons for extending Medicaid's postpartum coverage period, and describes important cost and design considerations. Some arguments and design options will be more applicable to certain states than others depending on the state's maternal health coverage landscape and particularly whether the state has expanded Medicaid. In all cases, collaboration among state Medicaid agencies, advocates, physicians and other health care providers, Medicaid beneficiaries, state legislators, and others will help strengthen the effort to improve maternal health outcomes.

The Imperative for Action: The United States is Experiencing a Maternal Health Crisis

• The U.S. is the only developed country where the maternal mortality rate has been steadily rising.^{8, 9} The U.S. maternal mortality rate jumped from 7.2 deaths per 100,000 live births in 1987 to 16.9 deaths per 100,000 live births in 2016.¹⁰ In 2018, the maternal mortality rate was 17.4 deaths per 100,000 live births; the Centers for Disease Control and Prevention (CDC) adopted a new method in 2018 for

3.

4

5.

6.

8

9.

10

coding maternal deaths to mitigate the effect of reporting errors and collect more cause-of-death, the 2018 rate is not comparable to earlier rates.¹¹

 Black women and American Indian/Alaska Native women are 3.3 and 2.5 times more likely, respectively, to die from pregnancyrelated causes than non-Hispanic white women.¹²

Figure 1: Medical Conditions Defined by the CDC that Indicate Severe Maternal Morbidity¹⁸

	Acute myocardial infarction (heart attack)	11. Puerperal cerebrovascular disorders
2.	Aneurysm	12. Pulmonary edema / Acute heart failure
3.	Acute renal failure (kidney failure)	13. Severe anesthesia complications
l.	Adult respiratory distress syndrome	14. Sepsis
5.	Amniotic fluid embolism	15. Shock
ò.	Cardiac arrest/ventricular fibrillation	16. Sickle cell disease with crisis
	Conversion of cardiac rhythm	17. Air and thrombotic embolism
3.	Disseminated intravascular coagulation	18. Blood products transfusion
).	Eclampsia	19. Hysterectomy
	Heart failure/arrest during surgery or procedure	20.Temporary tracheostomy
		21. Ventilation

- A majority of the pregnancy-related deaths are preventable and often stem from lack of coverage and access to care in the critical time following birth or from changes in coverage that can disrupt continuity of care. Approximately 60 percent of pregnancy-related deaths reviewed by state maternal mortality review committees from 2011 to 2015 were preventable, regardless of race.¹³
- For every woman who dies from pregnancy-related causes, significantly more suffer from severe maternal morbidity (see Figure 1).¹⁴
 - In 2014, more than 50,000 women in the U.S. experienced severe maternal morbidity that resulted in significant short- or long-term consequences to their health.¹⁵
 - Severe maternal morbidity disproportionately impacts women of color; for example, black, collegeeducated mothers who gave birth in New York City from 2008 to 2012 were more likely to suffer severe complications from pregnancy or childbirth than white women who never graduated from high school.¹⁶
 - Women in New York City with an underlying chronic condition, such as hypertension, diabetes, or heart disease, were three times more likely to have severe maternal morbidity from 2008 to 2012 than women with no chronic conditions.¹⁷





Medicaid is Key to Improving Maternal Health and Addressing Disparities in Outcomes

- Nearly half of all U.S. births are financed by Medicaid, and in some states the rate is much higher.^{19, 20}
 - The maternal health crisis is not limited to Medicaid-enrolled women, but Medicaidenrolled pregnant women are more likely than women enrolled in private coverage to have had a preterm birth, to have had a low birthweight baby, and to experience certain chronic conditions, putting them at higher risk for poor maternal outcomes.²¹
 - More than half of women from 2005 to 2014 with at least one chronic condition at delivery were covered by Medicaid.²²
 - Compared to women with private insurance at delivery, those covered by Medicaid are more likely to be black.²³
- Pregnancy-related deaths occur well beyond the 60-day postpartum period.
 - Nationwide, approximately 29 percent of pregnancy-related deaths—not including those caused by accidents, homicides, and suicides—occur 43 to 365 days postpartum.^{24, 25}
 - Some states' analyses of pregnancyrelated deaths, which include behavioral health-related causes, find that 50 percent or more of deaths occur beyond the

60-day period. For example, in Illinois, 51 percent of all maternal deaths occurred more than 60 days postpartum between 2014 and 2016.²⁶ In Texas, between 2012 and 2015, 56 percent of all maternal deaths occurred more than 60 days postpartum.²⁷ And in West Virginia, the rate of maternal deaths occurring more than 60 days postpartum was 62 percent from 2007 to 2013.²⁸

- The 60-day postpartum coverage period in Medicaid results in many women losing coverage very soon after giving birth.
 - Between 2015 and 2017, 17 percent of women became uninsured between delivery and three to six months postpartum.^{29, 30}
 - Nearly 1 in 4 women in non-expansion states and more than 1 in 10 women in expansion states lost insurance coverage between delivery and postpartum.³¹
- There is broad agreement that women with a Medicaid-covered birth should receive 12 months of postpartum coverage (see Appendix 1).^{32, 33, 34}
 - Since Congress established the 60-day postpartum period for Medicaid coverage for pregnant women in 1986, much more is known about maternal deaths and the delivery of postpartum care.
 - Notably, the CDC defines the postpartum period to be 12 months after delivery.³⁵

- State maternal mortality review committees, as well as the American Medical Association, the American College of Obstetricians and Gynecologists (ACOG), the American Academy of Family Physicians, the Society for Maternal-Fetal Medicine, numerous health plans, and consumer advocacy groups, recommend that policymakers extend Medicaid coverage from the current standard of 60 days to 12 months postpartum.^{36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47}
- State legislation is currently being debated or has been passed in a diverse array of states across the country, and multiple federal legislative proposals seek to require or give states authority to continue Medicaid coverage beyond 60 days postpartum.⁴⁸

Barriers to Postpartum Coverage and Care: Special Considerations for Expansion States

Although most women in expansion states who lose Medicaid eligibility following the postpartum period are likely eligible for either continued coverage under the Medicaid expansion or subsidized Marketplace coverage at 60 days postpartum, barriers lead to gaps in coverage and discontinuity in care continues to persist (see Figure 2).

 Women with incomes at or below 138 percent of the FPL in an expansion state should generally be eligible for coverage under the expansion, but states must redetermine eligibility, which may require

action by the mother during a particularly busy and vulnerable time and risks creating an unsafe gap in coverage.

- 30 percent of uninsured new mothers in 2017 with incomes below 138 percent of the FPL were in Medicaid expansion states, which indicates that many women in expansion states are not experiencing smooth transitions from pregnancy-related Medicaid coverage to parental Medicaid coverage.⁴⁹
- Women who have incomes above 138
 percent of the FPL in an expansion
 state are likely eligible for subsidized
 Marketplace coverage; however, many
 experience gaps in coverage because
 they have to manage the Marketplace
 enrollment process and in certain
 circumstances pay premiums that they may
 not be able to afford.
 - Research has shown that even small amounts of cost-sharing can dissuade or prevent low-income people from accessing coverage and care.50,51 The RAND health insurance experiment demonstrated that premiums and cost-sharing reduced utilization of both effective and less effective services equally, and that premiums and cost-sharing were associated with worse health outcomes among the poorest and sickest patients.52 A multi-state study found that among low-income enrollees, premiums as low as 1 percent of income could reduce enrollment in health insurance by 15 percent.⁵³ In Oregon, when premiums and co-payments were introduced in 2003 for non-disabled adults with incomes below poverty, enrollment dropped by 77 percent.⁵⁴

- Women are more likely than men to report forgoing needed health care due to cost (26 percent of women vs. 19 percent of men).⁵⁵ After out-of-pocket costs for preventive women's health services were eliminated under the Affordable Care Act (ACA), women were more likely to have a long-acting reversible contraceptive inserted. Furthermore, women with low to moderate out-of-pocket costs for preventive care office visits prior to the ACA were more likely to use these services after cost-sharing was eliminated compared to women with persistent low to moderate out-of-pocket costs.⁵⁶
- Even if women successfully enroll into Marketplace coverage, they may have to change plans and providers and may lose access to critical services such as dental care, certain behavioral health benefits, and care coordination services.
 - For example, women transitioning from an Illinois Medicaid managed care plan to a qualified health plan on the Marketplace lose access to care coordination services or referrals to assist with social determinants of health despite these services being important to help prevent maternal mortality.⁵⁷

Barriers to Postpartum Coverage and Care: Special Considerations for NonExpansion States

There are two main postpartum coverage barriers in non-expansion states.

Figure 2. Example of Postpartum Coverage Barriers in an Expansion State (Illinois)58, 59, 60, 61



MIA, Age 26 Lives in Chicago, Illinois

Monthly Income for Family of 3: \$2,715 (150% FPL) Medicaid-enrolled, just gave birth

- Burdensome Transitions: Mia will lose Medicaid coverage in 60 days; she can
 enroll in Marketplace coverage—but she must apply for a Marketplace Special
 Enrollment Period while recovering from childbirth and caring for a newborn.
- Cost-Sharing: To purchase a Silver plan on the Marketplace, Mia must pay a monthly premium of \$110, along with other out-of-pocket costs.
- **Disruptions in Care:** If Mia successfully enrolls in the Marketplace, her provider network will likely vary from her current providers.

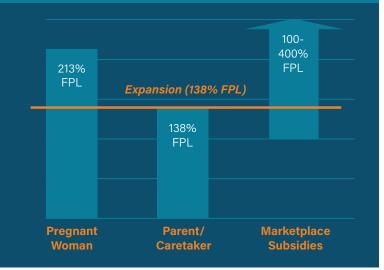


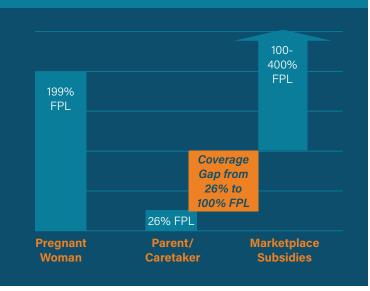
Figure 3. Example of Postpartum Coverage Barriers in a Non-Expansion State (Mississippi) 63, 64, 65, 66



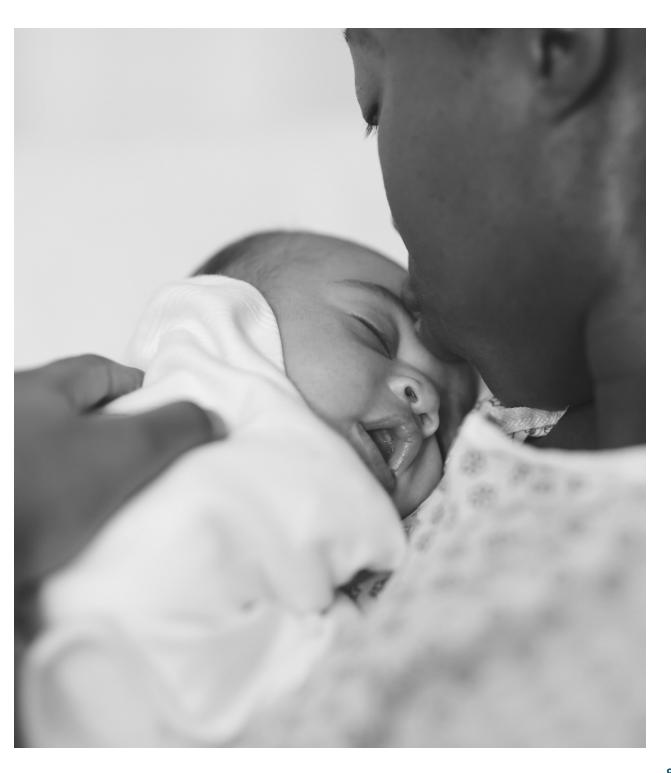
CARLA, Age 26

Lives in Jackson, Mississippi Monthly Income for Family of 3: \$724 (40% FPL) Medicaid-enrolled, just gave birth

- Coverage Gap: When Medicaid coverage ends in 60 days, Carla will not be eligible for Medicaid or Marketplace tax credits.
- Affordability: Without Marketplace tax credits, Carla could purchase a Silver plan on the Marketplace for \$373 per month —or 52% of her household income.

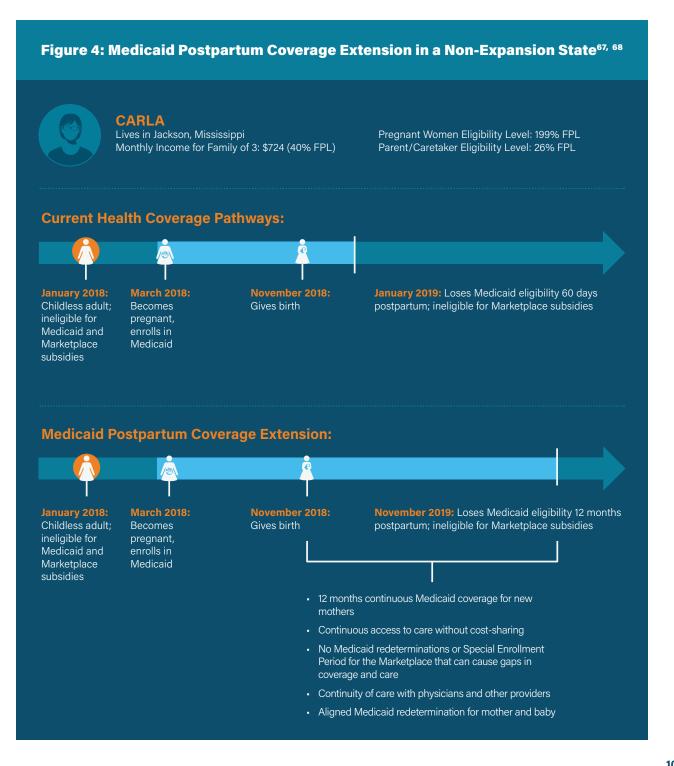


- Women with a Medicaid-covered birth in non-expansion states with income below 100 percent of the FPL face a steep coverage gap at the end of the 60-day Medicaid postpartum period. Unless a woman qualifies for parent/caretaker relative Medicaid eligibility or Aged, Blind and Disabled eligibility, a new mother will lose her Medicaid eligibility 60 days after giving birth. The median parent/caretaker eligibility threshold across states that have not adopted the Medicaid expansion is 40 percent of the FPL, or \$8,688 per year for a family of three in 2020.62 Because Marketplace subsidies are only available to individuals between 100 percent and 400 percent of the FPL (between \$21,720 and \$86,880 per year for a family of three in 2020), a new mother whose incomes falls above her state's parent/caretaker relative threshold but below 100 percent of the FPL fall into the coverage gap (see Figure 3).
- Women with income at or above 100 percent of the FPL face the same postpartum coverage barriers that women with comparable incomes in expansion states face at the end of the 60-day Medicaid postpartum period. As Figure 3 illustrates, women have to navigate the Marketplace special enrollment process, pay a new premium, and likely change provider networks during a vulnerable time, resulting in gaps in coverage and care.



Key Reasons States Should Pursue Extending Medicaid Postpartum Coverage Beyond 60 Davs Postpartum

- Ensures and Simplifies Postpartum Coverage. As Figure 4 and Figure 5 illustrate the simple step of extending postpartum coverage can solve the coverage issues women face in both expansion and nonexpansion states. Extending postpartum coverage in Medicaid provides an automatic 12-month coverage pathway during a very vulnerable time, providing coverage for women without other options, mitigating barriers to other coverage pathways, and preventing disruptions in care.
 - Extending Medicaid postpartum coverage is the surest, simplest, and most targeted way to address loss of insurance or gaps in coverage among postpartum women in both expansion and non-expansion states.
 - No new eligibility category, application, or redetermination is required, and costrelated barriers to coverage and care are eliminated. The 12-month postpartum period would allow a new mother to stay on coverage automatically (just as she does now for 60 days). Neither the new mother nor the state Medicaid agency would have to take any action for coverage and care to continue uninterrupted.
- Improves Continuity of Care and Care Coordination. By extending the Medicaid postpartum coverage period to 12 months, new mothers do not have to switch from providers they trust that understand their



health history and may be treating their chronic condition(s) during a vulnerable time. Providers can also better coordinate care over a 12-month period versus 60 days.

- Lapses in insurance coverage and related systems of care issues have been credited as one of many contributing factors to the nation's growing maternal mortality crisis.⁷¹
- Poor continuity of care and/or a lack of care coordination were identified as factors that contributed to death in 93 percent of preventable pregnancyrelated deaths in Illinois during the late postpartum period (61-364 days postpartum).⁷²
- Aligns Continuous Coverage for both Mother and Baby for 12 Months Postpartum Regardless of Changes in Family Income. Under federal law, babies born to mothers with Medicaid coverage at the time of birth receive automatic and continuous Medicaid eligibility for their first year of life. The Extending the Medicaid postpartum coverage period to 12 months ensures continuous coverage for both mother and baby, improving care coordination for the mother-baby dyad and creating administrative efficiencies for the states at redetermination.
- Improves Maternal Health Outcomes. The point of the postpartum coverage extension policy, of course, is to reverse the trends in maternal health and improve maternal health outcomes. It is well documented that access to health insurance increases access to and use of health care services and improves health outcomes.^{74, 75, 76, 77, 78, 79, 80, 81, 82} For example, Medicaid expansion is associated with 7.01 fewer maternal deaths per 100,000 women relative to

Figure 5: Medicaid Postpartum Coverage Extension in an Expansion State^{69,70} MIA Lives in Chicago, Illinois Pregnant Women Eligibility Level: 213% FPL Monthly Income for Family of 3: \$2,715 (150% FPL) Parent/Caretaker Eligibility Level: 138% FPL **Current Health Coverage Pathways:** November 2018: January 2018: March 2018: January 2019: Loses Medicaid eligibility 60 days Eligible for **Becomes** Gives birth postpartum; eligible for Marketplace subsidies -Marketplace however, must enroll through Special Enrollment pregnant, subsidies: enrolls in Period within 60 days of giving birth, is subject to premiums and other cost-sharing, and likely must ineligible for Medicaid Medicaid change provider networks **Medicaid Postpartum Coverage Extension:** January 2018: March 2018: November 2018: November 2019: Loses Medicaid eligibility 12 months Eligible for **Becomes** Gives birth postpartum; eligible for Marketplace subsidies Marketplace pregnant, subsidies; enrolls in ineligible for Medicaid Medicaid • 12 months continuous Medicaid coverage for new Continuous access to care without cost-sharing • No Medicaid redeterminations or Special Enrollment Period for the Marketplace that can cause gaps in coverage and care • Continuity of care with physicians and other providers • Aligned Medicaid redetermination for mother and baby

non-expansion.⁸³ Improving access to Medicaid has also been associated with increased use of postpartum outpatient care, particularly for women with severe maternal morbidity.⁸⁴ Extending the Medicaid postpartum coverage period to 12 months would increase access to and use of health care services and improve maternal health outcomes.

- Improves Child Health Outcomes.
 Continuing Medicaid coverage for postpartum mothers will also improve health outcomes for children because children's healthy development is dependent on healthy parents.
 - Maternal depression negatively impacts young children's cognitive and social-emotional development, and future educational and employment opportunities.^{85, 86, 87}
 - Extending health coverage to adults results in increased health coverage for children. Most uninsured children are eligible but not enrolled in Medicaid or the Children's Health Insurance Program (CHIP); their enrollment increases as their parents get covered.⁸⁸
 - Parental enrollment in Medicaid is associated with a 29-percentage point higher probability that a child will receive an annual well-child visit.⁸⁹
- Saves Billions of Dollars in Annual Severe
 Maternal Morbidity Costs. The average
 total per-patient costs in 2013 for Medicaid enrolled pregnant women with severe maternal
 morbidity was \$10,134 compared to \$6,894 for
 women without severe maternal morbidity.⁹⁰
 - In 2011, Medi-Cal paid more than \$210 million to treat maternal hemorrhage and hypertensive disorders.^{91, 92}

- Perinatal mood and anxiety disorders (PMADs), which are the number one complication of pregnancy and childbirth, affect at least 1 in 7 women, yet only half of perinatal women with depressive symptoms receive any treatment.
 Examining PMADs alone, the national economic costs of not treating these disorders amounted to \$14.2 billion in 2017.93
- Reduces Medicaid Costs. Women who are eligible for Medicaid on the basis of their pregnancy are likely to become enrolled in Medicaid again. However, without the benefit of extended postpartum coverage, or by churning between sources of coverage, many re-enrolled women will be sicker, and therefore may have more costly health care conditions upon re-enrollment.
 - Medicaid and other public insurance programs bear a significant portion of the cost of untreated postpartum complications. New Jersey found that 53 percent of women who were eligible for Medicaid on the basis of their pregnancy and lose coverage 60 days postpartum reenrolled in the program within two years.⁹⁴
 - Reducing movement in and out of Medicaid lowers average monthly per capita spending in Medicaid, increases utilization of preventive care, reduces the likelihood of inpatient hospital admissions and emergency room visits, and prevents disruption for enrollees, health plans, and providers.⁹⁵
- Advances Accountable Care Models. Gaps in coverage and changes in the source of coverage make implementing value-based

- payment models for maternity care very challenging because no payer maintains responsibility for the mother-baby dyad's care during pregnancy and the postpartum period. By extending the Medicaid postpartum coverage period, states can better incentivize health systems and health plans to provide high-quality and efficient care and be accountable for health outcomes, adding to the benefits that can be accomplished through the extension of the postpartum coverage period.
 - The Center for Medicare and Medicaid Innovation (CMMI) has taken note of the importance of continuity of coverage for advanced payment models. In their Notice of Funding Opportunity for the Maternal Opioid Misuse (MOM) Model, priority was given to applicants that proposed "sustainable postpartum coverage plans that address[ed] the period beyond 60 days after birth."96

Cost and Design Considerations

Below are common cost and design questions that arise as states consider extending their Medicaid postpartum coverage period.

• How should a state estimate the number of women that would be covered by a postpartum coverage extension each year? Different states will have different ways to project the number of women who would be covered depending on their data capacity. Most states will have at least an overall number of women enrolled in Medicaid who gave birth over a year. Therefore, a relatively simple way to estimate the number of women that would be covered by a postpartum coverage extension that provides full Medicaid coverage to all postpartum women is to:

- Use historical Medicaid enrollment data to determine how many Medicaid births occurred in one year;
- Subtract the number of births where the mother was covered by an alternative eligibility category that offers continuing coverage instead of on the basis of her pregnancy (e.g., Medicaid expansion, parent/caretaker relative, Aged, Blind, Disabled); and
- Subtract the number of births covered by Emergency Medicaid since these women would not be eligible for the postpartum coverage extension due to their immigration status.⁹⁷ (see Figure 6 for discussion of options relating to women's immigration status)

This could provide states with an upper bound estimate as it assumes that all mothers who historically did not maintain Medicaid eligibility after 60 days postpartum would receive the postpartum extension coverage. Downward adjustments should then be made as some of these women will likely not continue Medicaid eligibility for reasons such as moving out of state, obtaining subsidized Marketplace coverage, or receiving employer-sponsored coverage. In states where more limited eligibility is under consideration, such as only for women with a substance use disorder (SUD), states would need to factor in other assumptions based on available state data.

Figure 6: State Options for Covering Otherwise Ineligible Immigrant Women

- In general, Medicaid coverage is available to citizens and certain "qualified" noncitizens, many of whom are subject to a five-year waiting period—meaning they must have had their qualified status for at least five years before they can enroll in coverage. 133 States have the option to cover noncitizen pregnant women (and children) who are "lawfully residing" in the U.S., regardless of whether they would otherwise be subject to the five-year waiting period. 134, 135 This option is often referred to as the "ICHIA option" because it incorporates earlier legislation called the Immigrant Children's Health Improvement Act.¹³⁶ As of January 2019, 25 states have adopted this option.137
 - If states currently cover lawfully residing noncitizens through the ICHIA option, an extension of the Medicaid postpartum coverage period would apply to that population of immigrant women because they already receive postpartum coverage for 60 days.
- For pregnant women who are ineligible for coverage due to their immigration status (e.g., lawful permanent residents subject to the five-year waiting period or individuals who are undocumented), states may use CHIP funds to cover prenatal care and delivery, but have less flexibility for covering comprehensive postpartum care. Under this policy option, often referred to as the "unborn child" option, states may cover only prenatal,

labor and delivery, and postpartum care services if they are reimbursed via a bundled labor and delivery fee payment (e.g., the labor and delivery fee may include outpatient office visits for a predetermined period of time or contraceptive care provided to the mother immediately following delivery).¹³⁸ As of January 2019, 16 states have adopted this option.¹³⁹

- If states currently cover undocumented women through the unborn child option, a postpartum coverage extension would not apply to them because they do not currently receive any postpartum coverage.
- Some states have also used CHIP Health Services Initiative (HSI) funding, which allows states to use a portion of their CHIP allotments to pay for public health activities/services, 140, 141 to cover postpartum services provided to immigrant women otherwise ineligible for Medicaid or CHIP. For example, Illinois, which has adopted the ICHIA option for children but not for pregnant women, currently uses HSI funding to cover 60 days of postpartum services provided to the mothers of newborns deemed eligible for Medicaid (e.g., mothers who are qualified immigrants still in their 5-year waiting period or undocumented immigrants). Illinois is proposing to extend postpartum coverage for qualified immigrants in the five-year waiting period to 12 months (as part of its 1115 waiver application) also through HSI funding.142

 How should a state estimate the cost of a postpartum coverage extension, including identifying offsetting savings? To determine the baseline annual cost for a postpartum coverage extension, states can multiply the estimated annual number of women covered by the extension by the estimated per-person cost. For the postpartum period, the most relevant measure of cost is the average monthly expenditures for the parent/caretaker eligibility group (sometimes referred to as the Temporary Assistance for Needy Families (TANF) group) or the new adult eligibility group, depending on whether a state is an expansion or non-expansion state, trended forward. Then states can multiply that by the total number of months the postpartum extension covers not including the current 60-day postpartum period. For example, if a state is doing a 12-month extension, a state can multiply its estimate by 10 months. A state should not use average monthly expenditures for its pregnant women eligibility group when calculating its cost estimate because those expenditures would overstate the postpartum coverage costs.

The effective date will also affect the cost estimate for the first year. States could consider making the effective day half way through the first state fiscal year to reduce costs as states grapple with tight state budgets during and after the COVID-19 pandemic.

To estimate offsetting savings, there are a number of factors states should consider:

 Averted Severe Maternal Morbidity and Properly Managed Chronic Conditions.
 While there is currently not definitive data on the long-term cost savings from improved maternal health outcomes through a postpartum coverage extension, it is undeniable that the extension of postpartum coverage would result in cost savings from averted severe maternal morbidity and averted/properly managed chronic conditions. The medical conditions that can arise during the postpartum period – as identified by the CDC to be indicators of severe maternal morbidity (see Figure 1) – can often be averted or mitigated if coverage and care remain in place.⁹⁸ Consider the following:

- From 2008 to 2012, the total excess costs related to severe maternal morbidity in New York City exceeded \$85 million, an extra \$17 million each year.⁹⁹ As discussed above, the national economic costs of not treating PMADs amounted to \$14.2 billion in 2017, and Medi-Cal spent more than \$210 million in 2011 treating hypertensive disorders.^{100, 101}
- Women in Florida from 2005 to 2015 with severe maternal morbidity had nearly a twofold higher risk of a postpartum SUD within 12 months postpartum.¹⁰² Research has shown that early identification and treatment of postpartum depression can prevent or reverse negative effects of maternal depression for both the mother and child.^{103, 104}
- A CDC study looking at all nonelderly adults found that people with chronic conditions, including hypertension, diabetes, and asthma, who did not have health insurance from 2006 to 2010 were five to six

times more likely to forgo needed care compared to individuals with continuous health insurance and the same chronic conditions.¹⁰⁵
Another study found that having health insurance was associated with improved management and control of diabetes, hypercholesterolemia, and hypertension among adults from 1999 to 2012.¹⁰⁶

- Screening and Certain Treatment for Postpartum Depression. Because CMS allows states to cover a mother's screening and certain treatment for postpartum depression through a child's Medicaid. An offset relating to these costs should be considered.¹⁰⁷
- Averted Administrative Costs from Streamlining Redetermination for Mother and Baby. By providing 12 months of continuous coverage to women postpartum, states can create administrative efficiencies and therefore cost savings by conducting a mother's redetermination at the same time as her infant's instead of doing two separate redeterminations at different times. Savings from these efficiencies can also offset the cost of extending postpartum coverage.
- Averted Family Planning Program Costs and Averted Unplanned Pregnancies.
 First, because the Medicaid postpartum coverage extension would provide family planning benefits, a state can offset the costs that the state would have spent on family planning under other authorities.
 Second, because family planning benefits avert unplanned pregnancies,

- states can offset the costs states would have otherwise spent on those future unplanned pregnancies. States can estimate averted births and related maternal and infant care as a result of the postpartum coverage extension by utilizing the methodology used for family planning waiver applications.^{108, 109} For example, Alabama's family planning waiver extension application submitted in 2014 compared the birth rate of women in their family planning waiver program to the birth rate of the general population in the state before the start of the program and estimated 10,703 averted births and \$74.9 million in associated Medicaid cost savings from the program over one demonstration year. Cost savings were based on the estimated cost of maternity care, including the infant's first year of life.¹¹⁰ While Texas's 12-month postpartum coverage extension bill ultimately did not pass, its fiscal note estimated \$198.6 million in savings associated with averted births by fiscal year 2024.111
- How long should the postpartum coverage extension be? Given the broad consensus among experts, states should strive to extend Medicaid coverage to 12 months postpartum. However, 12 months may be difficult in some states due to budget constraints. For example, New Jersey passed a six-month extension after first considering a 12-month extension.

- · What benefits would a postpartum coverage extension include? States should offer full benefit coverage for pregnant and postpartum women in order to properly treat chronic conditions, address the whole person, and avoid the administrative burden of limiting benefits. For example, New Jersey and Illinois are proposing to provide full Medicaid benefits in its postpartum coverage extension. However, some states, such as Missouri, are considering more narrow benefits for cost reasons. Services under Missouri's postpartum coverage extension would be limited to SUD treatment, mental health services related to the SUD treatment, and transportation to and from the SUD treatment.113
- What population would a postpartum coverage extension apply to? To be most effective, the extension of the Medicaid postpartum coverage period should apply to all postpartum women enrolled in the program, regardless of eligibility group. Most states that have moved forward are doing so. For example, Illinois is proposing to extend the Medicaid postpartum coverage period to 12 months for all women qualifying for Medicaid on the basis of their pregnancy. This approach ensures that all women have the same assurance of coverage after they give birth. As a way to limit costs and prioritize coverage in a state that is resistant to expansions of public coverage, Missouri's proposal would

- only extend the postpartum coverage period to women with a SUD diagnosis.¹¹⁴ While Missouri's annual state cost estimate for its postpartum coverage extension went from \$42.8 million for full Medicaid benefits for all postpartum women to \$1.9 million in state general funds for targeted SUD benefits for women with a SUD diagnosis, Missouri estimates that out of an annual 28,762 Medicaid births, only 684 women will be eligible for the postpartum coverage extension each year.^{115, 116, 117}
- Can a postpartum coverage extension apply to pregnant women covered under **CHIP?** States that provide CHIP coverage to low-income pregnant women with incomes too high to be eligible for Medicaid coverage can choose to include this population in a postpartum coverage extension. Six states currently provide CHIP coverage to low-income pregnant women.¹¹⁸ For example, New Jersey is proposing to cover its Medicaid and CHIP pregnant women populations under its six-month postpartum coverage extension.¹¹⁹ However, states that use CHIP funds to cover prenatal services and labor and delivery only, often referred to as the "unborn child" option, cannot extend the postpartum coverage extension to this population because they currently do not receive any postpartum coverage.

Effectuating the Medicaid Postpartum Coverage Extension

Below are answers to key questions about states seeking federal matching funds to adopt a Medicaid postpartum coverage extension. If states are funding their postpartum coverage extensions with state-only dollars, they do not need federal authority.

- Does a state need federal approval before implementing a Medicaid postpartum coverage extension? Yes. In order to receive federal Medicaid matching funds for a Medicaid postpartum coverage extension, a state will need to propose or amend a Section 1115 waiver. Illinois, Missouri, and New Jersey have sought Section 1115 waiver approval for a Medicaid postpartum coverage extension, and other states can use their waiver applications as a prototype.^{120, 121, 122} To date CMS has not yet acted on these requests, and the COVID-19 pandemic will likely delay CMS action on these waiver applications.¹²³
- Does my state need to pass legislation to submit a Section 1115 waiver? Some states require legislative authority before a governor can submit a Section 1115 waiver application while other states do not require state legislature approval. Regardless, a state will need to have state funding authorized in its Medicaid budget to cover the state share

of the postpartum coverage extension. State funding does not need to be secured before a state seeks a waiver, although CMS may ask about the expected sources of state funding.

- What federal match can a state expect to receive for extending Medicaid postpartum coverage? If a state receives federal approval from CMS to implement a postpartum coverage extension, the state would receive federal matching funds for the postpartum coverage extension at the state's regular Federal Medical Assistance Percentage (FMAP), and the state would be responsible for the state share.¹²⁴
- Can a state submit a State Plan
 Amendment (SPA) instead of a Section
 1115 waiver for a Medicaid postpartum
 coverage extension? No. At present, there is not an option to receive federal approval for a postpartum coverage extension in Medicaid or CHIP through a SPA. Federal legislation is pending that would create that option.
- What does it mean that an 1115 waiver needs to be budget neutral, and what are the different ways states can approach budget neutrality in their waiver applications? Section 1115 waivers are required to be budget neutral, meaning that the changes proposed in the 1115 waiver cannot cost more to the federal government

than the state's Medicaid program would have cost absent the waiver. The state can meet the requirements in a few different ways. The state can offset the cost if it has accrued budget neutrality savings through a previously approved waiver or if the new waiver request includes features that will reduce federal Medicaid spending, offsetting the new cost.^{125, 126} Alternatively, CMS could consider the new expenditures as "hypotheticals" or "passthroughs" on the basis the waiver. essentially substitutes for other Medicaid spending a state could have done without the waiver. Under this approach, which is the most advantageous way for a state to proceed, these calculations are not required.

Since CMS has not acted on any of the postpartum extension waivers to date, it is not clear how they will approach budget neutrality. States that have already submitted waiver requests to CMS have approached budget neutrality in two ways. Illinois and Missouri treated the new expenditures for the postpartum coverage extension as "passthrough" expenditures under the waiver, citing that approach is in accordance with recent CMS quidance. 127, 128, 129, 130 New Jersey, however, is not treating the expenditures as passthrough and has submitted its data to CMS showing overall its waiver (considering other components) is budget neutral to the federal government.^{131, 132}

Advocacy Tips

Finding the right framing and identifying a catalyst to build support for addressing the maternal health crisis will be critical to garnering support to extend Medicaid postpartum coverage at the state level. Circumstances will of course be different in every state. Below are tips gleaned from efforts in various states.

- Identify a catalyst for change to support the Medicaid postpartum coverage extension. A catalyst could be an event or report that people then rally around or a leader who can help galvanize support. For example, Illinois's Maternal Morbidity and Mortality Report in October 2018, which found that 93 women died within one year of pregnancy in 2015 and recommended extending the Medicaid postpartum coverage period to 12 months, garnered significant press coverage and helped create public support. New Jersey's First Lady Tammy Murphy created a statewide awareness campaign designed to reduce
- infant and maternal mortality and morbidity and ensure equitable maternal and infant care among women and children of all races and ethnicities. The campaign has supported the postpartum coverage extension.¹⁴⁴
- Frame the policy to fit the context of a state's coverage landscape, particularly whether the state has expanded Medicaid. In expansion states, the postpartum coverage extension can be framed as an essential step to ensuring ongoing postpartum coverage for the pregnant women Medicaid now covers. In some non-expansion states, depending on a state's particular circumstances, the framing could focus on "continuing coverage" for women to address the maternal health crisis versus "expanding coverage". Advocates can focus the arguments on how this policy is a targeted and simple approach to addressing the maternal health crisis.
- Secure bipartisan sponsorship and key committee leadership support in the state legislature. Identifying bipartisan sponsors and garnering committee support for a postpartum coverage extension bill will improve the chances of the bill successfully passing.
- Frame the postpartum coverage extension as a first in order approach for addressing the maternal health crisis. Extending the Medicaid postpartum coverage period is foundational to other approaches.
- Advocate for more research on the longterm cost savings from a postpartum coverage extension. It is imperative to accelerate the research agenda on improved long-term health outcomes from continuous postpartum coverage and the subsequent cost savings to support the postpartum coverage extension policy efforts.



Identify a catalyst for change to support the Medicaid postpartum coverage extension.



Frame the policy to fit the context of a state's coverage landscape, particularly whether the state has expanded Medicaid.



Secure bipartisan sponsorship and key committee leadership support in the state legislature.



Frame the postpartum coverage extension as a first in order approach for addressing the maternal health crisis.



Advocate for more research on the long-term cost savings from a postpartum coverage extension.

Conclusion

Given the maternal health crisis across the U.S., states face an imperative to act. With nearly half of all U.S. births covered by Medicaid, states have an opportunity and responsibility to improve maternal health and address disparities in health outcomes. Extending the Medicaid postpartum coverage period from the current 60 days to a full 12 months is the simplest and most targeted way to address coverage loss and continuity of care for postpartum women in both expansion and non-expansion states. Currently, three states have pending Section 1115 waivers at CMS for authority to receive federal matching funds for a postpartum coverage extension, and many other states are considering taking this step. While a Medicaid postpartum coverage extension will not single-handedly solve the maternal health crisis, it is foundational to most other efforts because it provides vital coverage and continuity of care to postpartum women during an extremely vulnerable time.

This analysis was conducted with support from Johnson & Johnson and developed in partnership with Manatt Health.

The following organizations contributed thought leadership to the development of this product:

- Center on Budget and Policy Priorities
- Guttmacher Institute
- National Association of Nurse Practitioners in Women's Health
- Preeclampsia Foundation
- Washington University in St. Louis



Appendix 1. More than 60 national organizations support extending the Medicaid postpartum coverage to 12 months

2020 Mom / Mom Congress

AFE Foundation

AIDS Alliance for Women, Infants, Children, Youth

& Families

America's Essential Hospitals

America's Health Insurance Plans

American Academy of Family Physicians

American Academy of Pediatrics

American Association of Birth Centers

American College of Nurse-Midwives

American College of Obstetricians and Gynecologists

American College of Physicians

American Hospital Association

American Medical Association

American Nurses Association

American Osteopathic Association

American Psychiatric Association

American Public Health Association

Anthem, Inc.

APS Foundation of America, Inc.

Association for Community Affiliated Plans

Association of Maternal & Child Health Programs

Association of Women's Health, Obstetric and

Neonatal Nurses

Black Mammas Matter Alliance

Black Woman's Health Imperative

Blue Cross Blue Shield Association

Center for Law and Social Policy

Center for Reproductive Rights

Coalition for Disability Health Equity

Community Catalyst Women's Health Program

Every Mother Counts

Expecting Health

Families USA

First Focus Campaign for Children

Guttmacher Institute

Hyperemesis Education & Research Foundation

March for Moms

March of Dimes

Medicaid Health Plans of America

MomsRising

NAACP

National Accreta Foundation

National Association of Nurse Practitioners in

Women's Health

National Association of Pediatric Nurse Practitioners

National Association of School Nurses

National Birth Equity Collaborative

National Family Planning & Reproductive Health

Association

National Health Law Program

National Partnership for Women & Families,

National Perinatal Task Force

National WIC Association

National Women's Health Network

Nurse-Family Partnership

PCOS Challenge: The National Polycystic Ovary

Syndrome Association

Physician Assistant Education Association

Preeclampsia Foundation

Save The Mommies Inc

Sepsis Alliance

Shades Of Blue Project

Society for Maternal-Fetal Medicine

The Catholic Health Association of the United States

The PPROM Foundation

The Shane Foundation

WomenHeart

Young Invincibles

Appendix 2. Medicaid and CHIP Income Eligibility Limits for Pregnant Women and Parents/Caretaker Relatives as a Percent of the Federal Poverty Level, as of January 2020

	Preç	Pregnant Women		
	Medicaid	CHIP	Medicaid	
US Median	200%	262%	138%	
Alabama	146%	n/a	18%	
Alaska	205%	n/a	138%	
Arizona	161%	n/a	138%	
Arkansas	214%	n/a	138%	
California	213%	n/a	138%	
Colorado	200%	265%	138%	
Connecticut	263%	n/a	160%	
Delaware	217%	n/a	138%	
District of Columbia	324%	n/a	221%	
Florida	196%	n/a	31%	
Georgia	225%	n/a	35%	
Hawaii	196%	n/a	138%	
Idaho	138%	n/a	138%	
Illinois	213%	n/a	138%	
Indiana	218%	n/a	138%	
lowa	380%	n/a	138%	
Kansas	171%	n/a	38%	
Kentucky	200%	n/a	138%	
Louisiana	138%	n/a	138%	
Maine	214%	n/a	138%	
Maryland	264%	n/a	138%	
Massachusetts	205%	n/a	138%	
Michigan	200%	n/a	138%	
Minnesota	283%	n/a	138%	
Mississippi	199%	n/a	26%	

	Pregnar	Parents/ Caretaker Relatives (in a family of three)	
	Medicaid	CHIP	Medicaid
Missouri	201%	305%	21%
Montana	162%	n/a	138%
Nebraska	199%	n/a	63%
Nevada	165%	n/a	138%
New Hampshire	201%	n/a	138%
New Jersey	199%	205%	138%
New Mexico	255%	n/a	138%
New York	223%	n/a	138%
North Carolina	201%	n/a	41%
North Dakota	162%	n/a	138%
Ohio	205%	n/a	138%
Oklahoma	138%	n/a	41%
Oregon	190%	n/a	138%
Pennsylvania	220%	n/a	138%
Rhode Island	195%	258%	138%
South Carolina	199%	n/a	67%
South Dakota	138%	n/a	48%
Tennessee	200%	n/a	94%
Texas	203%	n/a	17%
Utah	144%	n/a	138%
Vermont	213%	n/a	138%
Virginia	148%	205%	138%
Washington	198%	n/a	138%
West Virginia	190%	305%	138%
Wisconsin	306%	n/a	100%
Wyoming	159%	n/a	53%

Note: Medicaid/CHIP income eligibility limits reflect Modified Adjusted Gross Income (MAGI)-converted income standards and include 5% FPL disregard.

Source: Kaiser Family Foundation. Medicaid and CHIP Eligibility, Enrollment, Renewal, and Cost Sharing Policies as of January 2020: Findings from a 50-State Survey. San Francisco, CA: Kaiser Family Foundation; March 2020. https://www.kff.org/report-section/medicaid-and-chip-eligibility-enrollment-and-cost-sharing-policies-as-of-january-2020-findings-from-a-50-state-survey-tables/ Accessed April 3, 2020.

References

- 1 Kassebaum NJ, Barber RM, Bhutta ZA, et al. Global, regional, and national levels of maternal mortality, 1990–2015: a systematic analysis for the Global Burden of Disease Study 2015. The Lancet. 2016;388(10053):1775-1812. doi:10.1016/S0140-6736(16)31470-2
- 2 Gunja M, Tikkanen R, Seervai S, et al. What is the status of women's health and health care in the U.S. compared to ten other countries. New York, NY: The Commonwealth Fund; December 2019. https://www.commonwealthfund.org/sites/default/files/2018-12/Gunja status womens health sb.pdf. Accessed February 22, 2020.
- 3 Petersen EE, Davis NL, Goodman D, et al. Vital signs: pregnancy-related deaths, United States, 2011–2015, and strategies for prevention, 13 States, 2013–2017. MMWR Morb Mortal Wkly Rep. 2019;68:423–429. doi:10.15585/mmwr.mm6818e1
- 4 Centers for Disease Control and Prevention. Severe maternal morbidity in the United States. https://www.cdc.gov/reproductivehealth/maternalinfanthealth/sever-ematernalmorbidity.html. Accessed February 22, 2020.
- 5 Heberlein M. Medicaid's role in financing maternity care. Washington, DC: Medicaid and CHIP Payment and Access Commission (MACPAC); December 13, 2019. https://www.macpac.gov/publication/medic-aids-role-in-financing-maternity-care/. Accessed June 1, 2020.
- 6 Admon LK, Winkelman TNA, Moniz MH, Davis MM, Heisler M, Dalton VK. Disparities in chronic conditions among women hospitalized for delivery in the United States, 2005–2014. Obstet Gynecol. 2017;130(6):1319-1326. doi:10.1097/AOG.0000000000002357
- 7 Hoyert DL, Miniño AM. Maternal mortality in the United States: changes in coding, publication, and data release, 2018. Natl Vital Stat Rep. 2020;69(2):1-18. https://www.cdc.gov/nchs/data/nvsr/nvsr69/ nvsr69_02-508.pdf. Accessed February 22, 2020.

- 8 Kassebaum NJ, Barber RM, Bhutta ZA, et al. Global, regional, and national levels of maternal mortality, 1990–2015: a systematic analysis for the Global Burden of Disease Study 2015. The Lancet. 2016;388(10053):1775-1812. doi:10.1016/S0140-6736(16)31470-2
- 9 Gunja M, Tikkanen R, Seervai S, et al. What is the status of women's health and health care in the U.S. compared to ten other countries. New York, NY: The Commonwealth Fund; December 2019. https://www.commonwealthfund.org/sites/default/files/2018-12/Gunja status womens health sb.pdf. Accessed February 22, 2020.
- 10 Centers for Disease Control and Prevention (CDC). Pregnancy mortality surveillance system. https://www.cdc.gov/reproductivehealth/maternal-mortality/pregnancy-mortality-surveillance-system.htm. Accessed February 22, 2020.
- Hoyert DL, Miniño AM. Maternal mortality in the United States: changes in coding, publication, and data release, 2018. Natl Vital Stat Rep. 2020;69(2):1-18. https://www.cdc.gov/nchs/data/nvsr/nvsr69/ nvsr69 02-508.pdf. Accessed February 22, 2020.
- Petersen EE, Davis NL, Goodman D, et al. Vital signs: pregnancy-related deaths, United States, 2011–2015, and strategies for prevention, 13 States, 2013–2017. MMWR Morb Mortal Wkly Rep. 2019;68:423–429. doi:10.15585/mmwr.mm6818e1
- 13 Petersen EE, Davis NL, Goodman D, et al. Vital signs: pregnancy-related deaths, United States, 2011–2015, and strategies for prevention, 13 States, 2013–2017. MMWR Morb Mortal Wkly Rep. 2019;68:4nvsr23–429. doi:10.15585/mmwr.mm6818e1
- 14 Centers for Disease Control and Prevention. Severe maternal morbidity in the United States. https://www.cdc.gov/reproductivehealth/maternalinfanthealth/sever-ematernalmorbidity.html. Accessed February 22, 2020.
- 15 Centers for Disease Control and Prevention. Severe maternal morbidity in the United States. https://www.cdc.gov/reproductivehealth/maternalinfanthealth/sever-ematernalmorbidity.html. Accessed February 22, 2020.

- 16 New York City Department of Health and Mental Hygiene. Severe Maternal Morbidity in New York City, 2008-2012. New York, NY: New York City Department of Health and Mental Hygiene; 2016. https://www1. nyc.gov/assets/doh/downloads/pdf/data/maternal-morbidity-report-08-12.pdf. Accessed February 22, 2020.
- 17 New York City Department of Health and Mental Hygiene. Severe Maternal Morbidity in New York City, 2008-2012. New York, NY: New York City Department of Health and Mental Hygiene; 2016. https://www1.nyc.gov/assets/doh/downloads/pdf/data/maternal-morbidity-report-08-12.pdf. Accessed February 22, 2020.
- 18 Centers for Disease Control and Prevention (CDC). How does CDC identify severe maternal morbidity? https://www.cdc.gov/reproductivehealth/maternalin-fanthealth/smm/severe-morbidity-ICD.htm. Accessed February 22, 2020.
- 19 Heberlein M. Medicaid's role in financing maternity care. Washington, DC: Medicaid and CHIP Payment and Access Commission (MACPAC); December 13, 2019. https://www.macpac.gov/publication/medicaids-role-in-financing-maternity-care/. Accessed June 1, 2020.
- 20 Kaiser Family Foundation State Health Facts. Births financed by Medicaid. https://www.kff.org/medicaid/state-indicator/births-financed-by-medicaid/. Accessed February 22, 2020.
- 21 Medicaid and CHIP Payment and Access Commission (MACPAC). Access in brief: pregnant women and Medicaid. Washington. DC: Medicaid and CHIP Payment and Access Commission (MACPAC); November 2018. https://www.macpac.gov/wp-content/uploads/2018/11/Pregnant-Women-and-Medicaid.pdf. Accessed February 22, 2020.
- 22 Admon LK, Winkelman TNA, Moniz MH, Davis MM, Heisler M, Dalton VK. Disparities in chronic conditions among women hospitalized for delivery in the United States, 2005–2014. Obstet Gynecol. 2017;130(6):1319-1326. doi:10.1097/AOG.0000000000002357

- 23 Medicaid and CHIP Payment and Access Commission (MACPAC). Access in brief: pregnant women and Medicaid. Washington. DC: Medicaid and CHIP Payment and Access Commission (MACPAC); November 2018. https://www.macpac.gov/wp-content/uploads/2018/11/Pregnant-Women-and-Medicaid.pdf. Accessed February 22, 2020.
- 24 In 2018, a total of 658 women were identified as having died of maternal causes in the United States, and an additional 277 deaths were reported as having occurred more than 42 days but less than 1 year after delivery in 2018. These numbers are based on an updated method of coding (the "2018 method") maternal deaths based on the implementation of a revised U.S. Standard Certificate of Death.
- 25 Hoyert DL, Miniño AM. Maternal mortality in the United States: changes in coding, publication, and data release, 2018. Natl Vital Stat Rep. 2020;69(2):1-18. https://www.cdc.gov/nchs/data/nvsr/nvsr69/ nvsr69_02-508.pdf. Accessed February 22, 2020.
- 26 Illinois Department of Healthcare and Family Services. Illinois Continuity of Care & Administrative Simplification 1115 waiver (pending application). Springfield, IL: Illinois Department of Healthcare and Family Services; January 15, 2020. https://www.medicaid.gov/Medicaid-CHIP-Program-Information/By-Topics/Waivers/1115/downloads/il/il-continuity-care-admin-simplification-pa.pdf. Accessed February 22, 2020.
- 27 Maternal Mortality and Morbidity Task Force. Maternal Mortality and Morbidity Task Force and Department of State Health Services joint biennial report. Austin, TX: Texas Health and Human Services; September 2018. https://www.dshs.texas.gov/mch/pdf/MMMTFJoin-tReport2018.pdf. Accessed February 22, 2020.
- 28 Baker M. Virginia infant and maternal mortality review annual report: maternal CY 2013; infant CY 2012. Charleston, WV: West Virginia Department of Health and Human Resources, Bureau for Public Health; December 15, 2015. https://reviewtoaction.org/sites/default/files/portal-resources/2015%20legislative%20-report.pdf. Accessed February 22, 2020.
- 29 In this study, postpartum coverage is defined as the timing of the CDC Pregnancy Risk Assessment Monitoring System (PRAMS) postpartum interview, which occurs 3-6 months after childbirth for most women.

- 30 Daw J, Kozhimannil K, Admon L. High rates of perinatal insurance churn persist after the ACA. Health Affairs Blog; 2019 Sept 16. doi:10.1377/ hblog20190913.387157
- 31 Daw J, Kozhimannil K, Admon L. High rates of perinatal insurance churn persist after the ACA. Health Affairs Blog; 2019 Sept 16. doi:10.1377/hblog20190913.387157.
- 32 American College of Obstetricians and Gynecologists (ACOG), et al. Letter of support for HR 4995, the Maternal Health Quality Improvement Act of 2019, and HR 4996, the Helping Medicaid Offer Maternity Services Act of 2019; December 12, 2019. https://www.acog.org/news/news-releases/2019/11/acog-ap-plauds-us-house-for-advancing-maternal-health-bills. Accessed June 1, 2020.
- 33 U.S. Congresswoman Ayanna Pressley. Rep. Pressley, colleagues announce successful committee mark-up of critical bipartisan maternal health legislation. https://pressley.house.gov/media/press-releases/rep-pressley-colleagues-announce-successful-committee-markup-critical. Published November 14, 2019. Accessed February 22, 2020.
- 34 American Hospital Association (AHA). AHA letter of support for H.R. 4996, the Helping Medicaid Offer Maternity Services Act.. Washington, DC: American Hospital Association (AHA); November 19, 2019. https://www.aha.org/system/files/media/file/2019/11/ aha-support-hr-4996-the-helping-medicaid-offer-maternity-services-act-11-19-19.pdf. Accessed February 22, 2020.
- 35 Centers for Disease Control and Prevention (CDC). Pregnancy mortality surveillance system. https://www.cdc.gov/reproductivehealth/maternal-mortality/pregnancy-mortality-surveillance-system.htm. Accessed February 22, 2020.
- 36 Illinois Department of Public Health. Illinois maternal morbidity and mortality report. Springfield, IL: Illinois Department of Public Health; October 2018. http://dph.illinois.gov/sites/default/files/publications/publicationsowhmaternalmorbiditymortalityreport112018. pdf. Accessed February 22, 2020.

- 37 Maternal Mortality and Morbidity Task Force. Maternal Mortality and Morbidity Task Force and Department of State Health Services joint biennial report. Austin, TX: Texas Health and Human Services; September 2018. https://www.dshs.texas.gov/mch/pdf/MMMTFJoin-tReport2018.pdf. Accessed February 22, 2020.
- 38 State of Georgia. House of Representatives Study Committee on Maternal Mortality. Atlanta, GA: State of Georgia House of Representatives Budget & Research Office; 2019. http://www.house.ga.gov/Documents/Committee-Documents/2019/MaternalMortality/HR_589_Final_Report.pdf. Accessed February 22, 2020.
- 39 American Medical Association (AMA). AMA adopt new policies at 2019 annual meeting. https://www.ama-assn.org/press-center/press-releases/ama-adopts-new-policies-2019-annual-meeting. Published June 12, 2019. Accessed February 22, 2020.
- 40 The American College of Obstetricians and Gynecologists (ACOG). ACOG Statement on AMA support for 12 Months of postpartum coverage under Medicaid. https://www.acog.org/news/news-releases/2019/06/acog-statement-on-ama-support-for-12-months-of-postpartum-coverage-under-medicaid. Published June 12, 2019. Accessed June 1, 2020.
- 41 The American College of Obstetricians and Gynecologists (ACOG). ACOG applauds U.S. House for advancing maternal health bills. https://www.acog.org/About-ACOG/News-Room/Statements/2019/ACOG-Applauds-US-House-for-Advancing-Maternal-Health-Bills. Published November 21, 2019. Accessed February 22, 2020.
- 42 Collen JS. Helping Medicaid Offer Maternity Services Act (HR 4996) letter of support. Washington, DC: American Academy of Family Physicians (AAFP); November 22, 2019. https://www.aafp.org/dam/AAFP/documents/advocacy/prevention/women/LT-KellyBurgess-SupportHR4996MedicaidMH-112219.pdf. Accessed February 22, 2020.
- 43 Society for Maternal Fetal Medicine. Advocate for moms this Mother's Day. https://www.smfm.org/mothersday. Accessed February 22, 2020.

- 44 American College of Obstetricians and Gynecologists, et al. Letter of support for HR 4995, the Maternal Health Quality Improvement Act of 2019, and HR 4996, the Helping Medicaid Offer Maternity Services Act of 2019; December 12, 2019. https://www.acog.org/news/news-releases/2019/11/acog-applauds-us-house-for-advancing-maternal-health-bills. Accessed June 1, 2020.
- 45 Medicaid Health Plans of America (MHPA). MHPA letter of support -for HR 4996, Helping Medicaid Offer Maternity Services (MOMS) Act of 2019. Washington, DC: MHPA; November 18, 2019. https://www.medicaidplans.org/docs/2019MHPALetter of Support HR.4996 Helping MOMS Act.pdf. Accessed February 22, 2019.
- 46 Black Women's Health Imperative (BWHI). BWHI applauds legislation to address high maternal mortality rates for black women. https://bwhi.org/2018/05/09/bwhi-applauds-legislation-to-address-high-mater-nal-mortality-rates-for-black-women/. Published May 9, 2018. Accessed February 22, 2020.
- 47 MomsRising. We need to expand Medicaid to save pregnant and postpartum people! https://action.momsrising.org/sign/Helping_Moms_Act_12512/. Accessed February 22, 2020.
- Several bills have been introduced in the House and Senate. In November 2019, the House Energy & Commerce Committee passed bipartisan legislation—H.R. 4996, Helping Medicaid Offer Maternity Services (MOMS) Act of 2019—to give states the option to extend Medicaid/CHIP coverage postpartum, with a 5 percent enhanced matching rate. See U.S. House of Representatives, House Committee on Energy & Commerce. H.R. 4996, the "Helping Medicaid Offer Maternity Services (MOMS) Act of 2019," as forwarded by the Subcommittee on Health on November 13, 2019.
- 49 McMorrow S, Kenney GM, Johnston EM, Haley J. Extending postpartum Medicaid coverage beyond 60 days could benefit over 200,000 low-income uninsured citizen new mothers. The Incidental Economist; 2020 Feb 4. https://theincidentaleconomist.com/wordpress/extending-postpartum-medicaid/. Accessed Feb 22, 2020.

- 50 Brook RH, Keeler EB, Lohr KN, et al. The health insurance experiment: a classic RAND study speaks to the current health care reform debate. Santa Monica, CA: The RAND Corporation; 2006. https://www.rand.org/pubs/research_briefs/RB9174.html. Accessed February 22, 2020.
- 51 Wright BJ, Carlson MJ, Allen H, Holmgren AL, Rustvold DL. Raising premiums and other costs for Oregon health plan enrollees drove many to drop out. Health Aff (Millwood). 2010;29(12):2311-2316. doi:10.1377/hlthaff.2010.0211.
- 52 Brook RH, Keeler EB, Lohr KN, et al. The health insurance experiment: a classic RAND study speaks to the current health care reform debate. Santa Monica, CA: The RAND Corporation; 2006. https://www.rand.org/pubs/research_briefs/RB9174.html. Accessed February 22, 2020.
- 53 Ku L, Coughlin T. Sliding scale premium health insurance programs: four states' experiences. Inquiry. 1999/2000; 36(4):471-480. https://www.jstor.org/stable/29772862?seg=1 Accessed February 22, 2020.
- 54 Wright BJ, Carlson MJ, Allen H, Holmgren AL, Rustvold DL. Raising premiums and other costs for Oregon health plan enrollees drove many to drop out. Health Aff (Millwood). 2010;29(12):2311-2316. doi:10.1377/hlthaff.2010.0211.
- 55 Kaiser Family Foundation. Women's coverage, access, and affordability: key findings from the 2017 Kaiser Women's Health Survey. San Francisco, CA: Kaiser Family Foundation; March 13, 2018. https://www.kff.org/womens-health-policy/issue-brief/womens-coverage-access-and-affordability-key-findings-from-the-2017-kaiser-womens-health-survey/ Accessed February 22, 2020.
- 56 Dalton VK, Carlos RC, Kolenic GE, et al. The impact of cost sharing on women's use of annual examinations and effective contraception. Am J Obstet Gynecol. 2018;219(1):93.e1-93.e13. doi:10.1016/j.ajog.2018.04.051

- 57 Illinois Department of Healthcare and Family Services. Illinois Continuity of Care & Administrative Simplification 1115 waiver (pending application). Springfield, IL: Illinois Department of Healthcare and Family Services; January 15, 2020. https://www.medicaid.gov/Medicaid-CHIP-Program-Information/By-Topics/Waivers/1115/downloads/il/il-continuity-care-admin-simplification-pa.pdf. Accessed February 22, 2020.
- 58 Kaiser Family Foundation State Health Facts. Medicaid and CHIP income eligibility limits for pregnant women as a percent of the Federal Poverty Level, as of January 1, 2020. 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/. Accessed April 3, 2020.
- 59 Kaiser Family Foundation State Health Facts. Medicaid income eligibility limits for adults as a percent of the Federal Poverty Level, as of January 1, 2020. https://www.kff.org/health-reform/state-indicator/medicaid-income-eligibility-limits-for-adults-as-a-percent-of-the-federal-poverty-level/. Accessed April 3, 2020.
- 60 Kaiser Family Foundation. Health insurance marketplace calculator. https://www.kff.org/interactive/sub-sidy-calculator/. Published October 31, 2019. Accessed February 22, 2020.
- 61 U.S. Department of Health and Human Services, Office of the Secretary. Annual Update of the HHS Poverty Guidelines. Fed Regist. 2020 Jan 17;85(12):3060-3061 https://www.govinfo.gov/content/pkg/FR-2020-01-17/pdf/2020-00858.pdf. Accessed February 22, 2020.
- 62 Kaiser Family Foundation. Where are states today? Medicaid and CHIP eligibility levels for children, pregnant women, and adults. San Francisco, CA: Kaiser Family Foundation, March 31, 2019. https://www.kff.org/medicaid/fact-sheet/where-are-states-today-medicaid-and-chip/. Accessed February 22, 2020.
- 63 Kaiser Family Foundation State Health Facts. Medicaid and CHIP income eligibility limits for pregnant women as a percent of the Federal Poverty Level, as of January 1, 2020. 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/. Accessed April 3, 2020.

- 64 Kaiser Family Foundation State Health Facts. Medicaid income eligibility limits for adults as a percent of the Federal Poverty Level, as of January 1, 2020. https://www.kff.org/health-reform/state-indicator/medicaid-income-eligibility-limits-for-adults-as-a-percent-of-the-federal-poverty-level/. Accessed April 3, 2020.
- Kaiser Family Foundation. Health insurance marketplace calculator. https://www.kff.org/interactive/sub-sidy-calculator/. Published October 31, 2019. Accessed February 22, 2020.
- 66 U.S. Department of Health and Human Services, HHS Poverty Guidelines For 2020. 85 Federal Register 3060-3061; https://www.federalregister.gov/documents/2020/01/17/2020-00858/annual-update-of-the-hhs-poverty-guidelines. Published January 17, 2020. Accessed February 22, 2020.
- 67 Kaiser Family Foundation State Health Facts. Medicaid and CHIP income eligibility limits for pregnant women as a percent of the Federal Poverty Level, as of January 1, 2020. 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/. Accessed April 3, 2020.
- Kaiser Family Foundation State Health Facts. Medicaid income eligibility limits for adults as a percent of the Federal Poverty Level, as of January 1, 2020. https://www.kff.org/health-reform/state-indicator/medicaid-income-eligibility-limits-for-adults-as-a-percent-of-the-federal-poverty-level/. Accessed April 3, 2020.
- 69 Kaiser Family Foundation State Health Facts. Medicaid and CHIP income eligibility limits for pregnant women as a percent of the Federal Poverty Level, as of January 1, 2020. 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/. Accessed April 3, 2020.
- 70 Kaiser Family Foundation State Health Facts. Medicaid income eligibility limits for adults as a percent of the Federal Poverty Level, as of January 1, 2020. https://www.kff.org/health-reform/state-indicator/medicaid-income-eligibility-limits-for-adults-as-a-percent-of-the-federal-poverty-level/. Accessed April 3, 2020.

- 71 Centers for Disease Control and Prevention Foundation. Building U.S. capacity to review and prevent maternal deaths: report from nine maternal mortality review committees. Atlanta, GA: Centers for Disease Control and Prevention Foundation, 2018. https://www.cdcfoundation.org/sites/default/files/files/ReportfromNineMMRCs.pdf Accessed February 22, 2020.
- 72 Illinois Department of Healthcare and Family Services. Illinois Continuity of Care & Administrative Simplification 1115 waiver (pending application). Springfield, IL: Illinois Department of Healthcare and Family Services; January 15, 2020. https://www.medicaid.gov/Medicaid-CHIP-Program-Information/By-Topics/Waivers/1115/downloads/il/il-continuity-care-admin-simplification-pa.pdf. Accessed February 22, 2020.
- 73 Social Security Act, Section 1902(e)(4).
- 74 HealthyPeople.gov. Healthy People 2020: Access to health services. https://www.healthypeople.gov/2020/topics-objectives/topic/Access-to-Health-Services. Accessed February 22, 2020.
- 75 Hadley J. Sicker and poorer-the consequences of being uninsured: a review of the research on the relationship between health insurance, medical care use, health, work, and income.

 Med Care Res Rev. 2003;60(2 Suppl):3S-75S. doi:10.1177/1077558703254101.
- 76 Van der Wees PJ, Zaslavsky AM, Ayanian JZ. Improvements in health status after Massachusetts health care reform. Milbank Q. 2013;91(4):663-689. doi:10.1111/1468-0009.12029.
- 77 Goldin J, Lurie IZ, McCubbin J. Health insurance and mortality: experimental evidence from taxpayer outreach. NBER Work Pap Ser. 2019;26533. doi:10.3386/ w26533.
- 78 Centers for Disease Control and Prevention (CDC). Vital signs: health insurance coverage and health care utilization- United States, 2006-2009 and January-March 2010. MMWR. 2010 Nov 9;59(Early Release):1-7. https://www.cdc.gov/mmwr/preview/mmwrhtml/mm59e1109a1.htm. Accessed February 22, 2020.

- 79 Wang T-F, Shi L, Nie X, Zhu J. Race/ethnicity, insurance, income and access to care: the influence of health status. Int J Equity Health. 2013;12(1):29. doi:10.1186/1475-9276-12-29.
- 80 Villarroel MA, Cohen RA. Health insurance continuity and health care access and utilization 2014. NCHS Data Brief No. 249. Hyattsville, MD: Centers for Disease Control and Prevention, National Center for Health Statistics; May 2016. https://www.cdc.gov/nchs/products/databriefs/db249.htm. Accessed February 22, 2020.
- 81 Wherry LR, Miller S. Early coverage, access, utilization, and health effects associated with the Affordable Care Act Medicaid expansions: a quasi-experimental study. Ann Intern Med. 2016;164(12):795-803. doi:10.7326/M15-2234.
- 82 Institute of Medicine (US) Committee on Health Insurance Status and Its Consequences. America's uninsured crisis: consequences for health and health care. Washington,DC: National Academies Press; 2009. http://www.ncbi.nlm.nih.gov/books/NBK214966/. Accessed February 22, 2020.
- 83 Eliason EL. Adoption of Medicaid expansion is associated with lower maternal mortality. Women's Health Issues. 2020; S1049-3867(20)30005-0 [Epub ahead of print]. doi:10.1016/j.whi.2020.01.005.
- 84 Gordon SH, Sommers BD, Wilson IB, Trivedi AN. Effects of Medicaid expansion on postpartum coverage and outpatient utilization. Health Aff (Millwood). 2020;39(1):77-84. doi:10.1377/hlthaff.2019.00547
- 85 Campbell SB, Cohn JF, Meyers T. Depression in firsttime mothers: mother-infant interaction and depression chronicity. Dev Psychol. 1995;31(3):349-357. doi:10.1037/0012-1649.31.3.349
- 86 Ashman SB, Dawson G, Panagiotides H. Trajectories of maternal depression over 7 years: relations with child psychophysiology and behavior and role of contextual risks. Dev Psychopathol. 2008;20(1):55-77. doi:10.1017/S0954579408000035

- 87 Reeves RV, Krause E. The effects of maternal depression on early childhood development and implications for economic mobility. Washington, DC: Brookings Institution, January 2019. https://www.brookings.edu/wp-content/uploads/2019/01/ES_20190131_Reeves_Maternal_Depression2.pdf. Accessed February 22, 2020.
- 88 Georgetown University Health Policy Institute, Center for Children and Families. Health coverage for parents and caregivers helps children. Washington, DC: Georgetown University Health Policy Institute, Center for Children and Families; March 2017. https://ccf.georgetown.edu/wp-content/uploads/2017/03/Covering-Parents-v2.pdf. Accessed February 22, 2020.
- 89 Venkataramani M, Pollack CE, Roberts ET. Spillover effects of adult Medicaid expansions on children's use of preventive services. Pediatrics. 2017 Dec;140(6):e20170953. doi:10.1542/peds.2017-0953.
- 90 Vesco KK, Ferrante S, Chen Y, Rhodes T, Black CM, Allen-Ramey F. Costs of severe maternal morbidity during pregnancy in US commercially insured and Medicaid populations: an observational study. Matern Child Health J. 2020;24(1):30-38. DOI: 10.1007/s10995-019-02819-z. Accessed June 1, 2020.
- 91 Pourat N, Martinez AE, McCullough J, Gregory KD, Korst L, Kominsk GF. Costs of maternal hemorrhage in California. Los Angeles, CA: UCLA Center for Health Policy Research; October 2013. http://healthpolicy.ucla.edu/publications/Documents/PDF/maternal-hemorrhagereport-oct2013.pdf. Accessed February 22, 2020.
- 92 Pourat N, Martinez AE, Jones JM, Gregory KD, Korst L, Kominsk GF. Costs of gestational hypertensive disorders in California: hypertension, preeclampsia, and eclampsia. Los Angeles, CA: UCLA Center for Health Policy Research; October 2013. http://healthpolicy.ucla.edu/publications/Documents/PDF/gestationaldisordersre-port-oct2013.pdf. Accessed February 22, 2020.
- 93 Luca DL, Garlow N, Staatz C, Margiotta C, Zivin K. Societal costs of untreated perinatal mood and anxiety disorders in the United States. Cambridge, MA: Mathematica Policy Research; April 29, 2019. https://www.mathematica.org/our-publications-and-findings/publications/societal-costs-of-untreated-perinatal-mood-and-anxiety-disorders-in-the-united-states.
 Accessed February 22, 2020.

- 94 State of New Jersey, Department of Human Services, Division of Medical Assistance and Health Services. New Jersey section 1115 demonstration "Comprehensive Demonstration" waiver amendment application. Trenton, NJ: New Jersey Department of Human Services, Division of Medical Assistance and Health Services; February 27, 2020. https://www.medicaid.gov/medicaid/section-1115-demonstrations/downloads/nj-1115-request-pa-21.pdf. Accessed March 3, 2020.
- 95 Ku, L., P. MacTaggart, F. Pervez, et al. 2009. Improving Medicaid's continuity of coverage and quality of care. Washington, DC: Association for Community Affiliated Plans. https://hsrc.himmelfarb.gwu.edu/sphhs_policy facpubs/248/.
- 96 Centers for Medicare & Medicaid Services, Center for Medicare and Medicaid Innovation. Maternal Opioid Misuse (MOM) model: notice of funding opportunity (NOFO) and application review. https://innovation.cms.gov/Files/slides/mom-model-nofo-appreview-slides.pdf. Accessed February 22, 2020.
- 97 Medicaid for the Treatment of an Emergency Medical Condition "Emergency Medicaid" pays for a limited set of medical costs when undocumented individuals, temporary non-immigrants, or lawfully-residing immigrants subject to the 5-year bar on Medicaid eligibility meet the eligibility requirements for full Medicaid but do not qualify due to immigration status. Coverage is limited to labor and delivery and emergency services. Some states have opted for the state plan authority under Section 214 of the Children's Health Insurance Program Reauthorization Act of 2009 (CHIPRA) to cover prenatal, labor and delivery, and postpartum care services for lawfully-present pregnant women under the 5-year bar known as the "ICHIA option". (see "State Options for Covering Otherwise Ineligible Immigrant Women")
- 98 Centers for Disease Control and Prevention. Severe maternal morbidity in the United States. https://www.cdc.gov/reproductivehealth/maternalinfanthealth/severematernalmorbidity.html. Accessed February 22, 2020.
- 99 New York City Department of Health and Mental Hygiene. Severe Maternal Morbidity in New York City, 2008-2012. New York, NY: New York City Department of Health and Mental Hygiene; 2016. https://www1.nyc.gov/assets/doh/downloads/pdf/data/maternal-morbidity-report-08-12.pdf. Accessed February 22, 2020.

- 100 Luca DL, Garlow N, Staatz C, Margiotta C, Zivin K. Societal costs of untreated perinatal mood and anxiety disorders in the United States. Cambridge, MA: Mathematica Policy Research; April 29, 2019. https://www.mathematica.org/our-publications-and-findings/publications/societal-costs-of-untreated-perinatal-mood-and-anxiety-disorders-in-the-united-states. Accessed February 22, 2020.
- 101 Pourat N, Martinez AE, Jones JM, Gregory KD, Korst L, Kominsk GF. Costs of gestational hypertensive disorders in California: hypertension, preeclampsia, and eclampsia. Los Angeles, CA: UCLA Center for Health Policy Research; October 2013. http://healthpolicy.ucla.edu/publications/Documents/PDF/gestationaldisordersre-port-oct2013.pdf. Accessed February 22, 2020.
- 102 Lewkowitz AK, Rosenbloom JI, Keller M, et al. Association between severe maternal morbidity and psychiatric illness within 1 year of hospital discharge after delivery. Obstet Gynecol. 2019 Oct;134(4):695-707. doi:10.1097/AOG.000000000003434.
- 103 Goodman JH. Perinatal depression and infant mental health. Arch Psychiatr Nurs. 2019 Jun;33(3):217-224. doi: 10.1016/j.apnu.2019.01.010.
- 104 Slomian J, Honvo G, Emonts P, Reginster JY, Bruyère O. Consequences of maternal postpartum depression: a systematic review of maternal and infant outcomes. Womens Health (Lond). 2019 Jan-Dec;15:1745506519844044. doi:10.1177/1745506519844044.
- 105 Centers for Disease Control and Prevention (CDC). Vital signs: health insurance coverage and health care utilization- United States, 2006-2009 and January-March 2010. MMWR. 2010 Nov 9;59(Early Release):1-7. https://www.cdc.gov/mmwr/preview/mmwrhtml/mm59e1109a1.htm. Accessed February 22, 2020.
- 106 Hogan DR, Danaei G, Ezzati M, Clarke PM, Jha AK, Salomon JA. Estimating the potential impact of insurance expansion on undiagnosed and uncontrolled chronic conditions. Health Aff (Millwood). 2015;34(9):1554-1562. doi:10.1377/hlthaff.2014.1435

- 107 Centers for Medicare and Medicaid Services (CMS), Center for Medicaid and CHIP Services (CMCS). Maternal depression screening and treatment: a critical role for Medicaid in the care of mothers and children. CMCS Informational Bulletin. Baltimore, MD: Centers for Medicare and Medicaid Services (CMS), Center for Medicaid and CHIP Services (CMCS); May 11, 2016. https://www.medicaid.gov/federal-policy-guidance/downloads/cib051116.pdf.
- 108 Frost JJ, Zolna MR, Frohwirth LF, et al. Publicly supported family planning services in the United States, 2016. New York, NY: Guttmacher Institute; October 2019. https://www.guttmacher.org/report/public-ly-supported-FP-services-us-2016.
- 109 Sonfield A, Frost JJ, Gold B. Estimating the impact of expanding Medicaid eligibility for family planning services: 2011 update. New York, NY: Guttmacher Institute; January 2011. https://www.guttmacher.org/sites/default/files/report_pdf/medicaid-family-plan-ning-2011.pdf
- Alabama Medicaid Agency. Alabama Plan First section 1115 demonstration waiver renewal application. Montgomery, AL: Alabama Medicaid Agency; August 7, 2014. https://www.medicaid.gov/Medicaid-CHIP-Pro-gram-Information/By-Topics/Waivers/1115/down-loads/al/alabama-plan-first/al-family-planning-pend-ing-app-10292014.pdf. Accessed February 22, 2020.
- 111 Texas Legislative Budget Board. Fiscal Note, 86th Legislative regular session re: HB 744 by Rose (relating to the Medicaid eligibility of certain women after a pregnancy). Austin, TX: Texas Legislative Budget Board; March 18, 2019. https://capitol.texas.gov/tlodocs/86R/fiscalnotes/pdf/HB00744l.pdf. Accessed February 22, 2020.
- 112 State of New Jersey. Public Law 2019, Chapter 150: Senate No. 2020; pg. 101. Approved June 30, 2019. https://www.njleg.state.nj.us/2018/Bills/AL19/150. PDF. Accessed February 22, 2020.
- 113 State of Missouri Department of Social Services, MO HealthNet Division. Missouri Targeted Benefits for Pregnant Women demonstration. https://dss.mo.gov/mhd/files/missouri-targeted-benefits-for-preg-nant-women-demonstration.pdf. Published January 10, 2020. Accessed February 22, 2020.

- 114 State of Missouri Department of Social Services, MO HealthNet Division. Missouri Targeted Benefits for Pregnant Women demonstration. https://dss.mo.gov/mhd/files/missouri-targeted-benefits-for-pregnant-women-demonstration.pdf. Published January 10, 2020. Accessed February 22, 2020.
- 115 State of Missouri Department of Social Services, MO HealthNet Division. Missouri Targeted Benefits for Pregnant Women demonstration. https://dss.mo.gov/mhd/files/missouri-targeted-benefits-for-preg-nant-women-demonstration.pdf. Published January 10, 2020. Accessed February 22, 2020.
- 116 State of Missouri, Committee on Legislative Research, Oversight Division. Fiscal Note: HB 1468: Medicaid/ MO HealthNet; Children and Minors. LR #4217-01. Jefferson City, MO: Missouri House of Representatives, Committee on Legislative Research, Oversight Division; February 5, 2018. https://house.mo.gov/billtrack-ing/bills181/fiscal/fispdf/4217-01N.ORG.pdf. Accessed February 22, 2020.
- Missouri House of Representatives, Committee on Legislative Research, Oversight Division. Fiscal Note: Truly agreed to and finally passed SS for SCS for HCS for HB Nos. 2280, 2120, 1468 & 1616. LR #6161-05. Jefferson City, MO: Missouri House of Representatives, Committee on Legislative Research, Oversight Division; May 31, 2018. https://www.house.mo.gov/ billtracking/bills181/fiscal/fispdf/6161-05T.ORG.pdf. Accessed February 22, 2020.
- 118 Kaiser Family Foundation State Health Facts. Medicaid and CHIP income eligibility limits for pregnant women as a percent of the Federal Poverty Level, as of January 1, 2020. 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/. Accessed April 3, 2020.
- 119 State of New Jersey, Department of Human Services, Division of Medical Assistance and Health Services. New Jersey section 1115 demonstration "Comprehensive Demonstration" waiver amendment application. Trenton, NJ: New Jersey Department of Human Services, Division of Medical Assistance and Health Services; February 27, 2020. https://www.medicaid.gov/medicaid/section-1115-demonstrations/downloads/nj-1115-request-pa-21.pdf. Accessed March 3, 2020.

- 120 Illinois Department of Healthcare and Family Services. Illinois Continuity of Care & Administrative Simplification 1115 waiver (waiver application). Springfield, IL: Illinois Department of Healthcare and Family Services; January 15, 2020. https://www.medicaid.gov/Medicaid-CHIP-Program-Information/By-Topics/Waivers/1115/downloads/il/il-continuity-care-admin-simplification-pa.pdf. Accessed February 22, 2020.
- 121 State of Missouri Department of Social Services, MO HealthNet Division. Missouri Targeted Benefits for Pregnant Women demonstration (waiver application). https://dss.mo.gov/mhd/files/missouri-targeted-benefits-for-pregnant-women-demonstration.pdf. Published January 10, 2020. Accessed February 22, 2020.
- 122 State of New Jersey, Department of Human Services, Division of Medical Assistance and Health Services. New Jersey section 1115 demonstration "Comprehensive Demonstration" waiver amendment application. Trenton, NJ: New Jersey Department of Human Services, Division of Medical Assistance and Health Services; February 27, 2020. https://www.medicaid.gov/medicaid/section-1115-demonstrations/downloads/nj-1115-request-pa-21.pdf. Accessed March 3, 2020.
- 123 South Carolina was the first state to submit a waiver to CMS requesting authority to implement a Medicaid postpartum coverage extension, and while CMS approved South Carolina's 1115 waiver on December 12, 2019, that approval did not act on this request (i.e., it was neither approved nor denied), indicating that South Carolina "ultimately revised its request."
- 124 For a list of states' regular FMAPs, see: Department of Health and Human Services, Office of the Secretary. Federal financial participation in state assistance expenditures; federal matching shares for Medicaid, the Children's Health Insurance Program, and Aid to Needy Aged, Blind, or Disabled Persons for October 1, 2020 Through September 30, 2021. Fed Regist. 2019 Dec 3;84(232):66204-66206. https://www.govinfo.gov/content/pkg/FR-2019-12-03/pdf/2019-26207.pdf. Accessed February 22, 2020.

- 125 Throughout the waiver negotiation process, CMS and the state develop estimates of what the state's Medicaid program would have cost without the waiver. Those estimates are then incorporated into the waiver's special terms and conditions, acting as a cap on total spending during the demonstration. If a state exceeds the "without waiver" limits, it must repay the federal government for any federal spending above the cap with state-only dollars.
- 126 Karl A. State Health and Value Strategies. CMS issues additional guidance on budget neutrality for Section 1115 waivers. https://www.shvs.org/cms-issues-ad-ditional-guidance-on-budget-neutrality-for-sec-tion-1115-waivers/ Published August 24, 2018. Accessed February 22, 2020.
- 127 South Carolina Department of Health and Human Services. Community engagement section 1115 demonstration waiver application. Columbia, SC: South Carolina Department of Health and Human Services; May 8, 2019. https://www.medicaid.gov/Medicaid-CHIP-Program-Information/By-Topics/Waivers/1115/downloads/sc/sc-community-engagement-pa.pdf. Accessed February 22, 2020.
- 128 Illinois Department of Healthcare and Family Services.
 Illinois Continuity of Care & Administrative Simplification 1115 waiver (waiver application). Springfield, IL:
 Illinois Department of Healthcare and Family Services;
 January 15, 2020. https://www.medicaid.gov/Medicaid-CHIP-Program-Information/By-Topics/Waivers/1115/downloads/il/il-continuity-care-admin-simplification-pa.pdf. Accessed February 22, 2020.
- 129 Centers for Medicare & Medicaid Services; Center for Medicaid & CHIP Services. Budget neutrality policies for Section 1115(a) Medicaid demonstration projects. SMD #18-009. Baltimore, MD: Centers for Medicare & Medicaid Services; Center for Medicaid & CHIP Services; August 22, 2018. https://www.medicaid.gov/sites/default/files/federal-policy-guidance/downloads/smd18009.pdf. Accessed February 22, 2020.
- 130 State of Missouri Department of Social Services, MO HealthNet Division. Missouri Targeted Benefits for Pregnant Women demonstration (waiver application). https://dss.mo.gov/mhd/files/missouri-targeted-benefits-for-pregnant-women-demonstration.pdf. Published January 10, 2020. Accessed February 22, 2020.

- 131 State of New Jersey, Department of Human Services, Division of Medical Assistance and Health Services. New Jersey section 1115 demonstration "Comprehensive Demonstration" waiver amendment application. Trenton, NJ: New Jersey Department of Human Services, Division of Medical Assistance and Health Services; February 27, 2020. https://www.medicaid.gov/medicaid/section-1115-demonstrations/downloads/nj-1115-request-pa-21.pdf. Accessed March 3, 2020.
- 132 State of New Jersey, Department of Human Services, Division of Medical Assistance and Health Services. New Jersey section 1115 demonstration "Comprehensive Demonstration" waiver amendment federal budget neutrality summary. https://lnks.gd/l/eyJhbGciOiJIUzl1NiJ9.eyJidWxsZXRpbl-9saW5rX2lkljoxMDMsInVyaSl6lmJwMjpjbGljayIsl-mJ1bGxldGluX2lkljoiMjAyMDA0MDEuMTk1OTU-wMzEiLCJ1cmwiOiJodHRwczovL3d3dy5tZWRpY-2FpZC5nb3YvbWVkaWNhaWQvc2VjdGlvbi0x-MTE1LWRlbW9uc3RyYXRpb25zL2Rvd25sb-2Fkcy9uai0xMTE1LXJlcXVlc3QtcGEtMjlueGxzeCJ9.x3k5w-NDBpO9fvouX7iZikGMcptVQWR5nAqK-0DGKzbs/br/76882690212-l. Accessed March 3, 2020.
- 133 Section 403 of the Personal Responsibility and Work Opportunity Reconciliation Act (PRWORA) of 1996 (Public Law 104-193) imposed a five-year waiting period on certain groups of qualified immigrants, including lawful permanent residents ("green card" holders). This waiting period applies to many immigrant children and pregnant women who would otherwise be eligible for Medicaid. Certain noncitizens, including refugees, asylees, and other humanitarian immigrants, are exempt from this five-year bar. Non-qualified immigrants, including undocumented individuals, generally may only receive federally-funded Medicaid for emergency services. See Social Security Act § 1903(v).
- 134 States have state plan authority under Section 214 of the Children's Health Insurance Program Reauthorization Act of 2009 (CHIPRA, Pub. L. 111-3) to cover prenatal, labor and delivery, and postpartum care services for lawfully residing pregnant women who are not U.S. citizens, regardless of whether these women would otherwise be subject to the five-year waiting bar.

- 135 Centers for Medicare and Medicaid Services (CMS); Center for Medicaid, CHIP and Survey and Certification. Medicaid and CHIP coverage of "lawfully residing" children and pregnant women. SHO #10-006; CHIPRA #17. Baltimore, MD: Centers for Medicare and Medicaid Services (CMS); Center for Medicaid, CHIP and Survey and Certification; July 1, 2010. https://www.medicaid.gov/sites/default/files/Federal-Policy-Guidance/downloads/SHO10006.pdf. Accessed February 22, 2020.
- 136 United States Senate. S1104: Immigrant Children's Health Improvement Act of 2005. 109th Congress (2005-2006). https://www.congress.gov/109/bills/s1104/BILLS-109s1104is.pdf. Published May 23, 2005. Accessed February 22, 2020.
- 137 Kaiser Family Foundation State Health Facts. Medicaid/CHIP coverage of lawfully-residing immigrant children and pregnant women, as of January 1, 2020. https://www.kff.org/health-reform/state-indicator/medicaid-chip-coverage-of-lawfully-residing-immigrant-children-and-pregnant-women/. Accessed April 3, 2020.
- 138 See question 18: Centers for Medicare and Medicaid Services (CMS): Center for Medicaid and State Operations. Questions and Answers Related to Coverage of Pregnant Women in the Children's Health Insurance Program (CHIP). SHO #09-010; CHIPRA #6. Baltimore, MD: Centers for Medicare and Medicaid Services (CMS), Center for Medicaid and State Operations; September 3, 2009. https://www.medicaid.gov/sites/default/files/Federal-Policy-Guidance/downloads/SHO090309.pdf. Accessed February 22, 2020.
- 139 Kaiser Family Foundation State Health Facts. Medicaid and CHIP income eligibility limits for pregnant women as a percent of the Federal Poverty Level, as of January 1, 2020. 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/. Accessed April 3, 2020.

- 140 Department of Health and Human Services, Health Care Financing Administration. State health official letter: financing provisions of the Child Health Insurance Program (CHIP) and related Medicaid program provisions. Baltimore, MD: Department of Health and Human Services, Health Care Financing Administration; December 8, 1997. https://www.medicaid.gov/sites/default/files/Federal-Policy-Guidance/down-loads/SMD120897b.pdf. Accessed February 22, 2020.
- 141 Social Security Act, Section 2105(c)(2)(A).
- 142 Illinois Department of Healthcare and Family Services. Illinois Continuity of Care & Administrative Simplification 1115 waiver (pending application). Springfield, IL: Illinois Department of Healthcare and Family Services; January 15, 2020. https://www.medicaid.gov/Medicaid-CHIP-Program-Information/By-Topics/Waivers/1115/downloads/il/il-continuity-care-admin-simplification-pa.pdf. Accessed February 22, 2020.
- 143 State of Illinois Department of Public Health. Illinois maternal morbidity and mortality report. Springfield, IL: Illinois Department of Public Health; October 2018. http://dph.illinois.gov/sites/default/files/publications/publicationsowhmaternalmorbiditymortalityre-port112018.pdf. Accessed February 22, 2020.
- 144 The State of New Jersey. Nurture NJ. https://nj.gov/governor/admin/fl/nurturenj.shtml. Accessed February 22, 2020.