

# 2024 State Scorecard on Women's Health and Reproductive Care

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## APPENDICES

The following appendices are part of a Commonwealth Fund report, Sara R. Collins et al., *2024 State Scorecard on Women's Health and Reproductive Care* (Commonwealth Fund, July 2024).

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## APPENDIX A1. Women's Health and Reproductive Care Scorecard Data Years and Databases

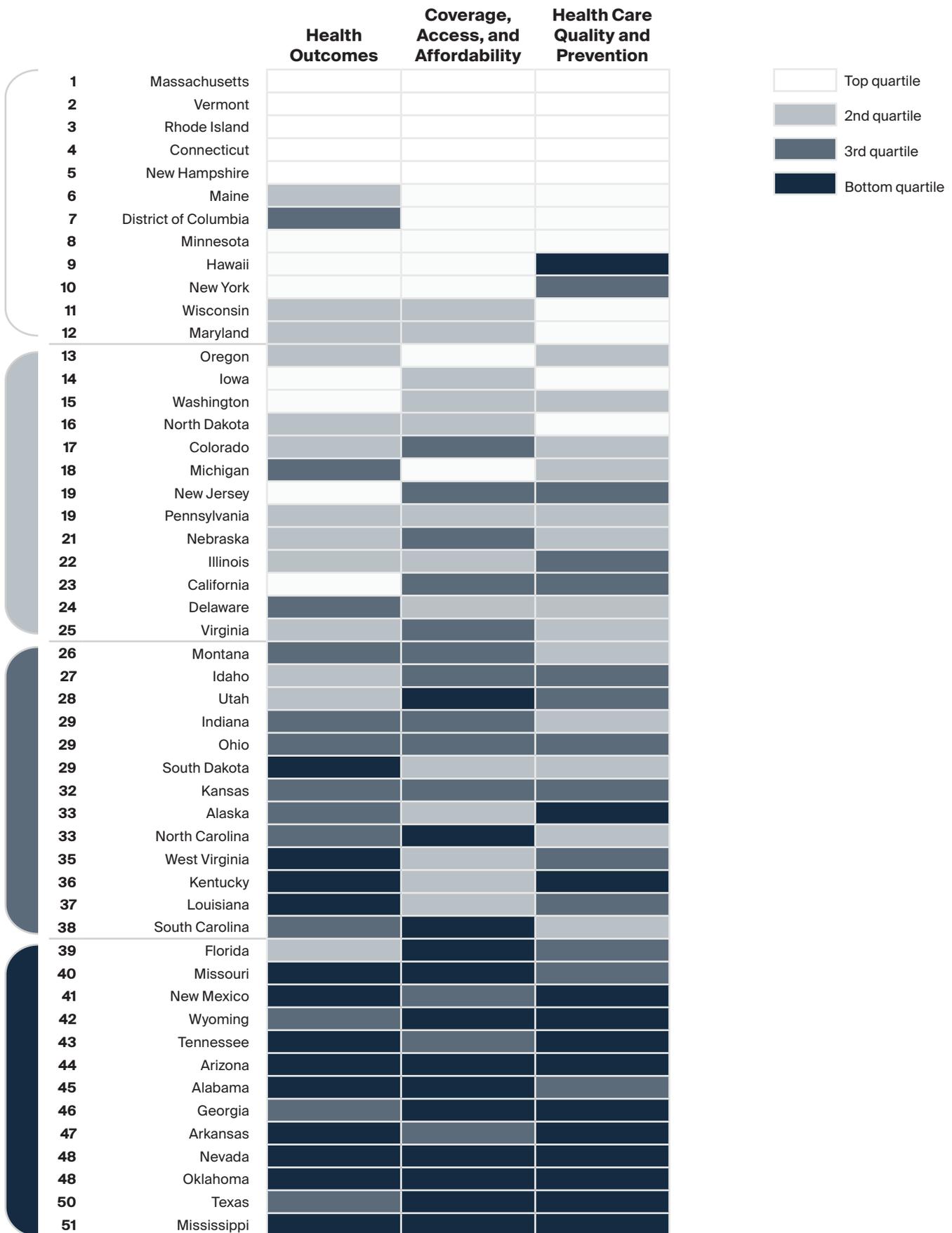
Indicator	Data years	Database
<b>Health Outcomes</b>		
1 Maternal mortality per 100,000 live births	2020–2022	CDC National Vital Statistics System (NVSS): WONDER
2 Infant mortality per 1,000 live births	2021	CDC National Vital Statistics System (NVSS): WONDER
3 Breast and cervical cancer deaths per 100,000 female population	2022	CDC National Vital Statistics System (NVSS): WONDER
4 All-cause mortality rate per 100,000 women ages 15–44	2022	CDC National Vital Statistics System (NVSS): WONDER
5 Preterm birth rate	2022	CDC National Vital Statistics System (NVSS): WONDER
6 Women ages 15–44 who have syphilis per 100,000 female population	2022	Centers for Disease Control and Prevention, Sexually Transmitted Infections Surveillance 2022, U.S. Department of Health and Human Services, 2024
7 Infants born with congenital syphilis per 100,000 live births	2022	Centers for Disease Control and Prevention, Sexually Transmitted Infections Surveillance 2022, U.S. Department of Health and Human Services, 2024
8 Women ages 18–64 who report fair or poor health	2022	Behavioral Risk Factor Surveillance System (BRFSS)
9 Women with depression before or during pregnancy	2021	Pregnancy Risk Assessment Monitoring System (PRAMS) Automated Research File
10 Women with postpartum depression	2021	Pregnancy Risk Assessment Monitoring System (PRAMS) Automated Research File
11 Women ages 18–64 who report poor mental health	2022	Behavioral Risk Factor Surveillance System (BRFSS)
12 Women experiencing intimate partner violence	2021	Pregnancy Risk Assessment Monitoring System (PRAMS) Automated Research File
<b>Coverage, Access, and Affordability</b>		
13 Uninsured women ages 19–64	2022	American Community Survey, Public Use Microdata Sample (ACS PUMS)
14 Uninsured women, preconception	2021	Pregnancy Risk Assessment Monitoring System (PRAMS) Automated Research File
15 Uninsured women, during pregnancy	2021	Pregnancy Risk Assessment Monitoring System (PRAMS) Automated Research File
16 Women ages 18–44 who went without care because of cost	2022	Behavioral Risk Factor Surveillance System (BRFSS)
17 Women ages 18–44 without a usual source of care	2022	Behavioral Risk Factor Surveillance System (BRFSS)
18 Self-pay in-hospital births	2022	CDC National Vital Statistics System (NVSS): WONDER
19 Maternity care workforce per 100,000 women ages 15–44	2022	Area Health Resource File
20 Abortion clinics per 100,000 women ages 15–44	2023	Advancing New Standards in Reproductive Health (ANSIRH)
<b>Health Care Quality and Prevention</b>		
21 Low-risk cesarean births per 100 women giving live birth	2022	Brady E. Hamilton, Joyce A. Martin, and Michelle J.K. Osterman, Births: Provisional Data for 2022, Vital Statistics Rapid Release no. 28 (National Center for Health Statistics, June 2023)
22 Women ages 18–44 without a routine checkup in the past two years	2022	Behavioral Risk Factor Surveillance System (BRFSS)
23 No early prenatal care	2022	CDC National Vital Statistics System (NVSS): WONDER
24 Women without a postpartum checkup after birth	2021	Pregnancy Risk Assessment Monitoring System (PRAMS) Automated Research File
25 Women with up-to-date breast cancer screening	2022	Behavioral Risk Factor Surveillance System (BRFSS)
26 Women with up-to-date cervical cancer screening	2022	Behavioral Risk Factor Surveillance System (BRFSS)
27 Women with up-to-date colon cancer screening	2022	Behavioral Risk Factor Surveillance System (BRFSS)
28 Women who received a flu shot before or during pregnancy	2021	Pregnancy Risk Assessment Monitoring System (PRAMS) Automated Research File
29 Women age 65 and older who have ever received a pneumonia vaccine	2022	Behavioral Risk Factor Surveillance System (BRFSS)
30 Women ages 18–64 who have ever had an HIV or AIDS test	2022	Behavioral Risk Factor Surveillance System (BRFSS)
31 Women who received a postpartum depression screening	2021	Pregnancy Risk Assessment Monitoring System (PRAMS) Automated Research File
32 Recently pregnant women with a dental cleaning during pregnancy	2021	Pregnancy Risk Assessment Monitoring System (PRAMS) Automated Research File

## APPENDIX A2. List of Indicators in the Women's Health and Reproductive Care Scorecard

Indicator	Data years represented	U.S. average rate	Range of state performance	Top-performing states
<b>Health Outcomes</b>				
1 Maternal mortality per 100,000 live births	2020–2022	26.3	0.0–51.1	VT
2 Infant mortality per 1,000 live births	2021	5.4	2.8–9.4	ND
3 Breast and cervical cancer deaths per 100,000 female population	2022	20.9	15.3–27.8	MA
4 All-cause mortality rate per 100,000 women ages 15–44	2022	110.3	70.5–203.6	HI
5 Preterm birth rate	2022	10%	8%–15%	NH
6 Women ages 15–44 who have syphilis per 100,000 female population	2022	78.0	1.0–543.0	VT
7 Infants born with congenital syphilis per 100,000 live births	2022	102.5	0.0–355.3	ID, VT, WY
8 Women ages 18–64 who report fair or poor health	2022	17%	11%–23%	DC
9 Women with depression before or during pregnancy	2021	22%	12%–34%	NJ
10 Women with postpartum depression	2021	13%	9%–21%	VT
11 Women ages 18–64 who report poor mental health	2022	21%	15%–29%	HI
12 Women experiencing intimate partner violence	2021	3.1%	1.8%–5.6%	VA
<b>Coverage, Access, and Affordability</b>				
13 Uninsured women ages 19–64	2022	10%	3%–21%	MA
14 Uninsured women, preconception	2021	12%	2%–23%	HI
15 Uninsured women, during pregnancy	2021	2.6%	0.4%–9.7%	HI
16 Women ages 18–44 who went without care because of cost	2022	17%	7%–27%	HI
17 Women ages 18–44 without a usual source of care	2022	23%	8%–35%	ME
18 Self-pay in-hospital births	2022	2.9%	0.3%–7.8%	MA, RI
19 Maternity care workforce per 100,000 women ages 15–44	2022	78.9*	52.1–159.7	DC
20 Abortion clinics per 100,000 women ages 15–44	2023	1.5*	0.0–12.9	ME
<b>Health Care Quality and Prevention</b>				
21 Low-risk cesarean births per 100 women giving live birth	2022	26.3	16.7–30.8	AK
22 Women ages 18–44 without a routine checkup in the past two years	2022	13%	8%–22%	RI
23 No early prenatal care	2022	23%	13%–32%	VT
24 Women without a postpartum checkup after birth	2021	9%	6%–13%	VT
25 Women with up-to-date breast cancer screening	2022	77%	65%–86%	RI
26 Women with up-to-date cervical cancer screening	2022	82%	75%–89%	CT
27 Women with up-to-date colon cancer screening	2022	60%	53%–69%	ME
28 Women who received a flu shot before or during pregnancy	2021	57%	38%–78%	MA
29 Women age 65 and older who have ever received a pneumonia vaccine	2022	73%	65%–80%	CO
30 Women ages 18–64 who have ever had an HIV or AIDS test	2022	44%	30%–67%	DC
31 Women who received a postpartum depression screening	2021	89%	76%–96%	MN
32 Recently pregnant women with a dental cleaning during pregnancy	2021	45%	33%–56%	UT

\* U.S. average rate is the 51-state median. Data not available for every state for certain indicators. See Appendices C, D, and E for specific details.

### APPENDIX B1. 2024 Women’s Health and Reproductive Care Scorecard Summary of Health System Performance Across Dimensions



**APPENDIX B2. Summary of 2024 Women's Health and Reproductive Care State Rankings**

State	Overall ranking	Health Outcomes	Coverage, Access, and Affordability	Health Care Quality and Prevention
Alabama	45	47	42	37
Alaska	33	34	22	41
Arizona	44	40	46	42
Arkansas	47	50	35	48
California	23	11	28	32
Colorado	17	15	26	15
Connecticut	4	3	9	3
Delaware	24	31	15	23
District of Columbia	7	26	2	8
Florida	39	25	48	37
Georgia	46	33	50	40
Hawaii	9	5	5	39
Idaho	27	14	38	36
Illinois	22	16	23	29
Indiana	29	36	31	24
Iowa	14	12	19	10
Kansas	32	30	36	26
Kentucky	36	40	20	43
Louisiana	37	46	18	33
Maine	6	20	3	5
Maryland	12	24	13	9
Massachusetts	1	1	6	1
Michigan	18	28	8	22
Minnesota	8	7	12	12
Mississippi	51	51	43	50
Missouri	40	43	39	35
Montana	26	27	26	20
Nebraska	21	13	32	16
Nevada	48	39	49	51
New Hampshire	5	8	7	11
New Jersey	19	2	29	33
New Mexico	41	42	34	46
New York	10	5	10	27
North Carolina	33	31	43	13
North Dakota	16	17	25	7
Ohio	29	35	29	30
Oklahoma	48	47	45	47
Oregon	13	19	11	14
Pennsylvania	19	18	20	19
Rhode Island	3	9	4	2
South Carolina	38	36	41	24
South Dakota	29	45	24	16
Tennessee	43	44	37	45
Texas	50	38	51	49
Utah	28	20	40	28
Vermont	2	4	1	6
Virginia	25	22	33	18
Washington	15	10	17	21
West Virginia	35	49	14	31
Wisconsin	11	23	16	4
Wyoming	42	28	47	43

**APPENDIX C. Health Outcomes: Dimension Ranking and Indicator Rates**

State	Health Outcomes dimension summary		Maternal mortality per 100,000 live births		Infant mortality per 1,000 live births		Breast and cervical cancer deaths per 100,000 female population		All-cause mortality rate per 100,000 women ages 15–44		Preterm birth rate		Women ages 15–44 who have syphilis per 100,000 female population	
	2024	2020–2022	rank	2021	rank	2022	rank	2022	rank	2022	rank	2022	rank	
<b>United States</b>	–	<b>26.3</b>	–	<b>5.4</b>	–	<b>20.9</b>	–	<b>110.3</b>	–	<b>10%</b>	–	<b>78.0</b>	–	
Alabama	47	40.3	39	7.6	49	23.5	44	149.4	40	13	48	89.0	38	
Alaska	34	–	–	7.4	48	17.6	7	178.9	49	10	20	118.0	41	
Arizona	40	34.3	32	5.5	26	21.2	27	123.5	29	10	18	153.0	45	
Arkansas	50	37.5	37	8.6	50	24.0	46	155.0	43	12	46	188.0	48	
California	11	9.9	2	4.1	8	20.7	22	79.1	2	9	7	101.0	39	
Colorado	15	17.7	7	5.0	19	19.5	16	103.1	19	10	20	69.0	28	
Connecticut	3	14.4	3	4.7	13	17.8	8	93.6	13	9	10	27.0	7	
Delaware	31	–	–	4.8	15	27.8	51	130.8	34	11	35	51.0	23	
District of Columbia	26	–	–	6.8	41	25.0	49	94.1	14	10	22	76.0	35	
Florida	25	26.0	21	5.9	31	21.3	28	114.0	26	11	32	82.0	37	
Georgia	33	33.0	29	6.3	39	22.6	37	124.4	30	12	47	70.0	29	
Hawaii	5	–	–	4.7	13	20.1	19	70.5	1	10	18	71.0	31	
Idaho	14	24.1	15	5.1	21	22.1	35	92.0	12	9	5	21.0	5	
Illinois	16	24.1	15	5.6	29	21.7	33	99.0	15	11	32	50.0	22	
Indiana	36	34.0	31	6.8	41	23.2	39	136.7	38	11	37	43.0	14	
Iowa	12	24.7	19	4.0	6	19.1	15	85.4	7	10	22	45.0	17	
Kansas	30	26.1	22	5.3	22	21.1	26	121.7	28	10	31	46.0	18	
Kentucky	40	31.4	27	6.2	36	24.8	48	176.3	48	12	45	74.0	33	
Louisiana	46	42.6	41	7.2	46	23.9	45	168.4	46	13	50	158.0	46	
Maine	20	–	–	5.0	19	19.8	17	126.2	32	10	12	14.0	4	
Maryland	24	23.8	13	6.0	33	21.3	28	103.1	19	10	25	44.0	16	
Massachusetts	1	18.6	10	3.2	2	15.3	1	80.0	4	9	7	27.0	7	
Michigan	28	21.5	11	6.2	36	21.5	31	121.0	27	10	28	34.0	11	
Minnesota	7	15.6	4	4.8	15	17.2	5	91.0	10	10	14	46.0	18	
Mississippi	51	44.6	42	9.4	51	27.3	50	173.7	47	15	51	212.0	49	
Missouri	43	28.9	25	5.9	31	23.3	42	141.8	39	11	40	116.0	40	
Montana	27	36.1	36	4.9	18	18.2	10	131.6	35	10	16	134.0	43	
Nebraska	13	24.6	18	5.5	26	16.4	2	89.4	9	11	40	57.0	24	
Nevada	39	23.9	14	5.8	30	23.4	43	124.2	30	11	37	150.0	44	
New Hampshire	8	30.1	26	4.0	6	16.5	3	100.4	18	8	1	7.0	2	
New Jersey	2	28.4	23	3.6	4	19.9	18	79.3	2	9	9	41.0	13	
New Mexico	42	40.1	38	4.8	15	20.2	20	202.6	50	10	22	214.0	50	
New York	5	23.1	12	4.2	9	17.3	6	81.9	5	9	12	46.0	18	
North Carolina	31	33.4	30	6.7	40	20.8	23	133.7	36	11	34	63.0	26	
North Dakota	17	–	–	2.8	1	17.8	8	128.6	33	10	25	27.0	7	
Ohio	35	28.4	23	7.1	44	20.8	23	136.2	37	11	35	57.0	24	
Oklahoma	47	31.9	28	7.1	44	23.2	39	150.3	41	11	40	164.0	47	
Oregon	19	24.1	15	3.8	5	20.2	20	99.7	17	9	2	76.0	35	
Pennsylvania	18	18.3	9	5.4	24	21.4	30	110.6	24	10	14	36.0	12	
Rhode Island	9	–	–	4.3	10	16.5	3	86.0	8	9	6	43.0	14	
South Carolina	36	35.7	34	7.3	47	23.1	38	150.7	42	12	44	66.0	27	
South Dakota	45	35.8	35	6.1	35	18.6	12	155.8	44	10	28	543.0	51	
Tennessee	44	51.1	43	6.2	36	23.2	39	159.5	45	11	39	70.0	29	
Texas	38	34.7	33	5.3	22	21.6	32	99.0	15	11	40	122.0	42	
Utah	20	16.6	6	4.6	12	22.4	36	84.3	6	9	10	12.0	3	
Vermont	4	0.0	1	3.2	2	19.0	14	111.8	25	9	3	1.0	1	
Virginia	22	42.3	40	6.0	33	21.0	25	104.8	22	10	16	30.0	10	
Washington	10	16.0	5	4.4	11	18.5	11	91.4	11	9	3	72.0	32	
West Virginia	49	25.3	20	6.8	41	24.0	46	203.6	51	13	49	75.0	34	
Wisconsin	23	18.1	8	5.4	24	18.8	13	105.0	22	10	25	47.0	21	
Wyoming	28	–	–	5.5	26	21.8	34	103.9	21	10	28	23.0	6	

– Data not available.

**APPENDIX C. Health Outcomes: Dimension Ranking and Indicator Rates (cont.)**

State	Infants born with congenital syphilis per 100,000 live births		Women ages 18–64 who report fair or poor health		Women with depression before or during pregnancy		Women with postpartum depression		Women ages 18–64 who report poor mental health		Women experiencing intimate partner violence	
	2022	rank	2022	rank	2021	rank	2021	rank	2022	rank	2021	rank
<b>United States</b>	<b>102.5</b>	<b>–</b>	<b>17%</b>	<b>–</b>	<b>22%</b>	<b>–</b>	<b>13%</b>	<b>–</b>	<b>21%</b>	<b>–</b>	<b>3.1%</b>	<b>–</b>
Alabama	74.1	31	20	45	26	22	19	31	24	44	4.2	26
Alaska	128.1	38	15	21	–	–	–	–	21	19	–	–
Arizona	281.1	49	20	44	–	–	–	–	23	33	–	–
Arkansas	191.9	43	22	48	32	31	20	32	26	47	3.9	24
California	146.5	41	18	34	–	–	–	–	18	4	–	–
Colorado	49.2	25	12	5	20	5	11	8	21	22	3.8	23
Connecticut	19.6	6	14	12	–	–	–	–	19	9	–	–
Delaware	38.2	17	18	34	22	13	10	2	20	15	5.2	32
District of Columbia	138.6	40	11	1	22	11	15	27	17	3	4.2	26
Florida	127.6	37	15	20	–	–	–	–	19	8	–	–
Georgia	81.4	34	18	39	21	7	11	4	21	19	4.0	25
Hawaii	172.9	42	12	3	13	2	14	25	15	1	2.0	2
Idaho	0.0	1	15	16	–	–	–	–	22	26	–	–
Illinois	64.3	27	16	23	19	4	12	14	17	2	3.0	14
Indiana	47.5	21	18	41	–	–	–	–	24	42	–	–
Iowa	21.7	9	17	30	–	–	–	–	20	17	–	–
Kansas	37.5	16	16	26	27	25	15	26	23	36	4.6	29
Kentucky	67.0	29	18	40	–	–	–	–	20	16	–	–
Louisiana	200.2	45	21	46	22	15	12	18	27	49	2.4	7
Maine	25.0	12	14	10	28	27	12	19	22	30	2.8	12
Maryland	65.9	28	15	19	–	–	–	–	20	13	–	–
Massachusetts	15.9	5	14	8	20	5	10	3	20	12	2.4	7
Michigan	34.3	15	18	38	26	23	17	28	23	36	3.4	21
Minnesota	31.0	14	14	9	21	9	11	7	21	19	2.0	2
Mississippi	207.6	46	23	51	25	20	21	33	21	18	5.1	31
Missouri	118.1	36	17	28	25	21	12	14	26	48	5.6	33
Montana	133.6	39	17	32	28	26	13	23	23	41	2.8	12
Nebraska	44.7	20	15	22	22	13	12	16	18	6	2.2	5
Nevada	193.0	44	22	49	–	–	–	–	19	11	–	–
New Hampshire	23.8	10	15	15	–	–	–	–	22	29	–	–
New Jersey	47.3	21	13	7	12	1	11	5	18	5	2.0	2
New Mexico	355.3	51	18	33	21	10	12	20	20	14	3.3	18
New York	23.7	10	15	18	16	3	12	13	19	9	2.7	11
North Carolina	47.3	21	18	34	–	–	–	–	21	23	–	–
North Dakota	19.8	6	12	3	30	28	13	23	22	33	3.3	18
Ohio	69.3	30	18	34	–	–	–	–	24	44	–	–
Oklahoma	227.2	47	21	47	–	–	–	–	24	43	–	–
Oregon	90.4	35	17	28	23	17	13	21	24	44	2.4	7
Pennsylvania	29.4	13	17	31	21	8	12	11	21	24	3.0	14
Rhode Island	47.8	21	16	24	–	–	–	–	22	27	–	–
South Carolina	43.7	19	16	24	–	–	–	–	21	24	–	–
South Dakota	351.8	50	14	14	26	24	11	6	18	7	4.6	29
Tennessee	74.6	32	19	43	24	18	13	22	29	51	3.6	22
Texas	246.8	48	19	42	–	–	–	–	22	28	–	–
Utah	15.0	4	14	12	30	29	17	28	23	35	2.3	6
Vermont	0.0	1	12	2	31	30	9	1	23	39	3.0	14
Virginia	20.9	8	14	11	22	11	11	8	22	30	1.8	1
Washington	62.0	26	15	16	23	16	12	11	22	32	2.6	10
West Virginia	75.6	33	22	50	34	33	12	10	28	50	3.3	18
Wisconsin	42.1	18	16	27	24	19	12	16	23	39	3.1	17
Wyoming	0.0	1	12	6	32	32	17	30	23	36	4.4	28

– Data not available.

## APPENDIX D. Coverage, Access, and Affordability: Dimension Ranking and Indicator Rates

State	Coverage, Access, and Affordability dimension summary	Uninsured women ages 19–64		Uninsured women, preconception		Uninsured women, during pregnancy		Women ages 18–44 who went without care because of cost	
	2024	2022	rank	2021	rank	2021	rank	2022	rank
<b>United States</b>	—	<b>10%</b>	—	<b>12%</b>	—	<b>2.6%</b>	—	<b>17%</b>	—
Alabama	42	12	37	19	30	2.8	26	23	47
Alaska	22	12	40	—	—	—	—	16	29
Arizona	46	13	44	—	—	—	—	19	40
Arkansas	35	10	33	13	23	1.4	11	19	42
California	28	8	21	—	—	—	—	14	21
Colorado	26	8	30	12	20	2.4	23	16	31
Connecticut	9	6	12	—	—	—	—	14	19
Delaware	15	7	17	10	15	2.1	19	14	18
District of Columbia	2	3	2	5	7	0.6	3	12	6
Florida	48	14	47	—	—	—	—	22	45
Georgia	50	15	50	23	33	9.7	33	23	48
Hawaii	5	4	4	2	1	0.4	1	7	1
Idaho	38	10	33	—	—	—	—	18	36
Illinois	23	8	28	14	28	1.4	11	16	27
Indiana	31	8	25	—	—	—	—	14	23
Iowa	19	5	6	—	—	—	—	12	9
Kansas	36	12	40	13	22	2.2	21	18	39
Kentucky	20	6	11	—	—	—	—	12	5
Louisiana	18	8	21	10	17	0.8	6	16	27
Maine	3	8	27	9	13	1.7	17	12	10
Maryland	13	7	16	—	—	—	—	13	15
Massachusetts	6	3	1	3	2	0.5	2	12	7
Michigan	8	5	10	5	5	0.7	4	12	12
Minnesota	12	5	6	7	9	1.4	11	12	7
Mississippi	43	14	46	21	32	1.6	14	20	44
Missouri	39	10	35	20	31	3.3	28	19	40
Montana	26	10	36	9	12	2.1	19	17	35
Nebraska	32	8	26	13	26	1.6	14	16	30
Nevada	49	14	45	—	—	—	—	26	50
New Hampshire	7	5	8	—	—	—	—	13	14
New Jersey	29	8	28	12	21	1.8	18	15	26
New Mexico	34	12	37	10	16	2.2	21	12	12
New York	10	5	8	6	8	1.2	10	14	19
North Carolina	43	12	42	—	—	—	—	18	37
North Dakota	25	8	21	5	6	2.5	24	17	34
Ohio	29	6	15	—	—	—	—	15	25
Oklahoma	45	15	49	—	—	—	—	23	48
Oregon	11	7	18	10	14	0.8	6	14	21
Pennsylvania	20	6	13	10	17	4.8	30	13	16
Rhode Island	4	4	4	—	—	—	—	8	2
South Carolina	41	12	43	—	—	—	—	20	43
South Dakota	24	9	32	11	19	3.1	27	9	3
Tennessee	37	11	37	18	29	2.7	25	17	32
Texas	51	21	51	—	—	—	—	27	51
Utah	40	9	31	13	24	6.0	32	18	38
Vermont	1	3	3	4	3	0.8	6	10	4
Virginia	33	8	24	14	27	4.7	29	17	33
Washington	17	7	19	9	11	1.0	9	15	24
West Virginia	14	7	19	4	4	0.7	4	12	11
Wisconsin	16	6	13	7	10	1.6	14	13	17
Wyoming	47	14	48	13	25	5.6	31	22	46

— Data not available.

## APPENDIX D. Coverage, Access, and Affordability: Dimension Ranking and Indicator Rates (cont.)

State	Women ages 18–44 without a usual source of care		Self-pay in-hospital births		Maternity care workforce per 100,000 women ages 15–44		Abortion clinics per 100,000 women ages 15–44	
	2022	rank	2022	rank	2022	rank	2023	rank
<b>United States</b>	<b>23%</b>	<b>–</b>	<b>2.9%</b>	<b>–</b>	<b>78.9*</b>	<b>–</b>	<b>1.5*</b>	<b>–</b>
Alabama	24	40	1.3	17	56.0	48	0.1	46
Alaska	24	41	2.5	31	122.3	4	3.6	11
Arizona	32	49	3.4	38	69.8	38	0.6	36
Arkansas	15	10	3.3	37	52.1	51	0.3	41
California	26	43	1.3	17	74.5	32	2.4	18
Colorado	21	32	2.4	28	93.9	15	2.7	15
Connecticut	17	15	2.4	28	127.8	3	3.9	9
Delaware	19	28	0.8	5	86.7	20	4.8	6
District of Columbia	16	15	1.0	11	159.7	1	5.6	4
Florida	29	46	5.1	44	78.2	27	1.4	28
Georgia	28	45	6.0	49	82.5	24	0.8	33
Hawaii	13	6	1.0	11	113.6	7	3.2	12
Idaho	16	12	4.8	43	56.1	48	0.5	37
Illinois	22	37	0.8	5	89.0	18	2.0	21
Indiana	18	22	2.0	23	68.5	40	0.1	46
Iowa	20	29	2.4	28	63.5	43	1.5	25
Kansas	16	12	5.4	45	67.6	41	1.8	22
Kentucky	17	19	2.5	31	69.4	39	0.2	43
Louisiana	17	20	0.9	10	85.0	21	0.1	46
Maine	8	1	1.7	21	110.5	8	12.9	1
Maryland	17	17	2.8	34	107.2	9	2.8	13
Massachusetts	12	5	0.3	1	105.3	11	1.6	24
Michigan	11	3	0.8	5	95.9	14	1.7	23
Minnesota	19	25	1.1	13	93.6	16	1.5	25
Mississippi	21	35	3.5	39	60.4	46	0.2	43
Missouri	22	37	1.9	22	74.0	34	0.2	43
Montana	19	24	4.1	42	78.9	26	5.3	5
Nebraska	21	32	2.7	33	70.0	37	1.3	29
Nevada	32	48	2.1	25	58.2	47	2.2	20
New Hampshire	11	2	1.2	15	117.1	6	4.0	8
New Jersey	18	21	5.4	45	93.2	17	2.6	16
New Mexico	35	51	7.1	50	96.9	13	5.7	3
New York	21	31	0.6	3	104.7	12	2.3	19
North Carolina	20	30	7.8	51	84.0	23	0.8	33
North Dakota	19	25	2.0	23	66.3	42	1.3	29
Ohio	19	23	3.9	40	84.5	22	0.5	37
Oklahoma	23	39	1.3	17	55.0	50	0.1	46
Oregon	17	17	0.8	5	106.8	10	2.8	13
Pennsylvania	14	7	2.1	25	87.6	19	1.0	32
Rhode Island	14	8	0.3	1	117.8	5	3.7	10
South Carolina	27	44	2.8	34	72.3	36	0.5	37
South Dakota	16	11	3.0	36	74.2	33	1.2	31
Tennessee	24	42	1.4	20	77.0	29	0.1	46
Texas	35	50	5.4	45	63.4	44	0.0	51
Utah	21	34	4.0	41	62.9	45	0.8	33
Vermont	11	3	1.1	13	136.8	2	7.4	2
Virginia	21	36	2.3	27	81.3	25	1.5	25
Washington	19	25	0.6	3	74.7	31	2.6	16
West Virginia	15	9	1.2	15	78.3	27	0.3	41
Wisconsin	16	14	0.8	5	76.9	29	0.4	40
Wyoming	30	47	5.5	48	74.0	34	4.7	7

\* U.S. rate is the 51-state median. — Data not available.

**APPENDIX E. Health Care Quality and Prevention: Dimension Ranking and Indicator Rates**

State	Health Care Quality and Prevention dimension summary	Low-risk cesarean births per 100 women giving live birth		Women ages 18–44 without a routine checkup in the past two years		No early prenatal care		Women without a postpartum checkup after birth		Women with up-to-date breast cancer screening		Women with up-to-date cervical cancer screening	
	2024	2022	rank	2022	rank	2022	rank	2021	rank	2022	rank	2022	rank
<b>United States</b>	—	<b>26.3</b>	—	<b>13%</b>	—	<b>23%</b>	—	<b>9%</b>	—	<b>77%</b>	—	<b>82%</b>	—
Alabama	37	28.3	42	12	18	28	45	8	10	77	24	84	13
Alaska	41	16.7	1	15	36	26	41	—	—	69	50	76	49
Arizona	42	23.4	14	18	48	26	39	—	—	75	35	80	31
Arkansas	48	27.9	39	13	21	29	46	13	33	74	38	80	29
California	32	25.3	23	14	29	15	3	—	—	76	27	83	15
Colorado	15	23.0	10	17	43	19	16	8	10	71	45	79	38
Connecticut	3	29.2	46	9	5	16	5	—	—	82	6	89	1
Delaware	23	25.7	28	14	31	21	22	12	31	80	11	82	19
District of Columbia	8	29.4	47	8	3	31	48	10	24	77	22	88	3
Florida	37	29.1	45	13	26	32	51	—	—	78	17	83	17
Georgia	40	28.9	44	15	33	23	31	9	20	77	25	84	10
Hawaii	39	24.5	15	12	17	30	47	11	27	79	16	83	16
Idaho	36	20.3	5	13	21	19	14	—	—	69	49	77	46
Illinois	29	24.9	22	13	25	22	26	7	5	73	41	79	39
Indiana	24	24.6	18	12	13	24	37	—	—	78	17	80	28
Iowa	10	23.0	10	10	6	18	10	—	—	80	9	80	30
Kansas	26	24.6	18	14	32	16	7	8	14	74	37	80	35
Kentucky	43	27.3	34	16	42	21	24	—	—	73	41	80	34
Louisiana	33	27.9	39	10	6	27	43	11	26	83	3	86	6
Maine	5	25.6	26	11	9	16	5	7	3	81	7	84	10
Maryland	9	30.0	49	11	9	26	40	—	—	83	4	85	8
Massachusetts	1	27.4	36	8	2	18	11	7	7	85	2	88	2
Michigan	22	27.7	37	12	14	21	25	13	32	78	20	82	19
Minnesota	12	26.6	32	15	38	17	9	8	10	79	13	79	37
Mississippi	50	30.8	51	12	16	23	29	12	29	73	44	80	31
Missouri	35	24.5	15	15	38	24	34	11	25	75	34	78	44
Montana	20	21.2	7	13	26	21	20	9	16	75	36	78	42
Nebraska	16	22.6	9	15	33	20	18	9	17	77	23	80	31
Nevada	51	27.3	34	20	50	23	33	—	—	70	46	78	40
New Hampshire	11	27.9	39	14	30	14	2	—	—	81	8	82	22
New Jersey	33	26.3	30	10	8	24	36	10	23	76	29	86	5
New Mexico	46	23.1	12	17	43	31	49	12	30	70	47	77	45
New York	27	29.5	48	11	12	20	20	9	15	79	14	85	7
North Carolina	13	24.5	15	13	23	28	44	—	—	79	15	83	14
North Dakota	7	18.6	3	14	28	19	14	8	9	80	11	82	19
Ohio	30	25.8	29	12	18	22	27	—	—	76	29	82	23
Oklahoma	47	25.4	24	17	45	23	32	—	—	70	48	77	46
Oregon	14	24.8	20	15	40	18	12	9	19	77	21	81	24
Pennsylvania	19	25.6	26	9	4	23	30	9	20	76	28	82	18
Rhode Island	2	30.4	50	8	1	16	4	—	—	86	1	84	12
South Carolina	24	24.8	20	15	36	25	38	—	—	80	9	81	25
South Dakota	16	18.3	2	18	47	22	28	9	18	73	41	87	4
Tennessee	45	26.3	30	15	35	26	42	11	27	76	31	78	42
Texas	49	27.7	37	17	45	31	49	—	—	74	40	80	27
Utah	28	19.6	4	19	49	19	17	9	20	74	38	80	35
Vermont	6	22.3	8	12	20	13	1	6	1	75	33	77	46
Virginia	18	26.7	33	13	23	20	19	8	13	78	19	81	25
Washington	21	25.4	24	15	41	24	34	7	6	76	31	78	41
West Virginia	31	28.3	42	11	11	19	13	6	2	76	26	75	50
Wisconsin	4	23.2	13	12	14	17	8	7	7	82	5	84	9
Wyoming	43	20.6	6	22	51	21	22	7	4	65	51	75	51

— Data not available.

**APPENDIX E. Health Care Quality and Prevention: Dimension Ranking and Indicator Rates (cont.)**

State	Women with up-to-date colon cancer screening		Women who received a flu shot before or during pregnancy		Women age 65 and older who have ever received a pneumonia vaccine		Women ages 18–64 who have ever had an HIV or AIDS test		Women who received a postpartum depression screening		Recently pregnant women with a dental cleaning during pregnancy	
	2022	rank	2021	rank	2022	rank	2022	rank	2021	rank	2021	rank
<b>United States</b>	<b>60%</b>	–	<b>57%</b>	–	<b>73%</b>	–	<b>44%</b>	–	<b>89%</b>	–	<b>45%</b>	–
Alabama	66	9	45	31	71	41	42	28	84	30	37	29
Alaska	57	43	–	–	68	48	52	6	–	–	–	–
Arizona	56	46	–	–	73	32	43	22	–	–	–	–
Arkansas	60	37	49	29	72	39	41	33	83	31	41	27
California	53	50	–	–	69	45	45	17	–	–	–	–
Colorado	62	30	69	6	80	1	44	19	93	10	51	9
Connecticut	67	4	–	–	74	27	47	12	–	–	–	–
Delaware	63	23	57	20	76	18	50	7	90	22	43	24
District of Columbia	61	33	66	7	77	7	67	1	92	17	56	2
Florida	60	37	–	–	67	50	54	4	–	–	–	–
Georgia	57	43	38	33	75	25	54	5	87	25	34	32
Hawaii	62	28	60	16	67	49	30	51	91	19	45	21
Idaho	62	29	–	–	73	33	32	49	–	–	–	–
Illinois	63	27	55	25	72	35	43	26	93	10	46	17
Indiana	63	21	–	–	73	30	40	35	–	–	–	–
Iowa	65	12	–	–	79	3	32	47	–	–	–	–
Kansas	60	39	61	14	77	14	36	45	88	23	49	14
Kentucky	65	14	–	–	69	44	33	46	–	–	–	–
Louisiana	66	9	46	30	71	40	48	10	76	33	42	26
Maine	69	1	63	12	75	21	42	30	93	8	45	21
Maryland	65	13	–	–	77	12	55	2	–	–	–	–
Massachusetts	66	6	78	1	73	33	42	30	95	2	53	5
Michigan	64	15	52	27	79	4	44	20	92	15	46	15
Minnesota	64	16	69	5	77	7	40	38	96	1	54	4
Mississippi	61	36	39	32	65	51	46	14	80	32	35	30
Missouri	63	25	56	22	76	14	39	39	88	24	45	20
Montana	64	17	59	17	72	35	43	22	95	3	50	11
Nebraska	61	34	70	3	78	5	36	44	92	13	50	13
Nevada	53	51	–	–	68	47	48	8	–	–	–	–
New Hampshire	64	19	–	–	80	2	39	40	–	–	–	–
New Jersey	56	45	54	26	69	46	47	13	85	28	45	21
New Mexico	54	48	57	19	76	14	40	36	94	5	40	28
New York	61	34	57	21	70	43	54	3	84	29	43	25
North Carolina	66	7	–	–	77	10	48	8	–	–	–	–
North Dakota	65	11	66	8	75	23	38	41	94	6	51	8
Ohio	61	32	–	–	72	38	43	25	–	–	–	–
Oklahoma	57	42	–	–	76	20	38	42	–	–	–	–
Oregon	63	22	61	14	75	22	45	17	95	4	52	6
Pennsylvania	66	8	56	24	76	18	40	37	91	18	45	18
Rhode Island	68	2	–	–	74	27	47	11	–	–	–	–
South Carolina	64	20	–	–	75	26	43	24	–	–	–	–
South Dakota	63	23	69	4	77	13	32	48	93	8	45	19
Tennessee	58	41	52	28	74	29	45	16	87	27	35	31
Texas	54	49	–	–	72	35	42	29	–	–	–	–
Utah	59	40	62	13	77	10	30	50	90	21	56	1
Vermont	62	30	70	2	77	7	46	15	94	7	55	3
Virginia	64	18	59	18	76	17	43	26	92	14	46	16
Washington	63	26	63	11	78	6	44	21	92	16	51	9
West Virginia	67	4	65	9	73	30	41	32	87	26	33	33
Wisconsin	67	3	65	10	75	23	38	43	93	12	52	7
Wyoming	56	47	56	23	71	42	40	34	91	20	50	11

– Data not available.

## APPENDIX F. Indicator Descriptions and Source Notes

## ABBREVIATIONS

ACS PUMS = American Community Survey, Public Use Microdata Sample

AHRQ = Agency for Healthcare Research and Quality

ANSIRH = Advancing New Standards in Reproductive Health

BRFSS = Behavioral Risk Factor Surveillance System

CDC = Centers for Disease Control and Prevention

NCCDPHP = National Center for Chronic Disease Prevention and Health Promotion

NCHS = National Center for Health Statistics

NVSS-I = National Vital Statistics System—Linked Birth and Infant Death Data

NVSS-M = National Vital Statistics System—Mortality Data

NVSS-N = National Vital Statistics System—Natality Data

PRAMS = Pregnancy Risk Assessment Monitoring System

WONDER = Wide-Ranging Online Data for Epidemiologic Research

## DEFINITIONS FOR INDICATORS

**1. Maternal mortality:** As defined by the World Health Organization, maternal deaths are those “while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes.” Maternal deaths are classified as ICD-10 codes A34, O00–O95, and O98–O99. Rates are reported as the number of maternal deaths per 100,000 live births. Measure follows methodology detailed in *Maternal Mortality Rates in the United States, 2021* (NCHS, 2023) and used in NCHS *state data sheets*. Authors’ analysis of NVSS-M, 2020–2022 (NCHS); and NVSS-N, 2019–2021 (NCHS), retrieved using CDC WONDER. Because of CDC data suppression standards for small absolute numbers of deaths, rates are not available for all states.

**2. Infant mortality:** Rate of infant mortality, deaths per 1,000 live births. Authors’ analysis of NVSS-I, 2021 (NCHS), retrieved using CDC WONDER.

**3. Breast and cervical cancer deaths:** Breast and cervical cancer deaths per 100,000 female population (age-adjusted). Authors’ analysis of NVSS-M, 2022 (NCHS), retrieved using CDC WONDER.

**4. All-cause mortality rate per 100,000 women ages 15–44 (age-adjusted):** Authors’ analysis of NVSS-M, 2022 (NCHS), retrieved using CDC WONDER.

**5. Preterm birth rate:** Percent of reported live births where baby was born prior to 37 weeks of pregnancy (gestation), among birth records that reported a gestational age. Authors’ analysis of NVSS-N, 2022 (NCHS), retrieved using CDC WONDER.

**6. Women ages 15–44 who have syphilis:** Rate of women ages 15–44 with syphilis (all stages) per 100,000 population. Centers for Disease Control and Prevention. Sexually Transmitted Infections Surveillance 2022 (Table 34). U.S. Department of Health and Human Services, 2024.

**7. Infants born with congenital syphilis:** Rate of infants born with congenital syphilis per 100,000 live births. Centers for Disease Control and Prevention. Sexually Transmitted Infections Surveillance 2022 (Table 34). U.S. Department of Health and Human Services, 2024.

**8. Women ages 18–64 who report fair or poor health:** Percent of women ages 18–64 who reported being in fair or poor health. Authors’ analysis of BRFSS, 2022 (CDC, NCCDPHP).

**9. Women with depression before or during pregnancy:** Percent of women with a recent live birth who self-reported to have depression in the three months before or during pregnancy. Authors’ analysis of PRAMS Automated Research File (ARF), 2021. PRAMS sites that met the required 50 percent response rate threshold and were included in 2021: Alabama, Arkansas, Colorado, Connecticut, Delaware, District of Columbia, Georgia, Hawaii, Illinois, Kansas, Louisiana, Maine, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, New Jersey, New Mexico, New York City, New York State (NYC data are combined for a single NYS rate), North Dakota, Oklahoma, Oregon, Pennsylvania, Puerto Rico (excluded from national estimates), South Dakota, Tennessee, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and Wyoming. Connecticut and Oklahoma are not participating in the PRAMS ARF portal. PRAMS methodology and data releases can be found at: <https://www.cdc.gov/prams/index.htm>.

**APPENDIX F. Indicator Descriptions and Source Notes (continued)**

- 10. Women with postpartum depression:** Percent of women with a recent live birth with self-reported postpartum depressive symptoms. Authors' analysis of PRAMS Automated Research File (ARF), 2021.
- 11. Women ages 18–64 who report poor mental health:** Percent of women ages 18–64 who reported having 14 or more poor mental health days in the past month. Authors' analysis of 2022 BRFSS (CDC, NCCDPHP).
- 12. Women experiencing intimate partner violence:** Percent of women with a recent live birth who experienced intimate partner violence before and/or during pregnancy. Authors' analysis of PRAMS Automated Research File (ARF), 2021.
- 13. Uninsured women ages 19–64:** Percent of women ages 19–64 without health insurance coverage. Authors' analysis of 2022 1-year ACS PUMS (U.S. Census Bureau).
- 14. Uninsured women, preconception:** Percent of women with a recent live birth who reported being uninsured a month before pregnancy. Authors' analysis of PRAMS Automated Research File (ARF), 2021.
- 15. Uninsured women, during pregnancy:** Percent of women with a recent live birth who reported being uninsured during pregnancy. Authors' analysis of PRAMS Automated Research File (ARF), 2021.
- 16. Women ages 18–44 who went without care because of cost:** Percent of women ages 18–44 who reported a time in the past 12 months when they needed to see a doctor but could not because of cost. Authors' analysis of BRFSS, 2022 (CDC, NCCDPHP).
- 17. Women ages 18–44 without a usual source of care:** Percent of women ages 18–44 who did not have one (or more) person they think of as their personal health care provider. Authors' analysis of BRFSS, 2022 (CDC, NCCDPHP).
- 18. Self-pay in-hospital births:** Percent of in-hospital live births where "self pay" was designated as the source of payment, among birth records that reported a specific payment source category. Authors' analysis of NVSS-N, 2022 (NCHS), retrieved using CDC WONDER.
- 19. Maternity care workforce:** Rate of maternity care providers (MDs, DOs, certified nurse midwives practicing in obstetrics and gynecology) per 100,000 women ages 15–44. Authors' analysis of Health Resources and Services Administration (HRSA) Area Health Resource File, 2022.
- 20. Number of abortion clinics:** Number of abortion clinics (brick-and-mortar and telehealth) that were open and provided medication and/or procedural abortion and publicly advertise doing so, per 100,000 women ages 15–44. Authors' analysis of ANSIRH Abortion Facility Database, 2023.
- 21. Low-risk cesarean births:** Rate of singleton, term (37 completed weeks or more of gestation based on the obstetric estimate), vertex (not breech), cesarean deliveries to women having a first birth per 100 women delivering singleton, term, vertex, first births. Brady E. Hamilton, Joyce A. Martin, and Michelle J.K. Osterman, *Births: Provisional Data for 2022*, Vital Statistics Rapid Release no. 28 (National Center for Health Statistics, June 2023).
- 22. Women ages 18–44 without a routine checkup in the past two years:** Percent of women ages 18–44 who reported not visiting a doctor for a routine checkup in the past two years. Authors' analysis of BRFSS, 2022 (CDC, NCCDPHP).
- 23. No early prenatal care:** Percent of live births where prenatal care did not begin during the first to third month of pregnancy, among birth records that specified a time period for when prenatal care began. Authors' analysis of NVSS-N, 2022 (NCHS), retrieved using CDC WONDER.
- 24. Women without a postpartum checkup after birth:** Percent of women with a recent live birth who did not report receiving a maternal postpartum checkup visit. Authors' analysis of PRAMS Automated Research File (ARF), 2021.
- 25. Women with up-to-date breast cancer screening:** Percent of women ages 50–75 with a mammogram in the past two years. Authors' analysis of BRFSS, 2022 (CDC, NCCDPHP).
- 26. Women with up-to-date cervical cancer screening:** Percent of women ages 21–65 with a current cervical cancer screening test. This includes a Pap smear within the past three years among women ages 21–30 and a Pap smear within the past three years or an HPV test within the past five years among women ages 30–65. Authors' analysis of BRFSS, 2022 (CDC, NCCDPHP).
- 27. Women with up-to-date colon cancer screening:** Percent of women ages 45–75 who received a sigmoidoscopy or a colonoscopy in the past 10 years or a fecal occult blood test in the past two years. Authors' analysis of BRFSS, 2022 (CDC, NCCDPHP).
- 28. Women who received a flu shot before or during pregnancy:** Percent of women with a recent live birth who reported receiving a flu shot in the 12 months before delivery or during pregnancy. Authors' analysis of PRAMS Automated Research File (ARF), 2021.
- 29. Women age 65 and older who have ever received a pneumonia vaccine:** Percent of women age 65 and older who ever received a pneumonia vaccine. Authors' analysis of BRFSS, 2022 (CDC, NCCDPHP).

**APPENDIX F. Indicator Descriptions and Source Notes (continued)****30. Women ages 18–64 who have ever had an HIV or AIDS**

**test:** Percent of women ages 18–64 who have ever had an HIV or AIDS test. Authors' analysis of BRFSS, 2022 (CDC, NCCDPHP).

**31. Postpartum depression screening:** Percent of women with a recent live birth who were asked about depression during postpartum visit. Authors' analysis of PRAMS Automated Research File (ARF), 2021.

**32. Recently pregnant women with a dental cleaning during pregnancy:** Percent of women with a recent live birth who had teeth cleaned during pregnancy by a dentist or dental hygienist. Authors' analysis of PRAMS Automated Research File (ARF), 2021.

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