

2023 Scorecard on State Health System Performance

Americans' Health Declines and
Access to Reproductive Care
Shrinks, But States Have Options

APPENDICES

The following appendices are part of a Commonwealth Fund report, David C. Radley et al., *The Commonwealth Fund 2023 Scorecard on State Health System Performance: Americans' Health Declines and Access to Reproductive Care Shrinks, But States Have Options* (Commonwealth Fund, June 2023).

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APPENDIX A1. State Scorecard Data Years and Databases

Indicator	Past year	Current year	Database
Access and Affordability			
1 Uninsured adults	2019	2021	American Community Survey, Public Use Microdata Sample (ACS PUMS)
2 Uninsured children	2019	2021	American Community Survey, Public Use Microdata Sample (ACS PUMS)
3 Adults who went without care because of cost	2019	2021	Behavioral Risk Factor Surveillance System (BRFSS)
4 Adults without a usual source of care	—	2021	Behavioral Risk Factor Surveillance System (BRFSS)
5 High out-of-pocket medical spending	2018–19	2020–21	Current Population Survey Annual Social and Economic Supplement (CPS ASEC)
6 Employee total potential out-of-pocket medical costs as a share of state median income	2019	2021	Medical Expenditure Panel Survey Insurance Component (MEPS-IC)
7 People with medical debt	—	2021	Urban Institute: Debt in America dashboard
8 Adults without a dental visit	2018	2020	Behavioral Risk Factor Surveillance System (BRFSS)
Prevention and Treatment			
9 Adults with all recommended cancer screenings	2018	2020	Behavioral Risk Factor Surveillance System (BRFSS)
10 Adults with age-appropriate vaccines	2019	2021	Behavioral Risk Factor Surveillance System (BRFSS)
11 Adults vaccinated against COVID-19 with a booster	—	2022	Centers for Disease Control and Prevention, COVID Data Tracker
12 Diabetic adults without an annual hemoglobin A1c test	2019	2021	Merative MarketScan
13 Children without all recommended vaccines	2019	2021	National Immunization Survey (NIS)
14 Children with a medical home	2018–19	2020–21	National Survey of Children's Health (NSCH)
15 Children without a medical and dental preventive care visit	—	2020–21	National Survey of Children's Health (NSCH)
16 Children who did not receive needed mental health care	2018–19	2020–21	National Survey of Children's Health (NSCH)
17 Adults with any mental illness who did not receive treatment	—	2019–20	National Survey on Drug Use and Health (NSDUH), via State of Mental Health in America
18 Youth with depression who did not receive mental health services	—	2019–20	National Survey on Drug Use and Health (NSDUH), via State of Mental Health in America
19 Hospitals with better-than-average patient experience ratings	2019	2021	Hospital Consumer Assessment of Healthcare Providers and Systems (HCAHPS), via CMS Hospital Compare
20 Hospital 30-day mortality	07/2016–06/2019	07/2018–06/2021	CMS Hospital Compare
21 Central line-associated bloodstream infection (CLABSI)	2019	2021	CDC Healthcare-Associated Infections (HAI) Progress Report
22 Nursing home residents with an antipsychotic medication	2018	2020	Minimum Data Set (MDS), via CMS Nursing Home Compare
23 Home health patients with improved mobility	2017	2019	Outcome and Assessment Information Set (OASIS), via CMS home Health Compare
Avoidable Hospital Use and Cost			
Potentially avoidable emergency department visits			
24 Potentially avoidable emergency department visits ages 18–64	2019	2021	Merative MarketScan
25 Potentially avoidable emergency department visits age 65 and older	2019	2021	CMS Limited Data Set (LDS)
Admissions for ambulatory care-sensitive conditions			
26 Preventable hospitalizations ages 18–64	2019	2021	Merative MarketScan
27 Preventable hospitalizations age 65 and older	2019	2021	Chronic Conditions Data Warehouse (CCW), via CMS Geographic Variation Public Use File
30-day hospital readmissions			
28 Hospital 30-day readmission rate ages 18–64	2019	2021	Merative MarketScan
29 Hospital 30-day readmission rate age 65 and older	2019	2021	Chronic Conditions Data Warehouse (CCW), via CMS Geographic Variation Public Use File
30 Skilled nursing patients with a successful discharge	2018	2020	CMS MedPar
31 Home health patients with a hospital admission	2017	2019	Medicare Claims, via CMS Home Health Compare
32 Adults with inappropriate lower back imaging	2019	2021	Merative MarketScan
33 Employer-sponsored insurance spending per enrollee	2019	2021	Merative MarketScan
34 Medicare spending per beneficiary	2019	2021	Chronic Conditions Data Warehouse (CCW), via CMS Geographic Variation Public Use File
Primary care as a share of total medical spending			
35 Primary care spending as share of total, ages 18–64	2019	2021	Merative MarketScan
36 Primary care spending as share of total, age 65 and older	2018	2020	CMS Limited Data Set (LDS)
Healthy Lives			
37 Premature deaths from treatable causes	2018–19	2020–21	CDC National Vital Statistics System (NVSS): Restricted Use Mortality Microdata
38 Premature deaths from preventable causes	2018–19	2020–21	CDC National Vital Statistics System (NVSS): Restricted Use Mortality Microdata
39 Drug overdose deaths	2019	2021	CDC National Vital Statistics System (NVSS): WONDER
40 Suicide deaths	2019	2021	CDC National Vital Statistics System (NVSS): WONDER
41 Alcohol deaths	2019	2021	CDC National Vital Statistics System (NVSS): WONDER
42 Adults who report fair or poor health	2019	2021	Behavioral Risk Factor Surveillance System (BRFSS)
43 Adults who smoke	2019	2021	Behavioral Risk Factor Surveillance System (BRFSS)
44 Adults who are obese	2019	2021	Behavioral Risk Factor Surveillance System (BRFSS)
45 Children who are overweight or obese	2018–19	2020–21	National Survey of Children's Health (NSCH)
46 Adults who have lost six or more teeth	2018	2020	Behavioral Risk Factor Surveillance System (BRFSS)
Reproductive Care and Women's Health			
47 Maternal mortality	—	2019–21	CDC National Vital Statistics System (NVSS): WONDER
48 Severe maternal morbidity	2018	2020	Healthcare Cost and Utilization Project (HCUP), Agency for Healthcare Research and Quality (AHRQ)
49 Infant mortality	2018	2020	CDC National Vital Statistics System (NVSS): WONDER
50 Preterm birth rate	2019	2021	CDC National Vital Statistics System (NVSS): WONDER
51 Breast and cervical cancer deaths	2019	2021	CDC National Vital Statistics System (NVSS): WONDER
52 All-cause mortality rate per 100,000 women ages 15–44	2019	2021	CDC National Vital Statistics System (NVSS): WONDER
53 Self-pay in-hospital births	2019	2021	CDC National Vital Statistics System (NVSS): WONDER
54 Women ages 18–44 without a usual source of care	—	2021	Behavioral Risk Factor Surveillance System (BRFSS)
55 Women ages 18–44 without a routine checkup	2019	2021	Behavioral Risk Factor Surveillance System (BRFSS)
56 No early prenatal care	2019	2021	CDC National Vital Statistics System (NVSS): WONDER
57 Women without a postpartum checkup after birth	2018	2020	Pregnancy Risk Assessment Monitoring System (PRAMS), CDC Division of Reproductive Health
58 Women with up-to-date breast and cervical cancer screenings	2018	2020	Behavioral Risk Factor Surveillance System (BRFSS)

Note: (—) Previous data not available or its definition is not comparable over time.

APPENDIX A2. List of Indicators in the State Scorecard on State Health System Performance

Indicator	Data years represented		U.S. average rate		Range of state performance	
	Baseline	2023 Scorecard	Baseline	2023 Scorecard	Baseline	2023 Scorecard
Access and Affordability						
1 Uninsured adults	2019	2021	13%	12%	4%–25%	3%–24%
2 Uninsured children	2019	2021	6%	5%	2%–13%	1%–12%
3 Adults who went without care because of cost	2019	2021	14%	10%	8%–19%	5%–16%
4 Adults without a usual source of care	—	2021	—	17%	—	9%–26%
5 High out-of-pocket medical spending	2018–19	2020–21	10%	7%	6%–14%	5%–14%
6 Employee total potential out-of-pocket medical costs as a share of state median income	2019	2021	12%	12%	7%–17%	7%–17%
7 People with medical debt	—	2021	—	13%	—	2%–24%
8 Adults without a dental visit	2018	2020	34%	35%	24%–46%	25%–43%
Prevention and Treatment						
9 Adults with all recommended cancer screenings	2018	2020	68%	69%	59%–76%	59%–76%
10 Adults with age-appropriate vaccines	2019	2021	41%	42%	30%–48%	34%–54%
11 Adults vaccinated against COVID-19 with a booster	—	2022	—	42%	—	26%–63%
12 Diabetic adults without an annual hemoglobin A1c test	2019	2021	8%	10%	8%–19%	4%–23%
13 Children without all recommended vaccines	2019	2021	27%	28%	16%–38%	12%–43%
14 Children with a medical home	2018–19	2020–21	48%	46%	40%–59%	34%–55%
15 Children without a medical and dental preventive care visit	—	2020–21	—	38%	—	26%–48%
16 Children who did not receive needed mental health care	2018–19	2020–21	18%	20%	9%–32%	11%–33%
17 Adults with any mental illness who did not receive treatment	—	2019–20	—	55%	—	41%–69%
18 Youth with depression who did not receive mental health services	—	2019–20	—	60%	—	33%–77%
19 Hospitals with better-than-average patient experience ratings	2019	2021	48%	45%	17%–81%	9%–83%
20 Hospital 30-day mortality	07/2016–06/2019	07/2018–06/2021	14%	12%	12%–15%	11%–14%
21 Central line–associated bloodstream infection (CLABSI)	2019	2021	0.69	0.92	0.31–0.94	0.57–1.29
22 Nursing home residents with an antipsychotic medication	2018	2020	15%	14%	8%–20%	9%–21%
23 Home health patients with improved mobility	2017	2019	75%	80%	65%–80%	60%–87%
Avoidable Hospital Use and Cost						
Potentially avoidable emergency department visits						
24 Potentially avoidable emergency department visits ages 18–64	2019	2021	137.4	133.9	73.1–234.2	122.1–152.6
25 Potentially avoidable emergency department visits age 65 and older	2019	2021	185.3	141.3	142.6–236.7	114.5–176.4
Admissions for ambulatory care–sensitive conditions						
26 Preventable hospitalizations ages 18–64	2019	2021	6.7	4.4	5.7–7.9	3.5–5.5
27 Preventable hospitalizations age 65 and older	2019	2021	40.5	28.6	20.0–52.8	15.8–40.2
30-day hospital readmissions						
28 Hospital 30-day readmission rate ages 18–64	2019	2021	3.1	2.9	2.6–3.6	2.1–3.3
29 Hospital 30-day readmission rate age 65 and older	2019	2021	39.8	33.1	18.4–54.2	16.1–42.7
30 Skilled nursing patients with a successful discharge	2018	2020	54%	57%	44%–67%	44%–69%
31 Home health patients with a hospital admission	2017	2019	16%	15%	14%–18%	11%–19%
32 Adults with inappropriate lower back imaging	2019	2021	68%	69%	57%–79%	60%–79%
33 Employer-sponsored insurance spending per enrollee	2019	2021	\$5,354	\$6,060	\$4,082–\$8,196	\$4,255–\$8,959
34 Medicare spending per beneficiary	2019	2021	\$10,180	\$10,478	\$6,637–\$11,858	\$6,915–\$12,211
Primary care as a share of total medical spending						
35 Primary care spending as share of total, ages 18–64	2019	2021	7.2%	6.9%	4.7%–11.2%	4.1%–10.0%
36 Primary care spending as share of total, age 65 and older	2018	2020	5.7%	5.5%	4.9%–7.1%	4.3%–7.6%
Healthy Lives						
37 Premature deaths from treatable causes	2018–19	2020–21	83.8	88.8	59.5–137.5	59.2–155.1
38 Premature deaths from preventable causes	2018–19	2020–21	166.3	231.9	126.4–269.0	152.0–364.7
39 Drug overdose deaths	2019	2021	21.6	32.4	8.7–52.8	11.4–90.9
40 Suicide deaths	2019	2021	13.9	14.1	6.2–29.3	6.2–32.3
41 Alcohol deaths	2019	2021	10.4	14.4	5.9–34.3	7.8–50.0
42 Adults who report fair or poor health	2019	2021	17%	14%	11%–24%	10%–20%
43 Adults who smoke	2019	2021	15%	14%	8%–24%	7%–22%
44 Adults who are obese	2019	2021	32%	34%	23%–42%	25%–43%
45 Children who are overweight or obese	2018–19	2020–21	31%	34%	22%–40%	24%–41%
46 Adults who have lost six or more teeth	2018	2020	9%	9%	5%–20%	5%–19%
Reproductive Care and Women’s Health						
47 Maternal mortality	—	2019–21	—	25.6	—	9.6–50.3
48 Severe maternal morbidity	2018	2020	76.7	88.2	33.7–103.6	42.6–117.4
49 Infant mortality	2018	2020	5.7	5.4	3.5–8.4	3.5–8.1
50 Preterm birth rate	2019	2021	10.2%	10.5%	8.2%–14.6%	8.0%–15.0%
51 Breast and cervical cancer deaths	2019	2021	21.6	21.7	16.7–26.4	16.3–28.6
52 All-cause mortality rate per 100,000 women ages 15–44	2019	2021	89.4	124.2	63.4–174.8	78.9–238.6
53 Self-pay in-hospital births	2019	2021	3.4%	2.7%	<1.0%–7.8%	<1.0%–7.3%
54 Women ages 18–44 without a usual source of care	—	2021	—	21%	—	9%–33%
55 Women ages 18–44 without a routine checkup	2019	2021	13%	13%	4%–22%	8%–19%
56 No early prenatal care	2019	2021	22%	22%	11%–32%	11%–29%
57 Women without a postpartum checkup after birth	2018	2020	9%	11%	4%–13%	8%–15%
58 Women with up-to-date breast and cervical cancer screenings	2018	2020	76%	74%	63%–82%	63%–80%

Notes: (–) Previous data are not shown because of changes in the indicators’ definitions or data were not available.

APPENDIX A3. National and Regional Performance Benchmarks

Indicator	National		Great Lakes		Mid-Atlantic		New England		Plains	
	Rate	Best state(s)	Rate	Best state(s)	Rate	Best state(s)	Rate	Best state(s)	Rate	Best state(s)
Access and Affordability										
1 Uninsured adults	3%	MA	7	WI	4	DC	3	MA	6	MN
2 Uninsured children	1%	MA	3	IL	3	NY	1	MA	3	MN
3 Adults who went without care because of cost	5%	HI	7	WI	7	DC	6	VT	6	IA
4 Adults without a usual source of care	9%	NH	11	MI	11	PA	9	NH	14	KS
5 High out-of-pocket medical spending	4.5%	RI	6.3	IN	5.5	DC	4.5	RI	5.6	MN
6 Employee total potential out-of-pocket medical costs as a share of state median income	7.1%	DC	8.3	MI	7.1	DC	8.5	NH	8.9	MN
7 People with medical debt	2%	MN	11	WI	6	NY	4	MA	2	MN
8 Adults without a dental visit	25%	HI	28	WI	32	PA	26	RI	31	MN
Prevention and Treatment										
9 Adults with all recommended cancer screenings	76%	DC	72	MI	76	DC	76	RI	71	MN
10 Adults with age-appropriate vaccines	54%	MA	47	WI	50	DC	54	MA	48	SD
11 Adults vaccinated against COVID-19 with a booster	63%	VT	49	WI	53	MD	63	VT	54	MN
12 Diabetic adults without an annual hemoglobin A1c test	4%	MA	8	IN	5	NJ	4	MA	6	IA
13 Children without all recommended vaccines	12%	IA	26	WI	19	MD	15	MA	12	IA
14 Children with a medical home	55%	NH	53	WI	47	PA	55	NH	54	IA
15 Children without a medical and dental preventive care visit	26%	NH	35	MI	27	DC	26	NH	31	IA
16 Children who did not receive needed mental health care	11%	WY	16	OH	15	PA	14	ME	13	NE
17 Adults with any mental illness who did not receive treatment	41%	MT	47	WI	48	DE	43	MA, VT	42	NE
18 Youth with depression who did not receive mental health services	33%	DC	40	IL	33	DC	36	NH	43	SD
19 Hospitals with better-than-average patient experience ratings	83%	OR, VT	71	WI	52	PA	83	VT	73	SD
20 Hospital 30-day mortality	11.3%	DC	11.9	OH	11.3	DC	11.5	MA	11.6	MN
21 Central line-associated bloodstream infection (CLABSI)	0.571	ND	0.778	IL	0.661	DE	0.642	NH	0.571	ND
22 Nursing home residents with an antipsychotic medication	9%	HI	13	MI	10	DC	15	VT	16	MN
23 Home health patients with improved mobility	87%	AL	81	MI	85	MD	85	NH	83	MO
Avoidable Hospital Use and Cost										
Potentially avoidable emergency department visits										
24 Potentially avoidable emergency department visits ages 18–64	122.1	UT	130.4	WI	124.4	PA	125.4	CT	128.5	IA
25 Potentially avoidable emergency department visits age 65 and older	114.5	HI	149.4	IL	126.6	NJ	124.0	RI	124.0	SD
Admissions for ambulatory care-sensitive conditions										
26 Preventable hospitalizations ages 18–64	3.5	PA, WI	3.5	WI	3.5	PA	4.0	CT	3.8	MO
27 Preventable hospitalizations age 65 and older	15.8	HI, ID	25.0	WI	26.2	MD	23.6	ME	22.6	MN
30-day hospital readmissions										
28 Hospital 30-day readmission rate ages 18–64	2.1	NH	2.8	MI, WI	2.8	PA	2.1	NH	2.6	MO
29 Hospital 30-day readmission rate age 65 and older	16.1	HI	27.5	WI	29.9	DE	22.8	ME	24.0	IA
30 Skilled nursing patients with a successful discharge	69%	UT	63	WI	59	MD	63	ME, VT	63	MN
31 Home health patients with a hospital admission	11%	UT	16	IL, MI, WI	15	DC	15	ME, VT	16	MN, NE, SD
32 Adults with inappropriate lower back imaging	60%	NH	66	OH	64	NY	60	NH	64	ND
33 Employer-sponsored insurance spending per enrollee	\$4,255	AR	5,066	MI	4,417	MD	5,476	RI	5,135	IA
34 Medicare spending per beneficiary	\$6,915	HI	9,222	WI	10,262	DC	8,006	VT	9,491	SD
Primary care as a share of total medical spending										
35 Primary care spending as share of total, ages 18–64	10.0%	AK, MN, ND	9.7	WI	7.7	MD	8.7	MA	10.0	MN, ND
36 Primary care spending as share of total, age 65 and older	7.6%	SC	5.4	IL	5.3	DE, PA	5.1	VT	6.5	KS
Healthy Lives										
37 Premature deaths from treatable causes	59.2	MA	73.6	WI	75.3	NJ	59.2	MA	60.7	MN
38 Premature deaths from preventable causes	152.0	HI	199.2	WI	182.3	NJ	162.9	MA	169.3	MN
39 Drug overdose deaths	11.4	NE	29.0	IL	28.7	NY	32.3	NH	11.4	NE
40 Suicide deaths	6.2	DC	11.1	IL	6.2	DC	8.0	MA	13.9	MN
41 Alcohol deaths	7.8	NJ	11.4	IL	7.8	NJ	12.5	MA	13.2	MO
42 Adults who report fair or poor health	10%	MA	13	WI	12	MD	10	MA	11	MN
43 Adults who smoke	7%	UT	12	IL	10	DC	11	MA	13	MN, NE
44 Adults who are obese	25%	DC	34	WI	25	DC	28	MA	33	MN
45 Children who are overweight or obese	24%	WY	30	IN	29	NJ	27	NH	26	MN
46 Adults who have lost six or more teeth	5%	HI	6	IL	5	DC	7	CT	7	MN
Reproductive Care and Women’s Health										
47 Maternal mortality	9.6	CA	14.5	WI	17.6	PA	14.7	MA	13.9	MN
48 Severe maternal morbidity	42.6	WY	76.6	IN	79.9	DE	56.4	ME	43	SD
49 Infant mortality	3.5	VT	5.5	IL	4	NJ	3.5	VT	4.1	MN
50 Preterm birth rate	8.0%	VT	10.0	WI	9.2	NJ	8.0	VT	9.6	ND
51 Breast and cervical cancer deaths	16.3	MA	18.5	WI	18.2	NY	16.3	MA	17.5	ND
52 All-cause mortality rate per 100,000 women ages 15–44	78.9	HI	102.8	IL	83.2	NY	81.8	MA	92.3	IA
53 Self-pay in-hospital births	0.3%	RI	0.7	WI	0.6	NY	0.3	RI	1.1	MN
54 Women ages 18–44 without a usual source of care	9%	NH	10	WI	13	PA	9	NH	14	IA
55 Women ages 18–44 without a routine checkup	8%	NY	8	IL	8	NY	9	MA, NH	9	SD
56 No early prenatal care	11%	VT	17	WI	19	NY	11	VT	16	KS
57 Women without a postpartum checkup after birth	8%	CT	9	IL	10	MD	8	CT	9	IA
58 Women with up-to-date breast and cervical cancer screenings	80%	CT, DC	74	MI	80	DC	80	CT	74	SD

APPENDIX A3. National and Regional Performance Benchmarks (continued)

Indicator	National		Rocky Mountain		Southeast		Southwest		West	
	Rate	Best state(s)	Rate	Best state(s)	Rate	Best state(s)	Rate	Best state(s)	Rate	Best state(s)
Access and Affordability										
1 Uninsured adults	3%	MA	11	MT	8	KY	14	NM	5	HI
2 Uninsured children	1%	MA	5	CO	3	WV	7	NM	3	HI
3 Adults who went without care because of cost	5%	HI	8	MT	8	VA	8	NM	5	HI
4 Adults without a usual source of care	9%	NH	17	ID	13	WV	21	OK	10	HI
5 High out-of-pocket medical spending	4.5%	RI	8.3	MT	6.7	VA	7.1	NM	6.0	AK, WA
6 Employee total potential out-of-pocket medical costs as a share of state median income	7.1%	DC	9.8	WY	11.1	VA	13.1	TX	8.9	HI, WA
7 People with medical debt	2%	MN	11	CO, MT	14	FL, VA	12	AZ	4	AK
8 Adults without a dental visit	25%	HI	27	UT	30	VA	36	NM	25	HI
Prevention and Treatment										
9 Adults with all recommended cancer screenings	76%	DC	68	CO	72	NC	65	TX	73	HI
10 Adults with age-appropriate vaccines	54%	MA	47	CO	47	VA	41	NM	46	WA
11 Adults vaccinated against COVID-19 with a booster	63%	VT	50	CO	48	VA	49	NM	57	HI
12 Diabetic adults without an annual hemoglobin A1c test	4%	MA	6	CO	7	KY	7	OK	8	AK
13 Children without all recommended vaccines	12%	IA	21	UT	21	NC, VA	27	TX	25	OR, WA
14 Children with a medical home	55%	NH	54	UT	50	KY, TN	48	OK	51	OR
15 Children without a medical and dental preventive care visit	26%	NH	29	CO	33	WV	39	AZ, TX	32	HI
16 Children who did not receive needed mental health care	11%	WY	11	WY	13	SC	16	OK	13	WA
17 Adults with any mental illness who did not receive treatment	41%	MT	41	MT	46	AR, TN	46	NM	50	WA
18 Youth with depression who did not receive mental health services	33%	DC	34	CO	53	LA	38	NM	51	NV
19 Hospitals with better-than-average patient experience ratings	83%	OR, VT	77	CO	53	MS	54	TX	83	OR
20 Hospital 30-day mortality	11.3%	DC	12.0	CO, UT	12.2	FL	12.1	TX	11.9	CA
21 Central line-associated bloodstream infection (CLABSI)	0.571	ND	0.828	CO	0.799	VA	0.956	TX	0.573	HI
22 Nursing home residents with an antipsychotic medication	9%	HI	14	UT	12	FL	11	AZ	9	HI
23 Home health patients with improved mobility	87%	AL	83	UT	87	AL	81	OK	78	WA
Avoidable Hospital Use and Cost										
Potentially avoidable emergency department visits										
24 Potentially avoidable emergency department visits ages 18–64	122.1	UT	122.1	UT	122.5	KY	128.1	AZ	130.9	CA
25 Potentially avoidable emergency department visits age 65 and older	114.5	HI	118.4	UT	127.4	TN	124.6	AZ	114.5	HI
Admissions for ambulatory care-sensitive conditions										
26 Preventable hospitalizations ages 18–64	3.5	PA, WI	3.7	WY	3.9	AL, KY	4.1	AZ	3.6	WA
27 Preventable hospitalizations age 65 and older	15.8	HI, ID	15.8	ID	25.5	SC	19.8	AZ	15.8	HI
30-day hospital readmissions										
28 Hospital 30-day readmission rate ages 18–64	2.1	NH	2.7	MT, WY	2.8	AR, FL, NC, VA	2.8	NM, TX	2.6	WA
29 Hospital 30-day readmission rate age 65 and older	16.1	HI	16.6	ID	28.1	SC	21.6	NM	16.1	HI
30 Skilled nursing patients with a successful discharge	69%	UT	69	UT	59	NC, VA	60	AZ	67	HI
31 Home health patients with a hospital admission	11%	UT	11	UT	14	FL	13	NM	12	CA
32 Adults with inappropriate lower back imaging	60%	NH	66	MT	64	TN	66	NM, OK	66	CA
33 Employer-sponsored insurance spending per enrollee	\$4,255	AR	5,708	UT	4,255	AR	5,543	AZ	4,566	HI
34 Medicare spending per beneficiary	\$6,915	HI	8,243	MT	9,530	VA	8,360	NM	6,915	HI
Primary care as a share of total medical spending										
35 Primary care spending as share of total, ages 18–64	10.0%	AK, MN, ND	7.3	MT	9.0	NC	7.3	AZ, TX	10.0	AK
36 Primary care spending as share of total, age 65 and older	7.6%	SC	7.1	UT	7.6	SC	7.0	AZ	5.7	NV, WA
Healthy Lives										
37 Premature deaths from treatable causes	59.2	MA	66.5	CO	85.2	VA	87.9	AZ	68.0	OR
38 Premature deaths from preventable causes	152.0	HI	169.1	UT	199.8	VA	249.6	TX	152.0	HI
39 Drug overdose deaths	11.4	NE	18.9	WY	22.3	AR	16.8	TX	17.3	HI
40 Suicide deaths	6.2	DC	20.1	UT	13.2	NC, VA	14.2	TX	10.1	CA
41 Alcohol deaths	7.8	NJ	13.8	UT	9.8	LA	11.4	TX	8.2	HI
42 Adults who report fair or poor health	10%	MA	11	UT	13	VA	15	AZ	10	HI
43 Adults who smoke	7%	UT	7	UT	12	VA	13	AZ, TX	9	CA
44 Adults who are obese	25%	DC	26	CO	35	VA	32	AZ	28	HI
45 Children who are overweight or obese	24%	WY	24	WY	33	FL	31	AZ	28	WA
46 Adults who have lost six or more teeth	5%	HI	6	UT	7	VA	7	TX	5	HI
Reproductive Care and Women’s Health										
47 Maternal mortality	9.6	CA	17.6	CO	24.7	WV	30.3	OK	9.6	CA
48 Severe maternal morbidity	42.6	WY	42.6	WY	63.1	AR	78.2	OK	66.2	OR
49 Infant mortality	3.5	VT	4.8	CO	5.8	FL, VA	5.2	AZ	3.9	CA
50 Preterm birth rate	8.0%	VT	9.0	ID	9.9	VA	10.0	AZ	8.9	WA
51 Breast and cervical cancer deaths	16.3	MA	18.8	MT	21.6	FL	21.4	NM	18.6	HI
52 All-cause mortality rate per 100,000 women ages 15–44	78.9	HI	96.2	UT	113.3	VA	117.8	TX	78.9	HI
53 Self-pay in-hospital births	0.3%	RI	2.0	CO	0.8	LA	1.5	OK	0.6	WA
54 Women ages 18–44 without a usual source of care	9%	NH	18	ID	15	LA	27	OK	13	HI
55 Women ages 18–44 without a routine checkup	8%	NY	13	ID	9	LA	16	AZ	11	HI
56 No early prenatal care	11%	VT	17	UT	20	VA	22	OK	14	CA
57 Women without a postpartum checkup after birth	8%	CT	10	WY	9	AL	14	NM	8	OR
58 Women with up-to-date breast and cervical cancer screenings	80%	CT, DC	70	CO	77	LA	72	TX	77	HI

APPENDIX B1. State Scorecard Summary of Health System Performance Across Dimensions

Overall performance

Top quartile
 Second quartile
 Third quartile
 Bottom quartile
 No dimension score

Current Ranking		Access and Affordability	Prevention and Treatment	Avoidable Use and Cost	Healthy Lives	Reproductive Care & Women's Health	Income Disparity	Racial and Ethnic Equity
1	Massachusetts							
2	Hawaii							
3	New Hampshire							
4	Rhode Island							
5	Vermont							
6	Connecticut							
7	Washington							
8	Maryland							
9	New York							
9	Pennsylvania							
11	District of Columbia							
11	Minnesota							
13	Oregon							
14	California							
15	Iowa							
16	Maine							
17	New Jersey							
18	Colorado							
19	Utah							
20	Virginia							
21	Nebraska							
21	Wisconsin							
23	Idaho							
23	Illinois							
25	Delaware							
26	Montana							
27	Michigan							
28	North Dakota							
29	South Dakota							
30	Kansas							
31	Ohio							
32	New Mexico							
33	North Carolina							
34	Arizona							
34	Indiana							
36	Florida							
37	South Carolina							
38	Missouri							
39	Alaska							
40	Kentucky							
41	Nevada							
42	Alabama							
43	Louisiana							
43	Wyoming							
45	Georgia							
46	Tennessee							
47	Arkansas							
48	Texas							
49	West Virginia							
49	Oklahoma							
51	Mississippi							

Notes: Green means that state did not receive a dimension score.

APPENDIX B2. Summary of State Rankings in Current and Previous Scorecards

State	2023 Scorecard Rankings								Overall ranking in the baseline time period ^a
	Overall ranking	Access and Affordability	Prevention and Treatment	Avoidable Use and Cost	Healthy Lives	Reproductive Care and Women's Health	Income Disparity	Racial and Ethnic Equity	
Alabama	42	38	43	31	43	43	49	36	42
Alaska	39	33	50	13	41	48	17	40	33
Arizona	34	42	49	7	32	43	22	30	30
Arkansas	47	45	40	17	48	46	44	43	45
California	14	21	45	16	10	12	13	6	13
Colorado	18	29	5	9	11	22	32	19	14
Connecticut	6	8	7	40	7	5	8	8	4
Delaware	25	25	14	25	27	29	24	16	28
District of Columbia	11	5	5	43	20	19	38	3	8
Florida	36	44	40	34	25	35	50	18	36
Georgia	45	48	44	42	33	45	46	32	46
Hawaii	2	2	26	2	1	11	3	2	2
Idaho	23	32	35	5	15	22	15	22	22
Illinois	23	19	25	46	16	14	33	17	23
Indiana	34	28	31	47	38	32	29	34	37
Iowa	15	11	7	12	24	6	25	25	8
Kansas	30	27	27	32	26	27	42	39	32
Kentucky	40	30	33	38	49	35	39	26	39
Louisiana	43	36	42	51	46	38	16	31	38
Maine	16	17	9	33	30	4	19	—	21
Maryland	8	14	10	18	14	17	10	7	12
Massachusetts	1	1	1	44	1	1	7	1	1
Michigan	27	11	20	38	34	26	31	20	26
Minnesota	11	7	12	30	5	13	4	23	6
Mississippi	51	47	47	37	50	50	35	49	51
Missouri	38	35	36	35	40	34	51	28	42
Montana	26	31	19	8	28	25	6	26	27
Nebraska	21	22	11	10	12	24	21	32	24
Nevada	41	45	51	20	36	37	22	35	42
New Hampshire	3	4	1	20	9	3	20	5	3
New Jersey	17	15	18	41	4	21	29	13	19
New Mexico	32	42	37	10	47	51	5	12	33
New York	9	13	28	44	6	10	1	11	8
North Carolina	33	40	28	15	30	41	46	24	35
North Dakota	28	24	30	19	21	17	25	43	25
Ohio	31	26	23	49	39	31	36	21	31
Oklahoma	49	50	37	48	44	47	43	42	50
Oregon	13	17	20	4	22	9	12	15	17
Pennsylvania	9	9	13	23	23	16	9	10	15
Rhode Island	4	3	3	24	12	2	17	4	4
South Carolina	37	39	34	5	42	42	41	46	39
South Dakota	29	22	24	14	37	20	11	40	29
Tennessee	46	41	31	29	45	40	48	47	47
Texas	48	51	48	36	29	49	45	38	48
Utah	19	33	16	1	3	27	27	28	15
Vermont	5	5	4	22	17	7	2	—	6
Virginia	20	20	17	25	18	30	39	8	18
Washington	7	10	20	3	8	15	14	14	8
West Virginia	49	37	39	50	51	38	33	45	49
Wisconsin	21	15	14	25	19	8	27	37	20
Wyoming	43	49	46	25	34	33	37	48	41

Notes: (a) The baseline period generally reflects two to three years prior to the time of observation for the latest year of data available, with the intent to use a baseline period prior to the emergence of COVID-19 in 2020. This is not the same ranking as reported in our 2022 State Scorecard and should not be compared to the 2022 ranking because of changes in the underlying set of performance indicators evaluated in the two reports.

APPENDIX C1. Access & Affordability: Dimension Ranking and Indicator Rates

	Access Dimension Summary	Adults ages 19–64 uninsured		Children ages 0–18 uninsured		Adults age 18 and older who went without care because of cost in past year		Adults age 18 and older without a usual source of care		Individuals under age 65 with high out-of-pocket medical costs relative to their annual household income	
	2023	2021	rank	2021	rank	2021	rank	2021	rank	2020–21	rank
United States	—	12%	—	5%	—	10%	—	17%	—	7.3%	—
Alabama	38	15	44	4	23	11	41	16	29	8.8	45
Alaska	33	14	39	7	42	11	39	24	46	6.0	6
Arizona	42	15	40	9	48	11	35	22	45	8.0	32
Arkansas	45	13	35	6	34	12	43	16	24	10.7	50
California	21	10	25	4	14	9	28	18	38	6.1	9
Colorado	29	11	30	5	27	10	31	18	39	8.8	45
Connecticut	8	7	10	3	5	8	13	13	10	7.2	24
Delaware	25	9	17	3	9	7	12	15	21	7.8	30
District of Columbia	5	4	2	4	21	7	4	15	19	5.5	3
Florida	44	18	48	7	44	—	—	—	—	8.4	38
Georgia	48	18	49	7	39	16	49	19	40	8.4	38
Hawaii	2	5	4	3	4	5	1	10	6	6.2	10
Idaho	32	12	33	7	38	9	28	17	34	9.3	47
Illinois	19	10	26	3	7	10	32	17	30	6.6	16
Indiana	28	10	26	6	35	9	24	15	22	6.3	14
Iowa	11	7	8	4	16	6	2	15	20	6.5	15
Kansas	27	14	37	5	30	10	33	14	16	7.0	22
Kentucky	30	8	14	4	16	9	26	14	13	8.1	34
Louisiana	36	11	31	4	19	12	43	14	17	7.5	28
Maine	17	8	15	4	16	8	14	9	2	6.7	19
Maryland	14	8	16	5	26	9	25	13	11	6.0	6
Massachusetts	1	3	1	1	1	7	11	10	3	6.2	10
Michigan	11	7	10	3	9	8	18	11	8	7.2	24
Minnesota	7	6	5	3	7	7	4	18	37	5.6	4
Mississippi	47	18	47	6	37	13	47	17	31	8.4	38
Missouri	35	13	36	6	35	11	39	16	25	6.6	16
Montana	31	11	29	8	45	8	14	20	41	8.3	37
Nebraska	22	10	23	5	32	9	27	14	17	8.4	38
Nevada	45	15	45	9	49	13	46	25	48	6.7	19
New Hampshire	4	7	7	4	19	7	9	9	1	4.9	2
New Jersey	15	10	28	4	14	9	30	15	22	6.2	10
New Mexico	42	14	38	7	40	8	22	26	49	7.1	23
New York	13	7	12	3	6	8	19	14	14	6.6	16
North Carolina	40	15	43	5	32	11	38	17	32	8.7	43
North Dakota	24	10	24	7	41	7	6	18	36	7.8	30
Ohio	26	9	18	5	28	8	20	14	14	7.3	26
Oklahoma	50	20	50	7	42	14	48	21	43	8.1	34
Oregon	17	9	18	3	9	8	22	22	44	7.3	26
Pennsylvania	9	7	12	4	22	7	7	11	7	5.8	5
Rhode Island	3	6	6	2	3	7	8	10	3	4.5	1
South Carolina	39	15	42	5	31	12	45	16	27	9.8	49
South Dakota	22	13	34	8	47	8	16	17	32	6.2	10
Tennessee	41	15	41	5	28	12	42	17	34	8.2	36
Texas	51	24	51	12	51	16	50	26	49	8.7	43
Utah	33	11	32	8	46	11	35	20	42	9.6	48
Vermont	5	5	3	2	2	6	3	10	3	7.5	28
Virginia	20	9	22	4	25	8	16	16	25	6.7	19
Washington	10	9	20	3	9	8	20	16	27	6.0	6
West Virginia	37	9	20	3	13	10	34	13	9	8.4	38
Wisconsin	15	7	9	4	23	7	9	13	12	8.0	32
Wyoming	49	16	46	10	50	11	35	25	47	13.8	51

Note: (—) Data not available.

APPENDIX C1. Access & Affordability: Dimension Ranking and Indicator Rates (continued)

	Employee total potential out-of-pocket medical costs (premium contribution + deductible) as a share of state median income		Share of people with a credit bureau record who have medial debt in collections		Adults age 18 and older without a dental visit in past year	
	2021	rank	2021	rank	2020	rank
United States	11.5%	—	13%	—	35%	—
Alabama	12.8	37	16	38	39	39
Alaska	10.4	19	4	3	38	38
Arizona	13.5	41	12	26	39	40
Arkansas	15.4	48	18	45	43	51
California	11.6	30	8	15	35	32
Colorado	10.8	23	11	20	33	24
Connecticut	10.3	16	10	18	27	3
Delaware	12.3	34	16	37	36	33
District of Columbia	7.1	1	6	11	32	19
Florida	14.5	44	14	29	39	40
Georgia	13.8	42	17	43	40	43
Hawaii	8.9	7	5	7	25	1
Idaho	11.9	32	11	23	33	22
Illinois	9.5	11	14	28	32	14
Indiana	11.6	30	16	34	37	37
Iowa	10.1	14	9	16	32	16
Kansas	9.6	12	17	40	33	23
Kentucky	12.4	35	17	42	43	50
Louisiana	15.0	47	18	46	41	46
Maine	12.8	37	16	32	34	25
Maryland	8.6	5	10	19	34	28
Massachusetts	8.6	5	4	4	27	4
Michigan	8.3	3	13	27	31	11
Minnesota	8.9	7	2	1	31	8
Mississippi	16.8	51	16	34	42	47
Missouri	12.4	35	16	38	37	36
Montana	10.3	16	11	20	36	34
Nebraska	11.2	27	6	11	32	16
Nevada	13.2	40	16	33	39	42
New Hampshire	8.5	4	6	13	31	8
New Jersey	7.7	2	11	20	32	18
New Mexico	16.7	50	16	36	36	35
New York	10.6	22	6	10	34	25
North Carolina	14.6	45	20	48	35	29
North Dakota	10.5	21	7	14	34	27
Ohio	12.2	33	15	31	35	31
Oklahoma	15.9	49	22	49	40	44
Oregon	9.3	10	5	6	32	20
Pennsylvania	10.8	23	9	17	32	15
Rhode Island	10.3	16	5	9	26	2
South Carolina	11.2	27	22	50	32	20
South Dakota	11.2	27	3	2	31	10
Tennessee	14.0	43	18	44	40	45
Texas	13.1	39	19	47	43	49
Utah	10.1	14	12	25	27	4
Vermont	10.4	19	5	5	32	13
Virginia	11.1	26	14	29	30	7
Washington	8.9	7	5	7	31	11
West Virginia	14.7	46	24	51	42	47
Wisconsin	10.9	25	11	24	28	6
Wyoming	9.8	13	17	40	35	29

Note: (—) Data not available.

APPENDIX C2. Access & Affordability: Key Indicator Trends

	Adults ages 19–64 uninsured					Adults age 18 and older who went without care because of cost in past year					Individuals under age 65 with high out-of-pocket medical costs relative to their annual household income				
	Average annual change					Average annual change					Average annual change				
	2017	2019	2021	2017–2019	2019–2021	2017	2019	2021	2017–2019	2019–2021	2016-17	2018-19	2020-21	2017–2019	2019–2021
	2017	2019	2021	2017–2019	2019–2021	2017	2019	2021	2017–2019	2019–2021	2016-17	2018-19	2020-21	2017–2019	2019–2021
United States	12.2%	12.9%	12.1%	2.8%	-3.2%	14%	14%	10%	0.0%	-13.9%	8.7%	10.2%	7.3%	8.3%	-15.4%
Alabama	15	15	15	1.0	0.7	17	18	11	4.7	-21.6	11.2	13.9	8.8	11.4	-20.4
Alaska	18	15	14	-8.3	-3.3	12	14	11	5.2	-10.1	7.3	9.9	6.0	16.5	-22.2
Arizona	14	15	15	6.0	-2.6	14	14	11	-0.7	-13.1	11.2	9.6	8.0	-7.4	-8.7
Arkansas	12	13	13	6.3	0.4	16	16	12	-1.8	-13.9	11.4	9.8	10.7	-7.3	4.5
California	10	11	10	3.8	-5.1	12	12	9	0.0	-11.7	7.4	9.4	6.1	12.7	-19.4
Colorado	10	10	11	1.0	2.4	13	12	10	-3.2	-10.9	9.3	10.7	8.8	7.3	-9.3
Connecticut	8	8	7	1.9	-5.6	11	10	8	-2.4	-13.4	8.4	7.2	7.2	-7.4	0.0
Delaware	8	10	9	10.9	-5.9	13	11	7	-9.4	-16.4	8.5	10.2	7.8	9.5	-12.6
District of Columbia	5	4	4	-3.2	-1.1	11	10	7	-1.4	-20.3	4.5	7.7	5.5	30.8	-15.5
Florida	19	19	18	1.0	-3.9	16	16	—	-0.3	—	8.8	11.3	8.4	13.3	-13.8
Georgia	19	19	18	0.5	-1.9	17	18	16	2.3	-6.3	11.0	11.9	8.4	4.0	-16.0
Hawaii	5	6	5	6.5	-6.1	8	8	5	0.6	-19.6	7.0	10.2	6.2	20.7	-22.0
Idaho	16	16	12	-1.2	-13.9	14	15	9	3.2	-20.6	12.9	12.5	9.3	-1.6	-13.7
Illinois	10	10	10	3.0	-1.5	12	13	10	5.7	-14.0	8.3	8.6	6.6	1.8	-12.4
Indiana	11	12	10	1.8	-7.2	13	13	9	0.8	-18.0	9.9	9.6	6.3	-1.5	-19.0
Iowa	6	7	7	6.4	0.0	8	9	6	4.4	-15.3	7.8	8.2	6.5	2.5	-11.0
Kansas	12	13	14	4.9	1.1	12	13	10	4.0	-13.0	8.9	10.3	7.0	7.6	-17.6
Kentucky	7	9	8	10.3	-6.9	12	12	9	-0.8	-14.6	9.8	12.3	8.1	12.0	-18.8
Louisiana	13	13	11	2.0	-8.0	17	15	12	-7.5	-11.1	10.4	12.2	7.5	8.3	-21.6
Maine	12	11	8	-0.9	-16.2	12	12	8	2.5	-20.9	7.5	9.0	6.7	9.5	-13.7
Maryland	8	8	8	0.6	-0.6	11	11	9	1.4	-9.7	6.0	7.8	6.0	14.0	-12.3
Massachusetts	4	4	3	6.4	-11.1	9	9	7	-3.3	-8.4	7.0	6.4	6.2	-4.4	-1.6
Michigan	7	8	7	6.6	-6.2	11	12	8	1.3	-17.3	8.3	8.8	7.2	3.0	-9.5
Minnesota	6	7	6	4.9	-6.3	10	10	7	1.5	-19.2	6.0	7.4	5.6	11.1	-13.0
Mississippi	18	20	18	3.2	-4.7	18	17	13	-3.1	-12.7	11.1	13.7	8.4	11.1	-21.7
Missouri	13	14	13	4.9	-3.2	14	14	11	2.2	-12.6	10.9	10.7	6.6	-0.9	-21.5
Montana	13	12	11	-3.6	-4.8	12	10	8	-5.4	-13.5	10.7	11.0	8.3	1.4	-13.1
Nebraska	12	11	10	-2.1	-8.3	12	13	9	2.9	-14.7	10.3	11.6	8.4	6.1	-14.9
Nevada	15	16	15	2.0	-1.3	17	15	13	-4.9	-8.2	8.7	10.0	6.7	7.2	-18.1
New Hampshire	8	9	7	4.8	-13.9	10	11	7	9.5	-21.6	8.1	9.0	4.9	5.4	-26.2
New Jersey	11	11	10	1.8	-4.6	14	—	9	—	—	7.5	8.5	6.2	6.5	-14.6
New Mexico	13	15	14	4.0	-1.0	14	14	8	0.7	-22.3	8.9	12.5	7.1	18.5	-24.6
New York	8	8	7	-3.8	-0.7	12	12	8	0.0	-16.4	5.8	8.6	6.6	21.8	-12.4
North Carolina	16	17	15	2.5	-4.7	16	16	11	0.3	-18.1	11.6	13.2	8.7	6.7	-18.8
North Dakota	9	9	10	-4.3	6.2	8	9	7	7.9	-14.7	9.5	10.5	7.8	5.1	-13.8
Ohio	8	9	9	7.9	-2.2	11	12	8	3.9	-17.5	7.9	10.0	7.3	12.5	-14.6
Oklahoma	20	22	20	3.2	-3.1	17	16	14	-0.9	-6.0	8.6	12.9	8.1	22.5	-20.8
Oregon	10	10	9	1.5	-6.7	13	14	8	2.7	-21.1	9.1	9.6	7.3	2.7	-12.8
Pennsylvania	7	8	7	3.4	-2.6	10	10	7	-2.4	-17.1	8.0	8.3	5.8	1.9	-16.4
Rhode Island	6	6	6	-3.2	0.8	12	9	7	-14.9	-10.9	5.6	6.0	4.5	3.5	-13.4
South Carolina	17	16	15	-1.8	-3.2	15	15	12	-0.7	-10.9	9.9	13.3	9.8	15.9	-14.2
South Dakota	13	14	13	2.7	-3.0	10	10	8	-1.0	-10.2	9.1	14.1	6.2	24.5	-33.7
Tennessee	14	15	15	3.9	0.0	15	15	12	0.0	-12.1	11.8	11.5	8.2	-1.3	-15.6
Texas	24	25	24	1.9	-0.4	20	19	16	-2.1	-7.7	9.6	11.9	8.7	11.3	-14.5
Utah	12	12	11	1.3	-3.4	14	14	11	3.3	-14.6	12.7	13.4	9.6	2.7	-15.4
Vermont	6	7	5	4.0	-13.6	9	9	6	3.4	-18.8	8.3	10.4	7.5	11.9	-15.1
Virginia	12	11	9	-5.0	-8.0	14	12	8	-5.7	-19.2	7.6	9.6	6.7	12.4	-16.5
Washington	9	9	9	3.9	-1.1	11	11	8	0.9	-14.7	7.1	9.8	6.0	17.5	-21.8
West Virginia	9	10	9	6.7	-3.6	15	14	10	-4.8	-13.1	10.0	11.1	8.4	5.4	-13.0
Wisconsin	7	8	7	8.3	-5.7	11	11	7	-0.9	-18.7	7.1	10.9	8.0	23.9	-14.3
Wyoming	16	17	16	1.2	-3.9	15	13	11	-5.2	-11.5	14.6	13.1	13.8	-5.3	2.6

Note: (—) Data not available.

APPENDIX D1. Prevention & Treatment: Dimension Ranking and Indicator Rates

	Prevention and Treatment Dimension Summary	Adults with all recommended cancer screenings		Adults with age-appropriate vaccines		Adults vaccinated against COVID-19 with a booster		Diabetic adults without an annual hemoglobin A1c test		Children without all recommended vaccines		Children with a medical home	
		2023	2020	rank	2021	rank	2022	rank	2021	rank	2021	rank	2020–21
United States	—	69%	—	42%	—	42%	—	10%	—	28%	—	46%	—
Alabama	43	71	14	38	40	26	50	11	34	30	34	48	30
Alaska	50	63	50	39	38	39	29	8	12	39	50	47	36
Arizona	49	65	41	37	43	39	28	12	38	38	48	40	48
Arkansas	40	65	45	40	36	31	45	11	36	32	40	46	40
California	45	65	43	40	35	52	9	16	48	31	37	41	46
Colorado	5	68	30	47	13	50	11	6	3	29	32	52	12
Connecticut	7	75	4	48	9	54	7	10	28	16	3	50	19
Delaware	14	71	16	46	19	44	23	11	35	24	14	46	39
District of Columbia	5	76	1	50	4	47	18	—	—	28	26	44	45
Florida	40	70	18	—	—	36	33	13	42	27	23	40	47
Georgia	44	69	29	35	47	31	46	9	22	37	47	49	27
Hawaii	26	73	9	42	28	57	4	10	27	28	26	48	32
Idaho	35	63	48	38	41	34	38	8	10	24	14	49	26
Illinois	25	63	47	47	12	48	16	10	23	27	23	48	28
Indiana	31	66	38	41	34	36	34	8	12	29	32	45	41
Iowa	7	69	27	48	8	45	21	6	4	12	1	54	4
Kansas	27	66	39	44	21	39	29	8	15	33	44	52	9
Kentucky	33	70	18	37	43	35	36	7	6	25	17	50	17
Louisiana	42	71	15	36	45	30	48	10	23	38	48	45	43
Maine	9	73	6	46	16	58	3	12	39	21	8	54	2
Maryland	10	73	7	47	14	53	8	10	28	19	5	46	37
Massachusetts	1	75	3	54	1	54	6	4	1	15	2	51	14
Michigan	20	72	12	45	20	44	24	14	44	28	26	49	24
Minnesota	12	71	17	47	15	54	5	9	17	32	40	53	6
Mississippi	47	70	22	34	50	28	49	8	9	32	40	44	44
Missouri	36	68	30	43	26	34	40	13	43	30	34	49	23
Montana	19	65	44	40	36	37	32	7	5	31	37	52	11
Nebraska	11	68	30	48	7	45	22	7	7	21	8	52	10
Nevada	51	67	35	35	48	34	39	15	47	26	21	34	51
New Hampshire	1	72	12	50	5	45	20	8	11	21	8	55	1
New Jersey	18	70	25	42	28	49	14	5	2	34	46	45	42
New Mexico	37	65	46	41	30	49	14	9	19	28	26	38	50
New York	28	74	5	43	27	47	19	10	28	31	37	46	38
North Carolina	28	72	10	43	25	26	51	11	36	21	8	48	29
North Dakota	30	68	33	44	21	35	37	14	45	19	5	52	12
Ohio	23	70	26	41	30	41	26	10	26	28	26	50	21
Oklahoma	37	63	49	39	39	31	44	7	8	28	26	48	32
Oregon	20	70	24	44	24	49	13	8	15	25	17	51	15
Pennsylvania	13	73	7	46	17	41	27	9	21	24	14	47	35
Rhode Island	3	76	2	52	2	59	2	10	32	20	7	52	8
South Carolina	34	70	20	38	42	33	42	—	—	32	40	50	21
South Dakota	24	70	22	48	6	38	31	10	28	33	44	51	16
Tennessee	31	70	21	41	33	33	41	12	40	30	34	50	17
Texas	48	65	40	36	46	32	43	14	46	27	23	40	49
Utah	16	67	37	44	21	43	25	10	23	21	8	54	5
Vermont	4	69	28	50	3	63	1	23	49	18	4	54	2
Virginia	17	72	11	47	11	48	17	11	33	21	8	50	20
Washington	20	67	35	46	18	52	10	13	41	25	17	49	24
West Virginia	39	68	34	41	32	36	35	9	18	43	51	48	32
Wisconsin	14	65	41	47	10	49	12	8	14	26	21	53	7
Wyoming	46	59	51	35	49	31	46	9	20	25	17	48	31

Note: (—) Data not available.

APPENDIX D1. Prevention & Treatment: Dimension Ranking and Indicator Rates (continued)

	Children without a medical and dental preventive care visit		Children who did not receive needed mental health care		Adults with any mental illness who did not receive treatment		Youth with depression who did not receive mental health services		Hospitals with better-than-average patient experience ratings	
	2020–21	rank	2020–21	rank	2019–20	rank	2019–20	rank	2021	rank
United States	38%	—	20%	—	55%	—	60%	—	45%	—
Alabama	40	44	22	41	62	47	54	20	50	20
Alaska	40	41	27	49	55	35	56	26	50	20
Arizona	39	35	22	41	64	50	56	26	18	49
Arkansas	44	48	16	12	46	5	55	23	21	46
California	46	50	21	38	63	49	70	46	41	34
Colorado	29	6	21	31	56	37	34	2	77	3
Connecticut	29	5	15	10	56	37	43	7	29	40
Delaware	36	22	21	37	48	12	48	11	33	38
District of Columbia	27	2	25	46	56	37	33	1	25	43
Florida	39	32	29	50	58	43	62	37	28	42
Georgia	39	31	18	19	58	43	67	44	29	40
Hawaii	32	11	25	47	69	51	75	48	55	13
Idaho	36	24	20	28	52	26	48	11	55	13
Illinois	39	33	21	34	51	21	40	6	46	27
Indiana	40	40	22	41	51	21	56	26	69	7
Iowa	31	7	17	16	47	9	57	29	60	11
Kansas	35	18	21	31	52	26	57	29	50	20
Kentucky	36	21	14	6	52	26	75	48	42	32
Louisiana	41	45	19	27	53	30	53	17	50	20
Maine	32	9	14	7	54	31	50	13	60	11
Maryland	31	8	17	18	55	35	59	34	—	—
Massachusetts	27	4	21	34	43	3	64	40	34	37
Michigan	35	19	16	15	49	14	60	35	49	24
Minnesota	39	35	14	5	50	16	57	29	68	8
Mississippi	44	49	21	34	56	37	55	23	53	17
Missouri	40	42	21	31	50	16	65	43	39	35
Montana	37	29	16	14	41	1	37	4	70	6
Nebraska	37	26	13	2	42	2	64	40	65	9
Nevada	48	51	33	51	61	46	51	15	9	50
New Hampshire	26	1	18	21	49	14	36	3	54	15
New Jersey	32	10	17	17	56	37	54	20	25	43
New Mexico	40	42	19	26	46	5	38	5	44	28
New York	37	25	21	30	58	43	53	17	23	45
North Carolina	34	16	22	40	51	21	62	37	47	25
North Dakota	43	47	22	39	48	12	45	10	20	48
Ohio	39	35	16	11	56	37	54	20	52	18
Oklahoma	42	46	16	13	54	31	57	29	42	32
Oregon	37	28	19	25	54	31	64	40	83	1
Pennsylvania	33	12	15	8	52	26	55	23	52	18
Rhode Island	33	13	19	22	50	16	62	37	44	28
South Carolina	35	17	13	3	51	21	77	51	30	39
South Dakota	39	34	19	23	46	5	43	7	73	4
Tennessee	37	27	19	24	46	5	71	47	44	28
Texas	39	35	23	44	62	47	75	48	54	15
Utah	36	22	26	48	50	16	44	9	61	10
Vermont	27	3	15	9	43	3	51	15	83	1
Virginia	39	39	24	45	47	9	60	35	47	25
Washington	33	13	13	4	50	16	58	33	36	36
West Virginia	33	15	18	20	51	21	69	45	21	46
Wisconsin	38	30	20	29	47	9	53	17	71	5
Wyoming	35	20	11	1	54	31	50	13	43	31

Note: (—) Data not available.

APPENDIX D1. Prevention & Treatment: Dimension Ranking and Indicator Rates (continued)

	Risk-adjusted 30-day mortality among Medicare beneficiaries hospitalized for heart attack, heart failure, pneumonia, or stroke		Central line-associated bloodstream infection (CLABSI)		Nursing home residents with an antipsychotic medication		Home health patients with improved mobility	
	07/2018–06/2021	rank	2021	rank	2020	rank	2019	rank
United States	12.3%	—	0.92	—	14.4%	—	80%	—
Alabama	13.1	44	1.04	43	19.6	49	87	1
Alaska	13.2	49	0.87	23	15.8	31	60	51
Arizona	12.4	23	0.99	37	11.1	5	78	36
Arkansas	13.1	44	1.14	46	11.9	9	84	6
California	11.9	5	0.91	29	10.0	3	73	43
Colorado	12.0	9	0.83	18	16.4	35	81	21
Connecticut	12.2	14	0.88	26	16.3	34	77	39
Delaware	11.9	5	0.66	5	11.7	7	82	17
District of Columbia	11.3	1	0.81	15	9.5	2	77	39
Florida	12.2	14	0.88	25	11.8	8	82	17
Georgia	12.4	23	0.99	36	18.1	42	83	10
Hawaii	12.4	23	0.57	2	8.8	1	73	43
Idaho	13.6	51	0.86	21	18.2	44	81	21
Illinois	12.0	9	0.78	9	18.7	45	76	41
Indiana	12.7	33	0.79	12	13.6	15	79	30
Iowa	13.0	41	1.02	39	16.2	33	79	30
Kansas	12.4	23	0.82	17	16.4	35	81	21
Kentucky	12.7	33	1.03	41	16.5	37	83	10
Louisiana	12.7	33	1.24	49	15.7	29	84	6
Maine	12.9	40	0.78	10	20.5	51	83	10
Maryland	12.2	14	1.02	40	13.2	13	85	4
Massachusetts	11.5	2	0.74	7	18.7	45	82	17
Michigan	12.2	14	1.00	38	13.0	12	81	21
Minnesota	11.6	3	0.86	22	15.6	28	72	45
Mississippi	13.1	44	1.20	47	19.7	50	86	2
Missouri	12.3	20	0.92	31	19.4	48	83	10
Montana	12.8	38	0.84	20	15.4	26	72	45
Nebraska	12.7	33	0.84	19	17.2	40	79	30
Nevada	12.3	20	0.95	33	13.7	17	70	48
New Hampshire	12.2	14	0.64	4	16.6	38	85	4
New Jersey	12.2	14	0.87	24	10.7	4	82	17
New Mexico	13.0	41	1.26	50	15.7	29	72	45
New York	12.1	12	0.97	35	11.6	6	79	30
North Carolina	12.6	31	1.04	42	12.0	10	83	10
North Dakota	12.3	20	0.57	1	19.3	47	79	30
Ohio	11.9	5	0.90	28	13.4	14	80	29
Oklahoma	12.5	29	1.29	51	14.2	20	81	21
Oregon	13.1	44	0.59	3	15.3	25	70	48
Pennsylvania	11.9	5	0.93	32	15.4	26	81	21
Rhode Island	11.7	4	0.69	6	16.9	39	81	21
South Carolina	12.8	38	0.91	30	14.6	22	84	6
South Dakota	12.4	23	1.14	45	18.0	41	78	36
Tennessee	12.7	33	0.82	16	15.0	23	84	6
Texas	12.1	12	0.96	34	12.0	10	74	42
Utah	12.0	9	0.89	27	13.9	19	83	10
Vermont	13.1	44	0.79	11	15.0	23	83	10
Virginia	12.4	23	0.80	13	13.7	17	81	21
Washington	13.0	41	0.75	8	14.3	21	78	36
West Virginia	12.6	31	1.20	48	15.9	32	86	2
Wisconsin	12.5	29	0.80	13	13.6	15	79	30
Wyoming	13.3	50	1.13	44	18.1	42	67	50

Note: (—) Data not available.

APPENDIX D2. Prevention & Treatment: Key Indicator Trends

	Adults with all age- and gender-appropriate cancer screenings			Adult diabetic patients ages 18–64 with employer-sponsored insurance without a hemoglobin A1c test during the year			Children ages 19–35 months who did not receive all recommended vaccines		
	2018	2020		2019	2021		2019	2021	
United States	68%	69%	No Change	8%	10%	Worsened	27%	28%	No Change
Alabama	69	71	Improved	12	11	No Change	30	30	No Change
Alaska	61	63	No Change	13	8	Improved	38	39	No Change
Arizona	66	65	No Change	11	12	No Change	27	38	Worsened
Arkansas	64	65	No Change	13	11	Improved	26	32	Worsened
California	71	65	Worsened	16	16	No Change	33	31	No Change
Colorado	66	68	No Change	14	6	Improved	25	29	Worsened
Connecticut	75	75	No Change	11	10	No Change	17	16	No Change
Delaware	72	71	No Change	14	11	Improved	19	24	Worsened
District of Columbia	74	76	Improved	—	—	—	28	28	No Change
Florida	69	70	No Change	11	13	Worsened	25	27	No Change
Georgia	69	69	No Change	11	9	No Change	28	37	Worsened
Hawaii	75	73	Worsened	11	10	No Change	27	28	No Change
Idaho	61	63	No Change	14	8	Improved	34	24	Improved
Illinois	66	63	Worsened	12	10	Improved	23	27	Worsened
Indiana	67	66	No Change	12	8	Improved	28	29	No Change
Iowa	70	69	No Change	9	6	Improved	21	12	Improved
Kansas	65	66	No Change	11	8	Improved	26	33	Worsened
Kentucky	66	70	Improved	11	7	Improved	30	25	Improved
Louisiana	71	71	No Change	13	10	Improved	28	38	Worsened
Maine	72	73	No Change	11	12	No Change	21	21	No Change
Maryland	72	73	No Change	13	10	Improved	24	19	Improved
Massachusetts	76	75	No Change	10	4	Improved	20	15	Improved
Michigan	72	72	No Change	11	14	Worsened	21	28	Worsened
Minnesota	72	71	No Change	8	9	No Change	16	32	Worsened
Mississippi	65	70	Improved	11	8	Improved	27	32	Worsened
Missouri	67	68	No Change	13	13	No Change	30	30	No Change
Montana	63	65	Improved	11	7	Improved	31	31	No Change
Nebraska	68	68	No Change	12	7	Improved	18	21	Worsened
Nevada	64	67	Improved	16	15	Improved	30	26	Improved
New Hampshire	72	72	No Change	12	8	Improved	22	21	No Change
New Jersey	70	70	No Change	13	5	Improved	30	34	Worsened
New Mexico	64	65	No Change	13	9	Improved	33	28	Improved
New York	71	74	Improved	—	10	—	30	31	No Change
North Carolina	70	72	Improved	9	11	Worsened	20	21	No Change
North Dakota	65	68	Improved	12	14	Worsened	27	19	Improved
Ohio	67	70	Improved	11	10	Improved	32	28	Improved
Oklahoma	62	63	No Change	11	7	Improved	27	28	No Change
Oregon	69	70	No Change	10	8	Improved	38	25	Improved
Pennsylvania	68	73	Improved	14	9	Improved	21	24	Worsened
Rhode Island	73	76	Improved	11	10	No Change	22	20	No Change
South Carolina	68	70	Improved	—	—	—	27	32	Worsened
South Dakota	65	70	Improved	9	10	No Change	24	33	Worsened
Tennessee	67	70	Improved	11	12	Worsened	34	30	Improved
Texas	63	65	Improved	11	14	Worsened	31	27	Improved
Utah	66	67	No Change	13	10	Improved	21	21	No Change
Vermont	68	69	No Change	12	23	Worsened	21	18	Improved
Virginia	71	72	No Change	10	11	No Change	22	21	No Change
Washington	68	67	No Change	10	13	Worsened	24	25	No Change
West Virginia	66	68	Improved	16	9	Improved	26	43	Worsened
Wisconsin	72	65	Worsened	9	8	No Change	27	26	No Change
Wyoming	59	59	No Change	19	9	Improved	28	25	Improved

Note: (—) Data not available.

APPENDIX E1. Avoidable Hospital Use & Cost: Dimension Ranking and Indicator Rates

	Avoidable Use and Cost Dimension Summary	Potentially avoidable emergency department visits ages 18–64		Potentially avoidable emergency department visits age 65 and older		Preventable hospitalizations ages 18–64		Preventable hospitalizations age 65 and older		Hospital 30-day readmission rate ages 18–64		Hospital 30-day readmission rate age 65 and older	
	2023	2021	rank	2021	rank	2021	rank	2021	rank	2021	rank	2021	rank
United States	—	133.9	—	141.3	—	4.4	—	28.6	—	2.9	—	33.1	—
Alabama	31	135.3	30	141.8	28	3.9	6	34.4	43	3.0	35	35.1	34
Alaska	13	137.7	40	129.1	12	3.9	6	21.2	10	2.8	7	19.9	5
Arizona	7	128.1	9	124.6	5	4.1	14	19.8	6	2.9	23	25.4	15
Arkansas	17	127.5	7	142.5	29	4.3	21	31.7	36	2.8	7	33.1	30
California	16	130.9	17	125.8	6	4.7	34	22.4	11	3.0	35	30.2	24
Colorado	9	133.8	24	135.3	19	4.0	10	17.3	4	3.0	35	20.7	7
Connecticut	40	125.4	4	169.7	50	4.0	10	30.4	33	2.8	7	39.5	45
Delaware	25	126.3	5	138.0	24	3.9	6	29.3	29	2.9	23	29.9	23
District of Columbia	43	—	—	153.5	41	—	—	27.4	26	—	—	38.5	43
Florida	34	128.1	9	145.5	32	4.2	17	29.4	30	2.8	7	39.9	46
Georgia	42	136.9	36	131.3	14	4.4	26	31.2	35	3.0	35	32.6	28
Hawaii	2	135.7	33	114.5	1	4.5	29	15.8	1	3.0	35	16.1	1
Idaho	5	128.4	11	125.9	6	4.2	17	15.8	1	3.0	35	16.6	2
Illinois	46	141.9	44	149.4	36	4.8	38	34.5	44	3.0	35	40.7	48
Indiana	47	136.6	34	155.7	44	4.0	10	33.3	41	2.9	23	35.3	37
Iowa	12	128.5	12	146.8	34	4.0	10	24.2	15	2.8	7	24.0	12
Kansas	32	137.2	37	140.0	27	4.2	17	27.2	25	2.9	23	30.2	24
Kentucky	38	122.5	2	161.5	46	3.9	6	37.9	49	3.0	35	37.6	41
Louisiana	51	152.6	49	167.7	49	5.3	48	36.6	48	3.2	44	35.1	34
Maine	33	129.3	13	160.2	45	4.1	14	23.6	13	2.9	23	22.8	11
Maryland	18	129.3	13	136.4	22	4.3	21	26.2	21	2.9	23	35.1	34
Massachusetts	44	126.9	6	151.2	37	4.9	43	36.2	47	2.8	7	41.9	50
Michigan	38	133.1	22	153.6	42	4.7	34	34.9	46	2.8	7	40.7	48
Minnesota	30	148.9	48	152.2	39	4.8	38	22.6	12	2.9	23	29.4	21
Mississippi	37	136.8	35	155.4	43	5.0	46	34.8	45	2.9	23	34.9	33
Missouri	35	131.1	18	146.0	33	3.8	5	31.9	38	2.6	2	36.4	39
Montana	8	137.9	41	133.4	17	4.5	29	20.8	9	2.7	4	20.0	6
Nebraska	10	135.6	31	128.2	11	4.3	21	23.9	14	2.7	4	25.6	16
Nevada	20	135.1	29	130.8	13	4.6	33	26.9	23	2.8	7	34.1	32
New Hampshire	20	139.7	43	144.4	30	5.5	49	28.8	27	2.1	1	28.3	20
New Jersey	41	129.6	15	126.6	8	4.8	38	32.2	39	2.9	23	40.4	47
New Mexico	10	139.6	42	133.6	18	4.9	43	19.9	8	2.8	7	21.6	10
New York	44	134.0	25	136.6	23	4.9	43	29.4	30	—	—	39.3	44
North Carolina	15	137.5	39	139.3	26	4.8	38	29.2	28	2.8	7	29.6	22
North Dakota	19	135.6	31	132.2	16	4.5	29	26.4	22	3.2	44	26.2	17
Ohio	49	143.2	45	153.1	40	5.0	46	33.3	41	3.3	47	38.1	42
Oklahoma	48	147.2	47	163.1	47	4.7	34	31.7	36	3.2	44	33.6	31
Oregon	4	137.4	38	136.1	20	4.4	26	19.1	5	2.9	23	19.5	4
Pennsylvania	23	124.4	3	131.3	14	3.5	1	32.8	40	2.8	7	37.3	40
Rhode Island	24	133.2	23	124.0	3	4.4	26	—	—	2.9	23	35.9	38
South Carolina	5	—	—	128.0	10	—	—	25.5	19	—	—	28.1	19
South Dakota	14	134.1	26	124.0	3	4.2	17	24.5	16	2.8	7	25.0	13
Tennessee	29	143.6	46	127.4	9	4.7	34	30.6	34	3.3	47	31.4	27
Texas	36	131.2	19	147.0	35	4.3	21	30.0	32	2.8	7	32.9	29
Utah	1	122.1	1	118.4	2	4.1	14	16.3	3	2.8	7	19.1	3
Vermont	22	127.5	7	151.7	38	4.8	38	25.6	20	3.0	35	25.2	14
Virginia	25	134.4	27	144.3	30	4.3	21	27.1	24	2.8	7	30.4	26
Washington	3	134.4	27	138.1	25	3.6	3	19.8	6	2.6	2	20.9	8
West Virginia	50	132.9	21	176.4	51	4.5	29	40.2	50	2.9	23	42.7	51
Wisconsin	25	130.4	16	165.9	48	3.5	1	25.0	18	2.8	7	27.5	18
Wyoming	25	131.8	20	136.3	21	3.7	4	24.8	17	2.7	4	20.9	8

Note: (—) Data not available.

APPENDIX E1. Avoidable Hospital Use & Cost: Dimension Ranking and Indicator Rates (continued)

	Skilled nursing patients with a successful discharge		Home health patients with a hospital admission		Adults with inappropriate lower back imaging		Employer-sponsored insurance spending per enrollee		Medicare spending per beneficiary		Primary care spending as share of total health care spending among adults ages 18–64 with employer-sponsored insurance		Primary care spending as share of total, age 65 and older	
	2020	rank	2019	rank	2021	rank	2021	rank	2021	rank	2021	rank	2020	rank
United States	57%	—	15%	—	69%	—	\$6,060	—	\$10,478	—	6.9%	—	5.5%	—
Alabama	55	37	16	21	67	16	4,884	5	11,448	46	8.1	14	5.9	13
Alaska	65	5	16	21	73	42	8,959	49	7,751	2	10.0	1	4.9	40
Arizona	60	13	15	13	70	29	5,543	14	9,830	20	7.3	21	7.0	3
Arkansas	51	48	16	21	68	20	4,255	1	10,696	38	8.1	14	6.0	8
California	58	24	12	2	66	7	6,163	29	10,339	29	6.3	35	4.8	43
Colorado	65	5	14	6	72	39	6,112	28	9,214	12	7.0	27	6.3	7
Connecticut	60	13	17	37	69	24	7,504	46	11,420	44	7.6	17	4.9	40
Delaware	57	27	16	21	69	21	6,163	29	10,411	32	5.5	44	5.3	24
District of Columbia	55	37	15	13	—	—	—	—	10,262	26	—	—	4.8	43
Florida	55	37	14	6	70	30	5,953	24	11,986	50	5.9	40	6.0	8
Georgia	52	45	17	37	69	26	6,450	35	10,528	35	4.1	49	5.8	14
Hawaii	67	2	13	4	66	13	4,566	3	6,915	1	5.6	43	5.4	22
Idaho	67	2	12	2	71	33	6,037	27	8,738	8	6.3	35	4.8	43
Illinois	56	34	16	21	67	17	6,235	32	10,839	41	7.2	25	5.4	22
Indiana	57	27	17	37	73	40	7,142	44	10,748	39	4.9	48	5.1	31
Iowa	59	17	17	37	75	47	5,135	8	9,659	17	9.7	4	5.8	14
Kansas	58	24	17	37	72	37	5,696	18	10,844	41	6.0	39	6.5	6
Kentucky	55	37	17	37	70	31	5,408	10	10,744	39	6.7	31	5.8	14
Louisiana	44	51	15	13	66	9	5,423	11	12,211	51	7.5	18	5.1	31
Maine	63	9	15	13	75	45	6,727	39	9,063	10	5.3	45	4.3	51
Maryland	59	17	16	21	71	33	4,417	2	10,301	27	7.7	16	5.1	31
Massachusetts	58	24	17	37	75	45	6,319	33	10,502	33	8.7	10	4.7	46
Michigan	57	27	16	21	71	32	5,066	6	10,518	34	8.4	13	5.1	31
Minnesota	63	9	16	21	67	14	6,332	34	9,906	21	10.0	1	5.2	28
Mississippi	50	50	15	13	65	5	4,714	4	11,773	48	8.7	10	6.0	8
Missouri	53	44	17	37	69	24	5,916	23	10,589	36	5.3	45	5.2	28
Montana	64	7	15	13	66	6	5,830	21	8,243	5	7.3	21	5.1	31
Nebraska	59	17	16	21	67	15	6,215	31	10,381	31	9.1	7	6.0	8
Nevada	54	43	14	6	68	18	5,386	9	10,197	24	6.4	33	5.7	17
New Hampshire	57	27	16	21	60	1	7,120	42	9,054	10	7.3	21	4.6	49
New Jersey	55	37	18	47	68	19	6,551	37	11,384	43	7.1	26	5.2	28
New Mexico	59	17	13	4	66	11	5,872	22	8,360	7	7.0	27	5.3	24
New York	55	37	18	47	64	3	7,129	43	11,433	45	7.4	20	4.9	40
North Carolina	59	17	16	21	66	10	5,972	25	9,741	18	9.0	8	6.7	5
North Dakota	56	34	18	47	64	2	6,733	39	9,504	15	10.0	1	6.0	8
Ohio	57	27	17	37	66	7	6,665	38	10,605	37	5.7	41	4.7	46
Oklahoma	52	45	14	6	66	11	5,721	20	11,848	49	6.4	33	5.0	38
Oregon	66	4	14	6	70	28	5,603	17	7,842	3	9.2	6	5.5	20
Pennsylvania	57	27	18	47	69	27	5,562	15	10,361	30	6.2	37	5.3	24
Rhode Island	60	13	16	21	69	21	5,476	12	10,059	22	6.6	32	5.0	38
South Carolina	57	27	15	13	—	—	—	—	10,077	23	—	—	7.6	1
South Dakota	60	13	16	21	73	41	5,595	16	9,491	14	8.9	9	4.6	49
Tennessee	56	34	17	37	64	4	5,086	7	10,330	28	8.5	12	7.0	3
Texas	52	45	14	6	72	37	6,475	36	11,694	47	7.3	21	5.5	20
Utah	69	1	11	1	71	36	5,708	19	9,820	19	6.2	37	7.1	2
Vermont	63	9	15	13	71	35	6,845	41	8,006	4	7.0	27	5.1	31
Virginia	59	17	16	21	74	44	5,522	13	9,530	16	6.9	30	5.7	17
Washington	64	7	14	6	73	43	6,014	26	8,278	6	7.5	18	5.7	17
West Virginia	51	48	19	51	69	21	7,545	47	10,253	25	5.7	41	5.3	24
Wisconsin	63	9	16	21	79	49	7,371	45	9,222	13	9.7	4	4.7	46
Wyoming	59	17	16	21	78	48	7,689	48	8,768	9	5.3	45	5.1	31

Note: (—) Data not available.

APPENDIX E2. Avoidable Hospital Use & Cost: Key Indicator Trends

	Potentially avoidable emergency department visits						Hospital admissions for ambulatory care-sensitive conditions					
	Ages 18–64			Age 65 and older			Ages 18–64			Age 65 and older		
	2019	2021		2019	2021		2019	2021		2019	2021	
United States	137.4	133.9	No Change	185.3	141.3	Improved	6.7	4.4	Improved	40.5	28.6	Improved
Alabama	154.8	135.3	Improved	202.0	141.8	Improved	7.9	3.9	Improved	47.2	34.4	Improved
Alaska	135.1	137.7	No Change	145.1	129.1	Improved	6.5	3.9	Improved	29.4	21.2	Improved
Arizona	135.6	128.1	No Change	169.2	124.6	Improved	6.5	4.1	Improved	26.9	19.8	Improved
Arkansas	140.8	127.5	Improved	191.4	142.5	Improved	7.2	4.3	Improved	44.4	31.7	Improved
California	124.3	130.9	No Change	172.7	125.8	Improved	5.8	4.7	Improved	33.2	22.4	Improved
Colorado	74.2	133.8	Worsened	159.2	135.3	Improved	5.8	4.0	Improved	25.2	17.3	Improved
Connecticut	130.6	125.4	No Change	206.0	169.7	Improved	6.5	4.0	Improved	39.3	30.4	Improved
Delaware	130.1	126.3	No Change	171.9	138.0	Improved	7.0	3.9	Improved	43.4	29.3	Improved
District of Columbia	—	—	—	209.4	153.5	Improved	—	—	—	35.0	27.4	Improved
Florida	206.3	128.1	Improved	186.0	145.5	Improved	7.2	4.2	Improved	40.8	29.4	Improved
Georgia	177.2	136.9	Improved	189.4	131.3	Improved	7.3	4.4	Improved	44.3	31.2	Improved
Hawaii	159.9	135.7	Improved	155.6	114.5	Improved	6.5	4.5	Improved	20.0	15.8	No Change
Idaho	114.0	128.4	Worsened	169.1	125.9	Improved	6.3	4.2	Improved	23.3	15.8	Improved
Illinois	156.1	141.9	Improved	194.1	149.4	Improved	6.7	4.8	Improved	47.3	34.5	Improved
Indiana	147.5	136.6	No Change	197.9	155.7	Improved	7.4	4.0	Improved	45.4	33.3	Improved
Iowa	131.5	128.5	No Change	175.9	146.8	Improved	6.6	4.0	Improved	32.5	24.2	Improved
Kansas	150.3	137.2	No Change	174.2	140.0	Improved	7.1	4.2	Improved	39.3	27.2	Improved
Kentucky	134.5	122.5	No Change	215.5	161.5	Improved	7.7	3.9	Improved	51.7	37.9	Improved
Louisiana	161.4	152.6	No Change	221.8	167.7	Improved	6.4	5.3	Improved	48.5	36.6	Improved
Maine	139.2	129.3	No Change	220.2	160.2	Improved	6.5	4.1	Improved	35.6	23.6	Improved
Maryland	128.0	129.3	No Change	183.6	136.4	Improved	6.4	4.3	Improved	37.2	26.2	Improved
Massachusetts	106.6	126.9	Worsened	198.1	151.2	Improved	6.4	4.9	Improved	48.1	36.2	Improved
Michigan	176.2	133.1	Improved	201.7	153.6	Improved	6.8	4.7	Improved	42.9	34.9	Improved
Minnesota	88.9	148.9	Worsened	177.0	152.2	Improved	6.1	4.8	Improved	31.6	22.6	Improved
Mississippi	197.0	136.8	Improved	225.7	155.4	Improved	7.0	5.0	Improved	47.6	34.8	Improved
Missouri	234.2	131.1	Improved	198.1	146.0	Improved	7.9	3.8	Improved	43.8	31.9	Improved
Montana	123.1	137.9	Worsened	163.0	133.4	Improved	6.5	4.5	Improved	29.9	20.8	Improved
Nebraska	104.9	135.6	Worsened	142.6	128.2	Improved	6.7	4.3	Improved	34.0	23.9	Improved
Nevada	196.4	135.1	Improved	179.7	130.8	Improved	7.2	4.6	Improved	38.2	26.9	Improved
New Hampshire	100.4	139.7	Worsened	187.0	144.4	Improved	6.2	5.5	Improved	40.1	28.8	Improved
New Jersey	104.8	129.6	Worsened	165.1	126.6	Improved	6.5	4.8	Improved	43.1	32.2	Improved
New Mexico	101.1	139.6	Worsened	182.9	133.6	Improved	6.2	4.9	Improved	30.1	19.9	Improved
New York	—	134.0	—	171.2	136.6	Improved	—	4.9	—	42.1	29.4	Improved
North Carolina	191.0	137.5	Improved	191.5	139.3	Improved	6.9	4.8	Improved	42.3	29.2	Improved
North Dakota	106.8	135.6	Worsened	161.3	132.2	Improved	7.0	4.5	Improved	33.2	26.4	Improved
Ohio	187.2	143.2	Improved	208.0	153.1	Improved	7.2	5.0	Improved	46.0	33.3	Improved
Oklahoma	189.7	147.2	Improved	213.0	163.1	Improved	7.3	4.7	Improved	45.2	31.7	Improved
Oregon	73.1	137.4	Worsened	166.2	136.1	Improved	5.7	4.4	Improved	26.1	19.1	Improved
Pennsylvania	102.5	124.4	Worsened	168.3	131.3	Improved	6.7	3.5	Improved	43.1	32.8	Improved
Rhode Island	141.3	133.2	No Change	171.1	124.0	Improved	6.7	4.4	Improved	42.8	—	—
South Carolina	—	—	—	180.9	128.0	Improved	—	—	—	38.2	25.5	Improved
South Dakota	108.8	134.1	Worsened	146.2	124.0	Improved	7.4	4.2	Improved	32.6	24.5	Improved
Tennessee	154.1	143.6	No Change	175.0	127.4	Improved	7.5	4.7	Improved	46.6	30.6	Improved
Texas	195.7	131.2	Improved	189.9	147.0	Improved	7.0	4.3	Improved	43.6	30.0	Improved
Utah	80.3	122.1	Worsened	144.5	118.4	Improved	6.4	4.1	Improved	22.5	16.3	Improved
Vermont	155.8	127.5	Improved	197.7	151.7	Improved	6.9	4.8	Improved	34.8	25.6	Improved
Virginia	167.2	134.4	Improved	193.3	144.3	Improved	6.7	4.3	Improved	40.5	27.1	Improved
Washington	108.4	134.4	Worsened	169.4	138.1	Improved	6.2	3.6	Improved	28.3	19.8	Improved
West Virginia	153.1	132.9	Improved	236.7	176.4	Improved	7.3	4.5	Improved	52.8	40.2	Improved
Wisconsin	148.0	130.4	Improved	193.1	165.9	Improved	6.0	3.5	Improved	33.7	25.0	Improved
Wyoming	124.5	131.8	No Change	170.2	136.3	Improved	7.3	3.7	Improved	35.2	24.8	Improved

Note: (—) Data not available.

APPENDIX E2. Avoidable Hospital Use & Cost: Key Indicator Trends (continued)

	Total employer-sponsored insurance reimbursements per enrollee, ages 18–64			Total Medicare (Parts A & B) reimbursements per enrollee		
	2019	2021		2019	2021	
United States	\$5,354	\$6,060	Worsened	\$10,180	\$10,478	No Change
Alabama	4,702	4,884	No Change	11,175	11,448	No Change
Alaska	8,196	8,959	Worsened	7,262	7,751	No Change
Arizona	5,137	5,543	No Change	9,334	9,830	No Change
Arkansas	4,082	4,255	No Change	10,541	10,696	No Change
California	5,627	6,163	Worsened	9,912	10,339	No Change
Colorado	5,689	6,112	No Change	8,806	9,214	No Change
Connecticut	5,852	7,504	Worsened	10,968	11,420	No Change
Delaware	5,771	6,163	No Change	9,872	10,411	No Change
District of Columbia	—	—	—	9,874	10,262	No Change
Florida	5,301	5,953	Worsened	11,688	11,986	No Change
Georgia	5,919	6,450	Worsened	10,292	10,528	No Change
Hawaii	4,381	4,566	No Change	6,637	6,915	No Change
Idaho	5,657	6,037	No Change	8,456	8,738	No Change
Illinois	5,638	6,235	Worsened	10,506	10,839	No Change
Indiana	6,562	7,142	Worsened	10,292	10,748	No Change
Iowa	4,654	5,135	Worsened	9,024	9,659	Worsened
Kansas	5,131	5,696	Worsened	10,329	10,844	No Change
Kentucky	5,028	5,408	No Change	10,569	10,744	No Change
Louisiana	4,898	5,423	Worsened	11,858	12,211	No Change
Maine	5,634	6,727	Worsened	9,054	9,063	No Change
Maryland	4,343	4,417	No Change	9,965	10,301	No Change
Massachusetts	5,485	6,319	Worsened	10,220	10,502	No Change
Michigan	4,506	5,066	Worsened	10,371	10,518	No Change
Minnesota	5,449	6,332	Worsened	9,417	9,906	No Change
Mississippi	4,516	4,714	No Change	11,667	11,773	No Change
Missouri	5,533	5,916	No Change	10,299	10,589	No Change
Montana	5,719	5,830	No Change	8,053	8,243	No Change
Nebraska	5,289	6,215	Worsened	9,836	10,381	No Change
Nevada	4,824	5,386	Worsened	9,846	10,197	No Change
New Hampshire	5,803	7,120	Worsened	8,931	9,054	No Change
New Jersey	5,774	6,551	Worsened	10,984	11,384	No Change
New Mexico	5,572	5,872	No Change	8,165	8,360	No Change
New York	—	7,129	—	10,858	11,433	No Change
North Carolina	5,291	5,972	Worsened	9,564	9,741	No Change
North Dakota	5,503	6,733	Worsened	8,766	9,504	Worsened
Ohio	5,827	6,665	Worsened	10,440	10,605	No Change
Oklahoma	5,077	5,721	Worsened	11,503	11,848	No Change
Oregon	5,481	5,603	No Change	7,799	7,842	No Change
Pennsylvania	5,174	5,562	No Change	10,148	10,361	No Change
Rhode Island	4,677	5,476	Worsened	9,657	10,059	No Change
South Carolina	—	—	—	9,690	10,077	No Change
South Dakota	4,803	5,595	Worsened	8,756	9,491	Worsened
Tennessee	4,655	5,086	No Change	10,286	10,330	No Change
Texas	5,802	6,475	Worsened	11,477	11,694	No Change
Utah	4,967	5,708	Worsened	9,345	9,820	No Change
Vermont	5,791	6,845	Worsened	7,760	8,006	No Change
Virginia	4,975	5,522	Worsened	9,360	9,530	No Change
Washington	5,567	6,014	Worsened	8,205	8,278	No Change
West Virginia	6,495	7,545	Worsened	10,324	10,253	No Change
Wisconsin	6,353	7,371	Worsened	8,763	9,222	No Change
Wyoming	7,120	7,689	Worsened	8,259	8,768	No Change

Note: (—) Data not available.

APPENDIX F1. Healthy Lives: Dimension Ranking and Indicator Rates

	Healthy Lives Dimension Summary	Premature deaths from treatable causes		Premature deaths from preventable causes		Drug overdose deaths		Suicide deaths		Alcohol deaths	
	2023	2020–21	rank	2020–21	rank	2021	rank	2021	rank	2021	rank
United States	—	88.8	—	231.9	—	32.4	—	14.1	—	14.4	—
Alabama	43	115.6	43	302.4	42	30.1	23	15.8	27	11.1	8
Alaska	41	80.1	21	262.2	34	35.6	30	30.8	49	41.0	49
Arizona	32	87.9	30	274.7	40	38.7	34	19.5	35	24.2	43
Arkansas	48	134.8	50	315.7	44	22.3	11	20.6	41	12.1	12
California	10	75.7	15	197.7	13	26.6	16	10.1	7	16.7	29
Colorado	11	66.5	7	204.1	19	31.4	25	22.8	46	26.5	46
Connecticut	7	65.5	5	181.9	6	42.3	37	10.0	6	12.6	14
Delaware	27	84.7	23	233.3	25	54.0	46	13.6	12	13.1	16
District of Columbia	20	121.2	46	310.9	43	63.6	50	6.2	1	14.8	23
Florida	25	86.3	28	240.9	27	37.5	33	14.0	16	13.1	16
Georgia	33	104.9	41	250.8	33	23.5	12	15.3	25	11.3	9
Hawaii	1	78.2	20	152.0	1	17.3	6	13.7	13	8.2	2
Idaho	15	69.1	10	199.1	14	19.0	8	20.5	40	19.8	40
Illinois	16	86.8	29	211.7	21	29.0	21	11.1	9	11.4	10
Indiana	38	99.6	38	267.0	37	43.0	41	16.4	29	14.8	23
Iowa	24	82.2	22	203.2	18	15.3	3	17.5	31	17.2	34
Kansas	26	92.1	32	235.4	26	24.3	13	19.4	34	17.0	33
Kentucky	49	119.3	45	324.8	46	55.6	47	17.9	32	13.2	18
Louisiana	46	125.2	47	323.4	45	55.9	48	14.8	20	9.8	6
Maine	30	69.5	11	212.3	22	47.1	43	19.5	35	18.8	38
Maryland	14	88.1	31	214.0	23	42.8	39	9.7	5	9.0	4
Massachusetts	1	59.2	1	162.9	2	36.8	32	8.0	4	12.5	13
Michigan	34	99.0	37	244.6	29	31.5	26	14.3	18	15.2	25
Minnesota	5	60.7	2	169.3	4	24.5	15	13.9	14	18.0	37
Mississippi	50	155.1	51	363.4	50	28.4	19	16.2	28	15.5	26
Missouri	40	102.6	40	269.1	38	36.5	31	18.7	33	13.2	18
Montana	28	77.8	18	245.5	31	19.5	9	32.0	50	30.6	47
Nebraska	12	76.7	16	189.0	10	11.4	1	15.0	21	17.5	36
Nevada	36	93.2	33	262.4	35	29.2	22	21.5	44	22.3	42
New Hampshire	9	64.6	4	172.5	5	32.3	28	15.1	22	15.7	27
New Jersey	4	75.3	14	182.3	7	32.4	29	7.1	2	7.8	1
New Mexico	47	95.2	34	335.1	49	51.6	45	25.0	48	50.0	51
New York	6	78.1	19	189.6	12	28.7	20	7.9	3	8.3	3
North Carolina	30	96.9	35	245.3	30	39.2	35	13.2	10	13.4	20
North Dakota	21	77.4	17	207.8	20	17.2	5	20.8	43	24.8	45
Ohio	39	100.0	39	265.8	36	48.1	44	14.6	19	12.9	15
Oklahoma	44	127.5	48	332.2	48	24.4	13	22.1	45	19.6	39
Oregon	22	68.0	8	199.4	14	26.8	17	19.5	35	24.4	44
Pennsylvania	23	85.5	27	221.2	24	43.2	42	13.9	14	9.4	5
Rhode Island	12	64.1	3	189.1	10	41.7	36	10.3	8	16.7	29
South Carolina	42	106.3	42	292.7	41	42.8	39	15.2	24	16.5	28
South Dakota	37	85.4	26	240.9	27	12.6	2	23.2	47	42.8	50
Tennessee	45	119.0	44	329.9	47	56.6	49	17.0	30	16.7	29
Texas	29	98.4	36	249.6	32	16.8	4	14.2	17	11.4	10
Utah	3	68.9	9	169.1	3	21.1	10	20.1	38	13.8	21
Vermont	17	65.3	5	183.2	8	42.3	37	20.3	39	17.4	35
Virginia	18	85.2	25	199.8	17	30.5	24	13.2	10	10.2	7
Washington	8	70.4	12	185.0	9	28.1	18	15.3	25	19.9	41
West Virginia	51	127.9	49	364.7	51	90.9	51	20.6	41	14.6	22
Wisconsin	19	73.6	13	199.2	14	31.6	27	15.1	22	16.7	29
Wyoming	34	84.8	23	269.1	38	18.9	7	32.3	51	34.3	48

Note: (—) Data not available.

APPENDIX F1. Healthy Lives: Dimension Ranking and Indicator Rates (continued)

	Adults who report fair or poor health		Adults who smoke		Adults who are obese		Children who are overweight or obese		Adults who have lost six or more teeth	
	2021	rank	2021	rank	2021	rank	2020–21	rank	2020	rank
United States	14%	—	14%	—	34%	—	34%	—	9%	—
Alabama	17	41	17	42	43	50	37	44	14	47
Alaska	14	30	17	40	34	22	31	20	8	21
Arizona	15	33	13	17	32	15	31	18	9	24
Arkansas	18	47	21	49	41	45	37	45	16	50
California	15	35	9	2	29	5	35	39	6	4
Colorado	12	13	12	10	26	2	24	2	6	5
Connecticut	11	3	11	9	32	11	34	36	7	9
Delaware	13	23	13	20	34	23	36	40	9	27
District of Columbia	12	16	10	3	25	1	33	29	5	2
Florida	—	—	—	—	—	—	33	28	9	33
Georgia	16	40	15	30	35	29	34	34	10	36
Hawaii	10	2	10	4	28	4	32	24	5	1
Idaho	12	11	13	19	33	17	27	6	9	30
Illinois	13	29	12	11	35	26	32	27	6	7
Indiana	15	37	17	42	37	36	30	15	12	44
Iowa	12	9	15	28	37	34	35	38	9	24
Kansas	13	25	16	34	38	39	30	14	9	27
Kentucky	19	49	19	45	42	48	41	49	15	49
Louisiana	17	44	19	46	40	43	39	46	12	43
Maine	13	28	16	34	34	21	30	17	13	45
Maryland	12	13	10	5	36	31	32	22	6	5
Massachusetts	10	1	11	6	28	3	28	8	7	13
Michigan	14	32	17	39	35	29	34	30	10	37
Minnesota	11	3	13	20	33	17	26	3	7	8
Mississippi	19	48	19	46	42	47	41	51	15	48
Missouri	15	38	17	41	39	42	34	32	11	40
Montana	13	19	14	25	32	14	26	4	9	34
Nebraska	12	17	13	20	36	32	29	10	7	9
Nevada	17	43	16	36	33	20	32	23	9	24
New Hampshire	11	5	12	13	32	15	27	7	9	31
New Jersey	13	20	11	7	29	6	29	11	7	13
New Mexico	17	41	13	20	37	36	37	41	8	20
New York	13	22	12	11	30	9	32	24	8	19
North Carolina	13	26	15	26	37	35	34	30	10	38
North Dakota	11	5	15	30	35	28	29	11	7	16
Ohio	15	33	18	44	39	41	34	35	11	39
Oklahoma	17	46	17	38	41	46	34	37	14	46
Oregon	14	31	12	14	32	13	32	21	8	22
Pennsylvania	13	26	15	26	34	23	30	15	8	23
Rhode Island	12	13	12	14	32	12	32	24	7	13
South Carolina	15	36	16	33	37	38	40	48	11	40
South Dakota	12	11	15	32	40	44	37	43	7	9
Tennessee	17	45	20	48	37	33	37	42	11	42
Texas	16	39	13	17	38	40	40	47	7	17
Utah	11	8	7	1	32	10	26	4	6	3
Vermont	11	5	15	28	30	8	29	13	9	31
Virginia	13	21	12	14	35	27	34	32	7	17
Washington	13	23	11	7	29	7	28	9	7	12
West Virginia	20	50	22	50	42	49	41	50	19	51
Wisconsin	13	18	13	20	34	25	31	18	9	27
Wyoming	12	9	16	37	33	19	24	1	9	34

Note: (—) Data not available.

APPENDIX F2. Healthy Lives: Key Indicator Trends

	Deaths before age 75 from health care treatable causes per 100,000 population			Deaths before age 75 from preventable causes per 100,000 population			Drug overdose deaths per 100,000 population			Suicide deaths per 100,000 population			Alcohol-related deaths per 100,000 population		
	2018-19	2020-21		2018-19	2020-21		2019	2021		2019	2021		2019	2021	
United States	83.8	88.8	No Change	166.3	231.9	Worsened	21.6	32.4	Worsened	13.9	14.1	No Change	10.4	14.4	Worsened
Alabama	108.5	115.6	No Change	212.6	302.4	Worsened	16.3	30.1	Worsened	16.3	15.8	No Change	7.5	11.1	No Change
Alaska	67.9	80.1	Worsened	193.9	262.2	Worsened	17.8	35.6	Worsened	28.5	30.8	No Change	23.9	41.0	Worsened
Arizona	76.1	87.9	Worsened	173.2	274.7	Worsened	26.8	38.7	Worsened	18.7	19.5	No Change	16.1	24.2	Worsened
Arkansas	121.7	134.8	Worsened	229.3	315.7	Worsened	13.5	22.3	Worsened	18.0	20.6	No Change	10.3	12.1	No Change
California	70.8	75.7	No Change	133.1	197.7	Worsened	15.0	26.6	Worsened	10.7	10.1	No Change	12.2	16.7	Worsened
Colorado	61.0	66.5	No Change	148.5	204.1	Worsened	18.0	31.4	Worsened	22.1	22.8	No Change	18.8	26.5	Worsened
Connecticut	62.0	65.5	No Change	135.9	181.9	Worsened	34.7	42.3	Worsened	11.4	10.0	No Change	9.2	12.6	No Change
Delaware	83.3	84.7	No Change	184.6	233.3	Worsened	48.0	54.0	No Change	11.3	13.6	No Change	8.9	13.1	Worsened
District of Columbia	109.2	121.2	Worsened	212.4	310.9	Worsened	43.2	63.6	Worsened	6.2	6.2	No Change	9.6	14.8	Worsened
Florida	80.9	86.3	No Change	173.8	240.9	Worsened	25.5	37.5	Worsened	14.5	14.0	No Change	10.2	13.1	No Change
Georgia	97.9	104.9	No Change	171.3	250.8	Worsened	13.1	23.5	Worsened	14.6	15.3	No Change	7.8	11.3	No Change
Hawaii	79.4	78.2	No Change	130.2	152.0	No Change	15.9	17.3	No Change	15.5	13.7	No Change	5.9	8.2	No Change
Idaho	66.8	69.1	No Change	151.3	199.1	Worsened	15.1	19.0	No Change	20.4	20.5	No Change	14.5	19.8	Worsened
Illinois	83.9	86.8	No Change	154.5	211.7	Worsened	21.9	29.0	Worsened	10.9	11.1	No Change	7.9	11.4	No Change
Indiana	95.3	99.6	No Change	199.5	267.0	Worsened	26.6	43.0	Worsened	14.2	16.4	No Change	10.4	14.8	Worsened
Iowa	79.1	82.2	No Change	158.4	203.2	Worsened	11.5	15.3	No Change	16.7	17.5	No Change	11.7	17.2	Worsened
Kansas	86.1	92.1	No Change	175.2	235.4	Worsened	14.3	24.3	Worsened	18.2	19.4	No Change	11.1	17.0	Worsened
Kentucky	109.6	119.3	No Change	238.7	324.8	Worsened	32.5	55.6	Worsened	16.5	17.9	No Change	10.7	13.2	No Change
Louisiana	115.1	125.2	No Change	214.8	323.4	Worsened	28.3	55.9	Worsened	15.0	14.8	No Change	6.9	9.8	No Change
Maine	67.7	69.5	No Change	174.3	212.3	Worsened	29.9	47.1	Worsened	19.4	19.5	No Change	11.2	18.8	Worsened
Maryland	85.2	88.1	No Change	168.0	214.0	Worsened	38.2	42.8	No Change	10.3	9.7	No Change	6.2	9.0	No Change
Massachusetts	59.6	59.2	No Change	136.9	162.9	No Change	32.1	36.8	No Change	8.7	8.0	No Change	9.1	12.5	No Change
Michigan	91.0	99.0	No Change	181.8	244.6	Worsened	24.4	31.5	Worsened	14.3	14.3	No Change	10.2	15.2	Worsened
Minnesota	59.5	60.7	No Change	126.4	169.3	Worsened	14.2	24.5	Worsened	14.4	13.9	No Change	12.9	18.0	Worsened
Mississippi	137.5	155.1	Worsened	241.5	363.4	Worsened	13.6	28.4	Worsened	14.4	16.2	No Change	7.0	15.5	Worsened
Missouri	96.0	102.6	No Change	207.3	269.1	Worsened	26.9	36.5	Worsened	18.2	18.7	No Change	8.8	13.2	Worsened
Montana	71.1	77.8	No Change	174.9	245.5	Worsened	14.1	19.5	No Change	26.2	32.0	Worsened	20.3	30.6	Worsened
Nebraska	74.1	76.7	No Change	147.2	189.0	Worsened	8.7	11.4	No Change	16.1	15.0	No Change	13.0	17.5	Worsened
Nevada	89.4	93.2	No Change	179.2	262.4	Worsened	20.1	29.2	Worsened	19.8	21.5	No Change	15.1	22.3	Worsened
New Hampshire	62.9	64.6	No Change	159.9	172.5	No Change	32.0	32.3	No Change	17.5	15.1	No Change	12.2	15.7	No Change
New Jersey	73.3	75.3	No Change	135.4	182.3	Worsened	31.7	32.4	No Change	8.0	7.1	No Change	6.7	7.8	No Change
New Mexico	88.2	95.2	No Change	220.6	335.1	Worsened	30.2	51.6	Worsened	24.0	25.0	No Change	34.3	50.0	Worsened
New York	76.2	78.1	No Change	129.1	189.6	Worsened	18.2	28.7	Worsened	8.3	7.9	No Change	7.0	8.3	No Change
North Carolina	90.1	96.9	No Change	177.9	245.3	Worsened	22.3	39.2	Worsened	12.5	13.2	No Change	9.6	13.4	No Change
North Dakota	77.4	77.4	No Change	157.6	207.8	Worsened	11.4	17.2	No Change	18.1	20.8	No Change	19.7	24.8	Worsened
Ohio	95.1	100.0	No Change	201.2	265.8	Worsened	38.3	48.1	Worsened	15.1	14.6	No Change	9.0	12.9	Worsened
Oklahoma	117.7	127.5	No Change	242.4	332.2	Worsened	16.7	24.4	Worsened	20.5	22.1	No Change	15.1	19.6	Worsened
Oregon	63.0	68.0	No Change	153.7	199.4	Worsened	14.0	26.8	Worsened	20.4	19.5	No Change	18.3	24.4	Worsened
Pennsylvania	82.5	85.5	No Change	169.7	221.2	Worsened	35.6	43.2	Worsened	14.1	13.9	No Change	6.7	9.4	No Change
Rhode Island	69.3	64.1	No Change	153.4	189.1	Worsened	29.5	41.7	Worsened	10.7	10.3	No Change	11.5	16.7	Worsened
South Carolina	98.1	106.3	No Change	200.2	292.7	Worsened	22.7	42.8	Worsened	16.2	15.2	No Change	9.9	16.5	Worsened
South Dakota	79.5	85.4	No Change	174.4	240.9	Worsened	10.5	12.6	No Change	20.9	23.2	No Change	21.2	42.8	Worsened
Tennessee	112.4	119.0	No Change	233.4	329.9	Worsened	31.2	56.6	Worsened	17.2	17.0	No Change	11.7	16.7	Worsened
Texas	92.9	98.4	No Change	159.2	249.6	Worsened	10.8	16.8	No Change	13.4	14.2	No Change	8.7	11.4	No Change
Utah	65.3	68.9	No Change	130.1	169.1	Worsened	18.9	21.1	No Change	21.2	20.1	No Change	9.8	13.8	Worsened
Vermont	62.2	65.3	No Change	161.6	183.2	No Change	23.8	42.3	Worsened	16.0	20.3	Worsened	15.0	17.4	No Change
Virginia	80.8	85.2	No Change	149.2	199.8	Worsened	18.3	30.5	Worsened	12.8	13.2	No Change	7.8	10.2	No Change
Washington	66.1	70.4	No Change	144.9	185.0	Worsened	15.8	28.1	Worsened	15.9	15.3	No Change	14.3	19.9	Worsened
West Virginia	116.6	127.9	Worsened	269.0	364.7	Worsened	52.8	90.9	Worsened	18.5	20.6	No Change	11.6	14.6	No Change
Wisconsin	72.3	73.6	No Change	152.5	199.2	Worsened	21.1	31.6	Worsened	14.0	15.1	No Change	12.5	16.7	Worsened
Wyoming	74.5	84.8	Worsened	189.7	269.1	Worsened	14.1	18.9	No Change	29.3	32.3	Worsened	28.5	34.3	Worsened

APPENDIX G1. Reproductive Care and Women’s Health: Dimension Ranking and Indicator Rates

	Reproductive Care and Women’s Health Dimension Summary	Maternal mortality		Severe maternal morbidity		Infant mortality		Preterm birth rate		Breast and cervical cancer deaths	
		2023	2019-21 rank	2020 rank	2020 rank	2020 rank	2021 rank	2021 rank	2021 rank		
United States	—	25.6	—	88.2	—	5.4	—	10.5%	—	21.7	—
Alabama	43	43.0	40	—	—	7.0	46	13.1	49	23.8	41
Alaska	48	—	—	79.9	23	5.1	17	10.2	26	21.9	23
Arizona	43	34.6	34	80.7	25	5.2	20	10.0	21	22.5	27
Arkansas	46	42.7	39	63.1	6	7.4	49	12.0	46	24.7	46
California	12	9.6	1	105.8	46	3.9	2	9.1	7	20.7	16
Colorado	22	17.6	6	102.5	44	4.8	14	9.8	16	21.0	18
Connecticut	5	16.4	5	87.4	30	4.3	9	9.6	11	17.6	5
Delaware	29	—	—	79.9	23	5.1	17	11.0	38	24.7	46
District of Columbia	19	—	—	117.4	48	5.2	20	10.1	25	24.4	43
Florida	35	29.9	26	94.3	38	5.8	31	10.9	37	21.6	21
Georgia	45	35.9	36	92.3	35	6.3	36	11.9	43	24.5	44
Hawaii	11	20.7	12	97.6	40	4.9	15	10.2	27	18.6	8
Idaho	22	18.2	8	—	—	5.1	17	9.0	5	22.6	29
Illinois	14	20.0	9	84.3	27	5.5	26	10.7	32	22.5	27
Indiana	32	33.4	32	76.6	14	6.8	43	10.9	36	23.4	39
Iowa	6	20.8	12	66.6	9	4.4	10	10.0	24	19.3	11
Kansas	27	24.9	19	69.9	12	6.6	40	9.8	18	23.1	34
Kentucky	35	37.6	38	78.3	19	6.4	38	12.0	45	23.3	37
Louisiana	38	43.8	41	79.1	20	7.6	50	13.5	50	24.5	44
Maine	4	—	—	56.4	3	6.3	36	9.4	9	16.7	2
Maryland	17	23.7	17	87.7	31	5.7	29	10.7	31	21.2	19
Massachusetts	1	14.7	4	105.5	45	3.9	2	9.0	5	16.3	1
Michigan	26	20.5	11	88.9	32	6.8	43	10.6	30	22.7	32
Minnesota	13	13.9	2	99.1	43	4.1	6	9.6	12	19.3	11
Mississippi	50	50.3	43	64.3	7	8.1	51	15.0	51	28.6	51
Missouri	34	28.9	24	94.6	39	5.9	33	11.3	40	23.2	36
Montana	25	30.2	27	69.5	11	5.0	16	9.7	15	18.8	9
Nebraska	24	25.8	21	67.4	10	5.7	29	10.8	33	22.3	26
Nevada	37	27.3	23	89.3	33	4.6	13	11.2	39	23.6	40
New Hampshire	3	—	—	—	—	4.4	10	8.5	2	18.8	9
New Jersey	21	25.4	20	84.6	28	4.0	4	9.2	8	20.4	15
New Mexico	51	36.2	37	97.7	41	5.3	23	10.0	23	21.4	20
New York	10	22.0	15	112.4	47	4.1	6	9.7	14	18.2	6
North Carolina	41	31.7	30	84.9	29	6.8	43	10.8	34	22.6	29
North Dakota	17	32.7	31	58.1	4	5.5	26	9.6	10	17.5	4
Ohio	31	27.2	22	82.2	26	6.7	42	10.6	29	22.6	29
Oklahoma	47	30.3	28	78.2	18	5.9	33	11.9	44	25.9	50
Oregon	9	21.2	14	66.2	8	4.2	8	8.9	4	22.0	24
Pennsylvania	16	17.6	6	92.4	36	5.6	28	9.8	17	21.6	21
Rhode Island	2	—	—	91.9	34	4.0	4	9.7	13	16.7	2
South Carolina	42	35.3	35	77.1	16	6.6	40	12.1	47	23.3	37
South Dakota	20	29.6	25	43.0	2	7.3	47	10.5	28	19.9	14
Tennessee	40	46.9	42	93.3	37	6.4	38	11.3	41	24.1	42
Texas	49	31.4	29	79.5	21	5.3	23	11.4	42	22.7	32
Utah	27	20.1	10	61.3	5	5.4	25	9.9	19	22.2	25
Vermont	7	—	—	79.5	21	3.5	1	8.0	1	19.6	13
Virginia	30	33.7	33	74.0	13	5.8	31	9.9	20	23.1	34
Washington	15	22.2	16	77.6	17	4.5	12	8.9	3	20.8	17
West Virginia	38	24.7	18	98.1	42	7.3	47	12.8	48	25.1	49
Wisconsin	8	14.5	3	76.9	15	5.9	33	10.0	21	18.5	7
Wyoming	33	—	—	42.6	1	5.2	20	10.8	35	24.8	48

Note: (—) Data not available.

APPENDIX G1. Reproductive Care and Women’s Health: Dimension Ranking and Indicator Rates (continued)

	All-cause mortality rate per 100,000 women ages 15–44		Self-pay in-hospital births		Women ages 18–44 without a usual source of care		Women ages 18–44 without a routine checkup		No early prenatal care		Women without a postpartum checkup after birth		Women with up-to-date breast and cervical cancer screenings	
	2021	rank	2021	rank	2021	rank	2021	rank	2021	rank	2020	rank	2020	rank
United States	124.2	—	2.7%	—	21%	—	13%	—	22%	—	11%	—	74%	—
Alabama	192.7	45	1.7	21	21	37	13	27	27	46	9	5	74	15
Alaska	202.1	48	1.9	24	25	44	19	50	26	40	15	41	66	50
Arizona	151.4	37	3.5	38	28	47	16	41	26	42	15	39	71	36
Arkansas	188.2	43	3.2	35	21	35	10	10	28	48	12	26	68	45
California	90.2	5	1.1	12	23	42	16	39	14	2	—	—	74	17
Colorado	115.4	22	2.0	25	20	27	14	36	18	15	12	25	70	38
Connecticut	91.7	6	3.9	41	16	14	11	17	15	7	8	1	80	1
Delaware	147.5	36	1.3	17	20	31	11	17	21	25	12	28	74	20
District of Columbia	94.8	9	1.1	11	18	20	9	3	26	44	11	20	80	1
Florida	143.2	31	4.7	44	—	—	—	—	29	50	11	17	74	19
Georgia	151.3	37	5.6	47	24	43	13	32	23	36	11	19	74	16
Hawaii	78.9	1	0.8	7	13	7	11	19	28	48	10	7	77	9
Idaho	102.5	17	4.4	43	18	21	13	32	17	12	—	—	67	49
Illinois	102.8	18	0.9	10	20	32	8	2	20	23	9	3	70	39
Indiana	152.4	39	2.1	26	18	19	11	21	24	39	—	—	70	40
Iowa	92.3	7	2.3	30	14	8	10	13	17	14	9	4	74	23
Kansas	128.6	27	5.0	45	17	17	13	31	16	8	10	16	70	41
Kentucky	192.1	44	2.1	26	17	18	12	24	22	27	14	37	74	24
Louisiana	195.4	47	0.8	8	15	11	9	9	23	37	14	34	77	8
Maine	119.4	24	1.6	20	10	3	9	6	14	3	10	8	74	14
Maryland	111.7	20	2.7	34	16	13	11	15	23	38	10	9	77	7
Massachusetts	81.8	2	0.4	2	13	5	9	4	15	5	10	9	78	5
Michigan	133.6	28	0.7	6	15	10	12	22	21	24	14	33	74	21
Minnesota	93.5	8	1.1	14	21	38	13	26	16	9	14	38	73	28
Mississippi	223.5	49	3.3	36	20	29	12	23	22	34	13	32	76	12
Missouri	143.8	33	1.9	23	19	26	14	35	22	33	15	40	72	32
Montana	143.2	31	3.7	40	20	30	15	38	20	20	10	15	68	46
Nebraska	101.9	16	2.4	31	16	15	14	37	20	19	12	26	72	33
Nevada	135.5	29	2.2	29	30	48	16	43	22	28	—	—	71	36
New Hampshire	101.8	15	1.4	18	9	1	9	5	15	6	10	9	72	31
New Jersey	87.4	4	6.0	50	22	39	10	12	23	35	15	42	78	6
New Mexico	233.9	50	5.9	48	31	49	17	46	28	47	14	35	69	43
New York	83.2	3	0.6	3	18	23	8	1	19	18	14	36	79	3
North Carolina	152.4	39	7.3	51	21	33	11	20	26	40	—	—	76	11
North Dakota	125.5	26	2.1	28	19	24	16	42	18	16	11	17	71	35
Ohio	147.3	35	3.4	37	16	16	13	27	21	26	10	14	73	30
Oklahoma	167.2	41	1.5	19	27	46	17	47	22	30	—	—	68	47
Oregon	99.5	14	0.8	9	25	45	14	34	16	10	8	2	74	21
Pennsylvania	120.4	25	1.9	22	13	6	11	16	22	32	13	30	77	10
Rhode Island	95.6	12	0.3	1	14	9	9	6	15	4	—	—	79	4
South Carolina	176.8	42	2.7	33	21	34	13	29	26	44	—	—	73	27
South Dakota	146.7	34	2.5	32	18	21	9	8	22	30	13	29	74	18
Tennessee	194.8	46	1.2	16	19	24	11	14	26	42	11	23	73	28
Texas	117.8	23	5.2	46	33	50	18	49	29	51	—	—	72	34
Utah	96.2	13	3.7	39	22	40	18	48	17	11	11	20	68	48
Vermont	95.3	10	1.1	13	12	4	17	44	11	1	10	12	70	42
Virginia	113.3	21	3.9	42	21	35	13	30	20	21	13	31	76	13
Washington	95.3	10	0.6	4	20	28	17	44	22	29	9	6	69	44
West Virginia	238.6	51	1.2	15	16	12	12	25	20	22	11	20	74	25
Wisconsin	107.3	19	0.7	5	10	2	10	11	17	13	11	24	74	25
Wyoming	142.4	30	5.9	49	23	41	16	40	18	17	10	12	63	51

Note: (—) Data not available.

APPENDIX G2. Reproductive Care and Women’s Health: Key Indicator Trends

	Severe maternal morbidity rate per 10,000 in-hospital deliveries			Infant mortality, deaths per 1,000 live births			All-cause mortality rate per 100,000 women ages 15–44			Share of births not beginning prenatal care in first trimester		
	2018	2020		2018	2020		2019	2021		2019	2021	
United States	76.7	88.2	Worsened	5.7	5.4	No Change	89.4	124.2	Worsened	22.4%	21.7%	No Change
Alabama	—	—	—	6.9	7.0	No Change	131.6	192.7	Worsened	29.4	26.6	Improved
Alaska	90.0	79.9	Improved	6.3	5.1	Improved	142.6	202.1	Worsened	24.7	25.5	No Change
Arizona	66.7	80.7	Worsened	5.7	5.2	No Change	94.1	151.4	Worsened	28.5	25.8	Improved
Arkansas	66.2	63.1	No Change	7.5	7.4	No Change	121.3	188.2	Worsened	28.1	28.4	No Change
California	93.9	105.8	Worsened	4.2	3.9	No Change	63.4	90.2	Worsened	14.3	13.5	No Change
Colorado	81.4	102.5	Worsened	4.8	4.8	No Change	80.2	115.4	Worsened	19.6	18.1	No Change
Connecticut	88.1	87.4	No Change	4.2	4.3	No Change	71.4	91.7	Worsened	15.3	15.3	No Change
Delaware	65.8	79.9	Worsened	5.9	5.1	Improved	128.0	147.5	No Change	23.1	20.7	Improved
District of Columbia	96.3	117.4	Worsened	7.4	5.2	Improved	71.1	94.8	Worsened	28.0	25.9	No Change
Florida	73.5	94.3	Worsened	6.0	5.8	No Change	99.8	143.2	Worsened	27.5	29.2	No Change
Georgia	80.9	92.3	Worsened	7.1	6.3	Improved	96.4	151.3	Worsened	24.9	22.6	No Change
Hawaii	103.5	97.6	No Change	6.8	4.9	Improved	67.5	78.9	No Change	28.0	28.4	No Change
Idaho	—	—	—	5.1	5.1	No Change	75.3	102.5	Worsened	17.6	16.7	No Change
Illinois	84.0	84.3	No Change	6.6	5.5	Improved	79.4	102.8	Worsened	22.1	20.4	No Change
Indiana	65.3	76.6	Worsened	6.7	6.8	No Change	112.6	152.4	Worsened	26.6	23.9	Improved
Iowa	52.5	66.6	Worsened	5.0	4.4	No Change	76.9	92.3	No Change	18.5	17.2	No Change
Kansas	63.1	69.9	No Change	6.4	6.6	No Change	90.7	128.6	Worsened	16.5	15.5	No Change
Kentucky	71.8	78.3	No Change	6.1	6.4	No Change	136.5	192.1	Worsened	21.1	21.6	No Change
Louisiana	69.9	79.1	Worsened	7.7	7.6	No Change	126.3	195.4	Worsened	23.6	23.1	No Change
Maine	58.0	56.4	No Change	5.5	6.3	Worsened	98.9	119.4	Worsened	15.1	14.2	No Change
Maryland	82.4	87.7	No Change	6.0	5.7	No Change	90.9	111.7	Worsened	25.5	23.4	No Change
Massachusetts	103.6	105.5	No Change	4.2	3.9	No Change	70.2	81.8	No Change	16.1	14.9	No Change
Michigan	76.0	88.9	Worsened	6.2	6.8	No Change	100.2	133.6	Worsened	20.1	20.6	No Change
Minnesota	88.4	99.1	Worsened	5.1	4.1	Improved	69.6	93.5	Worsened	16.6	16.2	No Change
Mississippi	73.7	64.3	Improved	8.4	8.1	No Change	142.2	223.5	Worsened	22.0	22.4	No Change
Missouri	84.4	94.6	Worsened	6.4	5.9	No Change	111.3	143.8	Worsened	24.4	22.3	No Change
Montana	38.9	69.5	Worsened	4.8	5.0	No Change	112.9	143.2	Worsened	21.3	19.6	No Change
Nebraska	54.0	67.4	Worsened	5.8	5.7	No Change	78.3	101.9	Worsened	20.6	19.5	No Change
Nevada	65.3	89.3	Worsened	6.1	4.6	Improved	87.5	135.5	Worsened	24.6	21.7	Improved
New Hampshire	—	—	—	3.5	4.4	Worsened	95.7	101.8	No Change	13.4	15.0	No Change
New Jersey	80.0	84.6	No Change	3.8	4.0	No Change	77.2	87.4	No Change	23.9	22.5	No Change
New Mexico	76.1	97.7	Worsened	5.7	5.3	No Change	148.7	233.9	Worsened	31.9	28.3	Improved
New York	87.6	112.4	Worsened	4.3	4.1	No Change	64.3	83.2	No Change	18.7	19.3	No Change
North Carolina	73.8	84.9	Worsened	6.8	6.8	No Change	99.8	152.4	Worsened	25.8	25.5	No Change
North Dakota	44.7	58.1	Worsened	5.6	5.5	No Change	91.0	125.5	Worsened	20.8	18.3	Improved
Ohio	78.0	82.2	No Change	6.9	6.7	No Change	118.4	147.3	Worsened	23.0	21.4	No Change
Oklahoma	74.1	78.2	No Change	7.1	5.9	Improved	115.5	167.2	Worsened	23.9	22.1	No Change
Oregon	69.1	66.2	No Change	4.2	4.2	No Change	70.7	99.5	Worsened	17.1	16.3	No Change
Pennsylvania	78.9	92.4	Worsened	5.9	5.6	No Change	97.9	120.4	Worsened	22.2	22.2	No Change
Rhode Island	92.5	91.9	No Change	5.0	4.0	Improved	75.8	95.6	Worsened	14.3	14.7	No Change
South Carolina	77.7	77.1	No Change	7.1	6.6	No Change	116.9	176.8	Worsened	24.2	25.9	No Change
South Dakota	56.7	43.0	Improved	5.9	7.3	Worsened	114.9	146.7	Worsened	22.3	22.1	No Change
Tennessee	80.7	93.3	Worsened	6.9	6.4	No Change	128.3	194.8	Worsened	25.4	25.8	No Change
Texas	65.9	79.5	Worsened	5.5	5.3	No Change	79.1	117.8	Worsened	30.9	29.3	No Change
Utah	48.3	61.3	Worsened	5.5	5.4	No Change	83.9	96.2	No Change	17.9	16.6	No Change
Vermont	66.8	79.5	Worsened	6.4	3.5	Improved	85.8	95.3	No Change	10.9	10.8	No Change
Virginia	69.7	74.0	No Change	5.6	5.8	No Change	81.2	113.3	Worsened	20.8	19.7	No Change
Washington	65.8	77.6	Worsened	4.7	4.5	No Change	71.8	95.3	Worsened	21.5	21.8	No Change
West Virginia	83.8	98.1	Worsened	7.0	7.3	No Change	174.8	238.6	Worsened	20.4	20.2	No Change
Wisconsin	58.7	76.9	Worsened	6.1	5.9	No Change	84.5	107.3	Worsened	17.4	16.8	No Change
Wyoming	33.7	42.6	Worsened	5.3	5.2	No Change	92.7	142.4	Worsened	20.8	18.4	Improved

Note: (—) Data not available.

APPENDIX H1. Income Disparity: Dimension Ranking and Indicator Rates

	Income Disparity Dimension Summary	Uninsured adults				Uninsured children				Adults who went without care because of cost				Adults without a usual source of care				High out-of-pocket medical spending			
		2021				2021				2020–21				2020–21				2020–21			
		0%–199%	400% and above	Disparity	rank	0%–199%	400% and above	Disparity	rank	0%–199%	400% and above	Disparity	rank	0%–199%	400% and above	Disparity	rank	0%–199%	400% and above	Disparity	rank
United States	—	23%	5%	-18	—	7%	3%	-5	—	19%	5%	-15	—	29%	15%	-14	—	18%	2%	-17	—
Alabama	49	28	5	-23	46	5	3	-3	9	25	3	-22	49	28	14	-14	36	20	1	-19	31
Alaska	17	21	9	-12	23	9	5	-4	18	21	6	-15	32	34	25	-10	21	14	2	-13	2
Arizona	22	23	7	-16	34	10	6	-5	27	19	5	-14	26	35	18	-17	44	19	2	-17	21
Arkansas	44	19	6	-14	27	6	4	-3	10	22	4	-18	40	24	14	-11	28	20	3	-18	26
California	13	18	4	-14	28	5	2	-3	11	14	4	-10	5	31	14	-17	44	15	1	-14	5
Colorado	32	20	5	-15	32	8	3	-5	30	18	5	-13	21	34	18	-16	43	24	3	-21	39
Connecticut	8	13	4	-9	11	4	2	-2	8	14	4	-10	8	24	10	-14	36	18	3	-15	10
Delaware	24	15	5	-10	12	—	—	—	—	17	3	-14	27	25	10	-15	41	20	—	—	—
District of Columbia	38	10	2	-8	4	—	—	—	—	15	4	-11	11	24	18	-6	4	18	1	-17	20
Florida	50	30	8	-22	41	9	4	-5	35	—	—	—	—	—	—	—	—	19	2	-17	21
Georgia	46	35	7	-28	50	9	3	-6	37	28	7	-21	48	31	16	-15	40	20	1	-18	28
Hawaii	3	11	3	-9	6	—	2	—	—	13	2	-11	9	19	9	-9	14	17	—	—	—
Idaho	15	18	7	-12	20	9	3	-6	38	18	4	-15	30	25	18	-7	9	23	1	-22	40
Illinois	33	19	5	-14	30	4	2	-3	11	18	5	-13	20	25	15	-10	19	17	2	-16	15
Indiana	29	17	4	-13	25	8	3	-4	24	18	4	-14	24	24	15	-9	18	15	1	-13	3
Iowa	25	14	3	-11	18	5	1	-3	15	14	3	-11	14	22	13	-9	14	17	2	-14	8
Kansas	42	27	5	-23	45	7	3	-4	19	23	4	-20	45	28	13	-15	39	21	1	-20	34
Kentucky	39	12	4	-9	6	5	2	-3	11	16	4	-12	16	21	14	-7	7	17	3	-14	6
Louisiana	16	15	5	-10	15	4	3	-1	2	19	5	-14	25	22	13	-9	14	14	2	-12	1
Maine	19	15	3	-12	21	5	—	—	—	15	5	-11	10	16	9	-6	6	18	—	—	—
Maryland	10	17	4	-14	29	7	3	-5	26	22	4	-18	38	28	10	-18	47	21	—	—	—
Massachusetts	7	7	2	-5	1	—	1	—	—	14	4	-10	4	18	9	-10	19	18	2	-17	19
Michigan	31	12	3	-9	8	4	2	-2	6	15	3	-11	13	18	10	-8	12	18	2	-16	17
Minnesota	4	12	3	-10	14	5	2	-4	16	14	4	-10	7	28	18	-10	25	18	1	-17	21
Mississippi	35	30	7	-23	46	7	4	-3	14	24	4	-20	46	24	14	-10	22	16	1	-15	10
Missouri	51	27	5	-22	43	8	3	-5	32	24	5	-19	43	28	15	-13	32	19	—	—	—
Montana	6	17	6	-11	17	14	5	-9	42	16	3	-13	18	27	21	-6	5	20	2	-18	25
Nebraska	21	21	4	-18	36	10	2	-8	40	20	3	-17	34	27	12	-15	42	19	1	-18	30
Nevada	22	25	6	-19	37	11	4	-7	39	19	5	-14	28	42	21	-20	49	16	—	—	—
New Hampshire	20	13	4	-9	10	7	2	-5	36	19	5	-14	29	17	9	-8	11	23	—	—	—
New Jersey	29	25	4	-21	39	6	2	-5	28	22	4	-18	39	31	12	-19	48	18	1	-17	24
New Mexico	5	20	7	-12	24	8	4	-5	30	13	4	-9	2	33	20	-12	31	13	—	—	—
New York	1	12	4	-8	5	3	2	-2	4	16	5	-11	11	25	15	-10	25	16	2	-14	7
North Carolina	46	28	6	-22	44	7	3	-4	21	23	4	-19	42	29	12	-17	46	20	1	-19	33
North Dakota	25	21	5	-16	35	12	—	—	—	18	3	-15	31	29	24	-5	2	21	1	-20	36
Ohio	36	15	4	-11	19	7	3	-4	25	16	4	-12	15	23	14	-9	14	17	1	-17	18
Oklahoma	43	34	8	-26	49	8	6	-2	7	26	4	-22	50	29	16	-13	35	17	1	-16	16
Oregon	12	15	4	-12	21	4	2	-2	4	15	5	-10	5	28	17	-10	24	20	2	-18	29
Pennsylvania	9	14	4	-10	16	6	2	-4	21	13	4	-9	3	14	12	-3	1	16	1	-16	13
Rhode Island	17	10	3	-7	3	—	—	—	—	15	3	-12	17	18	8	-10	22	13	—	—	—
South Carolina	41	26	7	-19	38	7	3	-4	20	22	5	-17	36	25	15	-11	27	22	2	-20	36
South Dakota	11	29	4	-24	48	11	7	-4	17	19	3	-17	35	24	16	-8	13	16	2	-15	9
Tennessee	48	28	6	-22	42	7	2	-5	33	22	5	-18	37	26	15	-11	30	17	2	-15	10
Texas	45	44	10	-34	51	15	6	-9	41	27	6	-21	47	43	19	-24	50	20	2	-18	27
Utah	27	21	5	-16	33	14	3	-11	43	22	4	-18	40	33	20	-13	33	29	2	-27	42
Vermont	2	8	2	-5	2	—	—	—	—	11	4	-8	1	15	11	-5	3	22	1	-21	38
Virginia	39	19	4	-15	31	7	2	-5	33	21	5	-16	33	30	15	-14	38	20	2	-19	32
Washington	14	17	4	-13	26	4	3	-1	3	17	4	-13	22	29	16	-13	33	18	2	-16	14
West Virginia	33	13	4	-9	9	3	3	0	1	18	5	-13	19	19	13	-7	8	16	2	-14	4
Wisconsin	27	13	3	-10	12	6	2	-4	23	17	3	-13	22	23	12	-11	29	22	2	-20	35
Wyoming	37	29	8	-21	40	12	7	-5	28	24	4	-20	44	32	25	-7	10	28	4	-24	41

Note: (—) Data not available.

APPENDIX H1. Income Disparity: Dimension Ranking and Indicator Rates (continued)

	Adults without a dental visit				Adults with all recommended cancer screenings				Adults with age-appropriate vaccines				Children without all recommended vaccines				Children with a medical home			
	2018/20				2018/20				2020-21				2021				2020-21			
	0%-199%	400% and above	Disparity	rank	0%-199%	400% and above	Disparity	rank	0%-199%	400% and above	Disparity	rank	0%-199%	300% and above	Disparity	rank	0%-199%	400% and above	Disparity	rank
United States	50%	22%	-28	—	64%	74%	-10	—	33%	51%	-17	—	34%	21%	-13	—	32%	61%	-28	—
Alabama	57	22	-35	47	66	76	-10	27	28	46	-18	42	32	22	-10	19	35	61	-27	27
Alaska	46	24	-22	3	59	68	-9	18	30	47	-17	34	54	21	-33	50	34	57	-23	9
Arizona	54	25	-30	33	61	71	-10	27	30	46	-16	30	40	33	-7	13	29	54	-25	18
Arkansas	59	25	-34	44	62	72	-10	23	34	53	-19	45	42	11	-31	49	36	64	-29	38
California	47	21	-26	20	63	73	-10	23	31	52	-21	47	37	25	-12	25	26	59	-32	45
Colorado	48	23	-25	16	62	72	-10	25	37	53	-17	32	53	15	-38	51	41	61	-20	5
Connecticut	40	18	-22	5	72	79	-7	8	39	56	-17	31	22	12	-10	19	28	63	-35	49
Delaware	54	18	-37	50	66	77	-10	26	37	54	-17	34	28	18	-10	19	33	58	-25	16
District of Columbia	35	23	-12	1	66	80	-14	46	36	62	-26	50	41	19	-22	45	23	65	-42	51
Florida	52	23	-28	29	62	76	-14	47	—	—	—	—	35	17	-18	37	29	57	-27	30
Georgia	55	21	-34	43	62	75	-13	45	29	43	-14	17	47	29	-18	37	40	63	-23	11
Hawaii	42	15	-27	23	67	79	-13	42	35	48	-13	10	41	17	-24	47	32	58	-26	21
Idaho	50	21	-29	31	55	69	-15	51	32	47	-15	21	25	26	1	4	38	58	-20	4
Illinois	46	22	-24	11	58	72	-14	50	35	54	-19	44	38	17	-21	42	31	64	-33	47
Indiana	52	23	-29	30	62	71	-8	13	35	48	-13	9	38	19	-19	39	33	59	-26	23
Iowa	45	21	-23	7	67	73	-7	5	39	54	-15	20	15	6	-9	16	34	74	-40	50
Kansas	51	20	-31	37	59	70	-11	33	32	53	-21	47	39	30	-9	16	38	66	-28	32
Kentucky	57	24	-34	42	61	76	-14	49	34	50	-15	21	27	15	-12	25	40	64	-24	14
Louisiana	52	28	-23	6	69	77	-8	11	31	45	-14	16	46	25	-21	42	30	62	-33	46
Maine	56	19	-36	49	68	76	-8	12	41	54	-13	12	32	18	-14	30	42	67	-25	19
Maryland	54	23	-31	37	71	75	-4	1	35	54	-20	46	30	10	-20	41	26	58	-32	44
Massachusetts	40	19	-21	2	67	79	-12	39	46	59	-14	14	22	9	-13	28	33	61	-28	35
Michigan	45	18	-28	26	67	76	-9	14	34	50	-16	29	37	20	-17	36	34	63	-29	40
Minnesota	44	20	-25	12	64	75	-11	32	37	54	-17	38	41	26	-15	32	42	61	-18	2
Mississippi	56	26	-30	34	67	74	-7	5	29	47	-18	40	33	31	-2	5	34	61	-26	25
Missouri	53	22	-31	35	64	73	-9	17	36	51	-16	27	39	18	-21	42	37	64	-27	29
Montana	47	24	-24	8	58	71	-13	43	35	47	-12	6	29	34	5	1	37	65	-28	37
Nebraska	48	21	-28	27	62	73	-11	35	38	57	-18	43	18	23	5	1	40	67	-27	26
Nevada	55	21	-34	46	62	71	-9	15	29	42	-13	13	31	15	-16	35	24	50	-26	23
New Hampshire	57	20	-37	51	69	76	-7	8	42	53	-11	5	24	18	-6	12	42	63	-20	5
New Jersey	46	21	-25	14	61	73	-12	40	33	48	-15	21	48	22	-26	48	31	56	-25	15
New Mexico	47	22	-25	15	63	69	-6	3	37	51	-14	15	32	17	-15	32	30	53	-23	10
New York	44	22	-22	4	68	79	-11	29	36	50	-13	10	35	25	-10	19	31	62	-31	43
North Carolina	52	18	-34	44	66	76	-11	29	37	54	-17	34	26	19	-7	13	36	62	-26	21
North Dakota	49	24	-25	13	59	72	-12	41	43	50	-7	1	26	13	-13	28	37	67	-31	42
Ohio	48	21	-27	24	66	72	-6	4	33	48	-15	25	32	17	-15	32	35	65	-30	41
Oklahoma	56	24	-31	37	58	69	-11	29	34	49	-15	24	29	18	-11	24	35	63	-28	34
Oregon	48	19	-29	32	64	76	-11	33	37	51	-15	18	33	21	-12	25	40	65	-25	17
Pennsylvania	47	21	-26	18	66	75	-9	16	40	51	-11	4	38	16	-22	45	32	57	-25	19
Rhode Island	43	16	-26	21	67	80	-13	43	44	56	-13	8	28	18	-10	19	38	62	-24	12
South Carolina	51	20	-31	35	66	73	-7	10	32	47	-15	19	28	33	5	1	38	66	-28	32
South Dakota	45	19	-26	18	59	73	-14	47	45	54	-9	2	34	31	-3	7	36	65	-29	39
Tennessee	61	25	-36	48	63	75	-12	36	31	48	-18	40	32	27	-5	9	37	65	-27	30
Texas	55	29	-26	21	62	69	-7	7	30	46	-16	27	29	20	-9	16	27	61	-34	48
Utah	44	19	-24	10	60	69	-9	20	36	51	-15	25	22	20	-2	5	49	60	-11	1
Vermont	44	19	-26	17	64	73	-9	18	41	58	-17	33	21	16	-5	9	42	65	-24	12
Virginia	49	18	-32	40	64	76	-12	36	35	57	-22	49	23	19	-4	8	33	60	-27	28
Washington	48	20	-27	25	60	72	-12	38	37	54	-17	37	33	19	-14	30	38	58	-21	7
West Virginia	58	25	-33	41	64	74	-10	22	34	46	-12	7	46	38	-8	15	38	58	-21	8
Wisconsin	42	19	-24	9	66	71	-5	2	35	53	-18	39	37	18	-19	39	38	66	-28	36
Wyoming	49	21	-28	28	55	65	-10	21	31	41	-10	3	28	23	-5	9	38	58	-19	3

Note: (—) Data not available.

APPENDIX H1. Income Disparity: Dimension Ranking and Indicator Rates (continued)

	Children without a medical and dental preventive care visit				Potentially avoidable emergency department visits age 65 and older				Preventable hospitalizations age 65 and older				Hospital 30-day readmission rate age 65 and older				Primary care spending as share of total, age 65 and older			
	2020–21				2020				2020				2020				2020			
	0%–199%	400% and above	Disparity	rank	Dual eligible	Not dual eligible	Disparity	rank	Dual eligible	Not dual eligible	Disparity	rank	Dual eligible	Not dual eligible	Disparity	rank	Dual eligible	Not dual eligible	Disparity	rank
United States	48%	26%	-22	—	248	124	-124	—	59	25	-34	—	71	27	-44	—	4.9%	5.6%	-0.7	—
Alabama	50	27	-23	37	254	129	-125	22	78	34	-44	24	74	33	-41	22	5.1	6.1	-1.0	31
Alaska	46	28	-18	14	209	101	-108	10	—	18	—	—	22	14	-8	1	4.0	5.1	-1.1	36
Arizona	47	25	-22	31	219	115	-104	7	48	17	-31	11	66	22	-45	26	5.3	7.2	-1.9	49
Arkansas	52	30	-22	31	263	122	-141	30	60	26	-34	17	70	27	-43	25	4.8	6.3	-1.5	44
California	57	29	-28	49	200	101	-99	6	41	17	-23	3	55	21	-34	17	4.7	4.9	-0.2	13
Colorado	39	20	-20	18	239	110	-128	24	—	14	—	—	44	16	-28	12	5.3	6.4	-1.1	36
Connecticut	43	19	-24	41	246	131	-115	15	50	27	-23	2	61	29	-32	15	4.8	4.9	-0.1	10
Delaware	47	25	-21	25	278	113	-165	43	—	23	—	—	63	25	-37	19	4.9	5.3	-0.4	16
District of Columbia	39	21	-18	13	245	92	-153	38	50	20	-30	8	70	22	-48	31	5.1	4.7	0.4	3
Florida	45	24	-22	29	276	126	-150	34	78	27	-51	31	105	30	-75	49	5.1	6.2	-1.1	36
Georgia	48	25	-24	39	266	121	-145	32	66	27	-39	21	75	29	-46	27	4.9	6.0	-1.1	36
Hawaii	44	23	-21	22	233	118	-115	17	—	15	—	—	—	—	—	—	5.2	5.4	-0.2	13
Idaho	44	27	-18	12	239	121	-118	20	—	13	—	—	23	14	-9	2	4.1	5.0	-0.9	28
Illinois	49	30	-19	17	270	132	-138	27	72	31	-42	22	92	34	-58	40	5.1	5.5	-0.4	16
Indiana	49	25	-25	43	271	133	-138	28	66	29	-37	20	76	26	-50	34	4.3	5.2	-0.9	28
Iowa	40	18	-22	35	258	126	-132	25	77	22	-55	33	74	19	-55	38	4.5	6.0	-1.5	44
Kansas	45	25	-20	19	267	128	-139	29	55	23	-32	13	51	25	-25	11	5.1	6.7	-1.6	46
Kentucky	48	24	-24	40	296	145	-151	37	82	36	-46	25	80	34	-47	29	5.7	5.8	-0.1	10
Louisiana	48	25	-22	34	324	139	-185	47	83	28	-55	32	71	29	-42	23	5.0	5.1	-0.1	10
Maine	42	21	-21	23	277	130	-148	33	53	22	-31	9	68	17	-51	35	4.6	4.2	0.4	3
Maryland	41	26	-15	7	230	117	-113	14	43	24	-19	1	57	27	-30	14	5.2	5.1	0.1	8
Massachusetts	41	20	-22	27	247	137	-110	11	—	31	—	—	84	37	-47	30	4.2	4.8	-0.6	23
Michigan	47	22	-25	43	280	135	-144	31	66	30	-36	19	95	34	-61	42	5.2	5.1	0.1	8
Minnesota	52	30	-22	31	236	139	-97	3	—	25	—	—	44	28	-16	5	4.0	5.2	-1.2	40
Mississippi	49	42	-7	1	308	123	-186	48	77	27	-50	29	71	25	-46	28	5.1	6.3	-1.2	40
Missouri	52	27	-25	45	257	134	-122	21	82	26	-55	34	93	30	-63	43	4.7	5.2	-0.5	19
Montana	42	31	-12	2	235	118	-118	19	—	18	—	—	31	18	-13	4	5.7	5.1	0.6	1
Nebraska	45	29	-16	9	263	113	-150	35	53	21	-32	16	46	27	-19	8	4.4	6.1	-1.7	47
Nevada	56	33	-23	36	222	123	-99	5	—	19	—	—	50	32	-18	6	6.0	5.6	0.4	3
New Hampshire	32	20	-12	3	282	131	-151	36	—	25	—	—	115	24	-90	50	4.9	4.5	0.4	3
New Jersey	41	26	-16	8	191	108	-83	1	61	29	-32	12	100	31	-69	47	4.8	5.3	-0.5	19
New Mexico	47	25	-22	27	240	125	-115	15	45	17	-28	6	39	17	-22	10	4.2	5.6	-1.4	43
New York	45	25	-20	21	196	113	-83	2	51	25	-26	5	67	30	-37	18	5.1	4.9	0.2	7
North Carolina	42	21	-21	24	309	123	-186	48	75	25	-50	30	82	25	-57	39	5.9	6.9	-1.0	31
North Dakota	59	31	-27	48	243	126	-116	18	—	—	—	—	74	20	-55	37	4.9	6.1	-1.2	40
Ohio	52	23	-29	50	298	140	-159	42	78	29	-49	27	81	32	-49	33	4.3	4.8	-0.5	19
Oklahoma	48	29	-19	16	319	148	-170	44	78	28	-50	28	93	29	-64	44	4.4	5.1	-0.7	26
Oregon	48	26	-22	29	232	122	-111	12	46	17	-30	7	28	17	-12	3	4.7	5.6	-0.9	28
Pennsylvania	46	26	-20	20	217	120	-97	4	61	29	-32	14	69	31	-38	20	4.6	5.3	-0.7	26
Rhode Island	48	19	-29	51	273	119	-153	39	—	29	—	—	71	29	-42	24	4.6	5.0	-0.4	16
South Carolina	38	25	-13	4	307	121	-186	50	56	24	-32	14	92	26	-65	46	5.2	7.8	-2.6	50
South Dakota	48	29	-19	15	214	109	-105	8	—	21	—	—	42	24	-19	7	4.1	4.7	-0.6	23
Tennessee	48	24	-24	38	277	122	-155	40	75	28	-47	26	69	30	-39	21	5.5	7.2	-1.7	47
Texas	46	25	-21	25	253	125	-128	23	69	26	-43	23	77	28	-49	32	4.7	5.7	-1.0	31
Utah	45	28	-17	10	218	107	-111	13	—	15	—	—	78	14	-65	45	4.5	7.4	-2.9	51
Vermont	33	20	-13	5	269	132	-137	26	—	20	—	—	38	17	-21	9	5.6	5.0	0.6	1
Virginia	52	27	-24	42	288	133	-155	41	60	26	-34	18	84	24	-61	41	5.2	5.7	-0.5	19
Washington	43	26	-17	11	227	120	-108	9	48	17	-31	10	47	15	-32	15	4.8	5.8	-1.0	31
West Virginia	45	18	-27	47	330	159	-171	45	—	34	—	—	85	34	-51	36	5.1	5.3	-0.2	13
Wisconsin	53	26	-27	46	326	145	-181	46	46	21	-25	4	53	24	-29	13	4.1	4.7	-0.6	23
Wyoming	40	26	-14	6	420	116	-304	51	—	—	—	—	90	21	-69	48	4.3	5.3	-1.0	31

Note: (—) Data not available.

APPENDIX H1. Income Disparity: Dimension Ranking and Indicator Rates (continued)

	Adults who report fair or poor health				Adults who smoke				Adults who are obese				Adults who have lost six or more teeth			
	2020–21				2020–21				2020–21				2018/20			
	0%–199%	400% and above	Disparity	rank	0%–199%	400% and above	Disparity	rank	0%–199%	400% and above	Disparity	rank	0%–199%	400% and above	Disparity	rank
United States	24%	6%	-18	—	22%	9%	-14	—	39%	30%	-9	—	15%	4%	-11	—
Alabama	30	5	-25	48	30	11	-20	40	46	37	-9	33	21	7	-15	39
Alaska	21	6	-15	6	33	10	-22	47	37	31	-6	21	24	4	-21	49
Arizona	23	7	-16	14	19	8	-11	6	38	29	-9	40	12	4	-8	6
Arkansas	28	7	-22	45	30	12	-18	35	41	36	-5	13	23	7	-16	43
California	23	6	-17	20	12	5	-7	1	37	25	-11	48	9	3	-6	2
Colorado	20	5	-16	8	21	8	-14	13	30	24	-7	23	12	3	-9	12
Connecticut	22	4	-18	26	21	7	-13	12	38	27	-11	47	13	3	-10	17
Delaware	21	6	-16	11	23	8	-15	18	38	33	-5	14	14	5	-9	16
District of Columbia	22	3	-18	31	21	5	-16	29	42	17	-26	50	13	1	-12	26
Florida	—	—	—	—	—	—	—	—	—	—	—	—	17	6	-11	24
Georgia	26	6	-21	40	25	9	-16	28	37	33	-5	11	19	5	-13	32
Hawaii	16	6	-10	1	19	6	-12	9	31	25	-7	24	8	3	-5	1
Idaho	21	5	-16	14	24	8	-16	26	37	29	-8	29	14	4	-10	18
Illinois	22	7	-16	12	22	8	-14	17	39	31	-9	37	11	3	-8	7
Indiana	27	6	-21	42	31	12	-18	36	41	36	-4	8	20	5	-14	37
Iowa	24	5	-19	34	26	11	-15	25	42	36	-6	21	15	4	-11	23
Kansas	23	6	-18	25	29	10	-20	40	40	35	-5	9	17	4	-13	30
Kentucky	32	6	-26	50	33	11	-22	46	45	37	-8	32	27	5	-22	50
Louisiana	28	6	-21	44	27	12	-15	22	41	38	-4	2	18	5	-13	28
Maine	21	4	-16	16	31	8	-23	49	36	31	-5	14	23	5	-18	48
Maryland	20	5	-14	5	19	7	-12	8	35	31	-4	6	12	4	-8	8
Massachusetts	23	5	-18	30	21	7	-14	14	30	25	-6	18	14	4	-10	19
Michigan	26	6	-20	38	30	11	-20	40	41	32	-9	38	19	4	-16	43
Minnesota	19	5	-14	4	24	9	-15	19	35	31	-4	3	12	4	-8	8
Mississippi	26	8	-18	29	29	12	-17	32	44	38	-6	19	23	6	-16	46
Missouri	27	6	-21	42	33	10	-23	48	43	33	-10	43	20	5	-15	38
Montana	22	5	-17	20	29	7	-21	45	32	28	-4	6	17	4	-12	27
Nebraska	20	4	-16	13	22	9	-13	10	37	34	-3	1	12	4	-9	14
Nevada	28	6	-22	46	20	10	-10	5	37	31	-6	20	12	4	-7	4
New Hampshire	24	5	-19	33	29	8	-21	44	40	31	-9	33	21	5	-16	45
New Jersey	21	6	-16	10	16	8	-8	2	36	26	-9	41	13	5	-8	8
New Mexico	22	6	-16	9	22	8	-15	19	40	32	-8	28	13	4	-9	12
New York	21	4	-17	17	19	8	-11	7	32	25	-7	26	13	4	-8	8
North Carolina	22	5	-17	22	25	10	-15	23	42	32	-10	44	18	4	-14	33
North Dakota	22	5	-17	18	29	13	-16	29	40	33	-7	26	14	4	-10	20
Ohio	26	6	-21	41	32	11	-21	43	41	36	-5	11	19	5	-14	36
Oklahoma	26	7	-19	35	28	10	-18	34	43	38	-5	14	20	6	-14	33
Oregon	22	5	-17	22	21	7	-14	14	36	28	-8	30	20	3	-17	47
Pennsylvania	25	6	-19	36	27	10	-17	33	40	32	-9	36	19	4	-15	40
Rhode Island	22	4	-18	26	21	8	-13	10	40	29	-11	45	14	3	-10	21
South Carolina	27	6	-20	39	27	10	-17	31	48	33	-15	49	18	5	-13	31
South Dakota	18	4	-14	2	30	11	-19	37	43	35	-8	31	13	4	-9	15
Tennessee	29	5	-23	47	31	12	-19	39	42	34	-9	33	21	6	-15	40
Texas	24	6	-19	32	19	9	-10	3	43	33	-10	42	11	5	-6	3
Utah	19	5	-14	3	15	5	-10	4	32	28	-4	5	10	3	-7	4
Vermont	21	3	-17	24	25	6	-19	38	30	26	-4	4	19	4	-15	42
Virginia	23	6	-17	19	24	8	-16	27	39	32	-7	25	16	3	-13	28
Washington	25	6	-19	36	21	7	-14	14	36	25	-11	46	13	3	-10	21
West Virginia	32	7	-25	48	37	12	-25	50	45	40	-5	10	29	7	-22	51
Wisconsin	24	6	-18	28	25	10	-15	24	40	31	-9	38	18	5	-14	35
Wyoming	20	5	-15	6	27	12	-15	19	34	29	-5	17	18	7	-11	25

Note: (—) Data not available.

APPENDIX I1. Racial and Ethnic Health Equity: State Health Equity Rankings and Summary Percentile Scores

	Equity Dimension Summary	American Indian and Alaska Native People		Asian American, Native Hawaiian, and Pacific Islander People		Black People		Hispanic People		White People
		Health System Performance Percentile Score (1-100, lower to higher)	Rank among AIAN populations	Health System Performance Percentile Score (1-100, lower to higher)	Rank among AANHPI populations	Health System Performance Percentile Score (1-100, lower to higher)	Rank among Black populations	Health System Performance Percentile Score (1-100, lower to higher)	Rank among Hispanic populations	Health System Performance Percentile Score (1-100, lower to higher)
United States		—	—	—	—	—	—	—	—	—
Alabama	36	—	—	—	—	26	24	19	35	56
Alaska	40	7	6	7	30	—	—	48	15	67
Arizona	30	4	7	71	18	18	31	30	29	72
Arkansas	43	—	—	—	—	26	24	5	46	48
California	6	50	1	94	6	38	13	50	14	89
Colorado	19	—	—	85	10	32	18	32	27	91
Connecticut	8	—	—	76	12	53	4	65	5	98
Delaware	16	—	—	—	—	43	9	36	21	87
District of Columbia	3	—	—	—	—	50	6	78	2	100
Florida	18	—	—	73	16	28	21	54	9	62
Georgia	32	—	—	68	20	27	22	12	41	60
Hawaii	2	—	—	97	2	—	—	82	1	97
Idaho	22	—	—	—	—	—	—	34	24	71
Illinois	17	—	—	91	9	26	24	46	16	83
Indiana	34	—	—	65	22	22	28	20	34	65
Iowa	25	—	—	67	21	19	30	36	21	88
Kansas	39	—	—	43	27	16	34	33	26	75
Kentucky	26	—	—	—	—	33	16	19	35	54
Louisiana	31	—	—	—	—	26	24	22	32	62
Maine	—	—	—	—	—	—	—	—	—	77
Maryland	7	—	—	96	3	66	3	32	27	94
Massachusetts	1	—	—	99	1	69	1	78	2	98
Michigan	20	—	—	76	12	13	35	57	8	81
Minnesota	23	—	—	56	25	37	14	34	24	93
Mississippi	49	—	—	—	—	9	37	3	47	44
Missouri	28	—	—	58	23	29	19	28	30	60
Montana	26	2	9	—	—	—	—	35	23	71
Nebraska	32	—	—	—	—	29	19	17	37	83
Nevada	35	—	—	74	14	10	36	26	31	65
New Hampshire	5	—	—	—	—	—	—	67	4	91
New Jersey	13	—	—	96	3	40	12	39	18	93
New Mexico	12	27	2	—	—	—	—	45	17	79
New York	11	—	—	81	11	52	5	58	7	88
North Carolina	24	16	3	56	25	37	14	13	39	79
North Dakota	43	2	9	—	—	—	—	12	41	78
Ohio	21	—	—	74	14	27	22	38	20	65
Oklahoma	42	16	3	43	27	9	37	12	41	48
Oregon	15	—	—	73	16	42	10	52	11	82
Pennsylvania	10	—	—	93	7	42	10	60	6	84
Rhode Island	4	—	—	—	—	68	2	53	10	99
South Carolina	46	—	—	23	29	33	16	13	39	72
South Dakota	40	1	11	—	—	—	—	14	38	81
Tennessee	47	—	—	—	—	18	31	3	47	62
Texas	38	4	7	57	24	22	28	8	44	62
Utah	28	—	—	69	19	—	—	22	32	85
Vermont	—	—	—	—	—	—	—	—	—	91
Virginia	8	—	—	95	5	50	6	51	13	86
Washington	14	8	5	92	8	45	8	52	11	87
West Virginia	45	—	—	—	—	17	33	—	—	42
Wisconsin	37	—	—	—	—	7	39	39	18	86
Wyoming	48	—	—	—	—	—	—	7	45	46

Notes: The Health System Performance percentile score and ranking for each group is reproduced here using the same scoring method used in the Commonwealth Fund 2021 Scorecard on State Health Equity Performance (released Nov. 2021). A percentile score of “1” indicates that health system performance for that state group is the lowest among all groups measured; a score of “100” indicates that health system performance is the highest among all groups measured. Data is not available for all groups in every state. For this 2023 State Scorecard, states are ranked based on the performance of their health system for Black, Hispanic, American Indian/Alaska Native (AIAN), and Asian American, Native Hawaiian, and Pacific Islander (AANHPI) residents. States are not ranked on performance for white residents in this report, but the percentile score for white residents is reproduced in the far right column for comparison within the state. See Methods section for additional details.

APPENDIX J. State Scorecard Indicator Descriptions and Source Notes

ABBREVIATIONS

ACS PUMS = American Community Survey, Public Use Microdata Sample

AHRQ = Agency for Healthcare Research and Quality

BRFSS = Behavioral Risk Factor Surveillance System

CCW = Chronic Conditions Warehouse

CDC = Centers for Disease Control and Prevention

CMS = Centers for Medicare and Medicaid Services

CPS ASEC = Current Population Survey, Annual Social and Economic Supplement

HCAHPS = Hospital Consumer Assessment of Healthcare Providers and Systems Survey

HCUP = Healthcare Cost and Utilization Project

LDS = Limited Data Set

MDS = Minimum Data Set

MedPAR = Medicare Provider and Analytic Review

MEPS-IC = Medical Expenditure Panel Survey, Insurance Component

NCCDPHP = National Center for Chronic Disease Prevention and Health Promotion

NCHS = National Center for Health Statistics

NCIRD = National Center for Immunization and Respiratory Diseases

NIS-PUF = National Immunization Survey, Public Use Data File

NSCH = National Survey of Children's Health

NSDUH = National Survey of Drug Use and Health

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—Nativity Data

OASIS = Outcome and Assessment Information Set

PRAMS = Pregnancy Risk Assessment Monitoring System

SAMHSA = Substance Abuse and Mental Health Services Administration

WONDER = Wide-Ranging Online Data for Epidemiologic Research

DEFINITIONS FOR INDICATORS

1. Adults ages 19–64 uninsured: Percent of adults ages 19–64 without health insurance coverage. Authors' analysis of 2019 and 2021 1-year ACS PUMS (U.S. Census Bureau).

2. Children ages 0–18 uninsured: Percent of children ages 0–18 without health insurance coverage. Authors' analysis of 2019 and 2021 1-year ACS PUMS (U.S. Census Bureau).

3. Adults who went without care because of cost in the past year: Percent of adults age 18 and older 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 2019 and 2021 BRFSS (CDC, NCCDPHP). In the 2021 survey, BRFSS also introduced a small change to its annual question about whether people avoided seeking care in the past year because of cost concerns. The question changed from “Was there a time in the past 12 months when you needed to see a doctor but could not because of cost?” in years 2020 and earlier to “Was there a time in the past 12 months when you needed to see a doctor but could not because you could not afford it?”; the response set did not change. We do not believe this small change in wording was likely to have altered respondents' understanding of the construct being asked and we decided to continue reporting trend for this indicator. The difference in rates between 2020 and 2021 is modest — it is unknown if the observed differences resulted from the change in the question's wording, were related to respondents' ability to access care throughout the pandemic, or the result of normal year-to-year survey variation.

4. Adults without a usual source of care: Percent of adults age 18 and older who did not have one (or more) person they think of as their personal health care provider. Authors' analysis of 2021 BRFSS (CDC, NCCDPHP). In the 2021 survey, BRFSS introduced a notable change to its annual question about whether people have a provider that they consider to be their usual source of care by specifying that it could be either one person “or a group of doctors.” The change appears to have had a significant impact on survey responses, with respondents much more likely to give an affirmative answer. Because of this impact, we did not include a baseline data year for trend analysis in this report.

5. Individuals with high out-of-pocket medical spending: Percent of individuals residing in households where all residents are under age 65 with out-of-pocket medical spending that equaled 10 percent or more of income, or five percent or more of income if low-income (under 200% of federal poverty level), not including over-the-counter drug costs or health insurance premiums if insured. This measure includes both insured and uninsured individuals.

APPENDIX J. State Scorecard Indicator Descriptions and Source Notes (continued)

Two years of data are combined to ensure adequate sample size for state-level estimation. Dong Ding, Mikaela Springsteen, Ougni Chakraborty, and Sherry Glied, Robert F. Wagner School of Public Service, New York University, analysis of 2017–18 (2016–17 data years), 2019–20 (2018–19 data years) and 2021–22 (2020–21 data years) CPS ASEC (U.S. Census Bureau).

6. Employee total potential out-of-pocket medical costs (premium contribution + deductible) as a share of state median income: We compared the combined amount of employees' average premium contributions and deductibles for their employer-sponsored health insurance plan as a percent of state median household incomes for the under-65 population in each state. Premium contribution and deductible data are originally reported separately for single-person and family plans; we therefore used a weighted average of single and family premium contributions and deductibles compared with single and family median household incomes. Authors' analysis of 2019 and 2021 MEPS-IC (AHRQ) and 2019–20 (2018–19 data years) and 2021–22 (2020–21 data years) CPS ASEC (U.S. Census Bureau).

7. People with medical debt. The share of people with a credit bureau record in each state who have any medical debt in collections, based on a 4 percent nationally representative panel of consumer records from a major credit bureau. Data are from February 2022. Analyzed and reported by the Urban Institute, *Debt in America* (June 2022).

8. Adults without a dental visit in past year: Percent of adults age 18 and older who did not visit a dentist, or dental clinic within the past year. Authors' analysis of 2018 and 2020 BRFSS (CDC, NCCDPHP).

9. Adults with all age- and gender-appropriate cancer screenings: Percent of adults ages 50–74 who received a sigmoidoscopy or colonoscopy in the past 10 years or a fecal occult blood test in the past two years; a mammogram in the past two years (women ages 50–74 only); and a Pap smear in the past three years (women ages 25–64 only). Authors' analysis of 2018 and 2020 BRFSS (CDC, NCCDPHP).

10. Adults with all age-appropriate vaccines: Percent of adults age 18 and older who received a flu shot in the past year and a pneumonia vaccine ever if age 65 and older. Authors' analysis of 2019 and 2021 BRFSS (CDC, NCCDPHP).

11. Adults who are fully vaccinated against COVID-19 and who have a booster dose: Percent of adults age 18 and older who were fully vaccinated against COVID-19 (typically two doses) and had also received at least one original

booster dose by the end of 2022. Authors' analysis using data from [CDC COVID Data Tracker](#).

12. Diabetic adults ages 18–64 without a hemoglobin A1c test: The share of adult diabetic patients ages 18–64 who did not have at least one hemoglobin A1c test during the year (expressed as a rate per 100 employer-insured enrollees). Michael E. Chernew and Andrew Hicks, Harvard Medical School Department of Health Care Policy, analysis of the 2019 and 2021 Merative MarketScan Database.

13. Children ages 19–35 months who did not receive all recommended vaccines: Percent of children ages 19–35 months who did not receive at least 4 doses of diphtheria, tetanus, and acellular pertussis (DTaP/DT/DTP) vaccine; at least 3 doses of poliovirus vaccine; at least 1 dose of measles-containing vaccine (including mumps-rubella (MMR) vaccine); the full series of Haemophilus influenzae type b (Hib) vaccine (3 or 4 doses depending on product type); at least 3 doses of hepatitis B vaccine (HepB); at least 1 dose of varicella vaccine, and at least 4 doses of pneumococcal conjugate vaccine (PCV). Data from the 2019 and 2021 NIS-PUF (CDC, NCIRD).

14. Children with all components of a medical home: Percent of children ages 0–17 who had all of the following, according to parents' reports: a personal doctor or nurse, a usual source for sick and well care, family-centered care, no problems getting needed referrals, and effective care coordination when needed. For more information, see www.childhealthdata.org. Authors' analysis of 2018–19 and 2020–21 NSCH (U.S. Census Bureau & Data Resource Center for Child and Adolescent Health).

15. Children without a medical and dental preventive care visit in the past year: Percent of children ages 0–17 who did not have a preventive medical visit and, if ages 1–17, a preventive dental visit in the past year, according to parents' reports. For more information, see www.childhealthdata.org. Authors' analysis of 2020–21 NSCH (U.S. Census Bureau & Data Resource Center for Child and Adolescent Health).

16. Children who did not receive needed mental health treatment: Percent of children ages 3–17 who had any kind of emotional, developmental, or behavioral problem that required treatment or counseling and who did not receive treatment from a mental health during the past 12 months, according to parents' reports. For more information, see www.childhealthdata.org. Authors' analysis of 2018–19 and 2020–21 NSCH (U.S. Census Bureau & Data Resource Center for Child and Adolescent Health).

17. Adults with any mental illness (AMI) who did not receive treatment: Percent of adults age 18 and older with

APPENDIX J. State Scorecard Indicator Descriptions and Source Notes (continued)

AMI (defined below) who reported they did not receive mental health treatment in the past 12 months. Mental health treatment is defined as receiving treatment or counseling for any problem with emotions, nerves, or mental health in the 12 months prior to the interview in any inpatient or outpatient setting, or the use of prescription medication for treatment of any mental or emotional condition that was not caused by the use of alcohol or drugs. Data are from the 2019–20 NSDUH (SAMHSA), as reported in Mental Health America's 2023 State of Mental Health in America report (www.mhanational.org). Due to the impact of COVID-19 on data collection in 2020, we did not include a baseline data year for trend analysis in this report.

Note: Adults with any mental illness (AMI) is defined as adults age 18 and older who currently or at any time in the past year have had a diagnosable mental, behavioral, or emotional disorder (other than a developmental or substance use disorder) of sufficient duration to meet diagnostic criteria specified within the Diagnostic and Statistical Manual of Mental Disorders, 4th edition, regardless of the level of impairment in carrying out major life activities. AMI was estimated based on a statistical model of a clinical diagnosis and responses to questions on distress, impairment, past year major depressive episode, past year suicidal thoughts, and age. For more information, see: SAMHSA, NSDUH, Methodological Summary and Definitions, <https://www.samhsa.gov/data/report/2019-methodological-summary-and-definitions>.

18. Youth ages 12–17 with a major depressive episode who did not receive mental health services: Percent of adolescents ages 12–17 with a major depressive episode in the past year who did not receive mental health services in the past year, which are defined as specialty mental health services from any of six specific inpatient/residential or outpatient specialty sources for problems with behavior or emotions that were not caused by alcohol or drugs. Data are from the 2019–20 NSDUH (SAMHSA), as reported in Mental Health America's 2023 State of Mental Health in America report (www.mhanational.org). Due to the impact of COVID-19 on data collection in 2020, we did not include a baseline data year for trend analysis in this report.

19. Hospitals with better-than-average patient experience ratings: Percent of hospitals in the state with HCAHPS patient experience summary scores better than the national median. Authors' analysis of 2019 and 2021 HCAHPS as administered to adults discharged from acute care hospitals. Retrieved from 4th Quarter 2021 and 4th quarter 2019 Hospital Compare (CMS).

20. Hospital 30-day mortality: Risk-standardized, all-cause 30-day mortality rates for fee-for-service Medicare patients age 65 and older hospitalized with a principal diagnosis of

heart attack, heart failure, pneumonia or stroke between July 2016 and June 2019, and July 2018 and June 2021. All-cause mortality is defined as death from any cause within 30 days after the index admission, regardless of whether the patient dies while still in the hospital or after discharge. Authors' analysis of Medicare enrollment and claims data as reported in the 4th Quarter 2021 and 4th Quarter 2016 Hospital Compare databases (CMS).

21. Central line–associated bloodstream infections (CLABSI), Standardized Infection Ratio (SIR): All CLABSIs reported to the National Healthcare Safety Network from all applicable hospital locations, including intensive care units, neonatal intensive care units, and wards. The standardized infection ratio compares the observed number of CLABSIs reported by hospitals within the state to the predicted number of infections based on the referent period, adjusting for key risk factors. Data are from the CDC's 2019 and 2021 National and State Healthcare-Associated Infections (HAI) Progress Reports.

22. Nursing home residents with an antipsychotic medication: Percent of long-stay nursing home residents who received an antipsychotic medication, excluding residents with Schizophrenia, Tourette's syndrome, and Huntington's disease. Authors' analysis of 2018 and 2020 MDS (note: data collection range for the 2020 estimate reported here is July 2020 – June 2021). Data retrieved from December 2021 and June 2019 Nursing Home Compare (CMS).

23. Home health patients who got better at walking or moving around: Percent of all home health episodes in which a person improved at walking or moving around compared to a prior assessment. Episodes for which the patient, at start or resumption of care, was able to ambulate independently are excluded. Authors' analysis of 2017 and 2019 OASIS. Data retrieved from 3rd quarter 2020 and 2nd quarter 2018 Home Health Compare (CMS).

24 & 25. Potentially avoidable emergency department (ED) visits: Potentially avoidable ED visits were those that, based on diagnoses recorded during the visit and the health care service the patient received, were considered to be either nonemergent (care was not needed within 12 hours), or emergent (care needed within 12 hours) but that could have been treated safely and effectively in a primary care setting. This definition excludes any ED visit that resulted in an admission, as well as ED visits where the level of care provided in the ED was clinically indicated. This approach uses the New York University Center for Health and Public Service Research emergency department algorithm developed by John Billings, Nina Parikh, and Tod Mijanovich (see: *Emergency Room Use — The New York Story*, Commonwealth Fund, Nov. 2000, www.commonwealthfund.org/publications/issue-briefs/2000/nov/emergency-room-use--the-new-york-story).

APPENDIX J. State Scorecard Indicator Descriptions and Source Notes (continued)

Ages 18–64, per 1,000 employer-insured enrollees:

Michael E. Chernew and Andrew Hicks, Harvard Medical School Department of Health Care Policy, analysis of the 2019 and 2021 Merative MarketScan Database.

Age 65 and older, per 1,000 Medicare beneficiaries:

Angelina Lee and Kevin Neipp, Westat, analysis of 2019 and author's analysis of 2021 LDS 5 percent sample of Medicare claims (CMS). Note that the Medicare–Medicaid dual/non-dual eligible beneficiary stratification for this indicator used in the income disparity section of the report uses point estimates through 2020, supported by Angelina Lee and Kevin Neipp, Westat.

26 & 27. Admissions for ambulatory care–sensitive conditions: Hospital admissions for one of the following eight ambulatory care–sensitive (ACS) conditions: long-term diabetes complications, lower extremity amputation among patients with diabetes, asthma or chronic obstructive pulmonary disease, hypertension, congestive heart failure, dehydration, bacterial pneumonia, and urinary tract infection.

Ages 18–64, per 1,000 employer-insured enrollees:

Michael E. Chernew and Andrew Hicks, Harvard Medical School Department of Health Care Policy, analysis of the 2019 and 2021 Merative MarketScan Database.

Ages 65–74 and older, per 1,000 Medicare beneficiaries: Admissions of fee-for-service Medicare beneficiaries ages 65–74 or age 75 and older (measure reported separately for each age group but combined into a population-weighted average). Total state rates from: Authors' analysis of 2019 and 2021 CCW data, retrieved from the January 2023 CMS Geographic Variation Public Use File (CMS, Office of Information Products and Analytics); rates by beneficiary race/ethnicity and Medicare–Medicaid dual/non-dual eligible status from: Angelina Lee and Kevin Neipp, Westat, analysis of the 2019 and 2020 LDS 5 percent sample of Medicare claims (CMS).

28 & 29. 30-day hospital readmissions: All hospital admissions among patients who were readmitted within 30 days of an acute hospital stay for any cause. A correction was made to account for likely transfers between hospitals.

Ages 18–64, per 1,000 employer-insured enrollees:

Michael E. Chernew and Andrew Hicks, Harvard Medical School Department of Health Care Policy, analysis of the 2019 and 2021 Merative MarketScan Database.

Age 65 and older, per 1,000 Medicare beneficiaries:

Readmissions among fee-for-service Medicare beneficiaries age 65 and older. Total state rates from: Authors' analysis of 2019 and 2021 CCW data, retrieved from the January 2023 CMS Geographic Variation

Public Use File (CMS, Office of Information Products and Analytics); rates by beneficiary race/ethnicity and Medicare–Medicaid dual/non-dual eligible status from: Angelina Lee and Kevin Neipp, Westat, analysis of the 2019 and 2020 LDS 5 percent sample of Medicare claims (CMS).

30. Medicare beneficiaries who received skilled nursing care and who were discharged to the community without dying or being hospitalized for at least 30 days: Share of fee-for-service Medicare beneficiaries with acute hospital discharge and subsequent admission to a skilled nursing facility (SNF) who discharged from the SNF and remained outside any hospital, inpatient rehabilitation facility (IRF), long term acute care hospital (LTAC), or SNF for at least 30 days at the end of 90 days posthospital discharge. This measure is not risk adjusted. Emily Gadbois and Vincent Mor, Brown University, analysis of 2018 and 2020 Medicare enrollment data and MedPAR Claims File (CMS).

31. Home health patients with a hospital admission:

Percent of home health episodes among fee-for-service Medicare beneficiaries during which the patient was admitted to an acute-care hospital. Authors' analysis data from CMS Medicare claims data. Data retrieved from 4th quarter 2020 and 3rd quarter 2018 Home Health Compare (CMS), representing patient experiences in 2019 and 2017.

32. Adults ages 18–50 with low back pain who had an imaging study at diagnosis: The share of employer-insured adults ages 18–50 who had a new primary diagnosis of low back pain with an imaging study (plain x-ray, MRI, or CT scan) within 28 days of the diagnosis (expressed as a rate per 100 enrollees). Enrollees who have a diagnosis for which an imaging study may be clinically appropriate (cancer, recent trauma, IV drug abuse, or neurologic impairment) are excluded. Michael E. Chernew and Andrew Hicks, Harvard Medical School Department of Health Care Policy, analysis of the 2019 and 2021 Merative MarketScan Database.

33. Total employer-sponsored insurance spending per enrollee:

Total spending per enrollee in employer-sponsored insurance plans estimated from a regression model of reimbursed costs for health care services from all sources of payment including the health plan, enrollee, and any third party payers incurred in 2019 and in 2021. Outpatient prescription drug charges are excluded. Enrollees with capitated plans and their associated claims are also excluded. Estimates for each state were adjusted for enrollees' age and sex, the interaction of age and sex, partial year enrollment and regional wage differences. Michael E. Chernew and Andrew Hicks, Harvard Medical School Department of Health Care Policy, analysis of the 2019 and 2021 Merative MarketScan Database.

APPENDIX J. State Scorecard Indicator Descriptions and Source Notes (continued)

34. Total Medicare (Parts A and B) reimbursements per enrollee: Total Medicare fee-for-service reimbursements include payments for both Part A and Part B but exclude Part D (prescription drug costs) and extra CMS payments for graduate medical education and for treating low-income patients. Reimbursements reflect only the age 65 and older Medicare fee-for-service population. Authors' analysis of 2019 and 2021 CCW data, retrieved from the January 2023 CMS Geographic Variation Public Use File (CMS, Office of Information Products and Analytics).

35 & 36. Primary care as a share of total medical spending: Share of health care spending attributed to primary care. We based our approach on the method used by Reid, Damberg, and Friedberg (JAMA 2019) that characterizes a "broad" definition for primary care provider types and a "broad" definition of included services. Under this "broad/broad" definition, we include all professional services billed by physicians, physician assistants, and nurse practitioners in family medicine, internal medicine, general practice, geriatric medicine, and obstetrics and gynecology (this can include child birth for women in the age 18–64 age cohort); hospitalists are excluded.

Ages 18–64, employer-insured enrollees: Percent of each state's total employer-based insurance medical spending on primary care. Michael E. Chernew and Andrew Hicks, Harvard Medical School Department of Health Care Policy, analysis of the 2019 and 2021 Merative MarketScan Database.

Age 65 and older, Medicare beneficiaries: Percent of each state's total Medicare medical spending on primary care. Angelina Lee and Kevin Neipp, Westat, analysis of the 2018 and 2020 LDS 5% sample of Medicare claims (CMS).

37. Deaths before age 75 from health care treatable causes per 100,000 population (age-adjusted): Number of deaths before age 75 per 100,000 population that resulted from causes that can be mainly avoided through timely and effective health care interventions, including secondary prevention and treatment (i.e. after the onset of diseases, to reduce case-fatality). These include causes such as diabetes (50%); heart disease (50%); appendicitis; certain types of cancer; and maternal mortality. Based on the methodology and categories developed by the Organization for Economic Co-operation and Development (OECD) and Eurostat, as published in *Avoidable mortality: OECD/Eurostat lists of preventable and treatable causes of death (January 2022 version)* – see link for full list of all causes contributing to the measure.

Authors' analysis of mortality data from CDC restricted-use Multiple Cause-of-Death file (NCHS) and U.S. Census Bureau population data, 2018–2019 and 2020–2021.

38. Deaths before age 75 from preventable causes per 100,000 population (age-adjusted): Number of deaths before age 75 per 100,000 population that resulted from causes that can be mainly avoided through effective public health and primary prevention interventions (i.e. before the onset of diseases/injuries, to reduce incidence). These include deaths from COVID-19 as well as causes such as measles, HIV/AIDS, and other infectious diseases; certain preventable cancers; personal injuries; and alcohol- and drug-related mortality. Based on the methodology and categories developed by the Organization for Economic Co-operation and Development (OECD) and Eurostat, as published in *Avoidable mortality: OECD/Eurostat lists of preventable and treatable causes of death (January 2022 version)* – see link for full list of all causes contributing to the measure.

Authors' analysis of mortality data from CDC restricted-use Multiple Cause-of-Death file (NCHS) and U.S. Census Bureau population data, 2018–2019 and 2020–2021.

39. Drug poisoning deaths per 100,000 population (age-adjusted): Authors' analysis of NVSS-M, 2019 and 2021 (NCHS), retrieved using CDC WONDER.

40. Suicide deaths per 100,000 population (age-adjusted): Authors' analysis of NVSS-M, 2019 and 2021 (NCHS), retrieved using CDC WONDER.

41. Alcohol-related deaths per 100,000 population (age-adjusted): Authors' analysis of NVSS-M, 2019 and 2021 (NCHS), retrieved using CDC WONDER.

42. Adults who report fair/poor health: Percent of adults ages 18–64 who reported being in fair or poor health. Authors' analysis of 2019 and 2021 BRFSS (CDC, NCCDPHP).

43. Adults who smoke: Percent of adults age 18 and older who ever smoked 100 or more cigarettes (five packs) and currently smoke every day or some days. Authors' analysis of 2019 and 2021 BRFSS (CDC, NCCDPHP).

44. Adults who are obese: Percent of adults ages 18–64 who are obese (Body Mass Index [BMI] \geq 30). BMI was calculated based on reported height and weight. Authors' analysis of 2019 and 2021 BRFSS (CDC, NCCDPHP).

45. Children who are overweight or obese: Children ages 10–17 who are overweight or obese (BMI \geq 85th percentile). Overweight is defined as an age- and gender-specific body mass index (BMI-for-age) between the 85th and 94th percentile of the CDC growth charts. Obese is defined as a BMI-for-age at or above the 95th percentile. BMI was calculated based on parent-reported height and weight. For more information, see www.nschdata.org. Authors' analysis of 2018–19 and 2020–21 NSCH (U.S. Census Bureau & Data Resource Center for Child and Adolescent Health).

APPENDIX J. State Scorecard Indicator Descriptions and Source Notes (continued)

46. Adults who have lost six or more teeth: Percent of adults ages 18–64 who have lost 6 or more teeth due to tooth decay, infection, or gum disease. Authors' analysis of 2019 and 2021 BRFSS (CDC, NCCDPHP).

47. Maternal deaths while pregnant or within 42 days of termination of pregnancy, per 100,000 live births: 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, 2019–21 (NCHS); and NVSS-N, 2019–21 (NCHS), retrieved using CDC WONDER. Maternal mortality rates for Alaska, Delaware, D.C., Maine, New Hampshire, Rhode Island, Vermont, and Wyoming could not be calculated because of CDC suppression standards for small numbers of deaths (<10).

48. Severe maternal morbidity (SMM) rate per 10,000 in-hospital deliveries: Among in-hospital deliveries for female patients ages 12–55, the rate of hospital discharge records that include a diagnosis or procedure code that indicates severe maternal morbidity. Based on HCUP-AHRQ analysis of 2018 and 2020 data from the HCUP State Inpatient Databases. HCUP's full state data charts, methodology/SMM clinical coding definition, and additional notes can be found on the [HCUP Fast Stats website](#) (Dec. 2022). 2020 rates not available for Alabama, Idaho, and New Hampshire.

49. Infant mortality, deaths per 1,000 live births: Authors' analysis of NVSS-I, 2018 and 2020 (NCHS), retrieved using CDC WONDER.

50. Share of births born preterm, prior to 37 weeks of pregnancy (gestation): 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, 2019 and 2021 (NCHS), retrieved using CDC WONDER.

51. Breast and cervical cancer deaths per 100,000 female population (age-adjusted): Authors' analysis of NVSS-M, 2019 and 2021 (NCHS), retrieved using CDC WONDER.

52. All-cause mortality rate per 100,000 women ages 15–44 (age-adjusted): Authors' analysis of NVSS-M, 2019 and 2021 (NCHS), retrieved using CDC WONDER.

53. Share of in-hospital births with a self-pay insurance payment source: 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, 2019 and 2021 (NCHS), retrieved using CDC WONDER.

54. 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 2021 BRFSS (CDC, NCCDPHP). In the 2021 survey, BRFSS introduced a notable change to its annual question about whether people have a provider that they consider to be their usual source of care by specifying that it could be either one person “or a group of doctors.” The change appears to have had a significant impact on survey responses, with respondents much more likely to give an affirmative answer. Because of this impact, we did not include a baseline data year for trend analysis in this report.

55. 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 2019 and 2021 BRFSS (CDC, NCCDPHP).

56. Share of births not beginning prenatal care in first trimester: Percent of live births where prenatal care did not begin during the 1st to 3rd month of pregnancy, among birth records that specified a time period for when prenatal care began. Authors' analysis of NVSS-N, 2019 and 2021 (NCHS), retrieved using CDC WONDER.

57. Share of women with a recent live birth who did not report having a postpartum checkup visit: Percent of women with a recent live birth who did not report receiving a maternal postpartum checkup visit. Analysis of PRAMS, 2018 and 2020, by CDC's Division of Reproductive Health. PRAMS defines a postpartum checkup visit as “the regular checkup a woman has about 4–6 weeks after she gives birth.” Indiana, Nevada, North Carolina, Oklahoma, Rhode Island, South Carolina, and Texas participated in the 2020 PRAMS but did not meet the CDC's 50% response rate requirement in 2020. California and Idaho do not participate in PRAMS, while Ohio conducts and reports its own survey using the PRAMS core questionnaire and is included. PRAMS methodology and data releases can be found at: <https://www.cdc.gov/prams/about/prams-faq.htm>.

58. Women with up-to-date breast and cervical cancer screenings: Percent of women ages 50–74 with a mammogram in the past two years, and women ages 25–64 with a Pap smear in the past three years. Authors' analysis of 2018 and 2020 BRFSS (CDC, NCCDPHP).

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