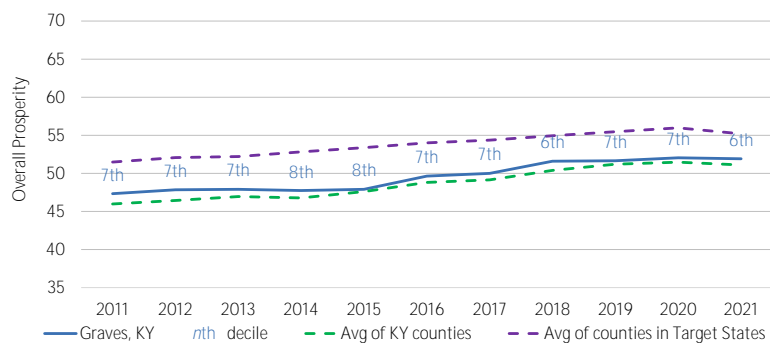# Graves, KY: Overall Prosperity 51.9 (6th decile*)

Prosperity over time

Chart: Overall Prosperity over time (2011–2021)
Legend: Graves, KY (solid blue) — *nth* decile — Avg of KY counties (green dashed) — Avg of counties in Target States (purple dashed)
Decile labels along Graves line: 7th, 7th, 7th, 8th, 8th, 7th, 7th, 6th, 7th, 7th, 6th

Radar chart categories: Safety and Security, Personal Freedom, Governance, Social Capital, Business Environment, Infrastructure, Economic Quality, Living Conditions, Health, Education, Natural Environment

Breakdown of performance

	2011	Score 10-year trend	2021	Deciles - US Counties (1 to 10) 2021	10-year decile change	Ranks - KY (1 to 120) 2021
Overall Prosperity	47.3		51.9	6	▲ 1	36
Inclusive Societies	50.5		54.4	6	–	102
Safety and Security	69.2		58.9	7	▼ 2	99
Personal Freedom	49.4		54.4	5	–	2
Governance	36.4		55.6	4	▲ 4	1
Social Capital	47.2		48.8	5	–	66
Open Economies	42.0		47.9	7	▲ 1	21
Business Environment	39.6		42.0	7	▲ 1	45
Infrastructure	54.0		56.6	2	▲ 1	15
Economic Quality	32.4		44.9	10	–	54
Empowered People	49.4		53.4	6	–	28
Living Conditions	59.0		67.4	4	▲ 1	24
Health	40.8		43.4	9	–	57
Education	51.2		54.7	4	–	22
Natural Environment	46.7		48.2	8	▲ 1	97

* The 1,196 counties in the 12 states have been grouped into deciles, for each pillar, element and indicator. Counties in the 1st decile are the strongest performers and those in the 10th decile are the weakest
** There is no county variation in Governance, all counties have been given the state score value

Safety and Security

Element	Weight	2011	10-yr trend	2021	Decile 2021	10-yr decile chng.	KY Rank 2021
Safety and Security		69.2		58.9	7	▼ 2	99
Mass Killings and Injuries	15%	100.0		100.0	1	▬ -	1
Violent Crime	50%	69.9		54.5	7	▼ 2	101
Property Crime	35%	54.9		47.8	6	▼ 2	98

Personal Freedom

Element	Weight	2011	10-yr trend	2021	Decile 2021	10-yr decile chng.	KY Rank 2021
Personal Freedom		49.4		54.4	5	▬ -	2
Agency	30%	64.7		61.8	4	▬ -	1
Freedom of Association and Speech	15%	40.0		40.0	3	▲ 2	1
Absence of Legal Discrimination	25%	27.6		47.6	4	▲ 1	1
Social Tolerance	30%	57.1		59.9	8	▼ 2	2

Governance

Element	Weight	2011	10-yr trend	2021	Decile 2021	10-yr decile chng.	KY Rank 2021
Governance		36.4		55.6	4	▲ 4	1
Political Accountability	30%	36.3		51.9	9	▬ -	1
Rule of Law	35%	26.5		64.0	2	▲ 6	1
Government Integrity	35%	46.4		50.4	5	▲ 3	1

Social Capital

Element	Weight	2011	10-yr trend	2021	Decile 2021	10-yr decile chng.	KY Rank 2021
Social Capital		47.2		48.8	5	▬ -	66
Personal and Family Relationships	25%	48.2		55.1	9	▼ 2	62
Social Networks	25%	48.8		50.2	4	▬ -	7
Institutional Trust	20%	65.2		65.2	2	▬ -	5
Civic and Social Participation	30%	33.0		31.4	9	▼ 1	70

Business Environment

Element	Weight	2011	10-yr trend	2021	Decile 2021	10-yr decile chng.	KY Rank 2021
Business Environment		39.6		42.0	7	▲ 1	45
Financing Ecosystems	40%	25.9		27.5	7	▼ 1	45
Domestic Market Contestability	30%	48.6		47.2	8	▬ -	1
Burden of Regulation	10%	14.6		18.4	10	▬ -	1
Labor Market Flexibility	10%	70.9		67.6	5	▬ -	1
Price Distortions	10%	61.5		82.9	2	▲ 4	1

Infrastructure

Element	Weight	2011	10-yr trend	2021	Decile 2021	10-yr decile chng.	KY Rank 2021
Infrastructure		54.0		56.6	2	▲ 1	15
Communications	40%	66.9		66.9	1	▬ -	16
Resources	25%	39.1		48.5	8	▲ 1	83
Transport	35%	49.8		50.6	6	▬ -	36

Economic Quality

Element	Weight	2011	10-yr trend	2021	Decile 2021	10-yr decile chng.	KY Rank 2021
Economic Quality		32.4		44.9	10	▬ -	54
Fiscal Sustainability	25%	31.2		34.3	10	▼ 1	38
Productivity and Competitiveness	25%	34.1		41.3	9	▬ -	57
Dynamism	20%	33.4		45.3	8	▲ 1	58
Labor Force Engagement	30%	31.2		56.5	4	▲ 3	51

Living Conditions

Element	Weight	2011	10-yr trend	2021	Decile 2021	10-yr decile chng.	KY Rank 2021
Living Conditions		59.0		67.4	4	▲ 1	24
Material Resources	25%	52.9		50.0	9	▼ 2	53
Nutrition	15%	41.5		52.4	8	▼ 2	43
Water Services	15%	82.8		87.8	3	▲ 1	29
Shelter	15%	65.9		79.1	1	▲ 2	12
Connectedness	15%	67.5		78.9	5	▼ 1	36
Protection from Harm	15%	47.6		67.8	4	▲ 4	11

Health

Element	Weight	2011	10-yr trend	2021	Decile 2021	10-yr decile chng.	KY Rank 2021
Health		40.8		43.4	9	▬ -	57
Behavioral Risk Factors	15%	35.6		44.7	9	▲ 1	38
Preventative Interventions	15%	38.4		52.7	5	▲ 2	24
Care Systems	15%	32.0		47.3	7	▼ 1	105
Mental Health	15%	51.1		38.1	10	▼ 1	41
Physical Health	20%	32.6		27.9	9	▲ 1	45
Longevity	20%	53.7		51.8	8	▼ 1	53

Education

Element	Weight	2011	10-yr trend	2021	Decile 2021	10-yr decile chng.	KY Rank 2021
Education		51.2		54.7	4	▬ -	22
Pre-Primary Education	5%	62.8		59.4	3	▬ -	25
Primary Education	20%	73.1		77.0	1	▬ -	5
Secondary Education	25%	67.7		65.9	5	▼ 2	56
Tertiary Education	25%	33.3		33.4	9	▼ 1	45
Adult Skills	25%	33.0		45.9	6	▲ 1	32

Natural Environment

Element	Weight	2011	10-yr trend	2021	Decile 2021	10-yr decile chng.	KY Rank 2021
Natural Environment		46.7		48.2	8	▲ 1	97
Emissions	25%	57.4		58.4	2	▬ -	17
Exposure to Air Pollution	25%	63.1		61.1	7	▼ 1	59
Forest, Land and Soil	20%	31.8		40.9	8	▲ 1	90
Freshwater	20%	48.5		48.4	10	▬ -	111
Preservation Efforts	10%	5.0		5.0	6	▬ -	1

* The 1,196 counties in the 12 states have been grouped into deciles, for each pillar, element and indicator. Counties in the 1st decile are the strongest performers and those in the 10th decile are the weakest
** There is no county variation in Governance, all counties have been given the state score value

Italics: Indicator contains imputed values

Mass Killings and Injuries (1st)	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
			15%	100.0		100.0	1	1
Mass shooting deaths	GVA	deaths /1,000,000 population	1.5	0.0		0.0	1	1
Mass shooting injuries	GVA	injuries /1,000,000 population	1.0	0.0		0.0	1	1
Terrorism deaths	GTD	deaths /1,000,000 population	1.0	0.0000		0.0000	1	1
Terrorism injuries	GTD	injuries /1,000,000 population	0.5	0.0000		0.0000	1	1
Terrorism events	GTD	events /1,000,000 population	0.5	0.0		0.0	1	1

Violent Crime (7th)	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
			50%	69.9		54.5	5	7
Murder	NACJD	deaths /100,000 population	1.5	0.0		2.7	1	7
Rape	NACJD	incidents /100,000 population	1.0	31.9		48.3	8	8
Aggravated assaults	NACJD	assaults /100,000 population	1.0	98.5		69.8	4	4
Robbery	NACJD	incidents /100,000 population	0.5	13.3		32.2	5	8

Property Crime (6th)	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
			35%	54.9		47.8	4	6
Burglary	NACJD	incidents /100,000 population	1.5	407.3		493.7	5	7
Motor vehicle theft	NACJD	incidents /100,000 population	0.5	82.5		112.7	5	7
Larceny theft	NACJD	incidents /100,000 population	1.0	748.0		1,006.3	3	5
Identity theft	*FTC*	*reports /100,000 population*	*0.5*	*168.3*		*168.3*	*5*	*3*

* The 1,196 counties in the 12 states have been grouped into deciles, for each pillar, element and indicator. Counties in the 1st decile are the strongest performers and those in the 10th decile are the weakest

Italics: Indicator contains imputed values

Agency (4th) — Weight 30% — 2011: 64.7, 2021: 61.8, US Counties Decile 2011: 4, 2021: 4

Indicator	Source	Unit	Weight	2011	10-yr trend	2021	Decile 2011	Decile 2021
Fatal police shootings of unarmed civilians	WaPo	deaths /100,000 population	1.0	0.0		0.0	1	1
Statewide death row population	NAACP	number /100,000 population	1.0	0.80		0.69	4	6
Statewide adult incarceration	BJS	number /100,000 adult population	1.0	950.0		1,080.0	5	8
Statewide youth incarceration	CJRP	prisoners /100,000 youth population	0.5	93.4		47.2	5	6
Statewide trafficking	POL	reports /100,000 population	1.0	2.7		3.0	2	2

Freedom of Association and Speech (3rd) — Weight 15% — 2011: 40.0, 2021: 40.0, US Counties Decile 2011: 5, 2021: 3

Indicator	Source	Unit	Weight	2011	10-yr trend	2021	Decile 2011	Decile 2021
Statewide free speech in public places	Cato	coding, 0-3	1.0	0.0		0.0	2	2
Statewide right-to-work	NCSL	coding, 0-1	0.5	0.0		1.0	7	1
Statewide press suppression	USPFT	number /100,000 state population	0.5	0.000		0.313	1	7
Statewide invasive cell phone surveillance	ACLU	coding, 0-1	0.5	0.0		0.0	1	1

Absence of Legal Discrimination (4th) — Weight 25% — 2011: 27.6, 2021: 47.6, US Counties Decile 2011: 5, 2021: 4

Indicator	Source	Unit	Weight	2011	10-yr trend	2021	Decile 2011	Decile 2021
Statewide religious freedom restoration act enacted	Cato	coding, 0-1	1.0	0.0		0.8	4	1
Statewide employment anti-discrimination law	Cato	coding, 0-1	1.0	1.0		1.0	1	1
Statewide government discrimination based on sex prohibited	Cato	coding, 0-1	1.0	0.0		0.0	4	4
Statewide affirmative action in public services banned	Cato	coding, 0-2	0.5	0.0		0.0	2	3
Statewide LGBT relationships & parenthood recognition	MAP	coding, 0-9	0.5	2.0		4.3	3	3
Statewide LGBT non-discrimination laws	MAP	coding, 0-11	0.5	2.5		2.5	4	5

Social Tolerance (8th) — Weight 30% — 2011: 57.1, 2021: 59.9, US Counties Decile 2011: 6, 2021: 8

Indicator	Source	Unit	Weight	2011	10-yr trend	2021	Decile 2011	Decile 2021
Hate group concentration	SPLC	number /100,000 population	1.0	0.0		0.0	1	1
Ethnic slur google traffic	*Google*	*index, 0-100*	*1.0*	*37.2*		*37.2*	*9*	*9*
Statewide same sex marriage support	PRRI	percentage	0.5	40.0		48.0	10	10
Statewide LGBT non-discrimination law support	PRRI	percentage	0.5	63.0		64.0	9	8

* The 1,196 counties in the 12 states have been grouped into deciles, for each pillar, element and indicator. Counties in the 1st decile are the strongest performers and those in the 10th decile are the weakest

Italics: Indicator contains imputed values

Political Accountability (9th)

	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
Political Accountability (9th)			**30%**	36.3		51.9	9	9
Statewide Elections Performance Index	MIT	index score, 0-1	1.5	0.62		0.71	8	4
Statewide gender balance in legislatures	CAWP	percentage	0.5	18.8		26.8	9	6
Statewide state campaign disclosure	NIMP	index, 0-1	1.0	0.5		0.7	5	9
Statewide term limits	NCSL	coding, 0-1	0.5	0.0		0.0	4	4

Rule of Law (2nd)

	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
Rule of Law (2nd)			**35%**	26.5		64.0	8	2
Statewide Justice Index	NCAJ	index rank 1-51	1.5	50.0		25.0	9	3
Statewide judicial integrity	ATRF	coding, 0-1	0.5	0.0		0.0	1	1

Government Integrity (5th)

	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
Government Integrity (5th)			**35%**	46.4		50.4	8	5
Statewide legal corruption perceptions	ICS	expert survey, 3-15	1.0	13.0		13.0	10	10
Statewide illegal corruption perceptions	ICS	expert survey, 3-15	1.0	9.5		11.0	9	10
Statewide Corruption Reflection Index	ICS	index score, 0-1	0.5	0.2584		0.0797	3	1
Statewide State Integrity Investigation	CPI	index rank, 1-50	1.0	19.0		9.0	3	1
Statewide public record request compliance	Cuillier	percentage	1.0	38.2		38.2	7	7
Statewide Online Spending Transparency Index	USPIRG	index score, 0-100	0.5	83.0		85.0	6	2

* The 1,196 counties in the 12 states have been grouped into deciles, for each pillar, element and indicator. Counties in the 1st decile are the strongest performers and those in the 10th decile are the weakest
** There is no county variation in Governance, all counties have been given the state score value

Graves, KY: Social Capital (5th decile*): Element and indicator scores

Personal and Family Relationships (9th) — Weight 25%

Indicator	Source	Unit	Weight	2011	10-yr trend	2021	US Counties Decile 2011	US Counties Decile 2021
Personal and Family Relationships (9th)			**25%**	48.2		55.1	7	9
Statewide divorce	CDC	instances, /1,000 population	1.0	4.6		3.4	9	8
Children in unmarried households	Census	percentage	1.0	18.6		29.0	2	6
Teen births	CDC	instances /1,000 female 15-19 population	1.0	57.6		38.8	7	9
Statewide parent's attendance of children's activities	NSCH	percentage	0.5	88.7		95.1	10	5
Shared meals with household members	*0*	*percentage*	*0.5*	*82.3*		*82.3*	*9*	*9*
Frequently hear from family and friends	*0*	*percentage*	*1.0*	*84.3*		*84.3*	*6*	*6*
Close friends	*0*	*average*	*1.0*	*5.7*		*5.7*	*7*	*7*

Social Networks (4th) — Weight 25%

Indicator	Source	Unit	Weight	2011	10-yr trend	2021	US Counties Decile 2011	US Counties Decile 2021
Social Networks (4th)			**25%**	48.8		50.2	4	4
Favors between neighbors	*0*	*percentage*	*1.0*	*43.3*		*43.3*	*1*	*1*
Frequently talk with neighbors	*0*	*percentage*	*1.0*	*57.0*		*57.0*	*5*	*4*
Trust in people in neighborhood	*0*	*percentage*	*1.5*	*52.8*		*52.8*	*6*	*6*
Statewide supportive neighborhood for a child	NSCH	percentage	1.0	57.3		59.0	4	3
Statewide trust in people	ANES	coding, 0-1	0.5	0.5		0.5	4	4

Institutional Trust (2nd) — Weight 20%

Indicator	Source	Unit	Weight	2011	10-yr trend	2021	US Counties Decile 2011	US Counties Decile 2021
Institutional Trust (2nd)			**20%**	65.2		65.2	2	2
Confidence in corporations	*0*	*percentage*	*1.0*	*72.9*		*72.9*	*1*	*2*
Confidence in the media	*0*	*percentage*	*1.0*	*56.5*		*56.5*	*5*	*4*
Statewide trust in federal government	ANES	coding, 0-1	0.5	0.4		0.4	8	8

Civic and Social Participation (9th) — Weight 30%

Indicator	Source	Unit	Weight	2011	10-yr trend	2021	US Counties Decile 2011	US Counties Decile 2021
Civic and Social Participation (9th)			**30%**	33.0		31.4	8	9
Statewide volunteer rate	Census	instances, /1,000 population	1.0	0.30		0.28	7	8
Statewide volunteering intensity	CNCS	hours, per capita	0.5	30.0		20.7	7	10
Statewide volunteering intensity (microdata)	Census	hours, per capita	0.5	28.8		62.3	8	5
Statewide active in neighborhood	Census	percentage	1.0	20.0		17.5	9	10
Statewide helping the community	CNCS	instances, /1,000	0.5	2.41		1.90	3	5
Statewide helping the community (microdata)	Census	percentage	0.5	1.7		8.9	1	1
(Non-religious) membership organizations	Census	number /1,000 population	1.0	0.215		0.134	8	9
Religious membership organizations	USRC	number /1,000 population	0.5	3.0		3.0	3	3
Religious organization participation	*0*	*percentage*	*0.5*	*25.4*		*25.4*	*2*	*2*
Sport or recreation organization participation	*0*	*percentage*	*0.5*	*12.9*		*12.9*	*2*	*2*
School, neighborhood or community association participation	*0*	*percentage*	*0.5*	*9.0*		*9.0*	*9*	*9*

Italics: Indicator contains imputed values

Financing Ecosystems (7th)	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
Financing Ecosystems (7th)			**40%**	25.9		27.5	6	7
Venture capital invested	NVCA	$ /capita	1.0	10.1		39.5	6	5
Number of venture capital deals	NVCA	number /1,000,000	1.0	2.8		3.5	6	6
Assets under management	NVCA	$ /capita	1.0	26.4		4.4	6	8
Venture capital fundraising	NVCA	$ /capita	1.0	0.0		0.0	6	6
New foreign direct investment	BEA	$ /capita	1.0	89.4		88.9	7	8
Bank branch access	FDIC	number /square mile	1.5	0.018		0.022	4	4

Domestic Market Contestability (8th)	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
Domestic Market Contestability (8th)			**30%**	48.6		47.2	8	8
Statewide low-income licensed occupations	Inst Just	number	1.5	37.0		37.0	2	2
Statewide occupational licensing training cost	Inst Just	$	1.0	240.0		240.0	5	5
Statewide occupational licensing training time	Inst Just	days	1.0	466.0		466.0	8	8
Statewide age requirements for license	Inst Just	years	1.0	13.0		13.0	8	8
Statewide regulation density index	Cato	index score	1.0	0.000		-0.006	4	5

Burden of Regulation (10th)	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
Burden of Regulation (10th)			**10%**	14.6		18.4	10	10
Statewide Federal Regulation and State Enterprise Index	QuantGov	index score	1.0	1.23		1.19	8	8
Statewide state regulation	QuantGov	percent	1.0	1.916		1.903	10	10

Labor Market Flexibility (5th)	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
Labor Market Flexibility (5th)			**10%**	70.9		67.6	5	5
Statewide collective bargaining agreement coverage	FI	percent	1.0	9.6		11.4	6	7
Statewide employee health insurance cost	HJK	$	0.5	4,042.0		4,910.0	2	1
Workers Compensation Premium Rate	State OR	$ per $100	0.5	2.3		0.8	5	3
Statewide minimum wage	DOL	$	1.0	7.3		7.3	3	2

Price Distortions (2nd)	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
Price Distortions (2nd)			**10%**	61.5		82.9	6	2
Statewide subsidies to the private sector	BEA	percent	1.0	0.17		0.10	6	6
Statewide Corporate Tax Score	Tax Found	index score	1.0	5.11		5.45	5	4

* The 1,196 counties in the 12 states have been grouped into deciles, for each pillar, element and indicator. Counties in the 1st decile are the strongest performers and those in the 10th decile are the weakest

Italics: Indicator contains imputed values

Communications (1st)	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
Communications (1st)			**40%**	66.9		66.9	1	1
Mean download speed	BBN	Mbps	1.5	141.8		141.8	1	1
Ultra-fast internet access	BBN	percent	1.0	53.9		53.9	3	3
Fast internet access	BBN	percent	1.0	94.9		94.9	4	4
Internet providers (Business)	FCC	number	0.5	1.0		1.0	3	3

Resources (8th)	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
Resources (8th)			**25%**	39.1		48.5	9	8
Customers affected by electricity outages	Mukherjee	number /10,000 population	0.5	0.11		0.00	7	1
Statewide net electricity generation	EIA	kWh /capita	1.0	0.0207		0.0159	1	5
Water usage	USGS	Mgal /capita	1.0	0.088		0.100	7	7
Electricity outage duration	EIA	minutes	1.0	148.0		121.2	10	6
Electricity outage frequency	EIA	per year	1.0	1.58		1.54	10	9

Transport (6th)	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
Transport (6th)			**35%**	49.8		50.6	6	6
Statewide number of airports	BTS	number /square mile	0.5	0.0		0.0	6	6
Road condition	BTS	percent	1.5	5.0		5.0	9	9
Statewide railroad length	AAR	miles /square mile	1.0	0.1		0.1	3	3
Bus transit route mileage	BTS	miles /square mile	0.5	0.1		0.1	5	5
Public road density	BTS	miles /square mile	1.0	0.5		0.5	4	4
Bridge condition	BTS	percent	0.5	9.11		6.44	8	7
Distance to airport	BTS	km	1.0	39.0		39.0	3	3

* The 1,196 counties in the 12 states have been grouped into deciles, for each pillar, element and indicator. Counties in the 1st decile are the strongest performers and those in the 10th decile are the weakest

Italics: Indicator contains imputed values

Fiscal Sustainability (10th) — Weight 25% — 2011: 31.2, 2021: 34.3, Decile 2011: 9, 2021: 10

Indicator	Source	Unit	Weight	2011	Value 10-yr trend	2021	Decile 2011	Decile 2021
Statewide government credit rating	Ballotpedia	rating	0.5	5.0		3.0	9	10
Statewide state reserves capacity	0	days	1.0	3.5		12.6	9	10
Government revenue to expenditure ratio	Census	ratio	1.0	0.96		1.04	8	4
Statewide state budget balance	0	$ /capita	1.0	-493.9		-319.2	1	8
Statewide state pension funding	FR	percent	1.0	41.0		32.6	10	10
Debt-to-GDP ratio	*Census*	*percent*	*1.0*	*0.20*		*0.29*	*3*	*3*

Productivity and Competitiveness (9th) — Weight 25% — 2011: 34.1, 2021: 41.3, Decile 2011: 9, 2021: 9

Indicator	Source	Unit	Weight	2011	Value 10-yr trend	2021	Decile 2011	Decile 2021
Export value (goods)	BIEM	$ /capita	1.0	3,732.2		3,799.6	5	6
Export value (services)	BIEM	$ /capita	0.5	568.0		572.1	7	8
Labor productivity	BLS	$ per hour	1.5	47.5		52.4	10	9

Dynamism (8th) — Weight 20% — 2011: 33.4, 2021: 45.3, Decile 2011: 9, 2021: 8

Indicator	Source	Unit	Weight	2011	Value 10-yr trend	2021	Decile 2011	Decile 2021
Startup concentration	Kauffman	number /1,000 businesses	0.5	87.4		76.3	8	6
Startup early job creation	Kauffman	number /1,000 population	1.0	4.04		4.06	8	8
Startup early survival rate	Kauffman	percent	0.5	77.0		79.8	6	3
Opportunity-driven startups	*Kauffman*	*percent*	*1.0*	*58.7*		*79.4*	*9*	*8*
Rate of new entrepreneurs	*Kauffman*	*number /100,000 population*	*1.5*	*285.6*		*351.2*	*7*	*6*
Patent applications	USPTO	number /1,000	1.0	0.0		26.8	7	7

Labor Force Engagement (4th) — Weight 30% — 2011: 31.2, 2021: 56.5, Decile 2011: 7, 2021: 4

Indicator	Source	Unit	Weight	2011	Value 10-yr trend	2021	Decile 2011	Decile 2021
Unemployment	BLS	percent	1.0	9.5		5.9	7	5
Youth unemployment	Census	percent	1.0	25.1		16.8	9	8
Employee Engagement	Gallup	percent	0.5	32.0		37.0	3	1
Statewide underemployment	BLS	percent	1.0	5.0		2.8	3	1
Labor force participation	Census	percent	1.5	57.4		57.0	8	7

Graves, KY: Living Conditions (4th decile*): Element and indicator scores

Material Resources (9th) — Weight 25%

Indicator	Source	Unit	Weight	Value 2011	Value 2021	US Counties Decile 2011	US Counties Decile 2021
Material Resources (9th)			**25%**	52.9	50.0	7	9
Low income	Census	percentage	1.0	30.8	31.7	7	8
Poverty	Census	percentage	1.0	20.5	19.6	8	8
Deep poverty	Census	percentage	1.0	7.84	6.57	8	6
Liquid asset poverty	Pros Now	percentage	1.0	40.1	40.1	7	7
Statewide high risk loans	Talk Pov	percentage	1.0	8.9	11.4	7	10

Nutrition (8th) — Weight 15%

Indicator	Source	Unit	Weight	Value 2011	Value 2021	US Counties Decile 2011	US Counties Decile 2021
Nutrition (8th)			**15%**	41.5	52.4	6	8
Food security	FA	percentage	1.0	83.0	85.5	6	7
Statewide borderline food security	USDA	percentage	1.0	95.0	95.2	3	7
Fruit consumption	*BRFSS*	*percentage*	*0.5*	*53.32*	*53.30*	*9*	*9*
Vegetable consumption	*BRFSS*	*percentage*	*0.5*	*73.7*	*80.7*	*9*	*3*

Water Services (3rd) — Weight 15%

Indicator	Source	Unit	Weight	Value 2011	Value 2021	US Counties Decile 2011	US Counties Decile 2021
Water Services (3rd)			**15%**	82.8	87.8	4	3
Statewide clean and safe water	0	percentage	0.5	93.3	94.6	9	5
Public drinking water violations	CHR	Score, 0 or 1	1.0	0.0	0.0	1	1
Complete kitchen and plumbing facilities	HUD	percentage	1.0	99.02	99.34	6	3

Shelter (1st) — Weight 15%

Indicator	Source	Unit	Weight	Value 2011	Value 2021	US Counties Decile 2011	US Counties Decile 2021
Shelter (1st)			**15%**	65.9	79.1	3	1
Homelessness	HUD	number / 10,000 population	0.5	9.7	6.6	3	5
Unsheltered homeless rate	HUD	percentage	0.5	15.3	29.3	3	4
Households with overcrowding	HUD	percentage	1.0	1.65	2.13	5	5
Availability of affordable housing	UI	units / 100 extremely low income tenants	1.0	22.4	61.5	4	1

Connectedness (5th) — Weight 15%

Indicator	Source	Unit	Unit/Weight	Value 2011	Value 2021	US Counties Decile 2011	US Counties Decile 2021
Connectedness (5th)			**15%**	67.5	78.9	4	5
Access to broadband	FCC	percentage	1.5	95.2	95.2	3	4
Households with a smartphone	Census	percentage	1.0	58.6	70.7	7	7

Protection from Harm (4th) — Weight 15%

Indicator	Source	Unit	Weight	Value 2011	Value 2021	US Counties Decile 2011	US Counties Decile 2021
Protection from Harm (4th)			**15%**	47.6	67.8	8	4
Fatalities from unintentional injuries	CDC	number / 100,000 population	1.0	24.5	13.9	9	2
Traffic deaths	*CDC*	*number / 100,000 population*	*1.0*	*22.2*	*18.8*	*6*	*6*

Italics: Indicator contains imputed values

Behavioral Risk Factors (9th) — Weight 15%

	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
Behavioral Risk Factors (9th)			**15%**	35.6		44.7	10	9
Obesity	CDC	percentage	1.0	33.6		33.9	10	6
Smoking	CHR	percentage	1.5	30.3		25.2	10	9
Alcohol use disorder	DUH Nat Srvy	percentage	0.5	5.6		4.0	2	1
Illicit drug use disorder	DUH Nat Srvy	percentage	0.5	2.44		2.81	6	7
Pain reliever misuse	DUH Nat Srvy	percentage	0.5	4.5		4.5	9	9

Preventative Interventions (5th) — Weight 15%

	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
Preventative Interventions (5th)			**15%**	38.4		52.7	7	5
Adult dentist visits	*BRFSS*	*percentage*	*0.5*	*60.4*		*59.7*	*6*	*7*
Adult doctor visits	*BRFSS*	*percentage*	*0.5*	*67.8*		*78.1*	*6*	*1*
Colorectal cancer screening	*BRFSS*	*percentage*	*0.5*	*65.3*		*68.0*	*6*	*6*
Statewide child medical visits	NSCH	percentage	0.5	88.1		77.1	3	1
Statewide HPV immunizations	NCIRD	percentage	1.0	34.0		54.9	7	5
Pap smear test	*BRFSS*	*percentage*	*0.5*	*80.5*		*78.8*	*6*	*4*
Statewide child immunization	NCIRD	percentage	1.0	51.8		71.0	7	3
Statewide child dentist visits	NSCH	percentage	0.5	80.6		79.6	5	5

Care Systems (7th) — Weight 15%

	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
Care Systems (7th)			**15%**	32.0		47.3	6	7
Statewide child mental health access	NSCH	percentage	1.0	31.4		38.6	2	4
Adults with no health care coverage	CHR	percentage	0.5	22.9		8.6	6	3
Avoided medical care due to cost	*BRFSS*	*percentage*	*1.0*	*20.5*		*12.8*	*7*	*5*
Hospital rating	HCA	percentage	0.5	73.0		73.0	6	7
Preventable hospitalizations for medicare enrolees	CHR	discharges / 100,000	1.0	14,494.0		8,628.0	7	10

Mental Health (10th) — Weight 15%

	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
Mental Health (10th)			**15%**	51.1		38.1	9	10
Suicide	*CDC*	*deaths / 100,000 population*	*1.0*	*13.5*		*16.9*	*7*	*5*
Drug overdose deaths	*CDC*	*deaths / 100,000 population*	*0.5*	*18.4*		*25.1*	*8*	*9*
Serious mental illness	DUH Nat Srvy	percentage	1.0	5.13		5.50	10	10
Statewide disability weighted prevalence from mental illness	IMHE	years / 100,000 population	1.0	2,298.6		2,205.5	8	8
Self-reported mental health not good	CHR	percentage	1.0	12.4		17.7	8	9

Physical Health (9th) — Weight 20%

	Source	Unit	Unit	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
Physical Health (9th)			**20%**	32.6		27.9	10	9
High blood pressure	*BRFSS*	*percentage*	*1.0*	*37.9*		*36.8*	*10*	*10*
Diabetes	CDC	percentage	1.0	9.7		9.6	8	6
Heart attack	*BRFSS*	*percentage*	*1.0*	*5.94*		*5.54*	*10*	*10*
Statewide disability weighted prevalence of infectious diseases	IMHE	years / 100,000 population	0.5	412.9		430.6	7	7
Self-reported poor physical health	CHR	percentage	1.0	13.3		16.8	8	9

Longevity (8th) — Weight 20%

	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	2021
Longevity (8th)			**20%**	53.7		51.8	7	8
Under 5 mortality	*CDC*	*deaths / 100,000 under 5 population*	*1.0*	*163.5*		*126.0*	*7*	*5*
5-14 mortality	*CDC*	*deaths / 100,000 5-14 population*	*0.5*	*16.5*		*17.3*	*8*	*9*
15-64 mortality	CDC	deaths / 100,000 15-64 population	2.0	352.1		433.6	7	8
Maternal mortality	IMHE	deaths / 100,000 population	0.5	0.31		0.31	4	5
Mortality risk 65-85	IMHE	percentage	1.0	59.5		57.7	8	9

* The 1,196 counties in the 12 states have been grouped into deciles, for each pillar, element and indicator. Counties in the 1st decile are the strongest performers and those in the 10th decile are the weakest

Italics: Indicator contains imputed values

Pre-Primary Education (3rd)

	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	US Counties Decile 2021
Pre-Primary Education (3rd)			5%	62.8		59.4	3	3
Pre-primary enrollment	Census	percentage	2.0	47.0		46.9	4	4
Statewide state pre-K quality	NIEER	index score, 0-10	1.0	9.0		8.0	1	1

Primary Education (1st)

	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	US Counties Decile 2021
Primary Education (1st)			20%	73.1		77.0	1	1
Math grade 4 level	SEDA	grade level	2.0	4.26		5.38	3	1
Statewide science grade 4 score	NAEP	scale score, 0-300	1.5	160.7		160.2	1	1
English, language and arts grade 4 level	SEDA	grade level	2.0	5.17		5.03	1	1
Primary enrollment	Census	percentage	1.0	97.3		95.1	3	7

Secondary Education (5th)

	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	US Counties Decile 2021
Secondary Education (5th)			25%	67.7		65.9	3	5
Math grade 8 level	SEDA	grade level	1.5	8.31		7.39	4	8
Statewide science grade 8 score	NAEP	scale score, 0-500	1.0	156.4		157.2	2	4
English, language and arts grade 8 level	SEDA	grade level	1.5	8.67		8.21	1	4
High school graduation rate	CHR	percentage	1.0	90.0		93.3	3	4
Secondary enrollment	Census	percentage	1.0	95.2		97.7	7	5

Tertiary Education (9th)

	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	US Counties Decile 2021
Tertiary Education (9th)			25%	33.3		33.4	8	9
College enrollment	Census	percentage	1.0	36.2		28.5	3	5
Statewide college graduation rate	NCES	percentage	1.0	46.6		52.3	8	6
Statewide university quality for enrolled students	QS Rank	Legatum Institute score	1.0	0.085		0.085	9	9
Community college graduation rate	*NCES*	*percentage*	*1.0*	*35.3*		*35.3*	*7*	*7*

Adult Skills (6th)

	Source	Unit	Unit	2011	Value 10-yr trend	2021	US Counties Decile 2011	US Counties Decile 2021
Adult Skills (6th)			25%	33.0		45.9	7	6
Adult population with at least a high school diploma	Census	percentage	1.0	79.3		87.4	7	6
Adult population with bachelor's degree or higher	Census	percentage	1.0	14.4		17.4	7	7

* The 1,196 counties in the 12 states have been grouped into deciles, for each pillar, element and indicator. Counties in the 1st decile are the strongest performers and those in the 10th decile are the weakest

Italics: Indicator contains imputed values

Emissions (2nd) — 25%

Indicator	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	US Counties Decile 2021
Emissions (2nd)			**25%**	57.4		58.4	2	2
CO2 emissions	EPA	index, 0-1	2.0	0.77		0.77	3	2
Nitrous oxide emissions	EPA	index, 0-1	0.5	0.72		0.76	2	3
Carbon monoxide emissions	EPA	index, 0-1	0.5	0.70		0.71	2	4
Sulfur dioxide emissions	EPA	index, 0-1	0.5	0.962		0.948	1	3
Ozone emissions	EPA	index, 0-1	0.5	0.66		0.72	3	3

Exposure to Air Pollution (7th) — 25%

Indicator	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	US Counties Decile 2021
Exposure to Air Pollution (7th)			**25%**	63.1		61.1	6	7
Life expectancy loss from air pollution	JBEN	years	2.0	0.2		0.2	8	8
PM2.5 emissions	EPA	ton / square mile	1.0	1.81		1.35	5	5
Lead emissions	EPA	lb / square mile	1.0	0.067		0.132	5	7
Toxic air releases	EPA	lb / square mile	1.0	2.24		9.06	5	6

Forest, Land and Soil (8th) — 20%

Indicator	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	US Counties Decile 2021
Forest, Land and Soil (8th)			**20%**	31.8		40.9	9	8
Toxic land releases	EPA	lb / square mile	1.0	0.00		0.00	1	1
Statewide rural parks and wildlife areas	USDA	percentage	1.0	1.23		1.19	8	9
Statewide compliant underground storage tanks facilities	EPA	percentage	1.0	49.0		68.0	10	4
Statewide exposure to pesticides	CDC	number / 100,000 population	1.0	57.4		41.8	9	9
Tree canopy cover	NLCD	percentage	1.0	20.314		20.048	5	5
Wetlands and deepwater habitats	USFWS	percentage	1.0	5.3		5.3	5	5

Freshwater (10th) — 20%

Indicator	Source	Unit	Weight	2011	Value 10-yr trend	2021	US Counties Decile 2011	US Counties Decile 2021
Freshwater (10th)			**20%**	48.5		48.4	10	10
Statewide good quality rivers and streams	EPA	percentage	0.5	32.8		32.8	6	6
Statewide good quality lakes, resevoirs and ponds	EPA	percentage	0.5	59.9		59.9	2	2
Total freshwater withdrawals per capita	USGS	million gallons / 1,000 population	1.0	0.27		0.29	4	5
Toxic water releases	EPA	lb / square mile	1.0	767.33		767.33	10	10

Preservation Efforts (6th) — 10%

Indicator	Source	Unit	Unit	2011	Value 10-yr trend	2021	US Counties Decile 2011	US Counties Decile 2021
Preservation Efforts (6th)			**10%**	5.0		5.0	6	6
Statewide GAP 1 protected areas	USGS	percentage	2.0	0.7		0.7	7	7
Statewide GAP 2 protected areas	USGS	percentage	1.5	0.7		0.7	9	9
Statewide GAP 3 protected areas	USGS	percentage	1.0	3.8		3.8	4	4

* The 1,196 counties in the 12 states have been grouped into deciles, for each pillar, element and indicator. Counties in the 1st decile are the strongest performers and those in the 10th decile are the weakest

Glossary

Source Code	Source Name
AAR	Association of American Railroads
ACLU	American Civil Liberties Union
ANES	American National Election Studies
ATRF	American Tort Reform Association
Ballotpedia	Ballotpedia
BBN	BroadbandNow
BEA	United States Bureau of Economic Analysis
BIEM	Brookings Institution Export Monitor
BJS	United States Bureau of Justice Statistics
BLS	United States Bureau of Labour Statistics
BRFSS	Behavioral Risk Factor Surveillance System
BTS	United States Bureau of Transportation Statistics
Cato	Cato - Freedom in the 50 States
CAWP	Center for American Women and Politics
CDC	Centers for Disease Control and Prevention
CDC	CDC National Environmental Public Health Tracking Network
CDC	Centers for Disease Control and Prevention - Diabetes Atlas
CDC	Center for Disease Control (WONDER)
Census	United States Census Bureau
Census	US Census Bureau
Census	United States Census Bureau, American Community Survey
CHR	County Health Rankings
CJRP	Census of Juveniles in Residential Placement
CNCS	Corporation for National and Community Service, Volunteering & Civil Life in America
CPI	Center for Public Integrity
CPS	Current Population Survey, Civic Engagement Supplement
Cuillier	Dave Cuillier
DOL	United States Department of Labor
DUH Nat Srvy	Substance Abuse and Mental Health Services Administration, The National Survey on Drug Use and Health
EIA	United States Energy Information Administration
EPA	United States Environmental Protection Agency
FA	Feeding America
FCC	Federal Communications Commission
FDIC	Federal Deposit Insurance Corporation
FI	Fraser Institute
FR	Federal Reserve
FTC	Federal Trade Commission, Consumer Sentinel Network
Gallup	Gallup
Google	Google Trends
GTD	Global Terrorism Database
GVA	Gun Violence Archive
HCA	Hospital Consumer Assessment of Healthcare Providers and Systems
HJK	Henry J Kaiser Family Foundation
HUD	United States Department of Housing and Urban Development
ICS	Institute for Corruption Studies
IMHE	Institute for Health Metrics and Evaluation
Inst Just	Institute for Justice
JBEN	Bennett et al. 2019. "Particulate matter air pollution and national and county life expectancy loss in the USA: A spatiotemporal analysis".
Kauffman	Kauffman Foundation
MAP	Movement Advancement Project
MIT	MIT Election and Data Science Lab coding of state policies
Mukherjee	Mukherjee et al.
NAACP	National Association for the Advancement of Colored People
NACJD	National Archive Of Criminal Justice Data
NAEP	National Assessment of Educational Progress
NCAJ	National Center for Access to Justice
NCES	National Center for Education Statistics
NCIRD	National Center for Immunization and Respiratory Diseases
NCSL	National Conference of State Legislatures
NIEER	National Institute for Early Education Research
NIMP	National Institute on Money in Politics
NLCD	National Land Cover Database
NSCH	National Survey of Children's Health
NVCA	National Venture Capital Association
POL	Polaris Project
Pros Now	Prosperity Now Scorecard
PRRI	Public Religion Research Institute
QS Rank	QS World University Rankings
QuantGov	QuantGov
SEDA	Stanford Education Data Archive
SPLC	Southern Poverty Law Center
State OR	State of Oregon
Talk Pov	Talk Poverty
Tax Found	Tax Foundation
UI	Urban Institute
USDA	United States Department of Agriculture
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
USPFT	United States Press Freedom Tracker
USPIRG	United States Public Interest Research Group
USPTO	United States Patent and Trademark Office
USRC	United States Religious Census
WaPo	Washington Post

Please consult the methodology report (https://usprosperity.net/downloads/reports) for full details on the underlying data behind each indicator, including information on how missing data points are imputed and forward / backward filled.