



PROSPERITY INDEX

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United States Prosperity Index

Changes made since 2020 index
Summary of Indicator Details

2021

The Legatum Institute would like to extend their gratitude to The Helmsley Charitable Trust for their support, without which the production of this Index and report would not have been possible. Support for the county Index was also provided in part by a grant from the Robert Wood Johnson Foundation, for which the Institute is also very grateful. The Institute would also like to thank The Walton Family Foundation, in particular for their support towards the county Index during the past year. The opinions expressed in this publication are those of the Legatum Institute and do not necessarily reflect the views of the Helmsley Charitable Trust, the Robert Wood Johnson Foundation, the Walton Family Foundation, or any of their individual employees.



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About the Walton Family Foundation

The Walton Family Foundation is, at its core, a family-led foundation. Three generations of the descendants of our founders, Sam and Helen Walton, and their spouses, work together to lead the foundation and create access to opportunity for people and communities. We work in three areas: improving K-12 education, protecting rivers and oceans and the communities they support, and investing in our home region of Northwest Arkansas and the Arkansas-Mississippi Delta.



The Legatum Institute would like to thank the Legatum Foundation for their sponsorship and for making this report possible. Learn more about the Legatum Foundation at www.legatum.org

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Contents

Introduction.....	2
Comparison to the previous index.....	3
<i>Introduction.....</i>	3
<i>What changes have been made to the Index?</i>	3
<i>Impact of changes on overall prosperity</i>	4
<i>Impact of changes at the pillar leve</i>	4
Appendix	12
<i>Appendix I: List of data sources.....</i>	12
<i>Appendix II: Indicators used</i>	13
<i>Appendix III: Summary statistics for pillars and elements</i>	13
<i>Appendix IV Degree of imputationby State.....</i>	15

Introduction

In producing the inaugural 2019 United States Prosperity Index, we incorporated the advice of more than 40 U.S. experts, to ensure the index was policy-focused to better assist national decision makers. Our intention is to now keep stability within the Index, so that it can be more effectively used as a benchmarking and monitoring tool. For each subsequent edition of the United States Prosperity Index, a few minor corrections and improvements have been made to strengthen the integrity of the index. This year, they include correcting some anomalies in the 2020 Index, as well as some minor refinement to the organisational structure of the Index. While changes have been made, the overall measure of prosperity remains broadly consistent to previous years.

This document explains the changes we have made in more detail and assesses their overall impact on the results. It also provides, as appendices, a list of the sources and indicators used within the 2021 Index, together with information on imputation and other related statistics.

This is one of multiple documents supporting the Prosperity Index. For a full definition of what we mean by prosperity, please see the *Defining United States prosperity* document. For an explanation of how the United States Prosperity Index is constructed, please see the *United States Prosperity Index - Measuring prosperity* document. All documents are available for download at www.usprosperity.net. If you have any further questions, please email info@li.com.

Comparison to the previous Index

INTRODUCTION

With every edition of the United States Prosperity Index, we aim to make minor improvements and build on previous editions to ensure that the Index remains relevant and accurate. For the 2021 United States Prosperity Index, these include correcting some anomalies in the previous Index, and restructuring part of the conceptual framework.

While the changes made have strengthened the integrity of the Index, the overall measure of prosperity remains very similar. This section explains these changes in more detail and assesses their overall impact on the results.

WHAT CHANGES HAVE BEEN MADE TO THE INDEX?

The improvements can be categorised under 1) Structural changes and 2) Indicator changes.

1. Structural changes

- **Renaming of pillars and elements** — The 'Market Access and Infrastructure' pillar has been renamed to 'Infrastructure' and the 'Terror-related Crime' element (in Safety and Security) has been renamed to 'Mass Killing and Injuries'. Whilst these changes do not change the measurement of prosperity from a scoring perspective, the new names reflect the concepts captured by both measures much more accurately.
- **Refining Emissions and Exposure to Air Pollution elements in Natural Environment** — Fine particulate matter exposure was removed from Exposure to Air Pollution and 3 indicators were moved from Emissions into Exposure to Air Pollution: Toxic air releases, PM2.5 emissions, and lead emissions. We felt that these changes would clarify the concepts measured by the respective elements: Emissions measuring the level of emissions of greenhouse gases, and Exposure to Air Pollution capturing the level of emissions to which the population is physically exposure, and the resulting longevity impact. In this case, exposure to Toxic air releases, PM2.5 emissions, and lead emissions are all known to impact people's longevity.

2. Indicator changes

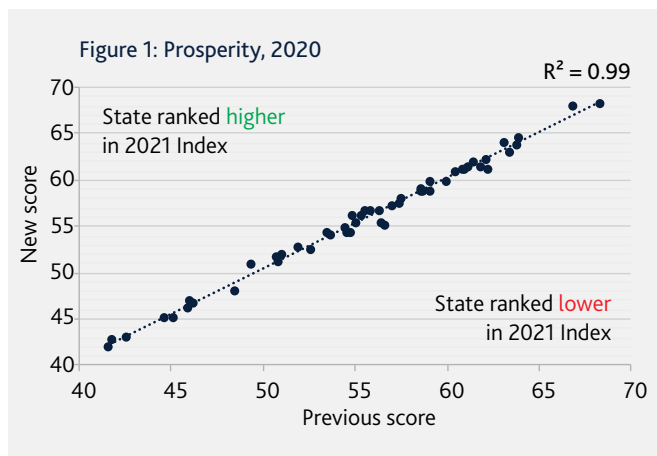
- **Indicator fixes** — The data ingest of several indicators has been amended to correct for unintended errors. These include:
 - 'Press suppression' — the number of journalists and new categories of incidents have been added. This has slightly increased the number of press arrested from what would have been captured in previous indexes.
 - 'Road condition' and 'Road density' — an error in the way both datasets were being ingested resulted in significant amounts of data being truncated and large amounts of imputation for these indicators. This has been corrected for the 2021 Index.
- **Improvements to indicator selection** — In reviewing the indicators chosen in 2020, we have made some changes. These include:
 - ingesting more years of data that were available, but not ingested in last year's index. 'New foreign direct investment', for example, now includes data from 2014-2019. Previously, only values from 2016 were used;
 - switching to more appropriate sources. For example, 'State budget balance' is now sourced using the state government budget balance value instead of the value of funds held in general reserves as the former aligned much better to the concept captured by this indicator;
 - switching to alternative sources, where their data was considered more comprehensive. For example, for the indicators 'Volunteer rate', 'Volunteering intensity', 'Helping the community', and 'Active in neighborhood', the source was switched to microdata provided by the US Census Bureau in order to improve coverage in recent years.

Appendix II provides a full list of the state and county level indicators used within the 2021 United States Prosperity Index.

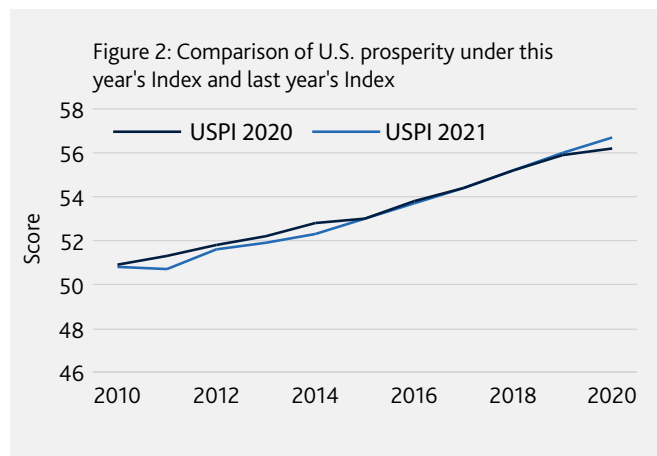
IMPACT OF CHANGES ON OVERALL PROSPERITY

In comparing the results of this year's Index with last year's, we find that the overall results are very similar, as shown by the following two analyses.

- Figure 1 shows the overall state level prosperity scores for the year 2020 from the 2021 Index compared with those from the 2020 Index. While the chart shows that there have been some minor changes to the scores of some states due to the changes made to the Index, the strength of the relationship between this year's and last year's Indexes is very strong, indicated by the R^2 of 0.99



- We see from Figure 2 that prosperity across the U.S. over time has followed a similar trend using both last year's and this year's Index



Some states have been affected more than others – we can assess the impact by comparing the 2020 ranks of the 2020 Index and the 2021 Index. Hawaii has seen the biggest change between the 2020 Index and the 2021 Index, falling by seven ranks. This is largely due to the revised source for State budget balance data which shows that Hawaii has one of the largest deficits out of all States in 2020.

IMPACT OF CHANGES AT THE PILLAR LEVEL

In order to understand the impact of the changes made at the pillar level, we compared state scores in this year's Index against the scores of last year's Index. The following Figures 3a-3k show the results for each of the eleven pillars, displaying scatter plots of 2020 state scores in this year's and last year's Indexes.

With an R^2 above 0.9, 2020 scores for all pillars show a strong relationship between the 2021 Index and the 2020 Index, and most states have similar scores in both Indexes.

Overall, the changes made to the Index have not significantly altered current or historical levels of U.S. prosperity.

Figure 3a: Safety and Security, 2020

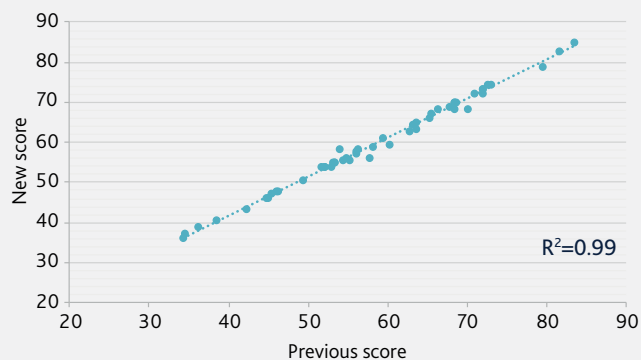


Figure 3b: Personal Freedom, 2020

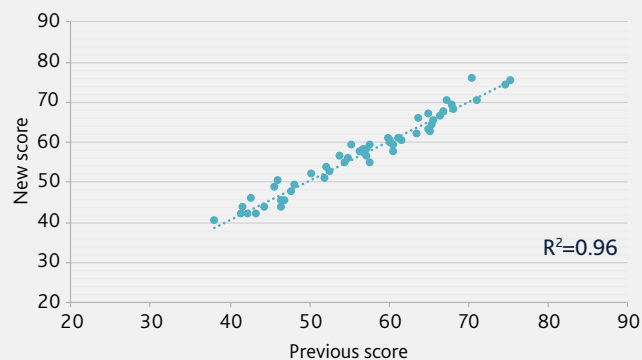


Figure 3c: Governance, 2020

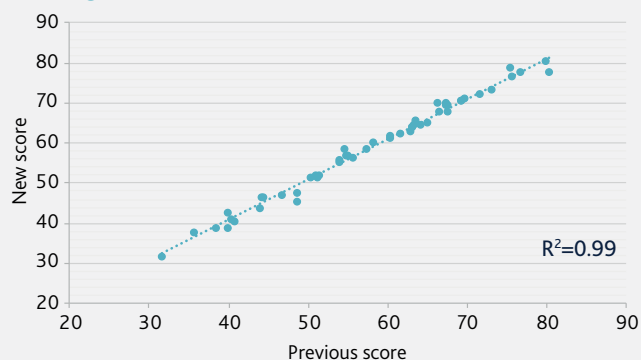


Figure 3d: Social Capital, 2020

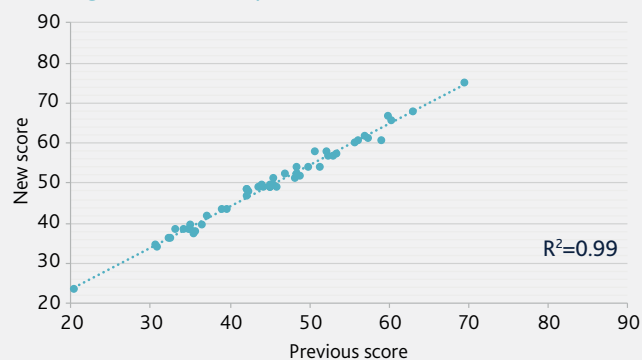


Figure 3e: Business Environment, 2020

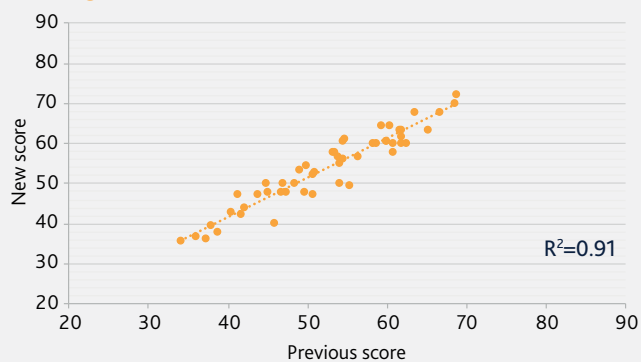


Figure 3f: Infrastructure, 2020

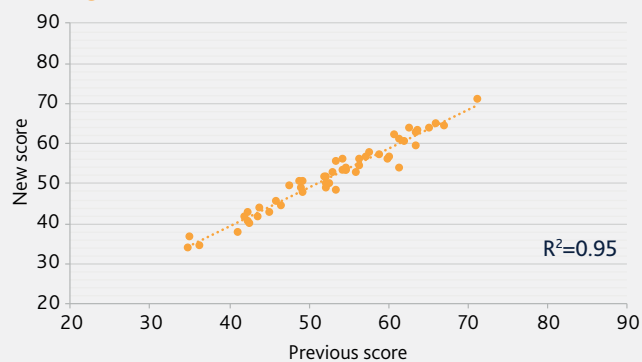


Figure 3g: Economic Quality, 2020

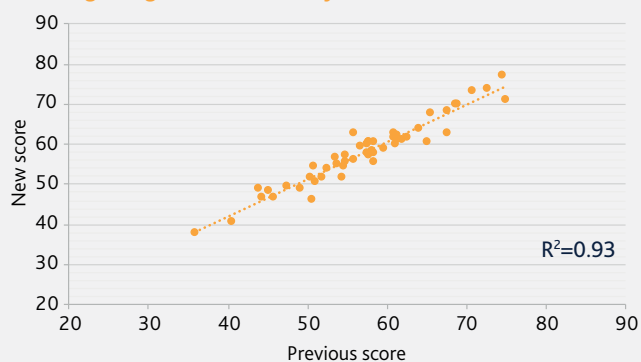


Figure 3h: Living Conditions, 2020

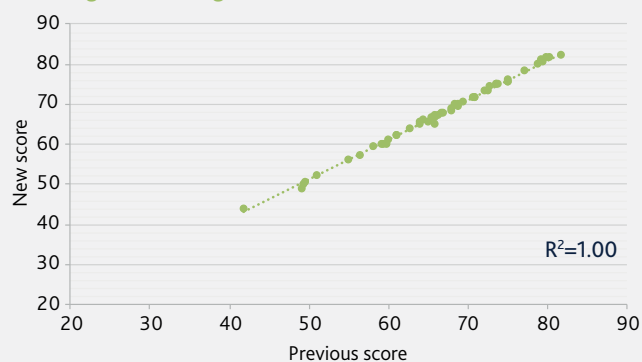


Figure 3i: Health, 2020

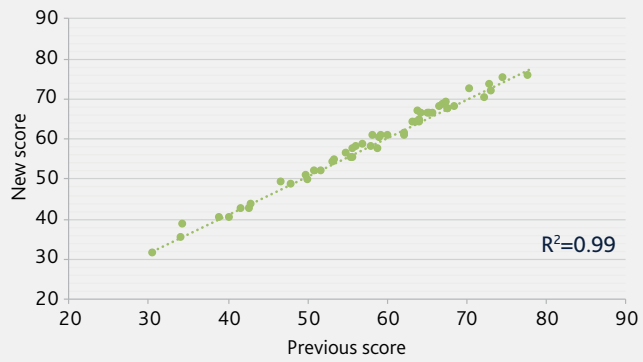


Figure 13j: Education, 2020

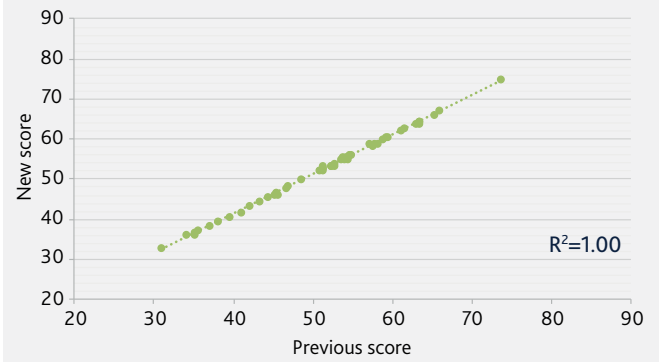
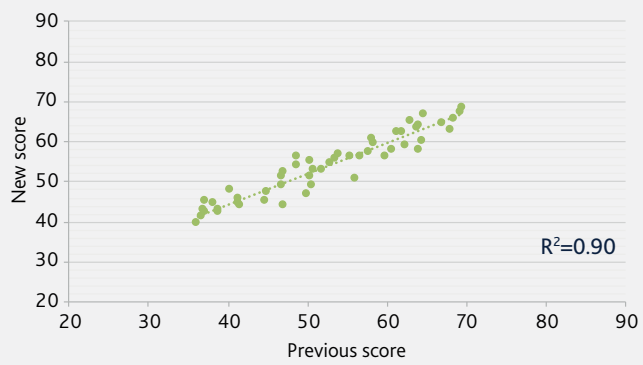


Figure 3k: Natural Environment, 2020



Appendix

APPENDIX I: LIST OF DATA SOURCES

Source Code	Source Name	Web address
AAR	Association of American Railroads	https://www.aar.org/
ACLU	American Civil Liberties Union	https://www.aclu.org/
ANES	American National Election Studies	https://electionstudies.org/
ATRF	American Tort Reform Association	http://www.atra.org/
BallotP	Ballotpedia	https://ballotpedia.org/Main_Page
BBN	BroadbandNow	https://broadbandnow.com/
BIEM	Brookings Institution Export Monitor	https://www.brookings.edu/research/export-monitor-2018/
BRFSS	Behavioral Risk Factor Surveillance System	https://www.cdc.gov/brfss/index.html
Cato	Cato — Freedom in the 50 States	https://www.freedominthe50states.org/
CAWP	Center for American Women and Politics	https://www.cawp.rutgers.edu/
CDC	Centers for Disease Control and Prevention	https://www.cdc.gov/
CHR	County Health Rankings	https://www.countyhealthrankings.org/
CJRP	Census of Juveniles in Residential Placement	https://www.ojjdp.gov/research/CJRP.html
CMS	Centers for Medicare & Medicaid Services	https://data.cms.gov/mapping-medicare-disparities
CNCS	Corporation for National and Community Service, Volunteering & Civil Life in America	https://www.nationalservice.gov/serve/via
CPI	Center for Public Integrity	https://publicintegrity.org/
CPS	Current Population Survey, Civic Engagement Supplement	https://cps.ipums.org/cps/civic_engagement_sample_notes.shtml
Cuil.	Dave Cuillier, School of Journalism, University of Arizona	Via personal correspondence
FA	Feeding America	https://www.feedingamerica.org/
FBI	Federal Bureau of Investigation Uniform Crime Reporting Statistics	https://www.fbi.gov/services/cjis/ucr
FCC	Federal Communications Commission	https://www.fcc.gov/
FDIC	Federal Deposit Insurance Corporation	https://www.fdic.gov/
FHWA	Federal Highway Administration	https://highways.dot.gov/
FI	Fraser Institute	https://www.fraserinstitute.org/
FR	Federal Reserve	https://www.federalreserve.gov/
FTC	Federal Trade Commission, Consumer Sentinel Network	https://www.ftc.gov/enforcement/consumer-sentinel-network
Gallup	Gallup Dailies	https://www.gallup.com/home.aspx

Source Code	Source Name	Web address
GT	Google Trends	https://trends.google.com/trends/?geo=US
GTD	Global Terrorism Database	https://www.start.umd.edu/gtd/
GVA	Gun Violence Archive	https://www.gunviolencearchive.org/
HCAHPS	Hospital Consumer Assessment of Healthcare Providers and Systems	https://www.hcahpsonline.org/
HJK	Henry J Kaiser Family Foundation	https://www.kff.org/
ICS	Institute for Corruption Studies	http://greasethehewheels.org/
IHME	Institute for Health Metrics and Evaluation	http://www.healthdata.org/
IJ	Institute for Justice	https://ij.org/
JBEN	Bennett et al. 2019. "Particulate matter air pollution and national and county life expectancy loss in the USA: A spatiotemporal analysis".	Via personal correspondence
Kauf	Kauffman Foundation	https://www.kauffman.org/
MAP	Movement Advancement Project	http://www.lgbtmap.org/
MIT	Election and Data Science Lab coding of state policies	https://electionlab.mit.edu/
Mukh.	Mukherjee et al.	Via personal correspondence
NAACP	National Association for the Advancement of Colored People	https://www.naacpldf.org/
NACJD	National Archive Of Criminal Justice Data	https://www.icpsr.umich.edu/web/pages/NACJD/index.html
NAEP	National Assessment of Educational Progress	https://nces.ed.gov/nationsreportcard/
NCAJ	National Center for Access to Justice	https://ncforaj.org/
NCES	National Center for Education Statistics	https://nces.ed.gov/
NCIRD	National Center for Immunization and Respiratory Diseases	https://www.cdc.gov/ncird/index.html
NCSL	National Conference of State Legislatures	http://www.ncsl.org/
NIEER	National Institute for Early Education Research	http://nieer.org/
NIMP	National Institute on Money in Politics	https://www.followthemoney.org/
NLCD	National Land Cover Database	https://www.usgs.gov/centers/eros/science/national-land-cover-database?qt-science_center_objects=0#q
NLIHC	National Low Income Housing Coalition	https://nlihc.org/
NSCH	National Survey of Children's Health	https://www.childhealthdata.org/learn-about-the-nsch/ NSCH
NTIA	National Telecommunications and Information Administration	https://www.ntia.doc.gov/
NVCA	National Venture Capital Association	https://nvca.org/
OECD	Organisation for Economic Cooperation and Development	https://www.oecd.org/unitedstates/
Oreg.	State of Oregon	https://www.oregon.gov

Source Code	Source Name	Web address
Pew	Pew Research Center	https://www.pewresearch.org/
PNS	Prosperity Now Scorecard	https://scorecard.prosperitynow.org/
Pol. Proj.	Polaris Project	https://polarisproject.org/
PRRI	Public Religion Research Institute	https://www.prri.org/
QG	QuantGov	https://quantgov.org/
QS	QS World University Rankings	https://www.topuniversities.com/qs-world-university-rankings
SAMHSA	Substance Abuse and Mental Health Services Administration, The National Survey on Drug Use and Health	https://www.samhsa.gov/
SEDA	Stanford Education Data Archive	https://edopportunity.org/
SPLC	Southern Poverty Law Center	https://www.splcenter.org/
TF	Tax Foundation	https://taxfoundation.org/
TP	Talk Poverty	https://talkpoverty.org/
UI	Urban Institute	https://www.urban.org/
USACS	United States Census Bureau, American Community Survey	https://www.census.gov/programs-surveys/acs
USBEA	United States Bureau of Economic Analysis	https://www.bea.gov/
USBJS	United States Bureau of Justice Statistics	https://www.bjs.gov/
USBLS	United States Bureau of Labor Statistics	https://www.bls.gov/
USBTS	United States Bureau of Transportation Statistics	https://www.bts.gov/
USCB	United States Census Bureau	https://www.census.gov/
USDA	United States Department of Agriculture	https://www.usda.gov/
USDE	United States Department of Education	https://www.ed.gov/
USDOL	United States Department of Labor	https://www.dol.gov/
USEIA	United States Energy Information Administration	https://www.eia.gov/
USEPA	United States Environmental Protection Agency	https://www.epa.gov/
USFWS	United States Fish and Wildlife Service	https://www.fws.gov/
USGS	United States Geological Survey	https://www.usgs.gov/
USHUD	United States Department of Housing and Urban Development	https://www.hud.gov/
USPFT	United States Press Freedom Tracker	https://pressfreedomtracker.us/
USPIRG	United States Public Interest Research Group	https://uspirg.org/
USPTO	United States Patent and Trademark Office	https://www.uspto.gov/
USRC	United States Religious Census	http://www.usreligioncensus.org/
Wash. Post.	Washington Post	https://github.com/washingtonpost/data-police-shootings

APPENDIX II: INDICATORS USED

The following pages set out the state-level and county-level indicators used within each domain, pillar, and element of the United States Prosperity Index. The Index at a county level has been closely based on the state level Index, and the availability of county indicators are classified into three groupings:

- **Exact or very similar match:** Exactly the same data is available at a county level as at the state level (i.e. number of burglaries per 100,000 population), or where the county indicator is so very marginally different to the state indicator (e.g. a five year smoothed value is used at the county level, whereas a single year has been used at the state level). These indicators appear as one row in the table, with state and county illustrated in the Index column;
- **Alternative indicator used:** An exact indicator match is not available at county level but similar data that is different in nature has been used (e.g. The percent of public water sources without health-based violations is not available at a county level, so we have used a binary indicator capturing whether at least one community water system in the county received at least one health-based violation during the specified time frame, from the County Health Rankings). These indicators are shown as two rows in the table;
- **No county indicator:** No county match or alternative is available, so the state value has been used for all counties within the state. These indicators are shown as one row in the table, with a note in the Index column.

INCLUSIVE SOCIETIES

Safety and Security

Mass Killings and Injuries (weight = 15 %)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Mass shooting deaths	The death rate from mass shootings, averaged over the previous five years.	State & County	deaths /1,000,000 population*	2013-2020	1	1.5	Gun Violence Archive
Mass shooting injuries	The injury rate from mass shootings, averaged over the previous five years.	State & County	injuries /1,000,000 population*	2013-2020	1	1	Gun Violence Archive
Terrorism deaths	The death rate from terrorism, averaged over the previous five years.	State & County	deaths /1,000,000 population*	2000-2019 (County) 2004-2019	2	1	Global Terrorism Database
Terrorism injuries	The injury rate from terrorism, averaged over the previous five years.	State & County	injuries /1,000,000 population*	2000-2019 (County) 2004-2019	2	0.5	Global Terrorism Database
Terrorism events	The number of terrorism events, averaged over the previous five years.	State & County	events /1,000,000 population*	2000-2019 (County) 2004-2019	2	0.5	Global Terrorism Database

Violent Crime (weight = 50%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Murder	The homicide rate.	State	deaths /100,000 population*	2000-2019	2	1.5	Federal Bureau of Investigation Uniform Crime Reporting Statistics
	The homicide rate.	County	deaths /100,000 population*	2009-2016	3	1.5	National Archive Of Criminal Justice Data
Rape	The rape rate.	State	incidents /100,000 population*	2000-2019	2	1	Federal Bureau of Investigation Uniform Crime Reporting Statistics
	The rape rate.	County	incidents /100,000 population*	2009-2016	3	1	National Archive Of Criminal Justice Data
Aggravated assaults	The aggravated assault rate.	State	assaults /100,000 population*	2000-2019	2	1	Federal Bureau of Investigation Uniform Crime Reporting Statistics
	The aggravated assault rate.	County	assaults /100,000 population*	2009-2016	3	1	National Archive Of Criminal Justice Data
Robbery	The robbery rate.	State	incidents /100,000 population*	2000-2019	2	0.5	Federal Bureau of Investigation Uniform Crime Reporting Statistics
	The robbery rate.	County	incidents /100,000 population*	2009-2016	3	0.5	National Archive Of Criminal Justice Data

Property Crime (weight = 35%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Burglary	The burglary rate.	State	incidents /100,000 population*	2000-2019	2	1.5	Federal Bureau of Investigation Uniform Crime Reporting Statistics
	The burglary rate.	County	incidents /100,000 population*	2009-2016	3	1.5	National Archive Of Criminal Justice Data
Motor vehicle theft	The motor vehicle theft rate.	State	incidents /100,000 population*	2000-2019	2	1	Federal Bureau of Investigation Uniform Crime Reporting Statistics
	The motor vehicle theft rate.	County	incidents /100,000 population*	2009-2016	3	0.5	National Archive Of Criminal Justice Data
Larceny theft	The larceny theft rate.	State	incidents /100,000 population*	2000-2019	2	0.5	Federal Bureau of Investigation Uniform Crime Reporting Statistics
	The larceny theft rate.	County	incidents /100,000 population*	2009-2016	3	1	National Archive Of Criminal Justice Data
Identity theft	The identity theft rate.	State & County	victims /100,000 population* (County) reports /100,000 population*	"2008-2020 (County) 2009-2020"	1	0.5	Federal Trade Commission, Consumer Sentinel Network

Personal Freedom

Agency (weight = 30%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Fatal police shootings of unarmed civilians	The rate of fatal shootings of unarmed civilians by police officers.	State & County	deaths /100,000 population*	2015-2020	1	1	Washington Post
Death row population	The number of prisoners on death row in each state.	State (State value used for counties in state)	prisoners /100,000 population*	2008-2020	1	1	NAAACP Legal Defense and Educational Fund
Adult Incarceration	The incarceration rate of adults.	State (State value used for counties in state)	prisoners /100,000 adult population	2013-2018	3	1	United States Bureau of Justice Statistics
Youth Incarceration	The incarceration rate of people under 21.	State (State value used for counties in state)	prisoners /100,000 youth population	2001-2017	3	0.5	Census of Juveniles in Residential Placement
Trafficking	The rate of reported trafficking.	State (State value used for counties in state)	reports /100,000 population	2018-2019	2	1	Polaris Project

Freedom of Association and Speech (weight = 15%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Free speech in public places	A coding of whether state law mandates free speech on private property. (3=malls, universities, & neighborhood associations, ..., 0=none)	State (State value used for counties in state)	coding, 0-3	2004-2016	2	1	Cato - Freedom in the 50 States
Right-to-work	A coding of a state's right to work laws, 1 if a state has a "Right to Work" law, 0 if not.	State (State value used for counties in state)	coding, 0-1	2004-2020	1	0.5	National Conference of State Legislatures
Press suppression	The rate of suppression, covering press who were arrested, denied access or had their equipment seized, averaged over the last five years.	State (State value used for counties in state)	number /100,000 population	2017-2020	1	0.5	United States Press Freedom Tracker
Invasive cell phone surveillance	A coding of the known use of stingray tracking devices by state and local police departments. A state is given a score of 1 if it's known that local and state police agencies in the state have this technology, 0.5 if only local police do, and 0 if it's not known that either do.	State (State value used for counties in state)	coding, 0-1	2019	0	0.5	American Civil Liberties Union

Absence of Legal Discrimination (weight = 25 %)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Religious freedom restoration act enacted	A coding of the states' religious freedom restoration acts. A state receives 1 if any burden or infringement serves as basis for "compelling interest" review, 0.75 if "substantial burden" may generate compelling interest review, 0.5 if there are broad exemptions, and 0 if there is no religious freedom restoration act.	State (State value used for counties in state)	coding, 0-1	2004-2016	2	1	Cato - Freedom in the 50 States
Employment anti-discrimination law	A coding of whether a state has enacted an employment anti-discrimination law covering any non-federal category.	State (State value used for counties in state)	coding, 0-1	2004-2016	2	1	Cato - Freedom in the 50 States
Government discrimination based on sex prohibited	A coding of whether a state's constitution prohibits government discrimination on basis of sex. (1=yes, broadly, 0.5=yes, in some decisions, 0=no)	State (State value used for counties in state)	coding, 0-1	2004-2016	2	1	Cato - Freedom in the 50 States
Affirmative action in public services banned	A coding of whether a state bans affirmative action. (2= if yes, in constitution, =1 if yes, by statute or executive order, =0.5 if in education only, =0 if no)	State (State value used for counties in state)	coding, 0-2	2004-2016	2	0.5	Cato - Freedom in the 50 States
LGBT relationships and parenthood recognition	A coding of state laws relating to the legal recognition of LGBT relationships & parenthood, based on: second-parent adoption, family leave, adoption non-discrimination protections, foster care non-discrimination protections, consent to inseminate laws and legal recognition of de facto parents.	State (State value used for counties in state)	coding, 0-10	2019-2021	0	0.5	Movement Advancement Project

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
LGBT non-discrimination laws	A coding of state laws relating to LGBT non-discrimination laws; employment, housing, public accommodations, credit and lending, state employees, and (negative) whether the state bans cities and counties from passing non-discrimination laws.	State (State value used for counties in state)	coding, -1-9	2019-2021	0	0.5	Movement Advancement Project

Social Tolerance (weight = 30%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Hate group concentration	The number of hate groups (of any type) operating in each state. ¹	State & County	number /100,000 population*	2006-2020	1	1	Southern Poverty Law Center
Ethnic slur google traffic²	"The level to which people have searched for certain ethnic slurs. This indicator is the average of: Twice the search traffic for the n-word, search traffic for "cracker", search traffic for "greaser" / "beaner", search traffic for "injun", and search traffic for "chink" / "chinaman".	State & County	index 0-100	2020-2020	1	1	Google Trends
Same sex marriage support	The percentage of people who responded favor/strongly favor to the survey question: "All in all, do you strongly favor, favor, oppose or strongly oppose allowing gay and lesbian couples to marry legally?"	State (State value used for counties in state)	percentage	2014-2020	1	0.5	Public Religion Research Institute
LGBT non-discrimination law support	The percentage of people who responded favor/strongly favor to the survey question: "All in all, do you strongly favor, favor, oppose or strongly oppose laws that would protect gay, lesbian, bisexual, and transgender people against discrimination in jobs, public accommodations, and housing?"	State (State value used for counties in state)	percentage	2015-2019	2	0.5	Public Religion Research Institute

1. A hate group is classified as operating in a county if that group either: (a) operates statewide, (b) operates across a region of the state covering the county, (c) has been identified to operate in that county alone, or (d) operates in a city/town/area within that county.
2. The Ethnic Slurs indicator allows comparison of searched for terms between different states and different counties, but not across time, due to how Google provides the analysis. To avoid incorrect comparisons over time, earlier years have been backfilled from 2020.

Political Accountability (weight = 30%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Elections Performance Index	A composite measure of election administration policy and performance, based on: returned and rejected ballots, postelection audits, ballot problems, voter registration rate, turnout, voter waiting time, online election tool accessibility.	State (State value used for counties in state)	index score, 0-1	2008-2018	2	1.5	MIT Election and Data Science Lab coding of state policies
Gender balance in legislatures	The percentage of legislators in each state who are women.	State (State value used for counties in state)	percentage	2004-2021	0	0.5	Center for American Women and Politics
State campaign disclosure	A composite measure of each states' independent spending disclosure practice, measuring: disclosure of contributor information, timeliness and quality of campaign finance data, and public access to the data.	State (State value used for counties in state)	index score, 0-1	2013-2016	0	1	National Institute on Money in Politics
Term limits	An encoding of legislator term limits for, taking a value of 1 if term limits apply, 0 if they do not.	State (State value used for counties in state)	coding, 0-1	2004-2020	1	0.5	National Conference of State Legislatures

Rule of Law (weight = 35%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Justice Index	A composite measure of access to justice, based on: attorney access, self-representation, language access, and disability access.	State (State value used for counties in state)	index rank, 1-51	2014-2016	2	1.5	National Center for Access to Justice
Judicial integrity	The ATR Foundation calls out courts they deem as out of balance. This indicator scores a 1 if the state has a court that has been called out, 0.5 if an area in the state is on a "watch list" and 0 if it does not.	State (State value used for counties in state)	coding, 0-1	2004-2020	1	0.5	American Tort Reform Association

Government Integrity (weight = 35%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Legal corruption perceptions	A rating of the level of legal corruption across the three branches of government, based on a survey of reporters.	State (State value used for counties in state)	expert survey, 3-15	2014-2018	0	1	Institute for Corruption Studies
Illegal corruption perceptions	A rating of the level of illegal corruption across the three branches of government, based on a survey of reporters.	State (State value used for counties in state)	expert survey, 3-15	2014-2018	0	1	Institute for Corruption Studies
Corruption Reflection Index	A composite measure of the level to which state corruption is reported in the news.	State (State value used for counties in state)	index score, 0-1	2004-2013	4	0.5	Institute for Corruption Studies
State Integrity Investigation	A composite measure of each state's transparency and accountability based on the laws and systems they have in place to deter corruption.	State (State value used for counties in state)	index rank, 1-51	2012-2015	1	1	US Center for Public Integrity
Public record request compliance	The percentage of public records requests that state agencies complied with over a four year period.	State (State value used for counties in state)	percentage	2018	2	1	Dave Cuillier
Online Spending Transparency Index	A composite measure of the transparency of state websites on information regarding state spending.	State (State value used for counties in state)	index score, 0-100	2014-2018	0	0.5	United States Public Interest Research Group

Social Capital

Personal and Family Relationships (weight = 25%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Divorce	The divorce rate, by state of occurrence.	State (State value used for counties in state)	instances /1,000 population	2004-2019	2	1	Centers for Disease Control and Prevention
Children in unmarried households	The percentage of all children living in unmarried households.	State & County	percentage	2010-2019	2	1	United States Census Bureau
Teen births	The rate of births to females aged 15-19 years.	State & County	instances /1,000 female 15-19 population	2000-2019 (County) 2004-2018	2	1	Centers for Disease Control and Prevention
Parent's attendance of children's activities	The percentage of parents responding "Always/Sometimes" to the question "During the past 12 months, how often did you attend events or activities that this child participated in?"	State (State value used for counties in state)	percentage	2016-2019	2	0.5	National Survey of Children's Health
Shared meals with household members	The percentage responding "A few times a week/Basically every day" to the question "How often do you eat dinner with household members?"	State & County	percentage	2008-2013	1	0.5	Current Population Survey, Civic Engagement Supplement
Frequently hear from family and friends	The percentage responding "A few times a week/Basically every day" to the question "How often do you see/hear from friends or family?"	State & County	percentage	2011-2017	1	1	Current Population Survey, Civic Engagement Supplement
Close friends	Average number of close friends. "Close friends" were described to the respondent as "people you feel at ease with, can talk to about private matters, or call on for help."	State & County	average	2008	3	1	Current Population Survey, Civic Engagement Supplement

Social Networks (weight = 25%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Favors between neighbors	The percentage responding "A few times a month/A few times a week/ Basically every day" to the question "How often do you do favors for neighbors and vice-versa?"	State & County	percentage	2008-2013	1	1	Current Population Survey, Civic Engagement Supplement
Frequently talk with neighbors	The percentage responding "A few times a month/A few times a week/ Basically every day" to question "How often do you talk with neighbors?"	State & County	percentage	2008-2017	1	1	Current Population Survey, Civic Engagement Supplement
Trust in people in neighborhood	The percentage responding "All" / Most of the people" to the question "How many of the people in the neighborhood do you trust?"	State & County	percentage	2011-2013	1	1.5	Current Population Survey, Civic Engagement Supplement
Supportive neighborhood for a child	Percentage responding "Yes" to the question "Does your child live in a supportive neighborhood?"	State (State value used for counties in state)	percentage	2016-2019	2	1	National Survey of Children's Health
Trust in people	A weighted average of responses to the question "Generally speaking, how often can you trust other people?" with responses given the following weights; Always = 1, most of the time = 0.75, about half the time = 0.5, some of the time = 0.25, never = 0.	State (State value used for counties in state)	coding, 0-1	2016	2	0.5	American National Election Studies

Institutional Trust (weight = 20%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Confidence in corporations	The percentage responding "A Great Deal of Confidence/Some Confidence" to the question "How much confidence do you have in Corporations to do what is right?"	State & County	percentage	2011-2013	1	1	Current Population Survey, Civic Engagement Supplement
Confidence in the media	The percentage responding "A Great Deal of Confidence/Some Confidence" to the question "How much confidence do you have in the Media to do what is right?"	State & County	percentage	2011-2013	1	1	Current Population Survey, Civic Engagement Supplement
Trust in federal government	A weighted average of responses to the question "How often can you trust the federal government in Washington to do what is right?" with responses given the following weights; Always = 1, most of the time = 0.75, about half the time = 0.5, some of the time = 0.25, never = 0.	State (State value used for counties in state)	coding, 0-1	2016	2	0.5	American National Election Studies

Civic and Social Participation (weight = 30%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Volunteer rate	The rate of volunteering over the past year.	State (State value used for counties in state)	instances /1,000 population	2010-2019	1	1	United States Census Bureau
Volunteering intensity	The number of hours of volunteering per year.	State (State value used for counties in state)	hours, per capita*	2004-2015	3	0.5	Corporation for National and Community Service, Volunteering & Civil Life in America
Volunteering intensity (microdata)	The number of hours of volunteering per year (capped at 250).	State (State value used for counties in state)	hours, per capita	2010-2019	1	0.5	United States Census Bureau
Active in neighborhood	The percentage of people who reported being active in their neighborhood.	State (State value used for counties in state)	percentage	2010-2019	1	1	United States Census Bureau
Helping the community	The number of people who say they spend time helping their community, per 1,000 people.	State (State value used for counties in state)	instances /1,000	2006-2015	3	0.5	Corporation for National and Community Service, Volunteering & Civil Life in America
Helping the community (microdata)	The percentage responding "Yes" to the question "In the last year, have you attended any public meetings in which there was a discussion of community affairs".	State (State value used for counties in state)	percentage	2010-2019	1	0.5	United States Census Bureau
(Non-religious) membership organizations	The number of membership organizations in the arts, entertainment and recreation sectors, per 1,000 people.	State & County	number /1,000 population	2005-2018	3	1	US Census Bureau, County Business Patterns
Religious membership organizations	The number of religious congregations, per 1,000 people.	State & County	number /1,000 population	2010	1	0.5	United States Religious Census

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Religious organization participation	The percentage responding "Yes" to the question "Have you participated in religious organization in the last 12 months? [Yes/No]"	State & County	percentage	2008-2013	1	0.5	Current Population Survey, Civic Engagement Supplement
Sport or recreation organization participation	The percentage responding "Yes" to the question "Have you participated in sports/recreation organization in the last 12 months? [Yes/No]"	State & County	percentage	2008-2013	1	0.5	Current Population Survey, Civic Engagement Supplement
School, neighborhood or community association participation	The percentage responding "Yes" to the question "Have you participated in school, neighborhood, or community association in the last 12 months? [Yes/No]"	State & County	percentage	2008-2013	1	0.5	Current Population Survey, Civic Engagement Supplement

OPEN ECONOMIES

Business Environment

Financing Ecosystems (weight = 40%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Venture capital invested	The amount of venture capital invested per capita.	State	\$ /capita*	2006-2020	1	1	National Venture Capital Association
	An estimate of the amount of venture capital invested, using county GSP of Finance and Insurance (NAICS: 52) to allocate state venture capital allocated to counties within the state.	County	\$ /capita*	2006-2019	1	1	National Venture Capital Association
Number of venture capital deals	The number of venture capital deals per 1,000,000 people.	State	number /1,000,000 population *	2006-2020	1	1	National Venture Capital Association
	An estimate of the number of venture capital deals, using county GSP of Finance and Insurance (NAICS: 52) to allocate the number of state venture capital deals to counties within the state.	County	number /1,000,000 population*	2006-2019	1	1	National Venture Capital Association
Assets under management	The amount of assets under management per capita.	State	\$ /capita*	2004-2019	1	1	National Venture Capital Association
	An estimate of the amount of assets under management, using county GSP of Finance and Insurance (NAICS: 52) to allocate the state amount of assets under management to counties within the state.	County	\$ /capita*	2006-2019	1	1	National Venture Capital Association

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Venture capital fundraising	The amount of venture capital fundraising per capita.	State	\$ /capita*	2004-2019	1	1	National Venture Capital Association
	An estimate of the amount of venture capital fundraising, using county GSP of Finance and Insurance (NAICS: 52) to allocate the state amount of venture capital fundraising to counties within the state.	County	\$ /capita*	2006-2019	1	1	National Venture Capital Association
New foreign direct investment	The total foreign investment per capita into firms in their first year of operation.	State (State value used for counties in state)	\$ /capita*	2014-2019	2	1	United States Bureau of Economic Analysis
Bank branch access	The number of bank branches per square mile. This includes federal and state chartered commercial banks.	State & County	number /square mile (County) *	2004-2020	0	1.5	Federal Deposit Insurance Corporation

Domestic Market Contestability (weight = 30%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Low-income licensed occupations	Number of low-income licensed occupations.	State (State value used for counties in state)	number	2012-2017	1	1.5	Institute for Justice
Occupational licensing training cost	Mean occupational licensing training cost.	State (State value used for counties in state)	\$	2012-2017	1	1	Institute for Justice
Occupational licensing training time	Mean occupational licensing training time.	State (State value used for counties in state)	days*	2012-2017	1	1	Institute for Justice
Age requirements for license	Age requirements for license.	State (State value used for counties in state)	years	2012-2017	1	1	Institute for Justice
Regulation density index	A composite measure of anticompetitive regulations.	State (State value used for counties in state)	index score	2000-2016	2	1	Cato - Freedom in the 50 States

Burden of Regulation (weight = 10%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Federal Regulation and State Enterprise Index	A composite measure of the degree to which federal regulation enacted over the past year has impacted private sector industries.	State (State value used for counties in state)	index score	2000-2017	1	1	QuantGov
State regulation	The number of restrictions in the state regulatory text, expressed as a percentage of the total number of words.	State (State value used for counties in state)	percentage	2016-2020	1	1	QuantGov

Labor Market Flexibility (weight = 10%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Collective bargaining agreement coverage	The rate of workers who are covered by a collective bargaining agreement.	State (State value used for counties in state)	percentage	2000-2018	3	1	Fraser Institute
Employee health insurance cost	Average annual single premium per enrolled employee for employer-based health insurance.	State (State value used for counties in state)	\$	2013-2019	0	0.5	Henry J Kaiser Family Foundation
Workers compensation premium rate	Workers compensation premiums by state.	State (State value used for counties in state)	\$ per \$100 earnings	2006-2020	1	0.5	State of Oregon
Minimum wage	The maximum of federal and state minimum hourly wage.	State (State value used for counties in state)	\$	2007-2020	0	1	United States Department of Labor

Price Distortions (weight = 10%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Subsidies to the private sector	Private sector subsidies as a percentage of total state private industry GDP.	State (State value used for counties in state)	percentage	2004-2019	2	1	United States Bureau of Economic Analysis
Corporate Tax Score	A composite measure of each state's principal tax on business activities, based on five components; individual income tax, sales tax, corporate income tax, property tax and unemployment insurance tax.	State (State value used for counties in state)	index score	2012-2020	0	1	Tax Foundation

Communications (weight = 40%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Mean download speed	The average download speed reported by residential providers.	State & County	Mbps*	2020	0	1.5	BroadbandNow
Ultra-fast internet access	The percentage of the population with access to internet of at least 1Gbps download speed and at least 3Mbps upload speed.	State & County	percentage	2020	0	1	BroadbandNow
High speed internet access	The percentage of households with high-speed internet access.	State	percentage	2010-2019	1	1	National Telecommunications and Information Administration
Fast internet access	The percentage of the population with access to internet of at least 100Mbps download speed and at least 3Mbps upload speed.	County	percentage	2020	0	1	BroadbandNow
Internet providers (Business)	The average number of internet providers for business.	State & County	number* (County) non-logged	2016-2018	3	1	Federal Communications Commission

Resources (weight = 25%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Customers affected by electricity outages	Customers affected by electricity outages.	State (State value used for counties in state)	number per capita	2004-2016	3	0.5	Mukherjee et al.
Net electricity generation	The net generation of electricity, by all fuels, per capita.	State (State value used for counties in state)	kWh per capita	2001-2019	2	1	United States Energy Information Administration
Water usage	The total water extracted per day from both saline and freshwater sources, for non-domestic consumption.	State & County	Mgal per capita	2005-2015	3	1	United States Geological Survey
Electricity outage duration	System average interruption duration index.	State & County	minutes	2013-2019	2	1	United States Energy Information Administration
Electricity outage frequency	System average interruption frequency index.	State & County	per year	2013-2019	2	1	United States Energy Information Administration

Transport (weight = 35%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Number of airports	Public and private airports, heliports, and seaplane bases.	State (State value used for counties in state)	number /square mile	2013	1	1	United States Bureau of Transportation Statistics
Road condition	The percentage of road miles scored in "poor" condition using the International Roughness Index.	State & County	percent*	2011-2019 (County) 2018	2 (County) 0	1.5	United States Bureau of Transportation Statistics
Railroad length	The density of a state's freight railroad.	State	miles /square mile	2012-2020	1	1	Association of American Railroads
Statewide railroad length	Miles of freight railroad operated.	County	miles /square mile	2012	0	1	United States Bureau of Transportation Statistics
Bus transit route mileage	The density of bus transit service (not frequency).	State (State value used for counties in state)	miles /square mile	2013	1	0.5	United States Bureau of Transportation Statistics
Public road length	The density of public road length.	State & County	miles /square mile*	2010-2019 (County) 2018 only	2 (County) 3	1	United States Bureau of Transportation Statistics
Bridge condition	The percentage of bridges scored in "poor" condition according to the Pavement and Bridge Condition Performance Measures.	State & County	percentage	2010-2020 (County) 2016-2020	1	0.5	United States Bureau of Transportation Statistics
Distance to airport	The average distance to the closest airport.	State & County	km	2019	0	1	United States Bureau of Transportation Statistics

Fiscal Sustainability (weight = 25%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Government credit rating	State governments are given a credit rating on a scale of 'AAA' to 'BBB-', which are then transferred to an ordinal scale of 8 to 0.	State (State value used for counties in state)	rating	2004-2017	0	0.5	Ballotpedia
State reserves capacity	Number of days the state government can operate using only their reserves.	State (State value used for counties in state)	days*	2004-2020	1	1	Pew Research Center
Revenue to expenditure ratio	The ratio of the state government's revenue to expenditure.	State	ratio	2004-2018	2	1	Pew Research Center
	The ratio of the county government's revenue to total expenditures.	County	ratio	2012-2018	3	1	US Census Bureau
State budget balance	State government budget balance	State (State value used for counties in state)	\$ per capita*	2004-2018	2	1	Pew Research Center
State pension funding	The amount of pension assets as a percentage of pension liabilities.	State (State value used for counties in state)	percentage	2004-2018	2	1	Federal Reserve
Debt-to-GDP ratio	A combination of long- and short-term debt, as a percentage of GDP.	County	percentage*	2012-2017	4	1	United States Census Bureau

Productivity and Competitiveness (weight = 25%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Manufactured export value	Total value of the exports of manufactured goods, disaggregated by state origin of movement.	State	\$ per capita*	2010-2019	1	1	United States Census Bureau
Export value (goods)	Value of international exported goods.	County	\$ per capita*	2004-2017	1	1	Brookings Institution Export Monitor
Non-manufactured export value	Total value of the exports of nonmanufactured goods, by state origin of movement.	State	\$ per capita*	2010-2019	1	0.5	United States Census Bureau
Export value (services)	Value of international exported services.	County	\$ per capita*	2004-2017	1	0.5	Brookings Institution Export Monitor
Labor productivity	The rate at which labor is used to produce output of goods and services	State (State value used for counties in state)	\$ per hour	2007-2019	2	2 (County) 1.5 ³	United States Bureau of Labor Statistics

3. This indicator has a weight of 1.5 in the county level Index, as there is no county level variation.

Dynamism (weight = 20%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Startup concentration	The number of startups.	State (State value used for counties in state)	number /1,000 businesses	2004-2017	2	0.5	Kauffman Foundation
Startup early job creation	The rate of jobs created by startups in their first year.	State (State value used for counties in state)	number per capita	2004-2019	2	1	Kauffman Foundation
Startup early survival rate	The percentage of startups that are still active after one year.	State (State value used for counties in state)	percentage	2004-2019	2	0.5	Kauffman Foundation
Opportunity-driven startups	The rate of people that start a new business over the course of the year.	State & County	percentage	2000-2019 (County) 2005-2020	2 (County) 1	1	Kauffman Foundation
Rate of new entrepreneurs	Percent of population that starts a new business. This indicator captures all new business owners, including those who own incorporated or unincorporated businesses, and those who are employers or non-employers. Source: Current Population Survey. Data updated: February 15, 2019	State & County	number /100,000 population	2000-2019 (County) 2005-2020	2 (County) 1	1.5	Kauffman Foundation
Patent applications	The rate of patent applications received by the USPTO in a given year. The state or county of origin is based on the address of the first named inventor.	State & County	number /1,000,000 population* (County) number /1,000 population*	2007-2019 (County) 2004-2015	1 (County) 1	1	United States Patent and Trademark Office

Labor Force Engagement (weight = 30%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Unemployment	The percentage of people who are unemployed and actively seeking employment.	State & County	percentage	"2000-2020 (County) 2004-2019"	1	1	United States Bureau of Labor Statistics
Youth unemployment	The percentage of 16-24-year olds who are unemployed and actively seeking employment.	State & County	percentage	2010-2020 (County) 2010-2019	1 (County) 2	1	"United States Bureau of Labor Statistics (County) United States Census Bureau"
Employee engagement	The percentage of employees classified as engaged by the "Employee Engagement Index" which classified employees as engaged, not engaged, or actively disengaged.	State (State value used for counties in state)	percentage	2011-2016	0	0.5	Gallup
Underemployment	Underemployment rate is defined as the proportion of the civilian Labor force who are involuntarily part-time employed	State (State value used for counties in state)	percentage*	2004-2020	1	1	United States Bureau of Labor Statistics
Labor force participation	The percentage of the total population aged 20-64 in the civilian labor force.	State	percentage	2010-2020	1	1	United States Bureau of Labor Statistics
Labor force participation	Percentage of the total population aged 16 years and over in the labor force.	County	percentage	2010-2019	2	1.5	United States Census Bureau

EMPOWERED PEOPLE

Living Conditions

Material Resources (weight = 25%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Low income	The percentage of individuals below 150% of the federal poverty line.	State & County	percentage	2005-2019	2	1	US Census Bureau, American Community Survey
Poverty	The percentage of individuals below 100% of the federal poverty line.	State & County	percentage	2005-2019	2	1	US Census Bureau, American Community Survey
Deep poverty	The percentage of individuals below 50% of the federal poverty line.	State & County	percentage	2005-2019	2	1	US Census Bureau, American Community Survey
Liquid asset poverty	The percentage of households without sufficient liquid assets to subsist at the poverty level for three months in the absence of income.	State & County ⁴	percentage	2013-2016 (County) 2014	3 (County) 5	1	Prosperity Now Scorecard
High risk loans	The percentage of households that used high-cost, high-risk forms of credit to make ends meet, including payday loans, automobile title loans, refund anticipation loans, rent-to-own, and pawning.	State (State value used for counties in state)	percentage	2015-2020	1	1	Talk Poverty

4. The county data uses modelled data, alongside reported data.

Nutrition (weight = 15%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Food security	The percentage of households that were certain of having, or able to acquire, enough food to meet the needs of all their household members, for the whole year.	State	percentage	2008-2019	2	1	United States Department of Agriculture
	The (reported and modelled) percentage of households that were certain of having, or able to acquire, enough food to meet the needs of all their household members, for the whole year.	County	percentage	2009-2018	3	1	Feeding America
Borderline food security	The percentage of households where the normal eating patterns of no members were disrupted, or food intake reduced, at any time during the year due to insufficient money or other resources.	State (State value used for counties in state)	percentage	2008-2019	2	1	United States Department of Agriculture
Fruit consumption	The percentage of adults who report consuming fruit at least once daily.	State & County	percentage	"2011-2019 (County) 2013-2019"	2	0.5	Behavioral Risk Factor Surveillance System
Vegetable consumption	The percentage of adults who report consuming vegetables at least once daily.	State & County	percentage	"2011-2019 (County) 2013-2019"	2	0.5	Behavioral Risk Factor Surveillance System

Water Services (weight = 15%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Clean and safe water	The percentage responding "easy" to the question, "In the city or area where you live is it easy or not to get clean and safe water?"	State (State value used for counties in state)	percentage	2008-2013	1	0.5	Gallup Dailies
Public drinking water violations	The percent of public water sources without health based violations.	State	percentage	2011-2020	1	1	United States Environmental Protection Agency
	A binary indicator capturing whether at least one community water system in the county received at least one health-based violation during the specified time frame.	County	score, 0 or 1	2013-2021	0	1	County Health Rankings
Complete kitchen and plumbing facilities	The percentage of households that have complete kitchen and plumbing facilities.	State & County	percentage	2009-2017	4	1	United States Department of Housing and Urban Development

Shelter (weight = 15%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Homelessness	The rate of homelessness.	State & County	number / 10,000 population	2007-2019	2	0.5	United States Department of Housing and Urban Development
Unsheltered homelessness rate	The percentage of homeless people that are unsheltered.	State & County	percentage	2007-2019	2	0.5	United States Department of Housing and Urban Development
Households with overcrowding	The percentage of households with overcrowding (more than one person per room in the household).	State & County	percentage	2009-2017	4	1	United States Department of Housing and Urban Development
Availability of affordable housing	The number of affordable and available units for renters with extremely low income.	State	units / 100 extremely low income tenants	2015-2019	2	1	National Low Income Housing Coalition
	The number of affordable and available units for renters with extremely low income.	County	units / 100 extremely low income tenants	2009-2014	3	1	Urban Institute

Connectedness (weight = 15%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Urban access to broadband	The percentage of urban population with access to 25 Mbps/3 Mbps broadband.	State	percentage	2013-2018	3	0.5	Federal Communications Commission
Rural access to broadband	The percentage of rural population with access to 25 Mbps/3 Mbps broadband.	State	percentage	2013-2018	3	1	Federal Communications Commission
Access to broadband	Percent of total population with access to 25 Mbps/3 Mbps broadband.	County	percentage	2013-2018	3	1.5	Federal Communications Commission
Households with a smartphone	The percentage of households with one or more smartphones.	State & County	percentage	2017-2019 (County) 2016-2019	2	1	United States Census Bureau, American Community Survey

Prevention from Harm (weight = 15%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Fatal unintentional injuries	The rate of fatal unintentional injuries.	State & County	number / 100,000 population	2004-2019	2	1	Centers for Disease Control and Prevention
Traffic deaths	The rate of traffic deaths.	State & County	number / 100,000 population	2004-2019	2	1	Centers for Disease Control and Prevention

Behavioral Risk Factors (weight = 15%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Obesity	The percentage of adults who have obesity.	State	percentage	2011-2019	2	1	Behavioral Risk Factor Surveillance System
	The (reported and modelled) percentage of adults who have obesity.	County	percentage	2004-2017	4	1	Centers for Disease Control and Prevention - Diabetes Atlas
Smoking	The percentage of adult respondents who report currently smoking every day or some days, and having smoked 100 cigarettes or more in their lifetime.	State	percentage	2011-2019	2	1.5	Behavioral Risk Factor Surveillance System
	The (reported and modelled) percentage of adult respondents who report currently smoking every day or some days, and having smoked 100 cigarettes or more in their lifetime.	County	percentage	2010-2021	0	1.5	County Health Rankings
Alcohol use disorder	The percentage of adults with alcohol use disorder.	State & County	percentage	2014-2019 (County) 2014-2018	1 (County) 3	0.5	Substance Abuse and Mental Health Services Administration, The National Survey on Drug Use and Health
Illicit drug use disorder	Percent of adults with illicit drug use disorder.	State & County	percentage	2014-2019 (County) 2014-2018	1 (County) 3	0.5	Substance Abuse and Mental Health Services Administration, The National Survey on Drug Use and Health
Pain reliever misuse	The rate of pain reliever misuse amongst adults.	State & County	percentage	2016-2019 (County) 2018	1 (County) 3	0.5	Substance Abuse and Mental Health Services Administration, The National Survey on Drug Use and Health

Preventative Interventions (weight = 15%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Adult dentist visits	The percentage of adults who report having been to the dentist or a dental clinic in the previous year.	State & County	percentage	2012-2018	2 (County) 3	0.5	Behavioral Risk Factor Surveillance System
Adult doctor visits	The percentage of adults who responded "Within the past year" to the question: "About how long has it been since you last visited a doctor for a routine check-up".	State & County	percentage	2013-2019	2	0.5	Behavioral Risk Factor Surveillance System
Colorectal cancer screening	The percentage of adults aged 50-75 years who have had a fecal occult blood test, sigmoidoscopy, or colonoscopy, complying with USPSTF recommendations.	State & County	percentage	2014-2018	2	0.5	Behavioral Risk Factor Surveillance System
Child medical visits	The percentage of children aged 12-17 years who have had one or more preventative medical care visits during the past 12 months.	State (State value used for counties in state)	percentage	2007-2018	1	0.5	National Survey of Children's Health
HPV immunizations	The percentage of males and females aged 13 to 17 who are up to date on all the recommended doses of human papillomavirus (HPV) vaccine.	State (State value used for counties in state)	percentage	2016-2019	1	1	National Center for Immunization and Respiratory Diseases
Pap smear test	The percentage of women aged 21-65 who have had a Papanicolaou test in the past three years.	State & County	percentage	2014-2018	2 (County) 3	0.5	Behavioral Risk Factor Surveillance System
Child Immunization	The percentage of children aged 19-35 months who are immunized. Vaccines in this series include at least 4 doses of DTaP, 3 doses of Polio, 1 dose of MMR, 3 doses of Hep B, 3 doses of Hib, 1 dose of Varicella antigens, and 4 doses of Pneumococcal conjugate vaccine.	State (State value used for counties in state)	percentage	2007-2017	1	1	National Center for Immunization and Respiratory Diseases

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Child dentist visits	The percentage of children aged 1-17 years who received any type of dental care during the past 12 months.	State (State value used for counties in state)	percentage	2016-2019	1	0.5	National Survey of Children's Health

Care Systems (weight = 15%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Child mental health access	% of respondents whose child received or needed mental health care but had a small or big problem getting it	State (State value used for counties in state)	percentage	2017-2019	1	1	National Survey of Children's Health
Adults with no health care coverage	The percentage of adults responding "no" to the question "do you have any kind of health care coverage?"	State	percentage	2011-2019	2	0.5	Behavioral Risk Factor Surveillance System
	The (modelled) percentage of the population under age 65 without health insurance coverage.	County	percentage	2010-2021	0	0.5	County Health Rankings
Avoided medical care due to cost	The percentage of adults responding "yes" to "Was there a time in the past 12 months when you needed to see a doctor but could not because of cost?"	State & County	percentage	2013-2019	2	1	Behavioral Risk Factor Surveillance System
Hospital rating	The percentage of patients who gave their hospital a rating of 9 or 10 on a scale from 0 to 10.	State & County	percentage	2013-2019 (County) 2014-2019	2	0.5	Hospital Consumer Assessment of Healthcare Providers and Systems
Preventable hospitalizations for medicare enrollees	The rate of discharges for ambulatory care-sensitive conditions amongst medicare enrollees.	State	discharges / 100,000	2012-2018	3	1	Centers for Medicare & Medicaid Services
Preventable hospitalizations for medicare enrollees	The rate of discharges for ambulatory care-sensitive conditions amongst medicare enrollees.	County	discharges / 100,000	2010-2021	0	1	County Health Rankings

Mental Health (weight = 15%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Suicide	The death rate from suicide (intentional self-harm).	State & County	deaths / 100,000 population	2004-2019	2	1	Centers for Disease Control and Prevention
Drug overdose deaths	The death rate from drug-poisoning.	State & County	deaths / 100,000 population	2004-2019	2	0.5	Centers for Disease Control and Prevention
Serious mental illness	The percentage of adults with serious mental illness, defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder that results in serious functional impairment, in the past year.	State & County	percentage	2014-2019 (County) 2014-2018	1 (County) 3	1	Substance Abuse and Mental Health Services Administration, The National Survey on Drug Use and Health
Disability weighted prevalence from mental illness	The age standardized rate of years lived with disability from all mental disorders.	State (State value used for counties in state)	years / 100,000 population	2004-2019	1	1	Institute for Health Metrics and Evaluation
Self-reported mental health not good	The percentage of adults who responded "14 or more days" to the question "Now thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good?"	State	percentage	2011-2019	2	1	Behavioral Risk Factor Surveillance System
	The (reported and modelled) percentage of adults who responded "14 or more days" to the question "Now thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good?"	County	percentage	2016-2021	0	1	County Health Rankings

Physical Health (weight = 20%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
High blood pressure	The percentage of adults who have high blood pressure.	State & County	percentage	2011-2017 (County) 2011-2019	2	1	Behavioral Risk Factor Surveillance System
Diabetes	The percentage of adults who have been diagnosed with diabetes.	State	percentage	2011-2019	2	1	Behavioral Risk Factor Surveillance System
	The (reported and modelled) percentage of adults who have been diagnosed with diabetes.	County	percentage	2004-2017	4	1	Centers for Disease Control and Prevention
Heart attack	The percentage of adults who have experienced myocardial infarction (heart attack).	State & County	percentage	2011-2019	2	1	Behavioral Risk Factor Surveillance System
Disability weighted prevalence of infectious diseases	The age standardized rate of years lived with disability from all communicable and nutritional diseases.	State (State value used for counties in state)	years / 100,000 population	2004-2019	1	0.5	Institute for Health Metrics and Evaluation
Self-reported poor physical health	The percentage of adults who responded "14 or more days" to the question "Now thinking about your physical health, which includes physical illness and injury, for how many days during the past 30 days was your physical health not good?"	State	percentage	2011-2019	2	1	Behavioral Risk Factor Surveillance System
	The (reported and modelled) percentage of adults who responded "14 or more days" to the question "Now thinking about your physical health, which includes physical illness and injury, for how many days during the past 30 days was your physical health not good?"	County	percentage	2016-2021	0	1	County Health Rankings

Longevity (weight = 20%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Maternal mortality	The death rate from maternal hemorrhage; maternal sepsis and other maternal infections; maternal hypertensive disorders; maternal obstructed labor and uterine rupture; maternal abortion, miscarriage, and ectopic pregnancy; indirect maternal deaths; late maternal deaths; other maternal disorders; maternal deaths aggravated by HIV/AIDS.	State & County	deaths / 100,000 population	2004-2019 (County) 2005-2014	2	0.5	Institute for Health Metrics and Evaluation
Under 5 mortality	The 0-5 death rate.	State & County	deaths / 100,000 under 5 population	2004-2019	2	1	Centers for Disease Control and Prevention
5-14 mortality	The 5-14 death rate.	State & County	deaths / 100,000 5-14 population	2004-2019	2	0.5	Centers for Disease Control and Prevention
15-64 mortality	The 15-64 death rate.	State & County	deaths / 100,000 15-64 population	2004-2019	2	2	Centers for Disease Control and Prevention
Mortality risk 65-85	The chance of a 65 year-old dying before they reach the age of 85, expressed as a percentage.	State & County	percentage	2005-2014	3	1	Institute for Health Metrics and Evaluation

Education

Pre-Primary Education (weight = 5%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Pre-primary enrollment	The percentage of 3-4 year olds enrolled in school.	State & County	percentage	2010-2019	2	2	US Census Bureau, American Community Survey
State pre-K quality	State pre-school quality along a checklist of ten measures.	State (State value used for counties in state)	index score, 0-10	2012-2019	2	1	National Institute for Early Education Research

Primary Education (weight = 20%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Math grade 4 score	The average scale score of students taking the mathematics grade 4 exam.	State	scale score, 0-500	2005-2019	1	2	National Assessment of Educational Progress
Math grade 4 level	The average grade level of Grade 4 students in math.	County	grade level	2009-2017	4	2	Stanford Education Data Archive
Science grade 4 score	The average scale score of students taking the science grade 4 exam.	State (State value used for counties in state)	scale score, 0-300	2009-2015	1	2 (County) 1.5 ⁵	National Assessment of Educational Progress
Reading grade 4 score	The average scale score of students taking the reading grade 4 exam.	State	scale score, 0-500	2005-2019	1	2	National Assessment of Educational Progress
English, language and arts grade 4 level	The average grade level of Grade 4 students in english, language and arts.	County	grade level	2009-2017	4	2	Stanford Education Data Archive
Primary enrollment	The percentage of 5-9 year olds enrolled in school.	State & County	percentage	2010-2019	2	1	US Census Bureau, American Community Survey

5. This indicator has a weight of 1.5 in the county level Index, as there is no county level variation.

Secondary Education (weight = 25%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Math grade 8 score	The average scale score of students taking the mathematics grade 8 exam.	State	scale score, 0-500	2005-2019	1	1.5	National Assessment of Educational Progress
Math grade 8 level	The average grade level of Grade 8 students in math.	County	grade level	2009-2017	4	1.5	Stanford Education Data Archive
Science grade 8 score	The average scale score of students taking the science grade 8 exam.	State (State value used for counties in state)	scale score, 0-300	2009-2015	1	1.5 (County) ¹⁶	National Assessment of Educational Progress
Reading grade 8 score	The average scale score of students taking the reading grade 8 exam.	State	scale score, 0-500	2005-2019	1	1.5	National Assessment of Educational Progress
English, language and arts grade 8 level	The average grade level of Grade 8 students in english, language and arts.	County	grade level	2009-2017	4	1.5	Stanford Education Data Archive
High school graduation rate	The four-year adjusted cohort graduation rate from high school.	State	percentage	2011-2018	1	1	United States Department of Education
	The four-year adjusted cohort graduation rate from high school.	County	percentage	2010-2021	0	1	County Health Rankings
Secondary enrollment	The percentage of 15 to 17 year olds enrolled in school.	State & County	percentage	2010-2019	2	1	US Census Bureau, American Community Survey

6. This indicator has a weight of 1 in the county level Index, as there is no county level variation.

Tertiary Education (weight = 25%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
College enrollment	The percentage of 18 to 24 year olds enrolled in college.	State & County	percentage	2009-2019 (County) 2010-2019	2	1	US Census Bureau, American Community Survey
College graduation rate	The percentage of first-time full-time bachelor's degree-seeking students earning any formal award (certificate, associate, or bachelor's degree) within six years from Title IV degree-granting institutions.	State (State value used for counties in state)	percentage	2004-2019	1	1	National Center for Education Statistics
University quality for enrolled students	The score given to the top 1000 Universities according to QS Ranking, weighted by enrollment and normalised by overall state tertiary enrollment.	State (State value used for counties in state)	Legatum Institute score	2013-2021	0	1	QS World University Rankings
Community college graduation rate	Percentage of first-time two year degree-seeking students earning any formal award within three years from Title II degree-granting institutions.	State & County	percentage	2004-2019	2	0.5	National Center for Education Statistics

Adult Skills (weight = 25%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Adult population with at least a high school diploma	The percentage of the over 25 population with at least a high school diploma.	State & County	percentage	2010-2019	2	1	US Census Bureau, American Community Survey
Adult population with bachelor's degree or higher	The percentage of the over 25 population with a bachelor's degree or higher.	State & County	percentage	2010-2019	2	1	US Census Bureau, American Community Survey

Natural Environment

Emissions (weight = 25%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
CO2 emissions	The average of two normalized scores for CO2 emissions/per capita and CO2 emissions/Gross State Product.	State & County	index, 0-1	2004-2018 (County) 2008-2017	3 (County) 4	2	United States Energy Information Administration
Nitrous oxide emissions	The average of two normalized scores for nitrous oxide emissions/per capita and nitrous oxide emissions/Gross State Product.	State & County	index, 0-1	2004-2018 (County) 2008-2017	1 (County) 4	0.5	United States Environmental Protection Agency
Carbon monoxide emissions	The average of two normalized scores for carbon monoxide emissions/per capita and carbon monoxide emissions/Gross State Product.	State & County	index, 0-1	2004-2018 (County) 2008-2017	1 (County) 4	0.5	United States Environmental Protection Agency
Sulfur dioxide emissions	The average of two normalized scores for sulfur dioxide emissions/per capita and sulfur dioxide emissions/Gross State Product.	State & County	index, 0-1	2004-2018 (County) 2008-2017	1 (County) 4	0.5	United States Environmental Protection Agency
Ozone emissions	The average of two normalized scores for volatile organic compound emissions/per capita and volatile organic compound/Gross State Product	State & County	index, 0-1	2004-2019 (County) 2008-2017	1 (County) 4	0.5	United States Environmental Protection Agency

Exposure to Air Pollution (weight = 25%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Life years lost from air pollution	The rate of disability adjusted life years lost from air pollution (ambient particulate matter pollution, ambient ozone pollution and household air pollution from solid fuels).	State	DALYs / 100,000 population	2004-2019	1	2	Institute for Health Metrics and Evaluation
Life expectancy loss from air pollution	Life expectancy loss in 2015 from PM2.5 exceeding the observed minimum of 2.8 µg/m3.	County	years	2015	5	2	Bennett et al. 2019.
Toxic air releases	The volume of toxic chemicals released by air per square mile.	State & County	lb / square mile*	2005-2019 (County) 2010-2019	2	1	United States Environmental Protection Agency
PM2.5 emissions	The volume of PM2.5 emissions per square mile.	State & County	ton / square mile*	2004-2019 (County) 2008-2017	1 (County) 4	1	United States Environmental Protection Agency
Lead emissions	The volume of lead emissions per square mile.	State & County	lb / square mile*	2008-2017	4	1	United States Environmental Protection Agency

Forest, Land and Soil (weight = 20%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Toxic land releases	The net toxic land releases in pounds (lb) per square mile of area.	State & County	lb / square mile*	2017-2018 (County) 2015-2018	3 (County) 1	1	United States Environmental Protection Agency
Rural parks and wildlife areas	The percentage of total land area made up of rural parks and wildlife areas.	State (State value used for counties in state)	percentage	2007-2012	5	1	United States Department of Agriculture - Economic Research Service
Compliant underground storage tanks facilities	The proportion of underground storage tanks facilities which are in compliance with requirements for detection and prevention of release.	State (State value used for counties in state)	percentage	2009-2020	1	1	United States Environmental Protection Agency
Exposure to pesticides	The rate of pesticide exposure, (any pesticide).	State (State value used for counties in state)	number / 100,000 population	2004-2017	2	1	CDC National Environmental Public Health Tracking Network
Tree canopy cover	The percentage of total land area made up of tree canopy cover.	State & County	percentage	2016 (County) 2011-2016	4	1	National Land Cover Database
Wetlands and deepwater habitats	The percentage of total land area made up of wetlands and deepwater habitats. Wetland types include freshwater - forested and shrub wetland, freshwater emergent wetland, freshwater pond, estuarine and marine wetland, riverine, lakes and other freshwater wetland.	State & County	percentage	2019	0	1	United States Fish and Wildlife Service

Freshwater (weight = 20%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
Good quality rivers and streams	The percentage of a state's rivers and streams that meet eligibility criteria for their attainment status to be considered "Good".	State (State value used for counties in state)	percentage	2010-2016	0	0.5	United States Environmental Protection Agency
Good quality lakes, reservoirs and ponds	The percentage of a state's lakes, reservoirs and ponds that meet eligibility criteria for their attainment status to be considered "Good".	State (State value used for counties in state)	percentage	2010-2016	0	0.5	United States Environmental Protection Agency
Total freshwater withdrawals per capita	Total freshwater withdrawal per 1,000 population in Mgal/d. This is made up of public supply, domestic supply, industrial use, irrigation, livestock, aquaculture, mining and thermoelectric.	State & County	million gallons per day /1,000 population*	2005-2015	0	1	United States Geological Survey
Toxic water releases	The net toxic water releases in pounds (lb) per square mile of area, including the quantity of chemicals released from facilities to receiving streams or other water bodies.	State & County	lb / square mile*	2017-2018 (County) 2015-2018	1	1	United States Environmental Protection Agency

Preservation Efforts (weight = 10%)

Indicator Name	Description	Index	Unit (* = logged)	Years of coverage	Index year offset	Factor	Source
GAP 1 Protected areas	The percentage of total state area protected under GAP 1. GAP 1 is the highest level of environmental protection afforded to a piece of land, more stringent than GAP 2 and GAP 3.	State (State value used for counties in state)	percentage	2017	0	2	United States Geological Survey
GAP 2 Protected areas	The percentage of total state area protected under GAP 2. GAP 2 is the middle level of environmental protection afforded to a piece of land, more stringent than GAP 3, but less than GAP 1.	State (State value used for counties in state)	percentage	2017	0	1.5	United States Geological Survey
GAP 3 Protected areas	The percentage of total state area protected under GAP 3. GAP 3 is the lowest level of environmental protection afforded to a piece of land, less stringent than GAP 2 and GAP 1.	State (State value used for counties in state)	percentage	2017	0	1	United States Geological Survey

APPENDIX III: SUMMARY STATISTICS FOR PILLARS AND ELEMENTS

State level

Summary statistics by pillar

Pillar	Mean	Min score	Max score	Standard deviation	Correlation with Prosperity Index score
Safety and Security	3	13	0	13	0.6
Personal Freedom	4	19	1	18	0.7
Governance	3	12	0	12	0.6
Social Capital	4	24	1	23	0.6
Business Environment	5	19	1	18	0.7
Market Access and Infrastructure	3	16	6	10	0.5
Economic Quality	4	19	1	18	0.4
Living Conditions	6	21	3	18	0.9
Health	6	33	9	24	0.9
Education	5	17	1	16	0.9
Natural Environment	5	23	3	20	0.5

Summary statistics by element

Pillar	Element (Weight)	Mean	Min score	Max score	Standard deviation	Correlation with Prosperity Index score
Safety and Security	Mass Killings and Injuries	77.9	19.3	100.0	14.0	0.4
	Violent Crime	54.0	20.7	81.4	12.6	0.6
	Property Crime	56.6	35.1	84.3	13.4	0.6
Personal Freedom	Agency	71.5	41.9	99.2	15.6	0.7
	Freedom of Association and Speech	34.8	0.0	60.0	16.5	-0.3
	Absence of Legal Discrimination	44.3	1.9	85.2	21.3	0.4
	Social Tolerance	62.3	39.5	77.7	10.1	0.7
Governance	Political Accountability	64.4	32.0	93.0	12.8	0.3
	Rule of Law	56.4	13.5	100.0	24.4	0.5
	Government Integrity	56.6	33.4	84.1	11.6	0.6
Social Capital	Personal and Family Relationships	69.4	45.6	85.7	9.2	0.7
	Social Networks	42.4	6.7	87.7	15.8	0.5
	Institutional Trust	45.5	18.9	75.6	12.6	0.5
	Civic and Social Participation	40.6	21.1	72.3	12.4	0.5

Pillar	Element (Weight)	Mean	Min score	Max score	Standard deviation	Correlation with Prosperity Index score
Business Environment	Financing Ecosystems	52.7	8.0	98.7	22.4	0.7
	Domestic Market Contestability	48.0	0.6	81.2	18.0	0.3
	Burden of Regulation	52.2	7.2	91.8	18.3	0.3
	Labor Market Flexibility	52.7	12.8	79.9	19.0	-0.4
	Price Distortions	71.3	34.2	100.0	14.6	-0.4
Infrastructure	Communications	51.0	26.8	77.0	12.0	0.5
	Resources	59.5	32.5	90.5	12.3	0.0
	Transport	47.8	14.2	76.4	13.6	0.3
Economic Quality	Fiscal Sustainability	56.5	2.5	85.8	17.7	0.0
	Productivity and Competitiveness	50.8	17.4	97.4	19.9	0.4
	Dynamism	50.9	26.2	79.2	10.5	0.1
	Labor Force Engagement	42.6	15.2	75.9	15.1	0.2

Pillar	Element (Weight)	Mean	Min score	Max score	Standard deviation	Correlation with Prosperity Index score
Living Conditions	Material Resources	66.2	25.2	93.5	15.5	0.9
	Nutrition	65.5	30.6	92.4	13.7	0.9
	Water Services	73.1	35.3	93.2	13.2	0.4
	Shelter	69.0	17.8	90.3	15.4	0.0
	Connectedness	81.9	63.7	94.7	7.2	0.7
	Protection from Harm	56.0	17.9	91.6	17.5	0.5
Health	Behavioral Risk Factors	59.0	38.0	81.1	10.5	0.6
	Preventative Interventions	55.1	31.6	85.9	11.5	0.7
	Care Systems	59.9	37.7	83.1	9.5	0.4
	Mental Health	51.3	23.7	71.4	11.8	0.5
	Physical Health	59.4	8.4	89.7	18.0	0.8
	Longevity	63.7	21.6	90.2	16.9	0.8
Education	Pre-Primary Education	49.3	4.8	89.7	19.7	0.1
	Primary Education	55.8	34.0	75.6	10.2	0.7
	Secondary Education	56.4	23.3	76.7	11.2	0.7
	Tertiary Education	44.4	26.3	64.1	9.4	0.6
	Adult Skills	54.5	24.3	92.5	14.7	0.8

Pillar	Element (Weight)	Mean	Min score	Max score	Standard deviation	Correlation with Prosperity Index score
Natural Environment	Emissions	64.9	15.4	98.0	17.1	0.4
	Exposure to Air Pollution	65.4	46.9	87.2	10.9	0.2
	Forest, Land and Soil	43.2	20.9	72.2	13.0	0.4
	Freshwater	51.1	26.0	77.5	13.3	0.3
	Preservation Efforts	21.2	0.5	70.3	18.0	0.0

State level

Summary statistics by pillar

Pillar	Mean	Min score	Max score	Standard deviation	Correlation with Prosperity Index score
Safety and Security	66.9	26.5	97.2	15.3	0.4
Personal Freedom	53.6	34.6	66.8	8.3	0.7
Governance	56.1	40.1	78.4	11.2	0.8
Social Capital	51.1	29.7	69.3	8.8	0.7
Business Environment	46.5	18.2	74.2	7.2	0.4
Market Access and Infrastructure	47.2	23.3	70.5	9.7	0.4
Economic Quality	55.3	32.3	75.9	7.5	0.3
Living Conditions	63.9	36.0	86.6	9.0	0.8
Health	53.9	31.2	79.2	9.6	0.9
Education	52.0	28.1	80.2	8.7	0.8
Natural Environment	52.7	25.8	70.5	6.9	0.3

Summary statistics by element

Pillar	Element (Weight)	Mean	Min score	Max score	Standard deviation	Correlation with Prosperity Index score
Safety and Security	Mass Killings and Injuries	97.8	44.4	100.0	8.0	0.0
	Violent Crime	66.0	25.8	100.0	18.5	0.3
	Property Crime	54.9	9.7	93.4	19.6	0.5
Personal Freedom	Agency	64.9	29.5	93.4	12.6	0.7
	Freedom of Association and Speech	33.6	0.0	47.3	13.3	-0.3
	Absence of Legal Discrimination	35.5	1.9	69.1	21.2	0.5
	Social Tolerance	67.3	45.8	89.6	8.3	0.6
Governance	Political Accountability	65.5	51.7	93.0	11.7	0.6
	Rule of Law	49.2	19.5	80.0	17.1	0.6
	Government Integrity	55.1	37.5	80.1	12.2	0.7
Social Capital	Personal and Family Relationships	64.6	36.9	86.7	9.2	0.8
	Social Networks	43.2	10.7	80.7	16.4	0.6
	Institutional Trust	60.3	10.5	95.4	10.1	0.2
	Civic and Social Participation	40.5	21.2	74.9	11.3	0.6

Pillar	Element (Weight)	Mean	Min score	Max score	Standard deviation	Correlation with Prosperity Index score
Business Environment	Financing Ecosystems	34.3	4.4	97.3	17.8	0.3
	Domestic Market Contestability	51.2	0.6	78.1	16.8	0.4
	Burden of Regulation	40.0	18.4	76.5	13.4	0.3
	Labor Market Flexibility	60.1	12.8	79.9	18.7	-0.5
	Price Distortions	74.3	58.3	90.1	10.3	-0.4
Infrastructure	Communications	39.4	0.0	87.7	21.5	0.3
	Resources	55.0	16.9	91.4	13.0	0.4
	Transport	50.6	18.3	71.5	8.6	-0.1
Economic Quality	Fiscal Sustainability	54.6	20.6	81.3	12.1	0.1
	Productivity and Competitiveness	60.7	14.2	100.0	17.8	0.1
	Dynamism	55.2	13.8	85.6	11.3	-0.1
	Labor Force Engagement	51.4	18.0	79.9	11.6	0.6

Pillar	Element (Weight)	Mean	Min score	Max score	Standard deviation	Correlation with Prosperity Index score
Living Conditions	Material Resources	62.1	16.3	94.0	13.8	0.8
	Nutrition	60.2	34.4	87.6	10.9	0.8
	Water Services	68.0	10.1	100.0	22.6	0.3
	Shelter	60.6	10.6	92.5	12.7	0.2
	Connectedness	72.3	6.9	99.9	17.4	0.3
	Protection from Harm	61.8	14.2	98.6	14.1	0.4
Health	Behavioral Risk Factors	54.1	25.3	88.8	10.7	0.4
	Preventative Interventions	50.0	32.2	71.4	8.8	0.6
	Care Systems	53.6	18.5	85.1	14.5	0.6
	Mental Health	55.1	23.6	81.9	11.1	0.4
	Physical Health	48.9	12.0	88.9	16.8	0.8
	Longevity	61.2	24.6	93.2	13.6	0.8
Education	Pre-Primary Education	49.5	10.0	93.3	16.6	0.1
	Primary Education	57.5	13.3	94.9	13.0	0.5
	Secondary Education	63.1	17.8	92.6	11.4	0.6
	Tertiary Education	40.7	18.4	74.1	8.2	0.5
	Adult Skills	48.4	0.0	97.6	15.9	0.7

Pillar	Element (Weight)	Mean	Min score	Max score	Standard deviation	Correlation with Prosperity Index score
Natural Environment	Emissions	47.5	2.4	74.0	12.4	0.3
	Exposure to Air Pollution	64.2	8.2	97.2	15.1	0.3
	Forest, Land and Soil	46.9	18.1	76.0	9.6	0.0
	Freshwater	69.1	20.1	89.7	13.4	-0.2
	Preservation Efforts	15.8	3.1	70.3	16.6	0.2

APPENDIX IV: DEGREE OF IMPUTATION BY STATE

State level⁷

State	Overall Prosperity	Safety and Security	Personal Freedom	Governance	Social Capital	Business Environment	Market Access and Infrastructure	Economic Quality	Living Conditions	Health	Education	Natural Environment
District of Columbia	11.1%	0.0%	42.1%	50.0%	0.0%	5.3%	0.0%	31.6%	9.5%	0.0%	5.9%	0.0%
Wyoming	1.4%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	4.8%	3.0%	0.0%	0.0%
Alaska	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.8%	0.0%	5.9%	0.0%
Hawaii	0.9%	0.0%	0.0%	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%
Vermont	0.9%	0.0%	0.0%	0.0%	0.0%	5.3%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%
Alabama	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%
Arkansas	0.5%	0.0%	0.0%	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
California	0.5%	0.0%	0.0%	0.0%	3.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delaware	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%
Indiana	0.5%	0.0%	0.0%	0.0%	3.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
New Jersey	0.5%	0.0%	0.0%	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Dakota	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%

⁷ Only States with some degree of imputation are shown in this table. States not shown have no imputed values.

County level⁸

State	Overall Prosperity	Safety and Security	Personal Freedom	Governance ⁹	Social Capital	Business Environment	Market Access and Infrastructure	Economic Quality	Living Conditions	Health	Education	Natural Environment
Nebraska	15.1%	6.9%	4.8%	N/A	40.4%	0.1%	3.3%	15.6%	21.4%	31.1%	8.5%	4.1%
Montana	14.4%	6.9%	4.4%	N/A	40.2%	0.4%	2.0%	11.7%	18.3%	33.0%	7.2%	2.4%
Kentucky	13.3%	5.1%	5.0%	N/A	39.4%	0.1%	0.0%	13.2%	16.5%	29.7%	5.1%	1.3%
Minnesota	12.2%	5.3%	4.1%	N/A	35.0%	0.2%	0.3%	12.7%	15.7%	28.1%	4.2%	1.1%
Colorado	12.0%	5.6%	4.1%	N/A	32.1%	0.2%	1.0%	8.9%	15.3%	29.1%	6.1%	2.1%
Oklahoma	11.8%	6.0%	4.1%	N/A	33.2%	0.2%	0.0%	10.9%	13.0%	29.0%	4.6%	1.2%
Iowa	11.8%	6.1%	4.3%	N/A	34.6%	0.1%	0.0%	8.5%	13.9%	29.4%	4.5%	0.1%
Texas	11.8%	5.3%	3.7%	N/A	31.6%	0.1%	0.0%	8.9%	15.2%	29.6%	5.6%	1.6%
Georgia	10.4%	4.2%	3.4%	N/A	26.9%	0.2%	0.2%	7.0%	13.2%	27.9%	5.0%	0.8%
Florida	9.2%	2.6%	4.3%	N/A	30.4%	0.1%	0.2%	9.3%	8.7%	19.0%	4.0%	1.6%
California	8.1%	2.7%	3.5%	N/A	23.0%	0.2%	0.0%	4.1%	10.5%	21.6%	2.4%	0.5%
New York	7.2%	2.9%	2.5%	N/A	20.0%	0.0%	0.0%	5.1%	11.5%	18.0%	2.4%	0.1%

8. The percentage of county level indicators, within the eight selected states, that have some degree of imputation.

9. There is no county variation in the Governance pillar, so all counties within a state are given the state score.

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CREATING THE PATHWAYS FROM POVERTY TO PROSPERITY

PROSPERITY INDEX

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