Institute Beacon Hill

18th Annual State State Competitiveness Report

State Rankings 2018 by State

CON HILL M						Subin	dexes, F	Result	s in 201	8 (18	th Editic	on) by <i>i</i>	Alphabe	tical	Order			
HILL WOITHE	Ove	erall	Govt &	Fiscal	Secu		InfrS		Hum		Тес		Biz Ind		Open	ness	Enviro	
	Index	Rank	Pol I	icy R	I	R	1	R	Resou	rces R	1		I		open			R
Alabama	4.183	40	5.74	N 9	-	44	5.38	21	3.65	46	4.97	R 25	4.976	R 29	4.765	R 29	4.57	38
Alaska	3.744	45	4.564	37	4.635	31	4.63	36	3.82	43		41	3.515	46	5.66	14		8
Arizona	5.063	24	7.047	2		39	5.06	27	4.39	36		30	4.645	34	4.893	28		19
Arkansas	4.216	39	5.67	11		34	5.61	17	3.67	45		48	5.112	24	4.113	40		13
California	5.317	20	3.826	44	4.3	35	4.24	41	4.61	31	5.45	10	6.606	4	6.38	5		17
Colorado	5.923	10	5.83	8		25	4.95	29	5.85	10	5.86	6	5.041	27	4.376	36		16
Connecticut	4.513	33	3.6	47	6.05	5	2.94	48	5.76	11	6.28	5	3.259	50	6.196	8		35
Delaware	4.028	42	3.987	42	4.649	30	4.21	42	5.00	27	4.664	31	6.26	7	5.712	12		48
Florida	5.231	22	6.234	5		41	5.97	10	4.54	33		39	5.597	12	5.885	10		41
Georgia	5.564	14	5.19	23	4.61	33	5.95	11	3.81	44	5.11	19	6.136	8		21	5.35	18
Hawaii	3.93	43	3.665	46		18	2.40	50	5.64	14	-	43	4.461	36		16		7
Idaho	6.282	5	4.66	35		10	6.07	5	5.25	21	4.419	38	6.465	5	3.682	46		2
Illinois	4.087	41	3.578	48		36	5.27	24	4.91	29		17	3.746	43	6.737	4	3.984	42
Indiana	4.955	27	6.739	3		40	5.73	15	4.94	28		22	5.372	15		15		50
lowa	6.878	2	4.901	28		3	5.82	13	6.39	4		24	5.084	26	4.531	33		6
Kansas	5.622	13	4.921	27	5.759	11	5.79	14	5.35	19		33	5.19	21	4.457	35	-	15
Kentucky	4.815	31	5.504	15		22	6.00	8	4.28	38		44	4.647	33	5.708	13		40
Louisiana	3.136	49	5.481	16		48	5.11	26	3.43	49		46	5.561	13		19	_	49
Maine	4.938	28	4.449	40	-	7	4.58	38	5.42	17	4.442	36	4.851	31	4.63	30	5.57	14
Maryland	4.96	26	4.757	30		43	3.69	44	5.71	12	8.42	2	3.569	44	4.999	26		34
Massachusetts	7.75	1	4.746	31	5.52	19	3.17	46	7.28	1	8.535	1	6.68	3	6.257	6		37
Michigan	5.391	15	7.244	1		42	5.04	28	4.84	30		14	3.503	47	5.95	9	-	28
Minnesota	6.029	7	4.673	34		12	5.38	20	6.88	3		27	3.856	42	5.333	20		10
Mississippi	3.82	44	5.347	18	5.73	13	4.84	31	2.78	50		35	5.219	19	3.672	47	5.061	26
Missouri	4.49	35	5.511	14		49	5.22	25	5.15	25	-	18	5.1	25	4.073	41		25
Montana	5.103	23	4.542	38		20	6.13	4	5.10	26		29	4.984	28	2.781	50		5
Nebraska	6.144	6	5.179	24		8	6.04	7	5.87			34	4.762	32	4.121	39	6.55	4
Nevada	4.517	32	6.537	4	3.7	46	6.07	6	3.61	47	-	49	4.914	30	6.231	7		39
New Hampshire	5.381	16	5.525	13		29	3.34	45	7.17	2		15	5.125	23	4.904	27		31
New Jersey	2.846	50	1.874	50	5.71	15	2.81	49	5.40	18	4.89	26	3.537	45	6.82	2		45
New Mexico	3.74	46	5.549	12	2.94	50	4.81	34	3.56	48	5.30	16	5.181	22	3.77	43		12
New York	5.023	25	3.684	45		21	3.80	43	5.27	20		9	4.27	39	6.969	1		22
North Carolina	5.915				4.611	32	5.98	9		37		3		6			4.809	
North Dakota	5.853	12	5.212	22		37	6.21	2		5			5.547		4.563		4.969	29
Ohio	4.51	34			5.312	23	5.67	16		32			4.459		5.041	23		46
Oklahoma	3.68	47			4.837	27	4.94	30			4.043		5.292		3.756		5.241	21
Oregon	5.347	17	5.222		5.625	16	5.37	22	4.50	34			3.929		4.215		6.877	1
Pennsylvania	4.344		4.538		4.148	38	4.74	35		23			4.352		5.034		3.904	43
Rhode Island	4.34	37	4.72		5.822	9	3.16	47	5.51		5.422	12			5.507		4.835	
South Carolina	4.923		5.682		3.857	45	4.81	33			4.428		5.712		5.789		5.067	24
South Dakota	6.305	4		25		4	6.20	3			3.925	47	7.35	1			5.868	9
Tennessee	4.322	38			3.575	47	5.86	12		41			5.337	16	4.535			36
Texas	6.695		6.161	6		28	6.44	1			5.365		5.795	9		3		30
Utah	5.984	8			5.722	14	5.50	19		7			6.994	2			3.482	47
Vermont	5.27	21			7.222	2	4.31	40			4.629		4.147	40			5.826	11
Virginia	5.947	9		19		17	4.83	32	5.96	8		23		17	5.02	25		20
Washington	5.319	-	4.768		4.875	26	4.52	39			5.819	7			5.532		6.691	3
West Virginia	3.43		5.446		5.949	6	4.60	37	4.13		3.958		4.507		3.759		3.779	44
Wisconsin	5.324		4.719		5.205	24	5.28	23			5.558		5.211		4.068		5.114	
	4.88				7.504	1	5.52	18			3.555		5.701		3.642		5.031	27

From the Project Manager



The Beacon Hill Institute is pleased to release its 18th Annual State Competitiveness Report. This edition comes during the trying times of pandemic outbreak, lockdowns and uncertainty. As the nation contends with both a COVID-19 outbreak and social unrest, it's important to remember one of the important features of the index: long-term economic growth matters. The ongoing crisis requires that state policymakers cannot underestimate the importance of economic growth in alleviating and solving current problems including how best to restart business activity, spur human ingenuity and rethink regulatory regimes.

Published since 2001, the report is centered on a comprehensive index that has increasingly drawn the attention of policymakers, economists, and public officials who are seeking to identify the strengths and weaknesses in their state's ability to promote economic growth.

The BHI Index is different from most state business climate indices. It goes beyond tax policy and regulatory analyses to establish more

comprehensive ranking categories. The BHI Index identifies how well a state performs in its ability to cultivate, for example, a solid base of scientists and engineers, a groundswell of patents, or a positive savings rate while keeping business costs to a minimum.

We expect that this year's edition will draw particular interest. Moreover, we look forward to capture the effects of the 2020 downturn in future iterations of our study. Such an exogenous shock is sure to displace some states that have perennially performed well since the index's inception. That makes the key to understanding the pillars of success all the more important.

There is a strong reason to believe that resilience will focus on the importance of human capital, suggesting that the overall health and educational attainment of its workers is as important as fiscal rectitude or natural endowments. Thus, states that are rich in natural resources have no guaranteed advantage over states that are rich in human capital. On the other hand, states that are rich in educational resources are not necessarily more competitive than states that are rich in fossil fuels.

This edition of the Competitiveness Report is the product of months of collaboration between Institute staff and the enthusiastic summer 2020 interns, who assisted in various aspects of data collection, production, and promotion. While learning the art of number- crunching, fact-checking, and Microsoft Excel programming along the way, these students improved their research and media skills. It's always an immense pleasure to work with tomorrow's economists on real-world analysis.

This year's contribution has been made possible by the leadership of Vanessa Robinson of Bay State College. Vanessa managed other interns in data collection and analysis. Responsible for the production of what you now hold in your hands, Caroline Pitman of Catholic University adeptly updated the Index's design and re-introduced the 50 state pages into this year's report. Benny Magid of Columbia University lent his prolific computer programming skills to create online data visualization of all of the data in the index where users can compare state performance across several variables.

We believe that the variety of experience each team member brings to the project is an example of human capital put to its best use. The soft skills of our team make the hard data easier to understand and in our current age show a path forward. We can't say it enough: for competitiveness, the deepening of human capital is essential for highly-motivated entities; whether they are states, metropolitan areas, or research organizations – like our own Beacon Hill Institute.

Hank Conte

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18h Annual BHI State Competitiveness Report



"We consider a state to be competitive if it has in place the policies and conditions that ensure and sustain a high level of per capita income and its continued growth."



Table 1																											
State Competitiven	ess Rank 20:		20	17	20)16	20	15	20	14	20	12	20	12	20	11	20	10	20	00	20	<u>^</u> 0	20	07	20	06	
			Index		Index			Rank		Rank	Index	rs Rank						Rank	Index	Rank		Rank	Index	Rank		Rank	1
Alabama	4.18	40	4.14	42	4.83	30	3.24	48	3.69	47	3.71	46	3.36	49	3.48	49	3.42	48	3.20	50	3.39	48	3.44	48	3.61	47	
Alaska	3.74	40	4.14	38	4.34	38	4.89	25	4.59	32	4.12	40	5.41	14	4.28	36	4.79	27	6.31	7	4.82	24	5.77	13	5.75	14	
Arizona	5.06	24	4.77	30	4.98		4.28	40	4.79	27	5.00	23	4.67	31	4.49	30	5.04	24	5.12	21	5.10	24	5.47	19	5.62	14	
Arkansas	4.22	39	4.77	29	4.38	40	4.28	40	3.83	46	4.02	42	4.07	41	4.49	34	4.16	38	4.23	38	4.03	43	3.54	46	3.61	46	
California	5.32	20	5.61	15	5.32	20	4.10	35	4.92	26	4.62	29	5.09	24	4.50	34	4.10	29	4.48	32	4.03	25	5.10	24	5.26	20	
Colorado	5.92	10	5.95	9	5.60		5.49	14	6.45	4	6.06	29	6.36	6	6.90	3	6.79	29	6.33	6	6.73	4	6.59	3	6.33	4	
	4.51	33	4.25	40	4.00		4.62	32	4.34	4	4.77	27	4.62	33	4.88	26	4.73	28	4.81	26	5.16	21	4.93	25	5.01	24	
Connecticut	4.03	42	4.25	35	4.00	29	4.62 5.40	17	4.34 5.47	40	5.33	27	5.32	17	4.88	20	4.73 5.19	28	5.16	20	5.37	19	4.95	25	5.01	24	
Delaware									-	21				25		18		12		20		-			-		
Florida	5.23 5.56	22 14	5.20 5.68	22 14	5.10 5.38		4.87 5.05	26 24	5.03 4.95	21	4.59	30 18	5.04 4.92	25	5.47 4.52	30	5.79 3.78	46	4.87 4.69	25	4.58	32 37	4.63	33 31	4.89 4.70	27 30	
Georgia	3.93	43	3.73	46	3.55	49	5.05	24	-	25	5.42	18 49	-	35			3.78 4.13	46		28	3.94	37 45	4.68	40	4.70	30 42	
Hawaii		-		-			-	-	4.99	-	3.55	-	4.44		5.38	20	-		4.72			-	4.30				
Idaho	6.28	5	6.12	7	6.14	6	5.24	21	5.33	15	5.73	13	5.38	16	5.61	16	5.37	18	6.12	10	6.58	5	6.24	5	6.06	6	
Illinois	4.09	41	2.94	49	3.70		4.49	37	4.42	37	3.85	45	4.23	38	3.90	44	4.49	34	4.33	36	4.45	33	4.43	36	4.51	33	
Indiana	4.96	27	5.07	25	5.13		4.12	41	4.42	38	4.23	37	4.06	43	3.91	43	4.35	37	4.26	37	4.37	36	3.91	44	3.72	45	
lowa	6.88	2	6.43	4	5.81	11	6.29	5	6.71	3	6.25	6	5.55	13	5.94	8	5.95	9	6.13	9	5.74	12	5.48	18	5.54	18	
Kansas	5.62	13	5.37	20	5.38		5.31	18	5.79	11	5.72	14	5.77	10	5.83	12	5.68	13	5.72	14	5.62	18	5.53	17	5.61	17	
Kentucky	4.81	31	4.43	34	4.71	32	4.80	30	4.37	39	4.27	35	3.91	44	3.87	46	4.08	41	3.95	43	4.21	38	4.31	39	4.14	39	
Louisiana	3.14	49	3.12	48	3.62	48	3.98	43	4.05	42	4.15	39	4.24	37	4.10	40	4.14	39	4.06	41	3.30	49	2.75	50	3.44	48	
Maine	4.94	28	5.38	19	4.30		5.27	20	5.19	17	4.95	24	4.69	30	4.56	28	4.65	32	5.05	23	4.70	26	4.45	35	4.33	36	
Maryland	4.96	26	4.82	28	4.41	36	4.59	33	4.70	29	5.26	21	5.21	20	5.20	23	4.81	26	4.48	31	4.66	28	5.12	23	5.13	23	
Massachusetts	7.75	1	7.57	1	7.34	1	7.91	1	8.10	1	7.57	1	7.77	1	7.34	1	6.76	3	7.04	1	7.33	1	7.07	2	7.28	1	
Michigan	5.39	15	5.06	26	4.63	33	4.84	29	4.77	28	4.41	32	4.87	28	4.90	25	4.59	33	4.47	33	4.60	30	4.16	41	4.46	34	
Minnesota	6.03	7	6.00	8	6.14	-	6.09	7	6.32	5	6.48	5	6.81	3	6.50	4	6.42	5	6.58	4	6.17	7	6.20	6	6.00	9	
Mississippi	3.82	44	4.00	44	3.77	45	2.86	50	3.17	50	3.51	50	3.11	50	3.05	50	2.88	50	3.29	49	3.12	50	2.97	49	3.02	50	
Missouri	4.49	35	4.65	31	4.52	34	4.86	28	4.60	31	4.74	28	4.64	32	4.43	33	4.71	30	4.44	34	4.61	29	4.87	26	4.58	31	
Montana	5.10	23	5.00	27	4.39	37	4.47	38	4.29	41	4.25	36	5.19	21	4.81	27	5.47	17	5.52	17	5.88	10	5.68	15	4.87	28	
Nebraska	6.14	6	6.43	3	6.19	4	6.19	6	6.17	7	6.51	4	5.75	11	5.97	6	6.36	6	5.55	16	5.68	14	5.82	11	5.97	11	
Nevada	4.52	32	4.16	41	4.95	26	3.90	44	3.85	45	4.37	34	4.84	29	4.17	37	5.47	16	5.35	19	5.64	15	4.73	28	4.79	29	
New Hampshire	5.38	16	6.23	6	6.08	8	6.37	4	6.28	6	6.85	3	5.67	12	5.84	11	5.91	10	5.70	15	5.63	17	5.88	9	6.60	3	
New Jersey	2.85	50	2.88	50	1.9	50	3.36	47	3.38	49	4.02	41	3.60	47	3.73	48	4.45	36	4.03	42	4.15	42	4.07	43	3.94	43	
New Mexico	3.74	46	4.08	43	3.98	44	3.21	49	3.41	48	3.88	44	3.67	46	4.00	41	3.74	47	4.14	40	4.39	34	4.72	29	4.22	38	
New York	5.02	25	4.63	32	4.76	31	4.86	27	4.98	24	4.80	26	4.59	34	4.53	29	4.66	31	4.37	35	4.38	35	4.37	38	4.44	35	
North Carolina	5.91	11	5.71	13	5.76	13	5.46	15	5.61	13	5.68	16	4.93	26	5.36	21	5.21	21	4.51	30	4.68	27	4.70	30	4.90	26	
North Dakota	5.85	12	6.51	2	7.09	2	7.14	2	7.07	2	7.06	2	6.99	2	7.29	2	7.39	1	6.93	2	6.75	3	6.36	4	6.27	5	
Ohio	4.51	34	4.25	39	4.88	28	4.55	34	4.60	30	4.39	33	4.14	40	3.90	45	3.91	43	3.68	47	3.95	44	3.89	45	3.91	44	
Oklahoma	3.68	47	3.44	47	3.71	46	3.87	45	3.90	43	3.70	47	3.68	45	4.35	35	3.82	45	3.91	44	4.17	40	4.68	32	4.13	40	
Oregon	5.35	17	5.59	16	5.45	16	5.27	19	5.11	19	5.37	19	5.15	22	5.56	17	5.60	15	6.11	11	5.97	8	5.74	14	5.66	15	
Pennsylvania	4.34	36	4.29	37	4.21	41	4.49	36	4.46	35	4.55	31	4.16	39	4.15	39	4.47	35	4.18	39	4.18	39	4.47	34	4.57	32	
Rhode Island	4.34	37	4.34	36	4.46		5.88	8	5.00	22	5.43	17	5.11	23	5.39	19	5.31	20	4.68	29	4.58	31	5.19	21	4.95	25	
South Carolina	4.92	29	5.20	21	5.13		4.35	39	4.45	36	4.19	38	4.10	42	3.80	47	3.98	42	3.86	45	3.93	46	4.07	42	4.28	37	
South Dakota	6.30	4	5.86	10	5.73		6.37	3	6.13	8	5.83	11	6.48	4	5.75	13	6.01	8	5.89	12	5.75	11	5.90	8	6.00	8	
Tennessee	4.32	38	4.61	33	4.92	27	4.70	31	4.58	33	3.97	43	4.27	36	4.17	38	3.84	44	3.76	46	4.16	41	4.41	37	4.01	41	
Texas	6.70	30	6.36	5	6.10		5.81	10	6.13	9	5.91	9	6.18	7	5.70	15	4.99	25	4.95	24	4.94	23	5.35	20	5.15	22	
Utah	5.98	8	5.72	12	6.51	3	5.67	13	5.27	16	6.01	8	6.42	5	6.33	5	6.22	7	6.65	3	6.79	23	7.39	1	7.12	2	
Vermont	5.27	21	5.19	23	5.96	J	5.85	9	5.10	20	5.78	12	5.25	19	5.72	14	5.36	19	5.48	18	5.69	13	5.78	12	5.95	12	
Virginia	5.95	9	5.54	17	5.89	-	5.69	12	5.75	12	5.88	12	6.03	9	5.96	7	5.81	19	5.80	13	5.64	15	5.62	12	5.98	12	
Washington	5.32	9 19	5.84	17	5.78		5.80	12	5.88	12	5.70	10	6.05	8	5.90	9	5.62	11	6.15	8	6.57	6	5.94	7	5.87	10	
	3.43	48	3.78	45	4.02	42	3.74	46	3.90	44		48	-	8 48	4.00	9 42		49		8 48	3.70	47	3.46	47		49	
West Virginia	5.32	48	5.13	24	4.02	25	3.74 5.24	22	5.17	18	3.57 5.15	48 22	3.52 5.26	48	5.35	22	3.27 5.18	23	3.54 5.07	48 22	5.33	20	5.15	22	3.32 5.27	49 19	
Wisconsin	4.88	30	5.13	18	4.96 5.44	-	5.24	16	4.54	34	4.85	22	5.26	18	5.35	10	6.54	23 4	6.37	5	5.33	20	5.15	10	6.00	7	
Wyoming	4.08	50	J.48	18	5.44	1/	3.45	10	4.54	54	4.65	25	5.40	15	5.67	10	0.54	4	0.37	Э	5.94	9	00.0	10	0.00	1	

How does one state create more economic activity, and hence more income for its citizens, than another state? What special characteristics or attributes lead to generating this higher income? Since 2001, Beacon Hill Institute's State Competitiveness Report and Index have identified the qualities that allow some states to excel in income generation, and the qualities that inhibit other states from attaining the same level of competitiveness. These questions quickly lead on to others:

- How are these qualities measured?
- What standard should be used to determine whether a state is competitive or not?
- Indeed, why is it even interesting to measure competitiveness?
- How does economic competitiveness differ from interstate competition for workers, firms, and capital?

These subsequent questions have been integral to economists since the time of Adam Smith. To paraphrase the great Nobel Laureate in Economics Robert Lucas, "Is there some action that the state of Alabama can take that could lead it to grow like Massachusetts? If so what exactly? If not, what is it about the 'nature of Alabama' that makes it so?"

The consequences involved with these questions are simply staggering. Once one starts to think about them, it is hard to think about anything else. (Lucas, 1988).

To this day regional economists have tackled the issue with all the sound and fury attached to policy debates. For nearly two decades, the State Competitiveness Index has tried to highlight the underpinnings of economic success. The impulse to generate performance rankings never cease and the academic debate about the determinants of state economic growth moves forward. Of equal importance to the academic debates are the inquiries from practitioners who place their state performance in not only BHI's Index for but other indices.

This State Competitiveness Report uses the questions above as a starting point. The indices are designed to measure the long-term competitiveness of an area, and use a similar approach to the one taken in BHI's earlier studies of state competitiveness.

In this most recent report, Massachusetts once again retained the leading position. The state of Iowa finished second, followed by Texas, South Dakota, Idaho, Nebraska, Minnesota, Utah, Virginia, and Colorado.

What is competitiveness?

We consider a state to be competitive if it has in place the policies and conditions that ensure and sustain a high level of per capita income and its continued growth. To achieve this, a state should be able to both attract and incubate new businesses, while providing provide an environment that is conducive to the growth of existing firms. Rather than implying head-to-head rivalry, competitiveness may be thought of as a catch-all term that covers what Michael Porter These are still very broad categories (Huggins (2005) calls "the microeconomic foundations et al, 2013) and so, following the Porterof prosperity."

Although individual states of the United States all face the same macroeconomic conditions set at the top – national fiscal, monetary, and trade policy. Where they differ from one another is in their microeconomic policies such as tax and regulatory regimes, their provision and emphasis on education, and their attractiveness to business. These policies matter. As Porter puts it, "Wealth is ... created at the microeconomic level ... in the ability of firms to create valuable goods and services using productive methods."

It follows that the outcome of competitiveness is greater affluence, measured by higher levels of per capita real Gross State Product (GSP) or personal income.

Quantifying competitiveness

To be useful as a concept, it is essential to have an operational measure of competitiveness, a measure that aggregates the key microeconomic variables into a single index. In its influential annual Global Competitiveness Report, the World Economic Forum does this for the countries of the world, but until BHI's index there has not been an equivalent at the state level. There are some more specialized rankings of the states, but none meets the criteria for measuring competitiveness as defined above, or has an equivalent breadth of coverage. We believe the Institute's index meets the challenge of providing a useful guide.

Using his celebrated "Diamond," Porter (1990) finds it helpful to group the factors determining competitiveness into four components: the quality of available inputs, the sophistication of local demand, the nature of local suppliers and the extent to which they form clusters, and the rules and institutions that govern the market.2



inspired Global Competitiveness Report, we classify our indicators into eight groups. The breakdown is as follows:

Government and Fiscal Policy: Businesses are more likely to be attracted to areas with moderate tax rates and clear evidence of financial discipline (as evidenced, for instance, by high state and municipal bond ratings, and budgetary balance). This subindex is designed to pick up these effects.

Security: A state will be more attractive to a business if public officials are trusted and crime is low. The security sub-index addresses these dimensions of competitiveness, with particular emphasis on the importance of public safety.

Infrastructure: How easy is commuting? Are roads in an acceptable condition? Do most households have access to high-speed broadband and telephone services? Is housing affordable? How expensive is energy? These are the elements of competitiveness that are included in the infrastructure sub-index for each state.

Human Resources: A high level of labor force participation, and skilled labor that is readily available and not too expensive, combined with a widespread commitment to education, training, and health care, make a state attractive for business. These factors are captured in the human resources sub-index.

Technology: Since the arrival of the industrial revolution, the development and application of technology have been central to economic development. The technology sub-index measures this by taking into account research funding, the number of patents awarded the proportion of scientists and engineers in the labor force, and the importance of high tech companies.

Business Incubation: A good idea is not

enough. The business also needs to be able to mobilize financing for investment, both internally and from the financial system. A higher rate of business births is a particularly clear sign of a competitive environment, and is an important component of the business incubation sub-index. Over the past few years, we have added two other variables: an index that tracks the potential costs of tort liability and a measure of the education-adjusted cost of labor.

Openness: Open economies tend to be more competitive and hence more productive, in addition to specializing more thoroughly in their areas of comparative advantage. The openness sub-index measures how connected the firms and people in a state are with the rest of the world. It is based on the level of exports and the percent of the population born abroad.

Environmental Policy: States that are faced with environmental problems or that have a heavy-handed policy of environmental regulation are likely to be less attractive to businesses, workers, and managers. We measured this effect with the environmental policy sub-index, which among other things reflects the levels of air pollution and toxic releases. Decent air quality is a measure that states are pursuing to improve the environment and attract workers and investors.

The eight categories are coherent, but there is inevitably some degree of overlap in the way that each data series is assigned to the sub-indices. For instance, the amount of air travel could be included in the infrastructure sub-index or the measure of openness and electricity prices could be included in the infrastructure sub-index or the environmental sub-index. In practice, the assignment of a data series is much less important than the fact that it is included at all. See Table 2 for a detailed breakdown.

A competitiveness index is simply a summary

measure based on a large number of variables. One difficult and controversial part is choosing a weighting scheme. Our approach is the simplest and most transparent: within each subindex, each variable carries equal weight. Then each sub-index is given the same weight when constructing the overall index. This has been referred to as a "democratic" weighting structure and is a reasonable artifact. At first sight, one might expect some series to move together, such as the level of taxation and the number of state employees. In practice, neither these series nor the others that make up the building blocks of our index, are closely correlated, suggesting that they are indeed picking up different facets of competitiveness.

Is the competitiveness index useful?

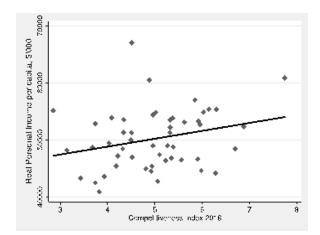
Do the indices of state competitiveness explain affluence and growth? If the index is properly constructed, then it should help explain why some areas are affluent while others are not. In our experiment we estimate an equation with the following general form:

Adjusted Personal Income per capita = a + b × Competitiveness Index

We use a measure of personal income per capita for 2018, the year that corresponds best to the timing of most of the component series that make up our most recent competitiveness index, since the cost of living varies from state to state, we adjust the raw numbers to take into account the differences using regional price parities generated by the Bureau of Economic Analysis (See Aten et. al 2015). This gives us the following estimated equation: Real personal income per capita in 2018 = 43,293 + 1,382 * Index

R2 = 0.069

A one-point rise in the index is associated with a \$1,382 per capita increase in real personal income. Note that personal income is adjusted for price differences across states. The coefficients are statistically significant (even using robust estimation, as done here). The mean value of real personal income per capita by this measure was \$50,200 in 2018. Therefore, an increase in the competitiveness index of one point is associated with a 2.75 percent increase in real per capita income. Here is the graph.



Putting the competitiveness index to work While it is interesting to look at the raw score, it's important to note, this may not be the most important use of the information from the exercise. The detailed data, both in individual variables

and the sub-indices, allow one to identify the determinants of competitiveness. This is of value to policymakers, who are then in a better position to identify what needs to be done, in order of priority, to improve the position of their states.

Improving Maryland's	Standing to 5.0	5 means
going from 24	th to 14th Place	2
Fiscal Policy	4.76	5
Security	4.02	5
Infrastructure	3.69	5
Human resources	5.71	5.71
Technology	8.42	8.42
Business	3.57	5
Openness	5	5
Environment	4.74	5

To elaborate, a higher competitiveness indicator index is associated with greater affluence.

A reasonable inference is that if one were to improve competitiveness, then residents of the state would be better off. And the greatest upside potential is for the indicators whose performance is currently weak. For instance, a low-

Maryland 2018	: 4.96. Rank: 26/50.	
Fiscal Policy	4.76	30
Security	4.02	43
Infrastructure	3.69	44
Human resources	5.71	12
Technology	8.42	2
Business	3.57	44
Openness	5	26
Environment	4.74	34

as having specialty publications such as Site Selection magazine turn to us regularly for our results. In fact, BHI has received significant press attention and fielded very many questions about our methodology. In fact, the State of Washington's

crime state may have trouble reducing the crime rate further, while for a highcrime state, efforts to reduce crime are likely to be an efficient way to boost competitiveness.

Raise every sub-index that is below 5 up to five (e.g. security index goes from 4.02 to 5 etc.). The overall index would rise from 4.99 to 5.52, and Maryland's ranking would jump from 24th to 14th. Department of Commerce gave the BHI index "A" grades for its transparency, methodology, and variability.

Which resulted in Legislatures and planning agencies to have sought ways to improve their rankings. Some of their proposals such as adjusting the cost of labor for educational attainment have long been incorporated. Thus, proving that institutions continue to matter in measuring economic growth.

Since 2001, when we began compiling these rankings, we have set out to invite the policymakers, citizens, and the media to scrutinize the detailed results contained here. We have also visited statehouses from across the country, and hosted discussions

with delegations from the Republic of Georgia, China, and other nations. As well

What next?

This represents an increase in the index of 0.53, which would be associated with \$732

more personal income per capita (i.e. a rise of

1.34% relative to its current real income per

capita of \$54,360).

Defining State Competitiveness

Additionally, some institutions have compared our rankings to those of other studies that stress economic freedom or low tax criteria. While BHI does agree that economic freedom and sound tax policy are important, such as the share of state tax collections in Gross State Product, we believe that other factors are equally important to competitiveness. These include such variables as the time that is required to travel to work, the availability of venture capital, the number of patents generated, and the importance of high-tech firms. For each state, we set out the main competitive strengths and weaknesses to give individuals a sense of where their home state has been and which direction it could be taking. Although our index does not claim to determine growth, our regression results provide a clear guidance on how states may achieve and maintain affluence. Therefore, it remains a useful guide for policymakers seeking to improve the policy environment.

Yet to be measured is the exogenous shock of the COVID-19 crisis. For instance, the crisis diminished the capacity of some states to respond more effectively than others. Which might cause those who responded early, and delayed reopening to see a slower recovery. Also worth noting are the profound shifts, such as the greater pressure to rethink global supply chains. The recent impulses toward protectionism at the national level may also impinge on a region's openness. Another example, will the decline in airline passenger traffic bear harder on some states than others? Or will structural shifts away from urban centers precipitated by work-at-home measures make states more productive?

(For a discussion on the centrality of cities to competitiveness see Kresl, 2013) Lastly, will COVID-19 change the level of foreign direct investment and immigration both of which are critical to growth? It is safe to say that, new questions will arise out of our current context, and the BHI index will remain a solid benchmark to answer them.

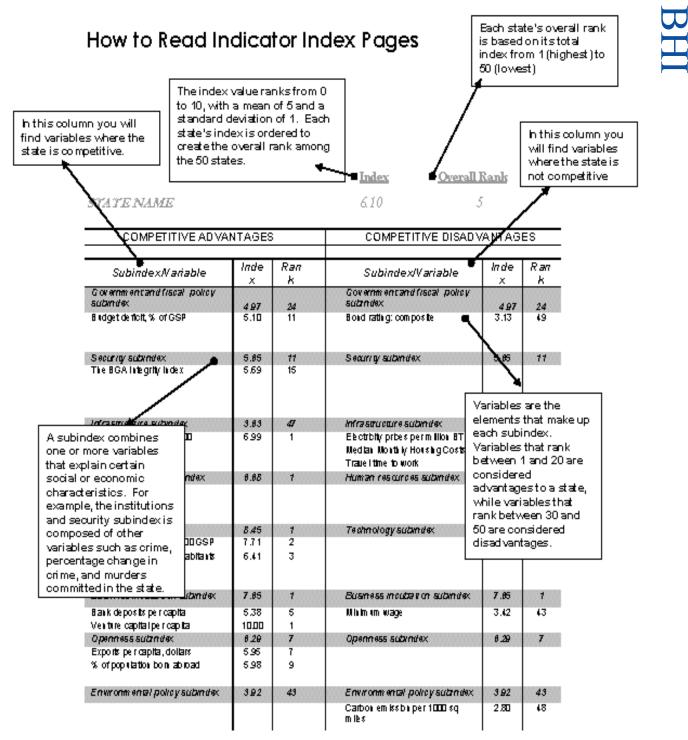
BHI

Sub-index	Competitiveness Indicators Index ("objective")
Government &	State and local taxes per capita /income per capita(-)
Fiscal Policy	Workers' compensation premium rates (-)
	Bond rating (composite of S&P's and Moody's, scale 1-25) (+)
	Budget surplus/deficit as % of Gross State Product (+)
	Average weekly payment to insured unemployed (-) Full-time-equivalent state and local government employees per 100 residents (-)
Security	Crime index per 100,000 inhabitants (-)
security	Change in crime index. YoY(-)
	Murders index per 100,000 inhabitants (-)
	The BGA Integrity Index (+)
Infrastructure	Quality of Roads (According to Transportation.Gov)
	Air passengers per capita (+)
	Average travel time to work (-)
	Electricity Prices per kWh (-)
	Average rent of 2 bedroom apartment (-)
Human	% of population without health insurance (-)
Resources	% of population aged 25 and over that graduated from high school (+)
	Unemployment rate, not seasonally adjusted (-)
	% of students enrolled in degree-granting institutions per 1000 (+)
	% of adults in the labor force (+)
	Infant mortality rate in deaths per 1,000 live births (-)
	Total active physicians per 100,000 inhabitants (+)
Zasharalara	% of students at or above proficient in mathematics, Grade 4 public schools (+)
Technology	Academic Science and Engineering R&D per \$1,000 GSP (+) NIH support to institutions in the state, per capita (+)
	Patents per 100,000 inhabitants (+)
	Number of S&E graduate students per 100,000 residents (+)
	S&E degrees awarded per 100,000 residents (+)
	Individuals in science and engineering occupations as % of the labor force (+)
	Employment in high-tech industry as a % of total employment(+)
Business	Deposits in commercial banks and savings institutions, per capita (+)
Incubation	Venture capital investment dollars per worker (+)
	Employer firm births per 100,000 inhabitants (+)
	IPO volume, in \$ per capita (+)
	% of labor force that is represented by unions (-)
	Minimum wage (-)
	Pacific Research Institute's Tort Liability Index (-)
	Cost of labor adjusted for educational attainment (-)
Openness	Exports per capita, \$ (+)
	Employment in majority-owned U.S. Affiliates in State/Total employment in State, (+) (proxy for Foreign Direct Investment)
	(proxy for Foreign Direct Investment) % of population born abroad (+)
Environmental	Toxic release inventory, on-site and off-site, total (new and original industries).
Policy	Toxic release inventory, on-site and on-site, total (new and original industries), pounds/so, miles (-)
roncy	Greenhouse Gas Emissions (million metric tons of carbon equivalent (MTCE) per 1000
	Sa. Miles) (-)
	Air quality (% good average days) (+)



"Although individual states of the United States all face the same macroeconomic conditions set at the top – national fiscal, monetary, and trade policy. Where they differ from one another is in their microeconomic policies such as tax and regulatory regimes, their provision and emphasis on education, and their attractiveness to business. These policies matter."







State Index





18h Annual BHI State Competitiveness Report

ALABAMA

<u>Index</u>	<u>Overall Rank</u>
4.18	40

BH

	2018		4.18	40				
COMPETITIVE ADVANTA	AGES		COMPETITIVE DISADVANTAGES					
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank			
Government and fiscal policy subindex	5.30	9	Government and fiscal policy subindex	5.30				
State and local taxes per capita /income per capita	5.41	14	Full-time-equivalent state and local government	4.49	37			
Bond rating: composite	5.27	19						
Average weekly payment to insured unemployed	6.55	3						
Security subindex	4.38	44	Security subindex	4.38	44			
The BGA Integrity Index	5.59	10	Crime index, per 100,000 inhabitants	4.03	44			
			Crime index change 2012-2013, %	4.24	47			
			Murder index, per 100,000 inhabitants	3.64	46			
nfrastructure subindex	5.16	21	Infrastructure subindex	5.16	21			
Quality of Roads	5.72	12	Air passengers per capita	4.23	46			
Average rent of 2 bedroom apartment	5.99	6						
Human resources subindex	4.13	46	Human resources subindex	4.13	46			
			% of population without health insurance	4.41	37			
			% of population aged 25 and over that graduated from high school	3.78	45			
			% of adults who are in the labor force	3.46	47			
			Infant mortality rate, deaths per 1000 live births	3.75	45			
			Rate of active physicians per 100,000 inhabitants	4.02	44			
			% of students at or above proficient in mathematics, grade 4 - public schools	3.69	45			
Technology subindex	4.97	25	Technology subindex	4.97	25			
Academic Science and Engineering R&D per \$1,000	5.61	10	Patents per 100,000 inhabitants	4.37	36			
NIH support to institutions per capita	4.95	20	Scientists and engineers as % of labor force	4.47	33			
Business incubation subindex	4.99	29	Business incubation subindex	4.99	29			
Ainimum wage	5.92	1	Total deposits (Commercial banks and Savings institutions) per capita	4.71	40			
Dent of Labor Adiustad for Educ Attainment	5.92	10	Venture capital per capita	4.57	46			
		10			43			
Cost of Labor Adjusted for Educ. Attainment			Employer firm births per 100,000 inhabitants	3.93	40			
Lost of Labor Adjusted for Educ. Attainment			Employer firm births per 100,000 inhabitants	3.93				
Dpenness subindex	4.83	29	Openness subindex	4.83	29			
Openness subindex ncoming foreign direct investment per capita, dollars	4.83 5.34	29 20			-			
Dpenness subindex ncoming foreign direct investment per capita, dollars	5.34	20	<i>Openness subindex</i> % of population born abroad	4.83 4.06	29 45			
Dpenness subindex			Openness subindex	4.83	29			

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ALASKA			Index		Naiin				
	2018		3.74	45					
COMPETITIVE ADVANT	AGES		COMPETITIVE DISADVANTAGES						
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank				
overnment and fiscal policy subindex	4.82	37	Government and fiscal policy subindex Workers' compensation premium rates	4.82	37				
tate and local taxes per capita /income per capita ond rating: composite	6.85 5.27	2 19	Full-time-equivalent state and local government	3.43 1.18	47 50				
ond rating. composite	5.21	15	employees per 100 residents	1.10	50				
udget deficit, % of GSP	6.17	4							
verage weekly payment to insured unemployed	6.04	10							
ecurity subindex	4.78	31	Security subindex	4.78	31				
rime index change 2012-2013, %	5.75	7	Crime index, per 100,000 inhabitants	1.71	50				
he BGA Integrity Index	7.46	2	Murder index, per 100,000 inhabitants	4.22	39				
frastructure subindex	4.84	36	Infrastructure subindex	4.84	36				
r passengers per capita	6.77	3	Quality of Roads	4.76	33				
verage travel time to work	6.45	6	High-speed lines per 1000 Electricity Prices per kWh	4.23 2.99	48 49				
			Average rent of 2 bedroom apartment	3.83	43				
uman resources subindex	4.23	43	Human resources subindex	4.23	43				
of population aged 25 and over that graduated from	6.34	4	% of population without health insurance	3.55	46				
gh school									
fant mortality rate, deaths per 1000 live births	5.28	18	Unemployment rate, not seasonally adjusted	1.57	50				
			% of population enrolled in degree-granting institutions	3.21	50				
			% of students at or above proficient in mathematics, grade 4 - public schools	3.84	43				
Fechnology subindex	4.39	41	Technology subindex	4.39	41				
			NIH support to institutions per capita	4.24	45				
			Patents per 100,000 inhabitants	4.35	41				
			Science & Engineering grad. students 100,000 inhabitants	4.44	35				
			S&E degrees awarded per 100,000 inhabitants	4.04	44				
usiness incubation subindex	4.44	46	Business incubation subindex	4.44	46				
acific Research Institute Tort Index	7.04	1	Total deposits (Commercial banks and Savings	4.66	48				
			institutions) per capita						
			Venture capital per capita	4.56	47				
			Employer firm births per 100,000 inhabitants % of labor force that is represented by unions	3.77 3.28	45 47				
			% of labor force that is represented by unions Minimum wage	3.28 4.03	47 37				
			Cost of Labor Adjusted for Educ. Attainment	3.79	45				
nonnoss subindov	5.46	14	Openness subindex	5.46	14				
penness subindex xports per capita, dollars	5.91	14	openness submuex	5.46	14				
coming foreign direct investment per capita, dollars	5.71	16							
nvironmental policy subindex	5.68	8	Environmental policy subindex	5.68	8				
arbon emission per 1000 sq. miles	6.13	2	Toxic release inventory, pounds per sq. miles	4.55	39				
Air Quality Index	6.36	7							

State Index

Overall Rank

<u>Index</u>

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ALASKA

ARIZONA	0010		<u>Index</u> 5.06	<u>Overall</u> 24	<u>Rank</u>
COMPETITIVE ADVANT	2018 AGES				
Subindex/Variable Government and fiscal policy subindex	Index 5.84	Rank 2	Subindex/Variable Government and fiscal policy subindex	Index 5.84	Ran
State and local taxes per capita /income per capita	5.35	16	Government and liscal policy sublidex	5.64	
Norkers' compensation premium rates	5.82	11			
Bond rating: composite	6.26	1			
Average weekly payment to insured unemployed	6.47	4			
Full-time-equivalent state and local government	6.16	3			
employees per 100 residents	0.10	5			
Security subindex	4.49	39	Security subindex	4.49	39
Crime index change 2012-2013, %	5.28	18	Crime index, per 100,000 inhabitants	4.31	41
			The BGA Integrity Index	3.63	49
Infrastructure subindex	5.03	27	Infrastructure subindex	5.03	27
High-speed lines per 1000	4.98	16	Average travel time to work	4.77	31
Air passengers per capita	5.42	10	Electricity Prices per kWh	5.18	31
			Average rent of 2 bedroom apartment	4.70	34
Human resources subindex	4.61	36	Human resources subindex	4.61	36
% of population enrolled in degree-granting institutions	6.84	3	% of population without health insurance	4.21	41
Infant mortality rate, deaths per 1000 live births	5.20	20	% of population aged 25 and over that graduated from high school	4.13	40
			Unemployment rate, not seasonally adjusted	3.53	46
			% of adults who are in the labor force	4.34	41
			Rate of active physicians per 100,000 inhabitants	4.47	33
			% of students at or above proficient in mathematics, grade 4 - public schools	4.14	40
Technology subindex	4.77	30	Technology subindex	4.77	30
Scientists and engineers as % of labor force	5.52	13	NIH support to institutions per capita	4.40	37
Employment in high-tech industry as % of total employment	5.54	11	Science & Engineering grad. students 100,000 inhabitants	4.59	33
			S&E degrees awarded per 100,000 inhabitants	4.61	31
Business incubation subindex	4.86	34	Business incubation subindex	4.86	34
% of labor force that is represented by unions	5.92	11	Total deposits (Commercial banks and Savings institutions) per capita	4.68	46
Pacific Research Institute Tort Index	5.42	16	Employer firm births per 100,000 inhabitants	4.40	35
Cost of Labor Adjusted for Educ. Attainment	5.63	17	Minimum wage	3.55	45
Openness subindex	4.93	28	Openness subindex	4.93	28
% of population born abroad	5.68	14	Incoming foreign direct investment per capita, dollars	4.46	34
Environmental policy subindex	5.21	19	Environmental policy subindex	5.21	19
Carbon emission per 1000 sq. miles	5.70	15			

State Index

ARKANSAS

Index Overall Rank

ES Index 5.27 6.61 5.95 5.25 5.34 5.27 5.70 5.93 6.17 4.14	Rank 11 3 12 34 19 13 17 10 3 2 45	Subindex/Variable Government and fiscal policy subindex State and local taxes per capita /income per capita Full-time-equivalent state and local government employees per 100 residents Security subindex Crime index, per 100,000 inhabitants Murder index, per 100,000 inhabitants High-speed lines per 1000 Air passengers per capita Human resources subindex % of population aged 25 and over that graduated from high school	AGES Index 5.27 4.51 4.76 4.59 3.87 3.89 5.27 4.50 4.28 4.14 4.01	Rank 11 34 35 35 34 47 43 17 34 35 34 45 45
5.27 6.61 5.95 4.59 5.25 5.25 5.34 5.27 5.70 5.93 6.17	11 3 12 34 19 13 17 10 3 2	Government and fiscal policy subindex State and local taxes per capita /income per capita Full-time-equivalent state and local government employees per 100 residents Security subindex Crime index, per 100,000 inhabitants Murder index, per 100,000 inhabitants Infrastructure subindex High-speed lines per 1000 Air passengers per capita Human resources subindex % of population aged 25 and over that graduated from high	5.27 4.51 4.76 4.76 3.87 3.89 5.27 4.50 4.28 4.14	11 34 35 34 47 43 43 17 34 45 45
6.61 5.95 5.25 5.24 5.27 5.70 5.93 6.17	3 12 19 13 17 10 3 2	State and local taxes per capita /income per capita Full-time-equivalent state and local government employees per 100 residents Security subindex Crime index, per 100,000 inhabitants Murder index, per 100,000 inhabitants Infrastructure subindex High-speed lines per 1000 Air passengers per capita Human resources subindex % of population aged 25 and over that graduated from high	4.51 4.76 4.59 3.87 3.89 5.27 4.50 4.28 4.14	34 35 34 47 43 43 17 34 45
5.95 4.59 5.25 5.34 5.27 5.70 5.93 6.17	12 34 19 13 10 3 2	Full-time-equivalent state and local government employees per 100 residents Security subindex Crime index, per 100,000 inhabitants Murder index, per 100,000 inhabitants Infrastructure subindex High-speed lines per 1000 Air passengers per capita Human resources subindex % of population aged 25 and over that graduated from high	4.76 4.59 3.87 3.89 5.27 4.50 4.28 4.14	35 34 47 43 17 34 45 45
4.59 5.25 5.34 5.27 5.70 5.93 6.17	34 19 13 17 10 3 2	per 100 residents Security subindex Crime index, per 100,000 inhabitants Murder index, per 100,000 inhabitants Infrastructure subindex High-speed lines per 1000 Air passengers per capita Human resources subindex % of population aged 25 and over that graduated from high	4.59 3.87 3.89 5.27 4.50 4.28 4.14	34 47 43 17 34 45 45
5.25 5.34 5.27 5.70 5.93 6.17	19 13 17 10 3 2	Crime index, per 100,000 inhabitants Murder index, per 100,000 inhabitants Infrastructure subindex High-speed lines per 1000 Air passengers per capita Human resources subindex % of population aged 25 and over that graduated from high	3.87 3.89 5.27 4.50 4.28 4.14	47 43 17 34 45 45
5.25 5.34 5.27 5.70 5.93 6.17	13 17 10 3 2	Crime index, per 100,000 inhabitants Murder index, per 100,000 inhabitants Infrastructure subindex High-speed lines per 1000 Air passengers per capita Human resources subindex % of population aged 25 and over that graduated from high	3.87 3.89 5.27 4.50 4.28 4.14	47 43 17 34 45 45
5.27 5.70 5.93 6.17	17 10 3 2	Infrastructure subindex High-speed lines per 1000 Air passengers per capita Human resources subindex % of population aged 25 and over that graduated from high	3.89 5.27 4.50 4.28 4.14	17 34 45 45
5.70 5.93 6.17	10 3 2	High-speed lines per 1000 Air passengers per capita Human resources subindex % of population aged 25 and over that graduated from high	4.50 4.28 4.14	34 45 45
5.93 6.17	3 2	Air passengers per capita Human resources subindex % of population aged 25 and over that graduated from high	4.28 4.14	45 45
6.17	2	Human resources subindex % of population aged 25 and over that graduated from high	4.14	45
		% of population aged 25 and over that graduated from high		
4.14	45	% of population aged 25 and over that graduated from high		
			4.01	4.4
				41
		% of population enrolled in degree-granting institutions	4.51	35
		% of adults who are in the labor force	3.66	46
		Infant mortality rate, deaths per 1000 live births	3.07	49
		Rate of active physicians per 100,000 inhabitants	3.85	47
		% of students at or above proficient in mathematics, grade 4 - public schools	3.99	41
4.24	48	Technology subindex	4.24	48
		Academic Science and Engineering R&D per \$1,000 GSP	4.08	45
		NIH support to institutions per capita	4.19	47
		Patents per 100,000 inhabitants	4.40	34
		Science & Engineering grad. students 100,000 inhabitants	4.44	36
		S&E degrees awarded per 100.000 inhabitants	4.50	34
		Scientists and engineers as % of labor force	3.78	47
		Employment in high-tech industry as % of total employment	3.81	48
5.04	24	Business incubation subindex	5.04	24
6.15	3	Total deposits (Commercial banks and Savings institutions) per capita	4.72	35
6.10	5	Venture capital per capita	4.60	42
		Employer firm births per 100,000 inhabitants	4.55	31
4.38	40	Openness subindex Exports per capita, dollars	4.38 4.26	40 37
		% of population born abroad	4.28	37
5.48	13	Environmental policy subindex	5.48	13
	5.04 6.15 6.10 4.38	5.04 24 6.15 3 6.10 5 4.38 40 5.48 13	% of population enrolled in degree-granting institutions% of adults who are in the labor force Infant mortality rate, deaths per 100,000 inhabitants % of students at or above proficient in mathematics, grade 4 - public schools4.2448Technology subindex Academic Science and Engineering R&D per \$1,000 GSP NIH support to institutions per capita Patents per 100,000 inhabitants Science & Engineering grad. students 100,000 inhabitants Science & Engineering grad. students 100,000 inhabitants Scientists and engineers as % of labor force Employment in high-tech industry as % of total employment5.0424Business incubation subindex Commercial banks and Savings institutions) per capita Employer firm births per 100,000 inhabitants6.153Total deposits (Commercial banks and Savings institutions) per capita Employer firm births per 100,000 inhabitants4.3840Openness subindex Exports per capita, dollars % of population born abroad	% of oppulation enrolled in degree-granting institutions4.51% of adults who are in the labor force Infant mortality rate, deaths per 1000 live births Rate of active physicians per 100,000 inhabitants % of students at or above proficient in mathematics, grade 4 - public schools3.664.2448Technology subindex4.24Academic Science and Engineering R&D per \$1,000 GSP4.08NIH support to institutions per capita Patents per 100,000 inhabitants Science & Engineering grad. students 100,000 inhabitants4.40S&E degrees awarded per 100,000 inhabitants Scientists and engineers as % of labor force Employment in high-tech industry as % of total employment3.815.0424Business incubation subindex5.046.153Total deposits (Commercial banks and Savings institutions per capita4.726.105Venture capital per capita Employer firm births per 100,000 inhabitants4.556.183Exports per capita defined per capita4.604.3840Openness subindex4.555.4813Environmental policy subindex4.26 d.28

CALIFORNIA

Index Overall Rank 5.32 20

BHI

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES			
Quikin day/Mariah/a	Index	Dank	Quitinday/(criable	Index	Damk	
Subindex/Variable Government and fiscal policy subindex	Index 4.52	Rank 44	Subindex/Variable Government and fiscal policy subindex	Index 4.52	Rank 44	
Budget deficit, % of GSP	5.57	12	State and local taxes per capita /income per capita	3.96	46	
Full-time-equivalent state and local government	5.66	12	Workers' compensation premium rates	2.72	49	
employees per 100 residents	5.00	12				
			Bond rating: composite	4.04	43	
Security subindex	4.59	35	Security subindex	4.59	35	
			Crime index, per 100,000 inhabitants	4.48	37	
			Crime index change 2012-2013, %	4.87	35	
			The BGA Integrity Index	3.95	45	
Infrastructure subindex	4.67	41	Infrastructure subindex	4.67	41	
High-speed lines per 1000	9.60	1	Quality of Roads	3.19	47	
Air passengers per capita	5.23	15	Average travel time to work	3.74	46	
			Electricity Prices per kWh	3.61	46	
			Average rent of 2 bedroom apartment	2.65	49	
Human resources subindex	4.75	31	Human resources subindex	4.75	31	
% of population enrolled in degree-granting institutions	5.46	14	% of population aged 25 and over that graduated from	2.72	50	
,,,			high school			
Infant mortality rate, deaths per 1000 live births	6.47	3	Unemployment rate, not seasonally adjusted	4.51	36	
Rate of active physicians per 100,000 inhabitants	5.15	19	% of adults who are in the labor force	4.69	33	
			% of students at or above proficient in mathematics, grade 4 - public schools	3.69	45	
Technology subindex	5.31	10	Technology subindex	5.31	10	
NIH support to institutions per capita	5.47	9	Academic Science and Engineering R&D per \$1,000 GSP	4.60	34	
Patents per 100,000 inhabitants	5.14	14				
Science & Engineering grad. students 100,000 inhabitants	5.17	18				
Scientists and engineers as % of labor force	6.00	7				
Employment in high-tech industry as % of total	6.61	5				
employment						
Pusiness insubstion subirday	E 60		Pusiness insubstion subjects	5.60	4	
Business incubation subindex Total deposits (Commercial banks and Savings	5.60 4.85	4 14	Business incubation subindex % of labor force that is represented by unions	5.60 4.10	4 42	
institutions) per capita	4.05	14	/o or labor lorde that is represented by unions	4.10	74	
Venture capital per capita	10.00	1	Minimum wage	3.19	48	
Employer firm births per 100,000 inhabitants	7.86	1	Pacific Research Institute Tort Index	4.24	41	
IPO volume, in \$ per capita	5.95	9	Cost of Labor Adjusted for Educ. Attainment	4.64	36	
Openness subindex	5.97	5	Openness subindex	5.97	5	
Exports per capita, dollars	5.14	20				
% of population born abroad	7.88	1				
Environmental policy subindex	5.26	17	Environmental policy subindex	5.26	17	
Toxic release inventory, pounds per sq. miles	5.80	8	Air Quality Index	4.42	40	
Carbon emission per 1000 sq. miles	5.56	20				

2018

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Page	-20

COLORADO

Index	<u>Overall Rank</u>
5.92	10

BHI

COMPETITIVE ADVANTAGES		COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	5.34	8	Government and fiscal policy subindex	5.34	
tate and local taxes per capita /income per capita	5.29	17	Average weekly payment to insured unemployed	3.82	44
Vorkers' compensation premium rates	5.56	16			
ond rating: composite	6.26	1			
udget deficit, % of GSP	5.57	12			
ull-time-equivalent state and local government	5.55	13			
mployees per 100 residents					
ecurity subindex	4.95	25	Security subindex	4.95	25
			Crime index, per 100,000 inhabitants	4.80	31
			Crime index change 2012-2013, %	4.93	33
			The BGA Integrity Index	4.75	31
nfrastructure subindex	4.98	29	Infrastructure subindex	4.98	29
ligh-speed lines per 1000	4.88	20	Average travel time to work	4.72	32
Air passengers per capita	6.40	4	Average rent of 2 bedroom apartment	3.64	46
Human resources subindex	5.56	10	Human resources subindex	5.56	10
% of population aged 25 and over that graduated from high school	5.81	14			
6 of adults who are in the labor force	6.46	4			
nfant mortality rate, deaths per 1000 live births	6.22	6			
Rate of active physicians per 100,000 inhabitants	5.27	16			
% of students at or above proficient in mathematics, grade 4 - public schools	5.34	15			
Technology subindex	5.59	6	Technology subindex	5.59	6
Academic Science and Engineering R&D per \$1,000	5.24	16			
Patents per 100,000 inhabitants	4.73	20			
cience & Engineering grad. students 100,000	6.00	7			
&E degrees awarded per 100,000 inhabitants	5.61	13			
cientists and engineers as % of labor force	7.04	4			
Employment in high-tech industry as % of total	7.02	3			
mployment					
usiness incubation subindex	5.01	27	Business incubation subindex	5.01	27
enture capital per capita	5.28	6	% of labor force that is represented by unions	4.84	31
mployer firm births per 100,000 inhabitants	6.61	3	Minimum wage	3.77	43
PO volume, in \$ per capita	6.16	6	Pacific Research Institute Tort Index	4.63	32
			Cost of Labor Adjusted for Educ. Attainment	4.07	39
Dpenness subindex	4.56	36	Openness subindex	4.56	36
6 of population born abroad	5.09	18	Exports per capita, dollars	4.01	42
nvironmental policy subindex	5.31	16	Environmental policy subindex	5.31	16
oxic release inventory, pounds per sq. miles	5.68	17	Air Quality Index	4.56	34
Carbon emission per 1000 sq. miles	5.70	14			

2018

	2018		4.51 33 COMPETITIVE DISADVANTAGES		
COMPETITIVE ADVANTA	AGES				
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	4.43	47	Government and fiscal policy subindex	4.43	47
Budget deficit, % of GSP	6.17	4	State and local taxes per capita /income per capita	2.89	49
			Workers' compensation premium rates	4.04	44
			Bond rating: composite	4.04	43
			Average weekly payment to insured unemployed	4.32	39
Security subindex	5.62	5	Security subindex	5.62	5
Crime index, per 100,000 inhabitants	6.00	5			
Crime index change 2012-2013, %	5.60	11			
Murder index, per 100,000 inhabitants	5.91	12			
Infrastructure subindex	4.11	48	Infrastructure subindex	4.11	48
			Quality of Roads	3.71	45
			Air passengers per capita	4.39	39
		1	Average travel time to work Electricity Prices per kWh	4.51 3.20	36 48
			Average rent of 2 bedroom apartment	4.19	40 39
			Average rent of 2 bedroom apartment	4.19	39
Human resources subindex	5.50	11	Human resources subindex	5.50	11
% of population without health insurance	5.94	7	% of population enrolled in degree-granting institutions	4.47	36
% of population aged 25 and over that graduated from high school	5.42	19			
% of adults who are in the labor force	5.59	14			
Infant mortality rate, deaths per 1000 live births	6.22	6			
Rate of active physicians per 100,000 inhabitants	6.47	6			
Technology subindex	5.88	5	Technology subindex	5.88	5
Academic Science and Engineering R&D per \$1,000 GSP	5.59	11		0.00	·
NIH support to institutions per capita	6.19	4			
Patents per 100,000 inhabitants	4.93	17			
Science & Engineering grad. students 100,000 inhabitants	6.54	3			
S&E degrees awarded per 100,000 inhabitants	7.02	2			
Scientists and engineers as % of labor force	5.43	14			
Business incubation subindex	4.34	50	Business incubation subindex	4.34	50
Total deposits (Commercial banks and Savings institutions) per capita	4.88	9	% of labor force that is represented by unions	3.92	45
Venture capital per capita	5.04	9	Minimum wage	3.84	39
IPO volume, in \$ per capita	5.08	15	Pacific Research Institute Tort Index	4.22	42
			Cost of Labor Adjusted for Educ. Attainment	2.95	47
Openness subindex	5.84	8	Openness subindex	5.84	8
Exports per capita, dollars	5.28	18			
Incoming foreign direct investment per capita, dollars	6.41	4			
% of population born abroad	5.82	10			
Environmental policy subindex Toxic release inventory, pounds per sg. miles	4.79	35 16	Environmental policy subindex	4.79 4.55	35 37
Toxic release inventory, pounds per sq. miles	5.68	10	Carbon emission per 1000 sq. miles		43
			Air Quality Index	4.15	43

BHI

<u>Index</u>

Overall Rank

CONNECTICUT

DELAWARE

Index **Overall Rank** 4.03

42

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COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	4.59	42	Government and fiscal policy subindex	4.59	42
Bond rating: composite	6.26	1	State and local taxes per capita /income per capita	4.48	35
Average weekly payment to insured unemployed	6.12	8	Workers' compensation premium rates	3.45	46
			Budget deficit, % of GSP	3.46	46
			Full-time-equivalent state and local government employees per 100 residents	3.76	48
Security subindex	4.79	30	Security subindex	4.79	30
			Crime index, per 100,000 inhabitants	4.63	35
			Crime index change 2012-2013, %	4.94	32
Infrastructure subindex	4.66	42	Infrastructure subindex	4.66	42
Electricity Prices per kWh	5.44	20	High-speed lines per 1000	4.26	46
			Air passengers per capita	4.02	50 24
			Average travel time to work Average rent of 2 bedroom apartment	4.64 4.38	34 38
			Average rent of 2 bedroom apartment	4.50	50
Human resources subindex	5.01	27	Human resources subindex	5.01	27
% of population without health insurance	5.91	8	Infant mortality rate, deaths per 1000 live births % of students at or above proficient in mathematics, grade	4.43 4.44	37 33
% of population enrolled in degree-granting institutions	5.10	19	 4 - public schools 	4.44	33
Rate of active physicians per 100,000 inhabitants	5.25	17			
Technology subindex	4.76	31	Technology subindex	4.76	31
Science & Engineering grad. students 100,000 nhabitants	5.54	12	Academic Science and Engineering R&D per \$1,000 GSP	4.29	41
Scientists and engineers as % of labor force	6.00	7	S&E degrees awarded per 100,000 inhabitants	4.18	39
Employment in high-tech industry as % of total employment	5.33	17			
Business incubation subindex Total deposits (Commercial banks and Savings	5.47 8.32	7	Business incubation subindex	5.47	7
institutions) per capita	0.02				
Venture capital per capita	4.96	10			
Employer firm births per 100,000 inhabitants	5.57	13			
Pacific Research Institute Tort Index	5.33	20			
Openness subindex	5.50	12	Openness subindex	5.50	12
Exports per capita, dollars Incoming foreign direct investment per capita, dollars	5.28 6.23	17 8			
% of population born abroad	4.99	20			
Environmental policy subindex	3.67	48	Environmental policy subindex	3.67	48
			Toxic release inventory, pounds per sq. miles	4.20	42
			Carbon emission per 1000 sq. miles Air Quality Index	2.97 3.84	47 46

2018

FLORIDA

ndex	Overall Rank
5.23	22

FLORIDA			<u>Index</u> 5.23	<u>Overall</u> 22	<u>kank</u>	
2018 COMPETITIVE ADVANTAGES			5.23 22 COMPETITIVE DISADVANTAGES			
COMPETITIVE ADVANT	AGES			AGES		
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank	
Government and fiscal policy subindex State and local taxes per capita /income per capita	5.50 5.26	5 18	Government and fiscal policy subindex	5.50		
Bond rating: composite	6.01	9				
Average weekly payment to insured unemployed	6.27	6				
Full-time-equivalent state and local government mployees per 100 residents	6.01	6				
Security subindex	4.44	41	Security subindex	4.44	41	
			Crime index change 2012-2013, %	4.47	42	
			Murder index, per 100,000 inhabitants The BGA Integrity Index	4.72 3.69	31 48	
nfrastructure subindex	5.42	10	Infrastructure subindex	5.42	10	
Quality of Roads	5.72	12	Average travel time to work	4.23	40	
High-speed lines per 1000	7.03	3	Average rent of 2 bedroom apartment	4.18	40	
Air passengers per capita	5.76	6				
Electricity Prices per kWh	5.60	13				
luman resources subindex	4.71	33	Human resources subindex	4.71	33	
Inemployment rate, not seasonally adjusted	5.49	17	% of population without health insurance	3.42	47	
6 of students at or above proficient in mathematics,	6.24	7	% of population aged 25 and over that graduated from high	4.51	33	
rade 4 - public schools			school % of population enrolled in degree-granting institutions	4.17	40	
			% of adults who are in the labor force	4.06	42	
Technology subindex	4.49	39	Technology subindex	4.49	39	
			Academic Science and Engineering R&D per \$1,000 GSP	4.18	44	
			NIH support to institutions per capita	4.33	40	
			Science & Engineering grad. students 100,000 inhabitants	4.10	43	
			Scientists and engineers as % of labor force	4.25	38	
Business incubation subindex	5.22	12	Business incubation subindex	5.22	12	
enture capital per capita	4.78	18	Pacific Research Institute Tort Index	3.28	48	
mployer firm births per 100,000 inhabitants	6.45	4				
PO volume, in \$ per capita 6 of labor force that is represented by unions	5.35 5.86	13 13				
ost of Labor Adjusted for Educ. Attainment	6.09	6				
Dpenness subindex	5.62	10	Openness subindex	5.62	10	
xports per capita, dollars	5.49	15	Incoming foreign direct investment per capita, dollars	4.54	33	
of population born abroad	6.84	4				
invironmental policy subindex	4.31	41	Environmental policy subindex	4.31	41	
			Toxic release inventory, pounds per sq. miles	4.79	35	
			Carbon emission per 1000 sq. miles	3.94	42	
			Air Quality Index	4.19	42	

GEORGIA

Index	Overall Rank
5.56	14

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COMPETITIVE ADVANTAGES		COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	5.08	23	Government and fiscal policy subindex	5.08	23
State and local taxes per capita /income per capita	5.13	20	Workers' compensation premium rates	3.90	45
Bond rating: composite	6.26	1	Budget deficit, % of GSP	3.76	44
Average weekly payment to insured unemployed	5.65	13			
Full-time-equivalent state and local government employees per 100 residents	5.77	9			
Security subindex	4.77	33	Security subindex	4.77	33
			Crime index change 2012-2013, %	4.93	33
			Murder index, per 100,000 inhabitants The BGA Integrity Index	4.34 4.56	37 33
Infrastructure subindex	5.41	11	Infrastructure subindex	5.41	11
Quality of Roads	6.50	1	Average travel time to work	3.97	43
High-speed lines per 1000 Air passengers per capita	5.51 6.09	8 5			
All passengers per capita	0.09	5			
Human resources subindex	4.23	44	Human resources subindex	4.23	44
			% of population without health insurance	3.19	48
			% of population aged 25 and over that graduated from high school	4.17	39
			% of population enrolled in degree-granting institutions	4.16	41
			Infant mortality rate, deaths per 1000 live births	3.92	42
			Rate of active physicians per 100,000 inhabitants	4.23	40
			% of students at or above proficient in mathematics, grade 4 - public schools	4.29	36
Technology subindex	5.07	19	Technology subindex	5.07	19
Academic Science and Engineering R&D per \$1,000	5.21	18	S&E degrees awarded per 100,000 inhabitants	4.14	41
GSP					
Patents per 100,000 inhabitants	5.94	8			
Scientists and engineers as % of labor force	5.21	19			
Employment in high-tech industry as % of total employment	5.44	14			
Business incubation subindex	5.43	8	Business incubation subindex	5.43	8
Venture capital per capita	4.86	15			
Employer firm births per 100,000 inhabitants	5.38	19			
IPO volume, in \$ per capita	6.31	5			
% of labor force that is represented by unions	6.09	6			
Minimum wage	5.92	1			
Openness subindex	5.16	21	Openness subindex	5.16	21
Incoming foreign direct investment per capita, dollars	5.55	17			
% of population born abroad	5.14	16			
Environmental policy subindex	5.25	18	Environmental policy subindex	5.25	18
Air Quality Index	5.86	9	Toxic release inventory, pounds per sq. miles	4.98	31
			Carbon emission per 1000 sq. miles	4.91	33

2018

HAWAII

Index Overall Rank 3.93 43

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COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank	
Government and fiscal policy subindex	4.45	46	Government and fiscal policy subindex	4.45	Rank 46	
Bond rating: composite	5.27	19	State and local taxes per capita /income per capita	4.45	36	
Budget deficit, % of GSP	5.87	7	Workers' compensation premium rates	4.41	38	
Budget denoit, // of Cor	5.07	r	Average weekly payment to insured unemployed	2.69	49	
			Full time-equivalent state and local government employees per 100 residents	4.03	46	
Security subindex	5.35	18	Security subindex	5.35	18	
Crime index, per 100,000 inhabitants	5.74	14				
Murder index, per 100,000 inhabitants	5.83	16				
Infrastructure subindex	3.87	50	Infrastructure subindex	3.87	50	
Air passengers per capita	9.10	1	Quality of Roads	2.93	48	
			High-speed lines per 1000	4.33	40	
			Average travel time to work	4.23	40	
			Electricity Prices per kWh	0.59	50	
			Average rent of 2 bedroom apartment	2.05	50	
Human resources subindex	5.42	14	Human resources subindex	5.42	14	
% of population without health insurance	6.43	2	% of population enrolled in degree-granting institutions	3.79	48	
% of population aged 25 and over that graduated from high school	5.84	13	% of students at or above proficient in mathematics, grade 4 - public schools	4.74	32	
Unemployment rate, not seasonally adjusted	6.35	3				
Infant mortality rate, deaths per 1000 live births	5.54	14				
Rate of active physicians per 100,000 inhabitants	5.78	10				
Technology subindex	4.29	43	Technology subindex	4.29	43	
			NIH support to institutions per capita	4.58	32	
			Patents per 100,000 inhabitants	4.35	40	
			Science & Engineering grad. students 100,000 inhabitants	4.31	40	
			S&E degrees awarded per 100,000 inhabitants	3.95	45	
			Scientists and engineers as % of labor force	4.09	42	
			Employment in high-tech industry as % of total employment	3.91	45	
Business incubation subindex	4.79	36	Business incubation subindex	4.79	36	
Total deposits (Commercial banks and Savings institutions) per capita	4.81	17	Venture capital per capita	4.58	45	
IPO volume, in \$ per capita	6.64	4	Employer firm births per 100,000 inhabitants	4.32	38	
Pacific Research Institute Tort Index	6.99	2	% of labor force that is represented by unions	2.44	50	
			Minimum wage	3.84	39	
			Cost of Labor Adjusted for Educ. Attainment	4.73	35	
Openness subindex	5.39	16	Openness subindex	5.39	16	
Incoming foreign direct investment per capita, dollars	6.11	9	Exports per capita, dollars	3.60	49	
% of population born abroad	6.48	6				
Environmental policy subindex	5.74	7	Environmental policy subindex	5.74	7	
Air Quality Index	6.94	4	Carbon emission per 1000 sq. miles	4.78	34	

2018

Subindex/Variable Index nment and fiscal policy subindex 4 : deficit, % of GSP 3.16 ty subindex 5.46 SA Integrity Index 4.44 ructure subindex 5.47 peed lines per 1000 4.34 sengers per capita 4.56 n resources subindex 5.17 opulation without health insurance 4.05 f active physicians per 100,000 inhabitants 3.57 ology subindex 4.59 mic Science and Engineering R&D per \$1,000 GSP 3.88 pport to institutions per capita 4.04 s per 100,000 inhabitants 4.34 e & Engineering grad. students 100,000 3.89	R 86
Imment and fiscal policy subindex 4 : deficit, % of GSP 3.16 ity subindex 5.46 ity subindex 4.44 ity subindex 4.44 ructure subindex 5.47 beed lines per 1000 4.34 sengers per capita 4.56 it active physicians per 100,000 inhabitants 5.17 ology subindex 4.05 nic Science and Engineering R&D per \$1,000 GSP 3.88 pport to institutions per capita 4.04 s per 100,000 inhabitants 4.34 e & Engineering grad. students 100,000 3.89	
it deficit, % of GSP 3.16 ity subindex 5.46 SA Integrity Index 4.44 ructure subindex 5.47 beed lines per 1000 4.34 sengers per capita 4.56 n resources subindex 5.17 opplation without health insurance 4.05 f active physicians per 100,000 inhabitants 3.57 ology subindex 4.59 mic Science and Engineering R&D per \$1,000 GSP 3.88 pport to institutions per capita 4.04 s per 100,000 inhabitants 4.34 e & Engineering grad. students 100,000 3.89	
SA Integrity Index 4.44 ructure subindex 5.47 beed lines per 1000 4.34 sengers per capita 4.56 n resources subindex 5.17 opulation without health insurance 4.05 f active physicians per 100,000 inhabitants 3.57 ology subindex 4.59 nic Science and Engineering R&D per \$1,000 GSP 3.88 pport to institutions per capita 4.04 s per 100,000 inhabitants 4.34 e & Engineering grad. students 100,000 3.89	
SA Integrity Index 4.44 ructure subindex 5.47 beed lines per 1000 4.34 sengers per capita 4.56 n resources subindex 5.17 opulation without health insurance 4.05 f active physicians per 100,000 inhabitants 3.57 ology subindex 4.59 nic Science and Engineering R&D per \$1,000 GSP 3.88 pport to institutions per capita 4.04 s per 100,000 inhabitants 4.34 e & Engineering grad. students 100,000 3.89	
SA Integrity Index 4.44 ructure subindex 5.47 beed lines per 1000 4.34 sengers per capita 4.56 n resources subindex 5.17 opulation without health insurance 4.05 f active physicians per 100,000 inhabitants 3.57 ology subindex 4.59 nic Science and Engineering R&D per \$1,000 GSP 3.88 pport to institutions per capita 4.04 s per 100,000 inhabitants 4.34 e & Engineering grad. students 100,000 3.89	
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beed lines per 1000 4.34 sengers per capita 4.56 n resources subindex 5.17 opulation without health insurance 4.05 f active physicians per 100,000 inhabitants 3.57 ology subindex 4.59 nic Science and Engineering R&D per \$1,000 GSP 3.88 pport to institutions per capita 4.04 s per 100,000 inhabitants 4.34 e & Engineering grad. students 100,000 3.89	
beed lines per 1000 4.34 sengers per capita 4.56 n resources subindex 5.17 opulation without health insurance 4.05 f active physicians per 100,000 inhabitants 3.57 ology subindex 4.59 nic Science and Engineering R&D per \$1,000 GSP 3.88 pport to institutions per capita 4.04 s per 100,000 inhabitants 4.34 e & Engineering grad. students 100,000 3.89	
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s per 100,000 inhabitants 4.34 e & Engineering grad. students 100,000 3.89	
e & Engineering grad. students 100,000 3.89	
ess incubation subindex 5.55	
eposits (Commercial banks and Savings 4.65	
ons) per capita	
e capital per capita 4.62	
ess subindex 4.07	
ng foreign direct investment per capita, dollars 3.45	
nmental policy subindex 6.30	
ort: mi	brts per capita, dollars 4.30 ming foreign direct investment per capita, dollars 3.45

IDAHO

Index

Overall Rank

ILLINUIS					
2018 COMPETITIVE ADVANTAGES			4.09 41		
			COMPETITIVE DISADVANTAGES		
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
overnment and fiscal policy subindex	4.42	48	Government and fiscal policy subindex	4.42	
udget deficit, % of GSP	6.17	4	State and local taxes per capita /income per capita	3.99	44
ul-time-equivalent state and local government mployees per 100 residents	6.01	7	Bond rating: composite Average weekly payment to insured unemployed	1.09 4.43	50 37
Security subindex	4.57	36	Security subindex	4.57	36
			Crime index, per 100,000 inhabitants	4.76	32
			Murder index, per 100,000 inhabitants	4.01	42
			The BGA Integrity Index	4.45	36
nfrastructure subindex	5.12	24	Infrastructure subindex	5.12	24
ligh-speed lines per 1000	5.86	5	Average travel time to work	3.81	45
vir passengers per capita	5.67	7	Average rent of 2 bedroom apartment	4.91	31
Human resources subindex	4.95	29	Human resources subindex	4.95	29
of population without health insurance	5.39	19	Unemployment rate, not seasonally adjusted	4.27	39
6 of adults who are in the labor force	5.16	20	;;;		
Rate of active physicians per 100,000 inhabitants	5.24	18			
Fechnology subindex Patents per 100,000 inhabitants	5.16 4.94	17 16	Technology subindex Academic Science and Engineering R&D per \$1,000 GSP	5.16 4.42	17 37
	4.54	10	Academic Science and Engineering Rab per \$1,000 GSF	4.42	57
Science & Engineering grad. students 100,000 nhabitants	6.01	6			
S&E degrees awarded per 100,000 inhabitants	5.87	7			
Business incubation subindex	4.52	43	Business incubation subindex	4.52	43
otal deposits (Commercial banks and Savings nstitutions) per capita	4.88	8	Employer firm births per 100,000 inhabitants	4.46	33
enture capital per capita	4.93	11	% of labor force that is represented by unions	4.31	37
			Pacific Research Institute Tort Index	3.40	47
			Cost of Labor Adjusted for Educ. Attainment	4.55	37
Dpenness subindex	6.22	4	Openness subindex	6.22	4
xports per capita, dollars	7.12	3			
ncoming foreign direct investment per capita, dollars	5.77	15			
6 of population born abroad	5.78	11			
nvironmental policy subindex	4.28	42	Environmental policy subindex	4.28	42
			Toxic release inventory, pounds per sq. miles	3.81	44
			Carbon emission per 1000 sq. miles	4.34	39

Overall Rank

Index

ILLINOIS

Subindex/Variable Government and fiscal policy subindex	AGES		COMPETITIVE DISADVANTA	AGES	COMPETITIVE DISADVANTAGES		
	Index	Rank	Subindex/Variable Index		Rank		
	5.71	3	Government and fiscal policy subindex	5.71	7.07		
Workers' compensation premium rates	6.67	2					
Bond rating: composite	6.26	1					
Average weekly payment to insured unemployed	5.63	14					
Full-time-equivalent state and local government	6.17	2					
employees per 100 residents							
Security subindex	4.45	40	Security subindex	4.45	4(
			Crime index change 2012-2013, %	4.35	45		
			Murder index, per 100,000 inhabitants The BGA Integrity Index	4.18 4.37	40 40		
Infrastructure subindex	5.32	15	Infrastructure subindex	5.32	1:		
Quality of Roads	6.16	4	Air passengers per capita	4.36	42		
High-speed lines per 1000	4.95	18					
Average travel time to work	5.21	19					
Electricity Prices per kWh	5.45	19					
Average rent of 2 bedroom apartment	5.78	12					
Human resources subindex	4.96	28	Human resources subindex	4.96	28		
Unemployment rate, not seasonally adjusted	5.25	20	% of population aged 25 and over that graduated from high school	4.70	32		
% of population enrolled in degree-granting institutions	5.05	20	Infant mortality rate, deaths per 1000 live births	3.84	44		
	F 44	10	Date of active physicians and 400,000 introtitionts	4.07	~		
% of adults who are in the labor force	5.41	16	Rate of active physicians per 100,000 inhabitants	4.27	38		
% of students at or above proficient in mathematics, grade 4 - public schools	6.24	7					
Technology subindex	5.01	22	Technology subindex	5.01	22		
Academic Science and Engineering R&D per \$1,000 GSP	5.21	17	NIH support to institutions per capita	4.51	34		
Patents per 100,000 inhabitants	4.84	19	Scientists and engineers as % of labor force	4.31	36		
Science & Engineering grad. students 100,000	5.66	10	Employment in high-tech industry as % of total employment	4.06	39		
inhabitants							
S&E degrees awarded per 100,000 inhabitants	5.80	11					
Business incubation subindex	5.14	15	Business incubation subindex	5.14	1		
IPO volume, in \$ per capita	6.80	3	Total deposits (Commercial banks and Savings institutions) per capita	4.69	4		
Minimum wooo	5.92	1	Employer firm births per 100,000 inhabitants	3.46	49		
Minimum wage	5.92	20	Employer III Dirtis per 100,000 Initabitants	3.40	43		
Cost of Labor Adjusted for Educ. Attainment	0.01						
Cost of Labor Adjusted for Educ. Attainment							
Cost of Labor Adjusted for Educ. Attainment Openness subindex	5.44	15	Openness subindex	5.44	1:		
Openness subindex Exports per capita, dollars	5.44 5.58	15 14	Openness subindex % of population born abroad	5.44 4.34			
Openness subindex					11 32		
Openness subindex Exports per capita, dollars	5.58	14					
Openness subindex Exports per capita, dollars Incoming foreign direct investment per capita, dollars	5.58 6.40	14 5	% of population born abroad	4.34	3:		

IOWA		
	2018	
COMPETITIVE ADVA	NTAGES	
	1	
Subindex/Variable	Index	
Government and fiscal policy subindex	4.96	
Bond rating: composite	6.26	

Overall Rank Index

2

6.88

COMPETITIVE DISADVANTAGES

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank	
Government and fiscal policy subindex	4.96	28	Government and fiscal policy subindex	4.96	2	
Bond rating: composite	6.26	1	Budget deficit, % of GSP	3.76	44	
			Average weekly payment to insured unemployed	4.25	41	
Security subindex	6.05	3	Security subindex	6.05	3	
Crime index, per 100,000 inhabitants	5.73	15	Security subindex	0.05	3	
Crime index, per 100,000 imabilities	6.74	2				
Aurder index, per 100,000 inhabitants	6.16	5				
The BGA Integrity Index	5.58	11				
nfrastructure subindex	5.36	13	Infrastructure subindex	5.36	13	
Quality of Roads	5.98	7	High-speed lines per 1000	4.53	31	
Average travel time to work	6.37	7	Air passengers per capita	4.28	44	
Average rent of 2 bedroom apartment	5.94	8	Electricity Prices per kWh	5.03	34	
Human resources subindex	5.91	4	Human resources subindex	5.91	4	
% of population without health insurance	6.14	6	Rate of active physicians per 100,000 inhabitants	4.04	43	
% of population aged 25 and over that graduated from high school	5.96	9				
Inemployment rate, not seasonally adjusted	6.60	1				
% of population enrolled in degree-granting institutions	6.70	4				
% of adults who are in the labor force	6.41	5				
nfant mortality rate, deaths per 1000 live births	5.54	14				
% of students at or above proficient in mathematics, grade 4 - public schools	5.94	10				
Fechnology subindex	4.99	24	Technology subindex	4.99	24	
Academic Science and Engineering R&D per \$1,000 GSP	5.47	13	Scientists and engineers as % of labor force	4.43	34	
Science & Engineering grad. students 100,000 nhabitants	5.51	14	Employment in high-tech industry as % of total employment	4.26	35	
S&E degrees awarded per 100,000 inhabitants	5.32	16				
Business incubation subindex	5.03	26	Business incubation subindex	5.03	26	
Inimum wage	5.92	1	Venture capital per capita	4.62	36	
Pacific Research Institute Tort Index	5.78	10	Employer firm births per 100,000 inhabitants	4.36	36	
			Cost of Labor Adjusted for Educ. Attainment	4.94	31	
Openness subindex	4.67	33	Openness subindex	4.67	33	
Exports per capita, dollars	5.31	16	Incoming foreign direct investment per capita, dollars	4.36	36	
			% of population born abroad	4.34	32	
Environmental policy subindex	5.79	6	Environmental policy subindex	5.79	6	
Air Quality Index	6.60	6				

KANSAS

<u>Index</u>	<u>Overall Rank</u>
5.62	13

BHI

ex 77 1 1 1 77 5 5 5 55 5 55 4 4 2 22 6 6 77 3	Rank 27 6 12 11 16 3 14 12 8 15 17	COMPETITIVE DISADVANTA Subindex/Variable Government and fiscal policy subindex Bond rating: composite Average weekly payment to insured unemployed Full-time-equivalent state and local government employees per 100 residents Security subindex Crime index, per 100,000 inhabitants Infrastructure subindex Air passengers per capita	AGES Index 4.97 4.04 4.51 4.61 5.45 4.54 5.34 4.15	Rank 43 36 36 11 36
7 1 1 5 5 5 5 5 4 2 2 2 2 2 6 6 7	27 6 12 11 16 3 14 12 8 15	Government and fiscal policy subindex Bond rating: composite Average weekly payment to insured unemployed Full-time-equivalent state and local government employees per 100 residents Security subindex Crime index, per 100,000 inhabitants Infrastructure subindex	4.97 4.04 4.51 4.61 5.45 4.54 5.34	43 36 36 11 36
1 5 5 5 5 5 5 5 6 6 7	6 12 11 16 3 14 12 8 15	Bond rating: composite Average weekly payment to insured unemployed Full-time-equivalent state and local government employees per 100 residents Security subindex Crime index, per 100,000 inhabitants Infrastructure subindex	4.04 4.51 4.61 5.45 4.54 5.34	43 36 36 11 36
5 15 15 15 15 15 15 15 15 15 15 15 15 15 1	12 11 16 3 14 12 8 15	Average weekly payment to insured unemployed Full-time-equivalent state and local government employees per 100 residents Security subindex Crime index, per 100,000 inhabitants Infrastructure subindex	4.51 4.61 5.45 4.54 5.34	36 36 11 36
5 55 55 4 22 22 66 77	11 16 3 14 12 8 15	Full-time-equivalent state and local government employees per 100 residents Security subindex Crime index, per 100,000 inhabitants Infrastructure subindex	4.61 5.45 4.54 5.34	36 11 36
4 12 12 12 12 12 12 12 12 12 12 12 12 12	16 3 14 12 8 15	Crime index, per 100,000 inhabitants Infrastructure subindex	4.54 5.34	36
4 22 23 66 67	3 14 12 8 15	Infrastructure subindex	5.34	
4 2 2 2 2 6 6 7	14 12 8 15			
2 2 66 67	12 8 15			
2 66 67	8 15	Air passengers per capita	4.15	14
6 7	15			47
7				
3				
3				
6	19 17	Human resources subindex % of population without health insurance	5.23 4.80	19 31
0		7 of population warout noural noural loc	4.00	01
9	17	Rate of active physicians per 100,000 inhabitants	4.21	41
5	9			
6	13			
4	15			
9	33	Technology subindex	4.69	33
4	17	NIH support to institutions per capita	4.48	35
		Patents per 100 000 inhabitants	4 45	31
				43
		Scientists and engineers as % of labor force	4.76	31
	21	Business incubation subindex	5.07	21
	12			
2	35	Openness subindex	4.62	35
		Exports per capita, dollars	4.43	31
	15	Environmental policy subindex	5.35	15
		Air Quality Index	4.58	33
2 9 9 5 7 7	69 24 24 29 29 29 29 29 29 29 29 29 29 29 29 29	24 17 07 21 92 1 59 12 62 35 35 15 79 9	24 17 NIH support to institutions per capita Patents per 100,000 inhabitants S&E degrees awarded per 100,000 inhabitants Scientists and engineers as % of labor force 07 21 Business incubation subindex 92 1 59 12 62 35 Openness subindex Exports per capita, dollars 35 15 Environmental policy subindex 79 9	24 17 NIH support to institutions per capita 4.48 Patents per 100,000 inhabitants 4.45 S&E degrees awarded per 100,000 inhabitants 4.11 Scientists and engineers as % of labor force 4.76 07 21 Business incubation subindex 5.07 92 1 59 12 62 35 Openness subindex 4.43 62 35 Openness subindex 4.43 35 15 Environmental policy subindex 5.35 79 9 Air Quality Index 4.58

KENTUCKY

Index	<u>Overall Rank</u>
4.81	31

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2018 COMPETITIVE ADVANTAGES			4.81 31			
			COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank	
Government and fiscal policy subindex	5.21	15	Government and fiscal policy subindex	5.21		
Norkers' compensation premium rates	5.40	18	Bond rating: composite	3.30	48	
Budget deficit, % of GSP	7.38	1				
Security subindex	5.19	22	Security subindex	5.19	22	
Crime index, per 100,000 inhabitants	5.97	7	Murder index, per 100,000 inhabitants	4.59	33	
he BGA Integrity Index	5.18	17				
nfrastructure subindex	5.43	8	Infrastructure subindex	5.43	8	
uality of Roads	6.07	6				
verage travel time to work	5.29	16				
Electricity Prices per kWh	5.79	4				
werage rent of 2 bedroom apartment	6.11	4				
luman resources subindex	4.54	38	Human resources subindex	4.54	38	
6 of population without health insurance	5.84	13	% of population aged 25 and over that graduated from high school	3.86	44	
			Unemployment rate, not seasonally adjusted	4.27	39	
			% of adults who are in the labor force	3.86	43	
			Infant mortality rate, deaths per 1000 live births	4.52	35	
			Rate of active physicians per 100,000 inhabitants	4.27	37	
Technology subindex	4.27	44	Technology subindex	4.27	44	
			Academic Science and Engineering R&D per \$1,000 GSP	4.33	39	
			NIH support to institutions per capita	4.59	31	
			Patents per 100,000 inhabitants	4.42	32	
			Science & Engineering grad. students 100,000 inhabitants	4.04	44	
			S&E degrees awarded per 100,000 inhabitants	4.14	40	
			Scientists and engineers as % of labor force	3.94	44	
			Employment in high-tech industry as % of total employment	4.11	38	
usiness incubation subindex	4.86	33	Business incubation subindex	4.86	33	
linimum wage	5.92	1	Total deposits (Commercial banks and Savings institutions)	4.68	44	
est of Lober Adjusted for Educ. Attainment	E 07	11	per capita	4.64		
ost of Labor Adjusted for Educ. Attainment	5.87	11	Venture capital per capita Employer firm births per 100,000 inhabitants	4.61	39 41	
			Pacific Research Institute Tort Index	4.04		
				4.47	36	
Openness subindex	5.50	13	Openness subindex	5.50	13	
xports per capita, dollars	6.01	10	% of population born abroad	4.11	43	
ncoming foreign direct investment per capita, dollars	6.37	6				
	4.38	40	Environmental policy subindex	4.38	40	
nvironmental policy subindex						
nvironmental policy subindex			Toxic release inventory, pounds per sq. miles	4.49	40	

LOUISIANA

Overall Rank Index

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	2018		3.14 49			
COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank	
Government and fiscal policy subindex	5.20	16	Government and fiscal policy subindex	5.20		
tate and local taxes per capita /income per capita	6.14	7	Workers' compensation premium rates	4.34	41	
udget deficit, % of GSP	5.27	19	Bond rating: composite	4.29	42	
verage weekly payment to insured unemployed	6.71	2	Full-time-equivalent state and local government employees per 100 residents	4.44	39	
Security subindex	4.10	48	Security subindex	4.10	48	
he BGA Integrity Index	5.35	12	Crime index, per 100,000 inhabitants Murder index, per 100,000 inhabitants	3.91 2.16	45 50	
Infrastructure subindex Electricity Prices per kWh	5.05 6.07	26	Infrastructure subindex Quality of Roads	5.05 4.50	26 38	
	0.07		Average travel time to work	4.72	32	
Human resources subindex	3.98	49	Human resources subindex	3.98	49	
			% of population aged 25 and over that graduated from high school	3.48	46	
			Unemployment rate, not seasonally adjusted % of population enrolled in degree-granting institutions	3.53 4.16	46 42	
			% of adults who are in the labor force	3.71	45	
			Infant mortality rate, deaths per 1000 live births % of students at or above proficient in mathematics, grade 4 - public schools	4.01 3.09	40 49	
Technology subindex	4.25	46	Technology subindex	4.25	46	
			Academic Science and Engineering R&D per \$1,000 GSP	4.34	38	
			NIH support to institutions per capita	4.39	38	
			Science & Engineering grad. students 100,000 inhabitants	4.32	39	
			S&E degrees awarded per 100,000 inhabitants	3.90	46	
			Scientists and engineers as % of labor force	3.39	49	
			Employment in high-tech industry as % of total employment	3.96	42	
Business incubation subindex	5.21	13	Business incubation subindex	5.21	13	
PO volume, in \$ per capita	5.00	17	Total deposits (Commercial banks and Savings institutions) per capita	4.73	31	
6 of labor force that is represented by unions	6.06	9	Venture capital per capita	4.56	49	
/inimum wage	5.92	1	Employer firm births per 100,000 inhabitants	3.85	44	
acific Research Institute Tort Index	5.75	11				
ost of Labor Adjusted for Educ. Attainment	5.81	13				
Dpenness subindex	5.24	19	Openness subindex	5.24	19	
Exports per capita, dollars	7.30	1	Incoming foreign direct investment per capita, dollars % of population born abroad	4.24 4.16	37 40	
nvironmental policy subindex	3.64	49	Environmental policy subindex	3.64	49	
	0.04		Toxic release inventory, pounds per sq. miles	2.87	43	
			Carbon emission per 1000 sq. miles	3.52	46	
			Carbon emission per 1000 sq. miles	3.52	-0	

MAINE

Index Overall Rank 4.94 28

BH

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank	
Government and fiscal policy subindex	4.77	40	Government and fiscal policy subindex	4.77	4	
			State and local taxes per capita /income per capita	4.42	38	
			Workers' compensation premium rates	4.75	32	
			Budget deficit, % of GSP	4.36	37	
Security subindex	5.53	7	Security subindex	5.53	7	
Crime index, per 100,000 inhabitants	6.60	1	Crime index change 2012-2013, %	4.42	43	
/lurder index, per 100,000 inhabitants	6.12	6				
nfrastructure subindex	4.82	38	Infrastructure subindex	4.82	38	
verage rent of 2 bedroom apartment	5.72	15	High-speed lines per 1000	4.31	43	
			Air passengers per capita	4.45	33	
			Electricity Prices per kWh	4.48	41	
Human resources subindex	5.28	17	Human resources subindex	5.28	17	
6 of population aged 25 and over that graduated from high school	6.23	7	% of population enrolled in degree-granting institutions	4.38	38	
Inemployment rate, not seasonally adjusted	5.25	20				
nfant mortality rate, deaths per 1000 live births	5.20	20				
Rate of active physicians per 100,000 inhabitants	6.07	7				
Technology subindex VIH support to institutions per capita	4.60 4.99	36 18	Technology subindex Academic Science and Engineering R&D per \$1,000 GSP	4.60 3.70	36 49	
and support to institutions per capita	4.55	10	Academic Science and Engineering Nab per \$1,000 GSP	5.70	45	
S&E degrees awarded per 100,000 inhabitants	6.84	3	Patents per 100,000 inhabitants	4.32	45	
ac degrees awarded per 100,000 millabitants			Science & Engineering grad. students 100,000 inhabitants	3.69	49	
			Scientists and engineers as % of labor force	4.28	37	
			Employment in high-tech industry as % of total employment	4.06	39	
Business incubation subindex	4.94	31	Business incubation subindex	4.94	31	
Employer firm births per 100,000 inhabitants	5.87	11	Total deposits (Commercial banks and Savings institutions)	4.71	38	
·			per capita			
Pacific Research Institute Tort Index	6.10	6	Venture capital per capita	4.60	41	
Cost of Labor Adjusted for Educ. Attainment	5.66	16	% of labor force that is represented by unions	4.30	39	
			Minimum wage	3.92	38	
Dpenness subindex	4.74	30	Openness subindex	4.74	30	
ncoming foreign direct investment per capita, dollars	5.94	12	Exports per capita, dollars	4.20	38	
			% of population born abroad	4.08	44	
Environmental policy subindex	5.40	14	Environmental policy subindex	5.40	14	
	5.74	14	Air Quality Index	4.43	39	
Foxic release inventory, pounds per sq. miles						

2018

MARYLAND

Index Overall Rank

BH

			Indez			
	2018		4.90	5 26		
COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank	
overnment and fiscal policy subindex	4.90	30	Government and fiscal policy subindex	4.90	Kank	
overnment and itscar policy submex	4.90 5.76	12	State and local taxes per capita /income per capita	3.99	44	
ecurity subindex	4.42	43	Security subindex	4.42	43	
rime index change 2012-2013, %	5.20	20	Crime index, per 100,000 inhabitants	4.35	40	
U			Murder index, per 100,000 inhabitants	3.52	48	
			The BGA Integrity Index	4.62	32	
frastructure subindex	4.43	44	Infrastructure subindex	4.43	44	
uality of Roads	5.72	12	Average travel time to work	2.81	49	
ligh-speed lines per 1000	4.96	17	Electricity Prices per kWh	5.01	35	
			Average rent of 2 bedroom apartment	3.18	48	
luman resources subindex	5.47	12	Human resources subindex	5.47	12	
of population without health insurance	5.47 5.71	15	Infant mortality rate, deaths per 1000 live births	5.47 4.60	33	
of adults who are in the labor force	5.89	12	ment monunty rate, deaths per 1000 live bittis	Ŧ.00	55	
ate of active physicians per 100,000 inhabitants	5.89 7.09	2				
o of students at or above proficient in mathematics, rade 4 - public schools	5.34	15				
	7.37		Technology subindex	7.37	2	
			Lechnology Subingex		2	
		2	reemeregy easinger	1.31		
cademic Science and Engineering R&D per \$1,000	9.31	1		1.31		
cademic Science and Engineering R&D per \$1,000 SP				1.37		
cademic Science and Engineering R&D per \$1,000 SP IH support to institutions per capita cience & Engineering grad. students 100,000	9.31	1		7.37		
cademic Science and Engineering R&D per \$1,000 SP IH support to institutions per capita cience & Engineering grad. students 100,000 habitants	9.31 7.58	1 2		1.31		
Technology subindex ccademic Science and Engineering R&D per \$1,000 SSP IIH support to institutions per capita science & Engineering grad. students 100,000 habitants &E degrees awarded per 100,000 inhabitants cicientists and engineers as % of labor force	9.31 7.58 6.89	1 2 2		1.31		
cademic Science and Engineering R&D per \$1,000 SP IH support to institutions per capita cience & Engineering grad. students 100,000 habitants &E degrees awarded per 100,000 inhabitants cientists and engineers as % of labor force mployment in high-tech industry as % of total	9.31 7.58 6.89 9.11	1 2 2 1		1.37		
cademic Science and Engineering R&D per \$1,000 SP IH support to institutions per capita cience & Engineering grad. students 100,000 habitants &E degrees awarded per 100,000 inhabitants cientists and engineers as % of labor force mployment in high-tech industry as % of total mployment	9.31 7.58 6.89 9.11 7.44 6.81 4.46	1 2 2 1 1	Business incubation subindex	4.46	44	
cademic Science and Engineering R&D per \$1,000 SP IH support to institutions per capita cience & Engineering grad. students 100,000 habitants &E degrees awarded per 100,000 inhabitants cientists and engineers as % of labor force mployment in high-tech industry as % of total mployment usiness incubation subindex	9.31 7.58 6.89 9.11 7.44 6.81	1 2 2 1 1 4			44 34	
cademic Science and Engineering R&D per \$1,000 SP IH support to institutions per capita cience & Engineering grad. students 100,000 habitants &E degrees awarded per 100,000 inhabitants cientists and engineers as % of labor force mployment in high-tech industry as % of total mployment usiness incubation subindex enture capital per capita	9.31 7.58 6.89 9.11 7.44 6.81 4.46	1 2 2 1 1 4 4	Business incubation subindex	4.46		
cademic Science and Engineering R&D per \$1,000 SP IH support to institutions per capita cience & Engineering grad. students 100,000 habitants &E degrees awarded per 100,000 inhabitants cientists and engineers as % of labor force mployment in high-tech industry as % of total mployment usiness incubation subindex enture capital per capita	9.31 7.58 6.89 9.11 7.44 6.81 4.46 5.14	1 2 2 1 4 4 8	Business incubation subindex Employer firm births per 100,000 inhabitants	4.46 4.44	34	
cademic Science and Engineering R&D per \$1,000 (SP) IH support to institutions per capita cience & Engineering grad. students 100,000 ihabitants &E degrees awarded per 100,000 inhabitants cientists and engineers as % of labor force mployment in high-tech industry as % of total mployment tusiness incubation subindex enture capital per capita	9.31 7.58 6.89 9.11 7.44 6.81 4.46 5.14	1 2 2 1 4 4 8	Business incubation subindex Employer firm births per 100,000 inhabitants % of labor force that is represented by unions	4.46 4.44 4.82	34 32	
cademic Science and Engineering R&D per \$1,000 SP IH support to institutions per capita cience & Engineering grad. students 100,000 habitants &E degrees awarded per 100,000 inhabitants cientists and engineers as % of labor force mployment in high-tech industry as % of total mployment usiness incubation subindex enture capital per capita PO volume, in \$ per capita	9.31 7.58 6.89 9.11 7.44 6.81 4.46 5.14 4.87	1 2 1 1 4 44 8 19	Business incubation subindex Employer firm births per 100,000 inhabitants % of labor force that is represented by unions Minimum wage Cost of Labor Adjusted for Educ. Attainment	4.46 4.44 4.82 3.84 2.83	34 32 39 48	
cademic Science and Engineering R&D per \$1,000 SP IIH support to institutions per capita cience & Engineering grad. students 100,000 ihabitants & E degrees awarded per 100,000 inhabitants cientists and engineers as % of labor force imployment in high-tech industry as % of total mployment Business incubation subindex enture capital per capita PO volume, in \$ per capita	9.31 7.58 6.89 9.11 7.44 6.81 4.46 5.14 4.87 5.00	1 2 2 1 1 4 4 8 19 26	Business incubation subindex Employer firm births per 100,000 inhabitants % of labor force that is represented by unions Minimum wage Cost of Labor Adjusted for Educ. Attainment Openness subindex	4.46 4.44 4.82 3.84 2.83 5.00	34 32 39 48 26	
cademic Science and Engineering R&D per \$1,000 SP IH support to institutions per capita cience & Engineering grad. students 100,000 habitants & degrees awarded per 100,000 inhabitants cientists and engineers as % of labor force mployment in high-tech industry as % of total mployment usiness incubation subindex enture capital per capita P0 volume, in \$ per capita	9.31 7.58 6.89 9.11 7.44 6.81 4.46 5.14 4.87	1 2 1 1 4 44 8 19	Business incubation subindex Employer firm births per 100,000 inhabitants % of labor force that is represented by unions Minimum wage Cost of Labor Adjusted for Educ. Attainment	4.46 4.44 4.82 3.84 2.83	34 32 39 48	
cademic Science and Engineering R&D per \$1,000 SP IH support to institutions per capita cience & Engineering grad. students 100,000 habitants &E degrees awarded per 100,000 inhabitants cientists and engineers as % of labor force mployment in high-tech industry as % of total mployment usiness incubation subindex enture capital per capita PO volume, in \$ per capita	9.31 7.58 6.89 9.11 7.44 6.81 4.46 5.14 4.87 5.00	1 2 2 1 1 4 4 8 19 26	Business incubation subindex Employer firm births per 100,000 inhabitants % of labor force that is represented by unions Minimum wage Cost of Labor Adjusted for Educ. Attainment Openness subindex	4.46 4.44 4.82 3.84 2.83 5.00	34 32 39 48 26	

MASSACHUSETTS

2018

BHI

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank	
Government and fiscal policy subindex	4.90	31	Government and fiscal policy subindex	4.90	31	
Workers' compensation premium rates	5.68	13	State and local taxes per capita /income per capita	4.41	39	
Bond rating: composite	5.52	11	Average weekly payment to insured unemployed	2.41	50	
Budget deficit, % of GSP	5.87	7				
Full-time-equivalent state and local government	5.50	18				
employees per 100 residents						
Security subindex	5.31	19	Security subindex	5.31	19	
Crime index change 2012-2013, %	5.62	10	The BGA Integrity Index	4.40	38	
Murder index, per 100,000 inhabitants	6.04	9				
Infrastructure subindex	4.21	46	Infrastructure subindex	4.21	46	
High-speed lines per 1000	5.12	14	Quality of Roads	4.15	42	
Air passengers per capita	5.21	16	Average travel time to work	3.63	47	
			Electricity Prices per kWh	3.32	47	
			Average rent of 2 bedroom apartment	3.80	43	
Human resources subindex	6.49	1	Human resources subindex	6.49	1	
% of population without health insurance	6.76	1				
Unemployment rate, not seasonally adjusted	5.74	12				
% of population enrolled in degree-granting institutions	5.87	8				
% of adults who are in the labor force	6.06	10				
Infant mortality rate, deaths per 1000 live births	6.90	1				
Rate of active physicians per 100,000 inhabitants	8.24	1				
% of students at or above proficient in mathematics, grade 4 - public schools	6.99	1				
Technology subindex	7.45	1	Technology subindex	7.45	1	
Academic Science and Engineering R&D per \$1,000 GSP	7.35	2				
NIH support to institutions per capita	9.96	1				
Patents per 100,000 inhabitants	4.88	18				
Science & Engineering grad. students 100,000 inhabitants	9.26	1				
S&E degrees awarded per 100,000 inhabitants	5.83	10				
Scientists and engineers as % of labor force	6.90	5				
Employment in high-tech industry as % of total employment	7.42	1				
Business incubation subindex	5.63	3	Business incubation subindex	5.63	3	
Total deposits (Commercial banks and Savings institutions) per capita	5.02	6	% of labor force that is represented by unions	4.35	36	
Venture capital per capita	8.85	2	Minimum wage	3.19	48	
Employer firm births per 100,000 inhabitants	6.38	5	Cost of Labor Adjusted for Educ. Attainment	2.77	50	
IPO volume, in \$ per capita	9.09	1				
Pacific Research Institute Tort Index	5.42	17				
Openness subindex	5.88	6	Openness subindex	5.88	6	
Exports per capita, dollars	5.22	19		0.00		
Incoming foreign direct investment per capita, dollars	6.24	7				
% of population born abroad	6.18	8				
Environmental policy subindex	4.70	37	Environmental policy subindex	4.70	37	
	5.76	12	Carbon emission per 1000 sq. miles	4.75	35	
Toxic release inventory, pounds per sq. miles	5.70		Calibert childelett per 1000 eq. timee			

State Index

MICHIGAN

Index Overall Rank

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COMPETITIVE ADVANTAGES		COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	5.92	1	Government and fiscal policy subindex	5.92	
State and local taxes per capita /income per capita	8.50	1			
Norkers' compensation premium rates	5.66	14			
Average weekly payment to insured unemployed	5.52	16			
Eull-time-equivalent state and local government employees per 100 residents	6.08	4			
Security subindex	4.43	42	Security subindex	4.43	42
			Crime index, per 100,000 inhabitants	4.47	38
			Crime index change 2012-2013, %	4.77	36
			Murder index, per 100,000 inhabitants	4.59	33
			The BGA Integrity Index	3.87	47
nfrastructure subindex	5.02	28	Infrastructure subindex	5.02	28
High-speed lines per 1000	5.44	10	Quality of Roads	4.76	33
			Electricity Prices per kWh	4.50	40
Human resources subindex	4.90	30	Human resources subindex	4.90	30
% of population without health insurance	5.91	8	Unemployment rate, not seasonally adjusted	4.63	34
% of population aged 25 and over that graduated from high school	5.50	16	% of adults who are in the labor force	4.44	37
Rate of active physicians per 100,000 inhabitants	5.29	15	Infant mortality rate, deaths per 1000 live births	4.26	38
			% of students at or above proficient in mathematics, grade 4 - public schools		
Fechnology subindex	5.23	14	Technology subindex	5.23	14
Academic Science and Engineering R&D per \$1,000 GSP	5.97	7	S&E degrees awarded per 100,000 inhabitants	4.30	37
NIH support to institutions per capita	5.02	17			
Patents per 100,000 inhabitants	5.28	11			
Science & Engineering grad. students 100,000 nhabitants	5.53	13			
Scientists and engineers as % of labor force	6.05	6			
Employment in high-tech industry as % of total employment	5.28	18			
Business incubation subindex	4.43	47	Business incubation subindex Total deposits (Commercial banks and Savings institutions)	4.43 4.71	47 36
			per capita	7.7 1	50
			Employer firm births per 100,000 inhabitants	3.70	46
			% of labor force that is represented by unions	4.18	40
			Minimum wage	4.16	35
			Pacific Research Institute Tort Index	4.06	43
				4.00	40
Openness subindex	5.67	9	Openness subindex	5.67	9
xports per capita, dollars	6.58	4			
ncoming foreign direct investment per capita, dollars	5.84	13			
Environmental policy subindex	5.01	28	Environmental policy subindex	5.01	28
			Air Quality Index	4.54	35

2018

MINNESOTA

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MINNESOTA	2040		<u>Index</u> 6.03	<u>Overall</u> 7	Rank
	2018 AGES		COMPETITIVE DISADVANTAGES		
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	4.87	34	Government and fiscal policy subindex	4.87	
Bond rating: composite	5.77	10	State and local taxes per capita /income per capita	4.03	43
Budget deficit, % of GSP	5.27	19	Average weekly payment to insured unemployed	3.52	48
ull-time-equivalent state and local government mployees per 100 residents	5.53	15			
Security subindex	5.44	12	Security subindex	5.44	12
Crime index, per 100,000 inhabitants	5.92	10			
Murder index, per 100,000 inhabitants	6.08	7			
nfrastructure subindex	5.16	20	Infrastructure subindex	5.16	20
Quality of Roads	5.46	20	Electricity Prices per kWh	4.97	36
Air passengers per capita Average travel time to work	5.38 5.24	11 17			
average traver time to work	5.24	17			
luman resources subindex	6.23	3	Human resources subindex	6.23	3
6 of population without health insurance 6 of population aged 25 and over that graduated from	6.24 6.38	5 3			
igh school	0.30	3			
nemployment rate, not seasonally adjusted	5.98	9			
o of population enrolled in degree-granting institutions	6.02	7			
6 of adults who are in the labor force	6.69	1			
nfant mortality rate, deaths per 1000 live births	5.96	12			
ate of active physicians per 100,000 inhabitants	5.57	13			
6 of students at or above proficient in mathematics, rade 4 - public schools	6.99	1			
Technology subindex IIH support to institutions per capita	4.87 5.36	27 10	Technology subindex Academic Science and Engineering R&D per \$1,000 GSP	4.87 4.23	27 42
in r support to institutions per capita	5.50	10	Academic Science and Engineering Rab per \$1,000 GSP	4.25	42
atents per 100,000 inhabitants	5.44	9	Science & Engineering grad. students 100,000 inhabitants	4.30	41
cientists and engineers as % of labor force	5.67	9	S&E degrees awarded per 100,000 inhabitants	4.47	35
Employment in high-tech industry as % of total imployment	5.44	14			
Business incubation subindex	4.57	42	Business incubation subindex	4.57	42
otal deposits (Commercial banks and Savings nstitutions) per capita	4.93	7	Employer firm births per 100,000 inhabitants	4.04	42
enture capital per capita	4.90	12	% of labor force that is represented by unions	4.06	43
PO volume, in \$ per capita	5.44	12	Minimum wage	4.17	36
			Cost of Labor Adjusted for Educ. Attainment	4.02	41
Dpenness subindex	5.23	20	Openness subindex	5.23	20
xports per capita, dollars	6.30	7	Incoming foreign direct investment per capita, dollars	4.54	32
nvironmental policy subindex	5.60	10	Environmental policy subindex	5.60	10
oxic release inventory, pounds per sq. miles	5.73	15			
arbon emission per 1000 sq. miles	5.67	17			
Air Quality Index	5.40	15			

State Index

MISSISSIPPI

<u>Index</u>	<u>Overall Rank</u>
3.82	44

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2018 COMPETITIVE ADVANTAGES			3.82	44	
			COMPETITIVE DISADVANTAGES		
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
	5.14	18	Government and fiscal policy subindex	5.14	18
Government and fiscal policy subindex State and local taxes per capita /income per capita	5.48	12	Full-time-equivalent state and local government employees	3.85	47
				5.05	47
Workers' compensation premium rates Average weekly payment to insured unemployed	5.34 6.74	20 1			
Security subindex	5.43 5.83	13 13	Security subindex	5.43 4.51	13 35
Crime index, per 100,000 inhabitants The BGA Integrity Index	6.31	4	Murder index, per 100,000 inhabitants	4.51	33
Infrastructure subindex	4.93	31	Infrastructure subindex	4.93	31
Electricity Prices per kWh	5.56	14	Quality of Roads	4.41	39
Average rent of 2 bedroom apartment	6.02	5	High-speed lines per 1000	4.49	36
			Air passengers per capita	4.14	48
Human resources subindex	3.56	50	Human resources subindex	3.56	50
	0.00		% of population without health insurance	3.72	45
			% of population aged 25 and over that graduated from high school	3.33	47
			Unemployment rate, not seasonally adjusted	3.78	45
			% of adults who are in the labor force	2.99	49
			Infant mortality rate, deaths per 1000 live births	2.73	50
			Rate of active physicians per 100,000 inhabitants	3.55	50
			% of students at or above proficient in mathematics, grade 4 - public schools	3.69	45
Technology subindex	4.61	35	Technology subindex	4.61	35
Academic Science and Engineering R&D per \$1,000 GSP	5.34	14	NIH support to institutions per capita	4.16	48
S&E degrees awarded per 100,000 inhabitants	5.68	12	Patents per 100,000 inhabitants	4.32	46
			Science & Engineering grad. students 100,000 inhabitants	4.42	37
			Scientists and engineers as % of labor force	3.33	50
			Employment in high-tech industry as % of total employment	3.70	49
Business incubation subindex	5.08	19	Business incubation subindex	5.08	19
% of labor force that is represented by unions	5.80	14	Total deposits (Commercial banks and Savings institutions)	4.68	45
. ,			per capita		
Minimum wage	5.92	1	Venture capital per capita	4.56	50
Cost of Labor Adjusted for Educ. Attainment	6.48	3	Employer firm births per 100,000 inhabitants	3.55	48
Openness subindex	4.07	47	Openness subindex	4.07	47
			Exports per capita, dollars	4.17	39
			Incoming foreign direct investment per capita, dollars	4.16	39
			% of population born abroad	3.87	48
Environmental policy subindex	5.04	26	Environmental policy subindex	5.04	26
Air Quality Index	5.14	17	Toxic release inventory, pounds per sq. miles	4.65	36

MISSOURI

Index Overall Rank 4.49 35

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2018 COMPETITIVE ADVANTAGES			4.49 35 COMPETITIVE DISADVANTAGES		
Government and fiscal policy subindex	5.21	14	Government and fiscal policy subindex	5.21	1
Budget deficit, % of GSP	5.27	19	Full-time-equivalent state and local government	5.07	31
verage weekly payment to insured unemployed	6.01	11			
ecurity subindex	4.08	49	Security subindex Crime index, per 100,000 inhabitants	4.08 4.14	49 43
			Crime index change 2012-2013, % Murder index, per 100,000 inhabitants	4.56 2.78	38 49
nfrastructure subindex	5.10	25	Infrastructure subindex	5.10	25
ligh-speed lines per 1000	4.91	19	Quality of Roads	4.58	36
ir passengers per capita	4.95	20	Electricity Prices per kWh	5.17	32
verage travel time to work	5.21	19			
verage rent of 2 bedroom apartment	5.75	13			
luman resources subindex	5.11	25	Human resources subindex	5.11	25
nemployment rate, not seasonally adjusted	5.74	12	% of population without health insurance	4.60	33
6 of population enrolled in degree-granting institutions	5.26	16	Infant mortality rate, deaths per 1000 live births	4.77	31
echnology subindex	5.12	18	Technology subindex	5.12	18
IIH support to institutions per capita	5.34	11			
atents per 100,000 inhabitants icience & Engineering grad. students 100,000 ihabitants	5.30 5.61	10 11			
Business incubation subindex	5.04	25	Business incubation subindex	5.04	25
otal deposits (Commercial banks and Savings	4.79	18	Pacific Research Institute Tort Index	4.01	45
stitutions) per capita					
mployer firm births per 100,000 inhabitants	6.23	8			
ost of Labor Adjusted for Educ. Attainment	5.59	19			
Dpenness subindex	4.35	41	Openness subindex	4.35	41
			Exports per capita, dollars	4.33	35
			Incoming foreign direct investment per capita, dollars	4.56	31
			% of population born abroad	4.16	40
Invironmental policy subindex	5.05 5.14	25 18	Environmental policy subindex Toxic release inventory, pounds per sg. miles	5.05 4.91	25 33

MONTANA

Index Overall Rank 5.10 23

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COMPETITIVE ADVANTAGES		COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	4.81	38	Government and fiscal policy subindex	4.81	38
State and local taxes per capita /income per capita	5.56	11	Workers' compensation premium rates	4.41	38
Bond rating: composite	5.27	19	Budget deficit, % of GSP Full-time-equivalent state and local government employees per 100 residents	4.06 4.45	43 38
Security subindex	5.29	20	Security subindex	5.29	20
Crime index change 2012-2013, %	5.45	14			
Murder index, per 100,000 inhabitants	5.54	20			
The BGA Integrity Index	5.23	15			
Infrastructure subindex	5.49	4	Infrastructure subindex	5.49	4
Quality of Roads	5.72	12	High-speed lines per 1000	4.27	45
Average travel time to work	6.66	4			
Electricity Prices per kWh	5.49	18			
Average rent of 2 bedroom apartment	5.94	7			
Human resources subindex	5.07	26	Human resources subindex	5.07	26
% of population aged 25 and over that graduated from	6.57	1	% of population enrolled in degree-granting institutions	3.96	45
high school					
Infant mortality rate, deaths per 1000 live births	5.45	16	Rate of active physicians per 100,000 inhabitants	4.56	31
Technology subindex Academic Science and Engineering R&D per \$1,000	4.82 5.70	29 9	Technology subindex Patents per 100,000 inhabitants	4.82 4.36	29 38
GSP	5.70	5		4.00	50
S&E degrees awarded per 100,000 inhabitants	5.48	14	Science & Engineering grad. students 100,000 inhabitants	4.55	34
			Scientists and engineers as % of labor force	4.49	32
			Employment in high-tech industry as % of total employment	4.21	37
Business incubation subindex	4.99	28	Business incubation subindex	4.99	28
Employer firm births per 100,000 inhabitants	6.36	6	Total deposits (Commercial banks and Savings institutions)	4.72	34
			per capita		
Cost of Labor Adjusted for Educ. Attainment	6.15	4	Venture capital per capita	4.67	31
			% of labor force that is represented by unions	4.45	34
			Pacific Research Institute Tort Index	4.06	43
Openness subindex	3.44	50	Openness subindex	3.44	50
			Exports per capita, dollars	3.78	47
			Incoming foreign direct investment per capita, dollars	2.69	50
Environmental policy subindey	6.05	5	% of population born abroad Environmental policy subindex	3.85	49 5
Environmental policy subindex Toxic release inventory, pounds per sq. miles	6.05 5.78	5 11	Environmental policy subindex	6.05	5
Carbon emission per 1000 sq. miles	6.01	7			
Air Quality Index	6.35	8			
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2018

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Index	<u>Overall Rank</u>
6.14	6

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	2018		6.14	6		
COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank	
overnment and fiscal policy subindex	5.07	24	Government and fiscal policy subindex	5.07		
ond rating: composite	6.26	1	Full-time-equivalent state and local government employees	4.38	42	
Security subindex	5.49	8	Security subindex	5.49	8	
rime index, per 100,000 inhabitants	5.51	18	Crime index change 2012-2013, %	4.42	43	
lurder index, per 100,000 inhabitants he BGA Integrity Index	5.91 6.10	12 6				
frastructure subindex	5.45	7	Infrastructure subindex	5.45	7	
uality of Roads	5.89	8	High-speed lines per 1000	4.37	38	
verage travel time to work	6.50	5				
lectricity Prices per kWh	5.62	11				
verage rent of 2 bedroom apartment	5.74	14				
uman resources subindex	5.58	9	Human resources subindex	5.58	9	
nemployment rate, not seasonally adjusted	6.11	6	Rate of active physicians per 100,000 inhabitants	4.42	35	
o of population enrolled in degree-granting institutions	5.65	13				
of adults who are in the labor force	6.56	3				
fant mortality rate, deaths per 1000 live births	5.28	18				
o of students at or above proficient in mathematics, rade 4 - public schools	6.39	6				
echnology subindex	4.62	34	Technology subindex	4.62	34	
cademic Science and Engineering R&D per \$1,000 SP	5.32	15	Patents per 100,000 inhabitants	4.37	37	
cience & Engineering grad. students 100,000 ihabitants	5.39	15	S&E degrees awarded per 100,000 inhabitants	3.19	49	
usiness incubation subindex	4.91	32	Business incubation subindex	4.91	32	
otal deposits (Commercial banks and Savings stitutions) per capita	4.84	15	Venture capital per capita	4.58	44	
mployer firm births per 100,000 inhabitants	5.56	15	Minimum wage	4.65	34	
of labor force that is represented by unions	5.63	18	Pacific Research Institute Tort Index	4.61	33	
				10-		
penness subindex	4.38	39	Openness subindex	4.38 4.07	39 41	
			Incoming foreign direct investment per capita, dollars	4.07	41	
nvironmental policy subindex	6.10	4	Environmental policy subindex	6.10	4	
oxic release inventory, pounds per sq. miles	5.78	10				
	5.78	12				
arbon emission per 1000 sq. miles ir Quality Index	6.74	5				

NEVADA

<u>Index</u>	<u>Overall Rank</u>
4.52	32

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	2018					
COMPETITIVE ADVAN	TAGES		COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Ran	
Government and fiscal policy subindex	5.63	4	Government and fiscal policy subindex	5.63		
tate and local taxes per capita /income per capita	5.80	9	Average weekly payment to insured unemployed	4.79	31	
Vorkers' compensation premium rates	6.05	8				
Budget deficit, % of GSP	5.87	7				
Full-time-equivalent state and local government	6.23	1				
mployees per 100 residents						
Security subindex	4.23	46	Security subindex	4.23	46	
Crime index change 2012-2013, %	5.82	5	Crime index, per 100,000 inhabitants	3.89	46	
			Murder index, per 100,000 inhabitants	4.10	41	
			The BGA Integrity Index	3.13	50	
frastructure subindex	5.46	6	Infrastructure subindex	5.46	6	
Quality of Roads	5.63 7.51	18 2	High-speed lines per 1000	4.52 4.55	33 35	
kir passengers per capita Electricity Prices per kWh	5.53	2 17	Average rent of 2 bedroom apartment	4.00	30	
luman resources subindex	4.10	47	Human resources subindex	4.10	47	
			% of population without health insurance	4.01	44	
			% of population aged 25 and over that graduated from high	3.90	43	
			school			
			Unemployment rate, not seasonally adjusted	4.14	42	
			% of population enrolled in degree-granting institutions	3.23	49	
			and the second		.0	
			Rate of active physicians per 100,000 inhabitants	3.95	46	
			% of students at or above proficient in mathematics, grade 4 - public schools	3.69	45	
Fechnology subindex	4.03	49	Technology subindex	4.03	49	
&E degrees awarded per 100,000 inhabitants	4.97	20	Academic Science and Engineering R&D per \$1,000 GSP	3.23	50	
		-				
			NIH support to institutions per capita	4.08	49	
			Science & Engineering grad. students 100,000 inhabitants	3.30	50	
			Scientists and engineers as % of labor force	3.40	48	
			Employment in high-tech industry as % of total employment	3.86	46	
Business incubation subindex	4.97	30	Business incubation subindex	4.97	30	
otal deposits (Commercial banks and Savings	5.23	5	% of labor force that is represented by unions	4.12	41	
istitutions) per capita						
mployer firm births per 100,000 inhabitants	5.60	12	Pacific Research Institute Tort Index	4.36	40	
PO volume, in \$ per capita	4.95	18				
ost of Labor Adjusted for Educ. Attainment	5.60	18				
Dpenness subindex	5.86	7	Openness subindex	5.86	7	
xports per capita, dollars	6.52	5	Incoming foreign direct investment per capita, dollars	4.42	35	
6 of population born abroad	6.66	5				
nvironmental policy subindex	4.39	39	Environmental policy subindex	4.39	39	
arbon emission per 1000 sq. miles	5.99	8	Toxic release inventory, pounds per sq. miles	2.65	48	
	•	•	Air Quality Index	4.51	37	

NEW HAMPSHIRE

Environmental policy subindex

Carbon emission per 1000 sq. miles

Toxic release inventory, pounds per sq. miles

2018

4.91

6.02

5.84

31

1

10

Environmental policy subindex

Air Quality Index

COMPETITIVE ADVANTAGES

COMPETITIVE ADVANTAGES		COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	5.21	13	Government and fiscal policy subindex	5.21	1:
State and local taxes per capita /income per capita	5.95	8	Budget deficit, % of GSP	4.36	37
Bond rating: composite	5.27	19			
Full-time-equivalent state and local government	5.54	14			
employees per 100 residents					
Security subindex	4.81	29	Security subindex	4.81	29
Crime index, per 100,000 inhabitants	6.22	3	Crime index change 2012-2013, %	1.75	49
Murder index, per 100,000 inhabitants	6.24	2			
The BGA Integrity Index	5.02	19			
Infrastructure subindex	4.28	45	Infrastructure subindex	4.28	45
			Quality of Roads	4.67	35
			High-speed lines per 1000	4.31	42
			Air passengers per capita	4.32	43
			Average travel time to work	4.25	39
			Electricity Prices per kWh	3.67	45
			Average rent of 2 bedroom apartment	4.45	36
Human resources subindex	6.42	2	Human resources subindex	6.42	2
% of population without health insurance	5.81	14			
% of population aged 25 and over that graduated from high school	6.26	6			
Unemployment rate, not seasonally adjusted	6.60	1			
% of population enrolled in degree-granting institutions	7.78	2			
% of adults who are in the labor force	6.39	6			
Infant mortality rate, deaths per 1000 live births	6.47	3			
Rate of active physicians per 100,000 inhabitants	5.80	9			
% of students at or above proficient in mathematics, grade 4 - public schools	6.24	7			
Technology subindex	5.22	15	Technology subindex	5.22	15
Academic Science and Engineering R&D per \$1,000	6.22	4	Patents per 100,000 inhabitants	4.38	35
GSP				4.00	55
NIH support to institutions per capita	5.06	16			
Scientists and engineers as % of labor force	5.63	10			
Employment in high-tech industry as % of total	6.15	9			
employment					
Business incubation subindex	5.04	23	Business incubation subindex	5.04	23
Venture capital per capita	4.78	20	Cost of Labor Adjusted for Educ. Attainment	4.03	40
Employer firm births per 100,000 inhabitants	6.01	9			
IPO volume, in \$ per capita	4.81	20			
Minimum wage	5.92	1			
Openness subindex	4.93	27	Openness subindex	4.93	27
Incoming foreign direct investment per capita, dollars	6.64	2	Exports per capita, dollars	3.68	48
5 5 · · · · · · · · · · · · · · · · · ·		1	, , , , , , , , , , , , , , , , , , ,		-

4.91

2.89

31

50

Overall Rank Index 16

5.38

COMPETITIVE DISADVANTAGES

Page 44

18h Annual BHI State Competitiveness Report

NEW JERSEY

<u>Index</u> **Overall Rank** 50

	2018		2.85	50		
COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank	
Government and fiscal policy subindex	3.72	50	Government and fiscal policy subindex	3.72	5	
Budget deficit, % of GSP	5.57	12	State and local taxes per capita /income per capita	3.15	48	
			Workers' compensation premium rates	2.77	48	
			Bond rating: composite	2.20	49	
			Average weekly payment to insured unemployed	3.55	47	
ecurity subindex	5.42	15	Security subindex	5.42	15	
Crime index, per 100,000 inhabitants	6.00	6				
lurder index, per 100,000 inhabitants	5.54	20				
nfrastructure subindex	4.05	49	Infrastructure subindex	4.05	49	
ligh-speed lines per 1000	5.39	11	Quality of Roads	2.67	49	
ir passengers per capita	5.10	19	Average travel time to work	3.12	48	
			Electricity Prices per kWh	4.60	39	
			Average rent of 2 bedroom apartment	3.43	47	
luman resources subindex	5.26	18	Human resources subindex	5.26	18	
nfant mortality rate, deaths per 1000 live births	6.22	6	Unemployment rate, not seasonally adjusted	4.76	32	
Rate of active physicians per 100,000 inhabitants	5.64	11	% of population enrolled in degree-granting institutions	3.84	47	
6 of students at or above proficient in mathematics, rade 4 - public schools	6.54	4	% of adults who are in the labor force	4.71	31	
Technology subindex Patents per 100,000 inhabitants	4.91 6.00	26 7	Technology subindex Academic Science and Engineering R&D per \$1,000 GSP	4.91 3.77	26 48	
S&E degrees awarded per 100,000 inhabitants	4.99	19	NIH support to institutions per capita	4.34	39	
cientists and engineers as % of labor force	5.54	11				
Employment in high-tech industry as % of total mployment	5.64	10				
Business incubation subindex	4.45	45	Business incubation subindex	4.45	45	
otal deposits (Commercial banks and Savings istitutions) per capita	4.87	10	% of labor force that is represented by unions	4.02	44	
mployer firm births per 100,000 inhabitants	5.57	14	Minimum wage	4.94	31	
PO volume, in \$ per capita	6.03	8	Pacific Research Institute Tort Index	2.56	50	
			Cost of Labor Adjusted for Educ. Attainment	2.80	49	
Openness subindex	6.28	2	Openness subindex	6.28	2	
ncoming foreign direct investment per capita, dollars	6.83	1				
% of population born abroad	7.11	3	Environmental policy outrinder	101	15	
nvironmental policy subindex	4.04	45	Environmental policy subindex Toxic release inventory, pounds per sq. miles	4.04 4.62	45 37	
			Carbon emission per 1000 sg. miles	2.86	48	
			Garbon emission per 1000 sq. filles	2.00	+0	

NEW MEXICO

dex	<u>Overall Rank</u>
3.74	46

NEW MEXICO	2049		Index 3.74	<u>Overall</u> 46	<u>Rank</u>
2018 COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTA	GES	
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	5.22	12	Government and fiscal policy subindex	5.22	
State and local taxes per capita /income per capita	5.41	15	Full-time-equivalent state and local government employees	4.22	43
Workers' compensation premium rates	5.42	17			
Bond rating: composite	5.52	11			
Budget deficit, % of GSP	5.57	12			
Average weekly payment to insured unemployed	5.21	20			
Security subindex	3.79	50	Security subindex	3.79	50
The BGA Integrity Index	5.83	8	Crime index, per 100,000 inhabitants	1.89	49
			Crime index change 2012-2013, %	3.86	48
			Murder index, per 100,000 inhabitants	3.56	47
Infrastructure subindex	4.92	34	Infrastructure subindex	4.92	34
Average travel time to work	4.92 5.60	14	Quality of Roads	4.92 4.15	42
Average rent of 2 bedroom apartment	5.68	16	High-speed lines per 1000	4.38	37
			Air passengers per capita	4.57	31
			Electricity Prices per kWh	5.14	33
11	4.07	40	Human management authinday.	4.07	40
Human resources subindex	4.07 5.17	48 17	Human resources subindex % of population without health insurance	4.07 4.57	48 35
% of population enrolled in degree-granting institutions	5.17	17	% of population without nearth insurance	4.57	30
			% of population aged 25 and over that graduated from high	3.33	47
			school		
			Unemployment rate, not seasonally adjusted	3.41	48
			% of adults who are in the labor force	3.41	48
			Rate of active physicians per 100,000 inhabitants	4.52	32
			% of students at or above proficient in mathematics, grade 4 - public schools	3.09	49
Technology subindex	5.20	16	Technology subindex	5.20	16
Academic Science and Engineering R&D per \$1,000	5.07	20	Patents per 100,000 inhabitants	4.31	47
GSP					
S&E degrees awarded per 100,000 inhabitants	5.98	4			
Employment in high-tech industry as % of total	6.25	8			
employment					
Business incubation subindex	5.07	22	Business incubation subindex	5.07	22
% of labor force that is represented by unions	5.59	19	Total deposits (Commercial banks and Savings institutions)	4.65	49
· · ·			per capita		
Cost of Labor Adjusted for Educ. Attainment	6.61	1	Employer firm births per 100,000 inhabitants	4.50	32
			Pacific Research Institute Tort Index	4.40	38
Openness subindex	4.14	43	Openness subindex	4.14	43
% of population born abroad	5.06	19	Exports per capita, dollars	3.90	45
			Incoming foreign direct investment per capita, dollars	3.45	49
Environmental policy subindex	5.56	12	Environmental policy subindex	5.56	12
oxic release inventory, pounds per sq. miles	5.86	4			
Carbon emission per 1000 sg. miles	5.89	9			

State Index

NEW YORK

Index Overall Rank 5.02 25

BHI

COMPETITIVE ADVANTAGES		COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	4.46	45	Government and fiscal policy subindex	4.46	45
Bond rating: composite	5.52	11	State and local taxes per capita /income per capita	2.83	50
Budget deficit, % of GSP	7.07	2	Workers' compensation premium rates Full-time-equivalent state and local government employees per 100 residents	2.30 4.11	50 45
Security subindex	5.23	21	Security subindex	5.23	21
Murder index, per 100,000 inhabitants The BGA Integrity Index	5.67 5.67	17 9	Crime index change 2012-2013, %	4.50	40
Infrastructure subindex	4.48	43	Infrastructure subindex	4.48	43
High-speed lines per 1000	6.99	4	Quality of Roads	4.58	36
Air passengers per capita	5.15	17	Average travel time to work	2.70	50
			Electricity Prices per kWh Average rent of 2 bedroom apartment	3.75 3.71	44 45
Human resources subindex	5.18	20	Human resources subindex	5.18	20
% of population without health insurance	5.91	8	% of population aged 25 and over that graduated from high school	3.97	42
% of population enrolled in degree-granting institutions	5.15	18	Unemployment rate, not seasonally adjusted	4.76	32
Infant mortality rate, deaths per 1000 live births	6.13	9	% of adults who are in the labor force	4.36	40
Rate of active physicians per 100,000 inhabitants	6.89	3	% of students at or above proficient in mathematics, grade 4 - public schools	4.29	36
Technology subindex	5.36	9	Technology subindex	5.36	9
Academic Science and Engineering R&D per \$1,000 GSP	5.08	19			
NIH support to institutions per capita	5.86	8			
Patents per 100,000 inhabitants Science & Engineering grad. students 100,000	5.01 6.29	15 5			
inhabitants S&E degrees awarded per 100,000 inhabitants	5.05	18			
Business incubation subindex	4.72	39	Business incubation subindex	4.72	39
Total deposits (Commercial banks and Savings institutions) per capita	5.37	4	% of labor force that is represented by unions	2.48	49
Venture capital per capita	6.60	3	Minimum wage	3.62	44
IPO volume, in \$ per capita	7.87	2	Pacific Research Institute Tort Index	2.85	49
			Cost of Labor Adjusted for Educ. Attainment	3.88	43
Openness subindex	6.38	1	Openness subindex	6.38	1
Exports per capita, dollars	6.51	6			
Incoming foreign direct investment per capita, dollars	5.46	19			
% of population born abroad	7.18	2			
Environmental policy subindex Toxic release inventory, pounds per sq. miles	5.09 5.75	22 13	Environmental policy subindex Air Quality Index	5.09 4.11	22 44
Toxic release inventory, pounds per sq. milles	5.75	13		4.11	44

2018

NORTH CAROLINA

Overall Rank <u>Index</u>

Government and fiscal policy subindex 4.76 4.76 0 Nerrage weekly payment to insured unemployed 0.09 9 State and focal taxops reprojation fractions per capital Budget defict, % of GSP 4.74 3 Security subindex 4.77 22 Social focal taxops reprojation fractions per capital Budget defict, % of GSP 4.77 9 Security subindex 5.16 18 Contributes charge policy subindex 4.72 9 State and projation fractions per control 5.43 9 Infrastructure subindex 4.62 4.39 3 Infrastructure subindex 5.41 9 Infrastructure subindex 4.56 3 Murder index, per 100,000 5.44 9 4.16 4.18		2018		5.91	11		
Soverment and fiscal policy subindex 4.76 41 Government and fiscal policy subindex 4.76 Warage weekly payment to insured unemployed 6.09 9 State and local taxes per capital informe per capital Budget delot, % of GSP 4.74 3 Becurity subindex 4.77 22 Source insuition per capital Budget delot, % of GSP 4.77 9 Security subindex 5.16 18 Source insuition per capital Budget delot, % of GSP 4.77 9 Infrastructure subindex 5.43 9 Infrastructure subindex 4.39 3 Infrastructure subindex 5.41 9 Infrastructure subindex 4.39 3 Ur passangers per capita incitation prices per Whit 5.53 10 Infrastructure subindex 4.56 3 Ur passangers per capita is of statedents at or above proficient in mathematics, of stated state of above proficient in mathematics, of state 4 - public schools 6.03 3 Technology subindex 4.33 3 State and the space ratio in backstructure subindex 6.03 3 Technology subindex 4.33 3 State 4 - public schools 6.03 <t< th=""><th>COMPETITIVE ADVANTA</th><th>AGES</th><th></th><th colspan="4">COMPETITIVE DISADVANTAGES</th></t<>	COMPETITIVE ADVANTA	AGES		COMPETITIVE DISADVANTAGES			
vectage weekly payment to insured unemployed 5.09 9 State and local taxes per capita innome per capita 4.74 3 eacurity subindex 4.77 32 Security subindex 4.76 3 he BCA Integrity Index 5.16 18 Crime index change 2012-2013.% 4.02 andrastructure subindex 5.43 9 Intrastructure subindex 5.43 4.02 andrastructure subindex 5.43 10 Intrastructure subindex 5.43 4.02 andrastructure subindex 5.43 10 Intrastructure subindex 5.43 4.02 ight-speed lines per 1000 5.44 9 10 Intrastructure subindex 4.36 3 ight-speed lines per 1000 5.44 10 Intrastructure subindex 4.36 3 ight-speed lines per 1000 5.44 15 % of population aged 25 and over that graduated from instrumence 4.18 4 ight-speed lines per 1000 5.44 15 % of population aged 25 and over that graduated from instructure subindex 4.39 3 index and per 1000 6.44 15 15 % of population aged 25 and over that graduated from instructure subindex 4.33 3 index and per 1000 6.29 3 16 14 14						Rank	
ieurity subindex 4.77 32 Security subindex 4.77 3 ieurity subindex 5.16 18 Security subindex 4.77 3 ieurity subindex 5.16 18 Crime index change 2012/2013, % 4.62 3 integrity Index 5.43 0 Intrastructure subindex 4.62 3 integrity Index 5.43 0 Intrastructure subindex 4.62 3 intrastructure subindex 5.43 0 Intrastructure subindex 5.43 1 intrastructure subindex 5.43 0 Intrastructure subindex 5.43 1 intrastructure subindex 5.53 37 Human resources subindex 4.56 37 intrastructure subindex 5.54 15 % of population nenotide in degree-granting institutions 4.39 3 intrastructure subindex 6.63 3 Technology subindex 4.44 3 infant mortality rate, deaths per 1000 line bitths 4.44 3 3 isponsion 5.67 7 1 1 istadent at on population nenoted in degree-granting institutions 4.43 3 isponsion 5.67 7 1 istadent at on capolation remoted in degree						31	
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Infrastructure subindex 5.43 9 Infrastructure subindex 5.43 9 Infrastructure subindex 5.51 10 Standing of Roads 5.51 10 Ily passengines per capita 5.53 10 Iterative subindex 5.53 10 Iuman resources subindex 4.56 37 Human resources subindex 4.56 37 Iuman resources subindex 4.56 37 Iuman resources subindex 4.56 37 Iuman resources subindex 4.39 is dudents at or above proficient in mathematics, rade 4 - public schools 5.54 is dudents at or above proficient in mathematics, rade 4 - public schools 5.54 is dudents at or above proficient in mathematics, rade 4 - public schools 6.03 3 is dudents at or above proficient in mathematics, rade 4 - public schools 6.03 3 is dudents at or above proficient in mathematics, rade 4 - public schools 6.03 3 is dudents at or above proficient in mathematics, rade 4 - public schools 6.03 3 is dudents at or above proficient in mathematics, rade 4 - public schools 6.03 3 is dudents at or above proficient in mathematics, rade 4 - public schools 6.03 3 is dudents at or above proficient in mathematics, rade 4 - public sch	Security subindex	4.77	32	Security subindex	4.77	32	
Infrastructure subindex 5.43 9 Infrastructure subindex 5.43 6 Vigh-segend lines per 1000 5.44 9 14 Vigh-segend lines per 1000 5.44 9 Vigh-segend lines per 1000 5.43 10 Vigh-segend lines per 1000 5.43 10 Vigh-segend lines per 1000 5.44 9 Vigh-segend lines per 1000 5.34 15 % of population aged 25 and over that graduated from high school 4.39 % of population aged 25 and over that graduated from high school 4.44 % of population aged 25 and over that graduated from high school 4.43 % of population aged 25 and over that graduated from high school 4.44 % of population aged 25 and over that graduated from high school 4.44 3 3 Technology subindex 6.03 scademic Science and Engineering R&D per \$1.000 5.29 3 3P 18 5.87 7 Vietantis per 0.000 inhabitants 5.86 8 Scientist and engineers as % of total 5.13 20 Vietanteper 20,000 inhabitants	he BGA Integrity Index	5.16	18	Crime index change 2012-2013, %	4.62	37	
builty of Roads 5.81 10 iip appeed lines per 1000 5.44 9 if passengers per capita 5.24 14 iscriticity Prices per KWh 5.33 15 % of population without health insurance 4.56 37 itumar resources subindex 4.56 37 Human resources subindex 4.56 38 of dudents at or above proficient in mathematics, rade 4 - public schools 5.34 15 % of population anged 25 and over that graduated from high school 4.39 3 is of adults who are in the labor force and Engineering R&D per \$1,000 6.03 3 Technology subindex 6.03 4 is derive prices and Engineering R&D per \$1,000 5.87 7 1 4 3 istering prices and Engineering R&D per \$1,000 5.87 7 1 4 3 istering prices and Engineering R&D per \$1,000 5.87 7 1 4 3 istering prices and Engineering R&D per \$1,000 5.87 7 1 4 3 istering prices and Engineering R&D per \$1,000 5.87 7 1 4 3 istering prices and Engineering R&D per \$1,000 5.87 7 1 4 3 istering prices and Engineering R&D per \$1,000 5.87 <				Murder index, per 100,000 inhabitants	4.39	36	
igip-Seed lines per 1000 ign-Seed lines per 4000 irrssengens per kWh add 4 - public schools 4.56 4.77 4.77				Infrastructure subindex	5.43	9	
processingers per capita 5.24 14 lectricity Prices per KWh 5.63 10 uman resources subindex 4.56 37 uman resources subindex 4.56 37 under train resources subindex 4.56 37 under train resources subindex 4.56 3 of students at or above proficient in mathematics, arade 4 - public schools 5.34 15 % of population aged 25 and over that graduated from high school 4.39 3 wide 4 - public schools 6.03 3 Technology subindex 4.44 3 echnology subindex 6.03 3 Technology subindex 6.03 2 cademic Science and Engineering R&D per \$1,000 6.29 3 1 4 4.01 4 SP 7 1 8.08 1 4 4 3 4							
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Iuman resources subindex 4.56 37 Human resources subindex 4.56 3 rade 4 - public schools 5.34 15 % of population without health insurance 4.18 4 % of population aged 25 and over that graduated from high school 4.39 3 % of population enrolled in degree-granting institutions 4.43 3 % of adults who are in the labor force infant mortality rate, deaths per 1000 live births 4.41 3 Technology subindex 6.03 3 Technology subindex 6.03 3 reademic Science and Engineering R&D per \$1,000 587 7 7 atents per 1000 inhabitants 5.86 8 1 Scientists and engineers as % of labor force imployment in high-tech industry as % of total 5.13 20 Susiness incubation subindex 5.52 6 Business incubation subindex 5.52 0 Statisticins per capita fartimum wage 5.52 7 6 Business incubation subindex 5.52 0 Statisticins per capita fartimum wage 5.52 7 6 0 0 Statisticins per capita fartimum wage 5.52 7 6 0 0 Statisticins per capita fartimum wage 5.52 7 6 0 0 <t< td=""><td></td><td></td><td></td><td></td><td> </td><td></td></t<>							
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Toxic release inventory, pounds per sq. miles 4.82 3							
Toxic release inventory, pounds per sq. miles 4.82 33							
	nvironmental policy subindex	4.86	33		4.86	33	
Carbon emission per 1000 sq. miles 4.97 3						34	
				Carbon emission per 1000 sq. miles	4.97	31	

NORTH DAKOTA

Index	<u>Overall Rank</u>
5.85	12

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	2018		5.85	12		
COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank	
Government and fiscal policy subindex	5.09	22	Government and fiscal policy subindex	5.09		
State and local taxes per capita /income per capita	5.21	19	Average weekly payment to insured unemployed	3.62	45	
Vorkers' compensation premium rates	6.76	1	Full-time-equivalent state and local government employees	4.15	44	
Bond rating: composite	5.52	11	per 100 residents			
Budget deficit, % of GSP	5.52	19				
budget denoit, 70 of GGF	5.27	15				
Security subindex	4.54	37	Security subindex	4.54	37	
Crime index, per 100,000 inhabitants	5.54	17	Crime index change 2012-2013, %	0.89	50	
Murder index, per 100,000 inhabitants	5.87	15				
The BGA Integrity Index	5.86	7				
nfrastructure subindex	5.52	2	Infrastructure subindex	5.52	2	
Quality of Roads	6.16	4	High-speed lines per 1000	4.23	47	
Average travel time to work	6.89	2				
Average rent of 2 bedroom apartment	5.82	11				
Human resources subindex	5.84	5	Human resources subindex	5.84	5	
% of population aged 25 and over that graduated from high school	5.96	9	Rate of active physicians per 100,000 inhabitants	4.39	36	
Unemployment rate, not seasonally adjusted	6.35	3				
% of population enrolled in degree-granting institutions	5.72	11				
% of adults who are in the labor force	6.66	2				
nfant mortality rate, deaths per 1000 live births	6.39	5				
% of students at or above proficient in mathematics, grade 4 - public schools	5.94	10				
Technology subindex	5.07	21	Technology subindex	5.07	21	
Academic Science and Engineering R&D per \$1,000 GSP	5.76	8	NIH support to institutions per capita	4.32	41	
Science & Engineering grad. students 100,000 nhabitants	6.30	4	Patents per 100,000 inhabitants	4.30	50	
S&E degrees awarded per 100,000 inhabitants	5.46	15	Scientists and engineers as % of labor force	4.25	38	
			Employment in high-tech industry as % of total employment	4.26	35	
Business incubation subindex	5.20	14	Business incubation subindex	5.20	14	
Total deposits (Commercial banks and Savings	4.87	12	Venture capital per capita	4.62	34	
nstitutions) per capita	-		p p p	-	-	
% of labor force that is represented by unions	5.88	12	Cost of Labor Adjusted for Educ. Attainment	4.10	38	
Ainimum wage	5.92	1				
Pacific Research Institute Tort Index	6.59	5				
Openness subindex	4.69	31	Openness subindex	4.69	31	
Exports per capita, dollars	6.09	9	Incoming foreign direct investment per capita, dollars	3.86	44	
			% of population born abroad	4.13	42	
Environmental policy subindex	4.98	29	Environmental policy subindex	4.98	29	
Carbon emission per 1000 sq. miles	5.62	18	Air Quality Index	3.86	45	

OHIO

<u>Index</u>	<u>Overall Rank</u>
4.51	34

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	2018		4.51	34		
COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank	
Government and fiscal policy subindex	5.13	20	Government and fiscal policy subindex	5.13	2	
Workers' compensation premium rates	5.62	15	State and local taxes per capita /income per capita	4.71	32	
Bond rating: composite Full-time-equivalent state and local government employees per 100 residents	5.52 5.70	11 11	Average weekly payment to insured unemployed	4.56	35	
Security subindex	5.18	23	Security subindex	5.18	23	
Crime index, per 100,000 inhabitants	5.54	16	The BGA Integrity Index	4.56	33	
Crime index change 2012-2013, %	5.75	6				
Infrastructure subindex	5.29	16	Infrastructure subindex	5.29	16	
High-speed lines per 1000	5.66	7	Air passengers per capita	4.37	41	
Average travel time to work	5.24 5.88	17 9				
Average rent of 2 bedroom apartment	5.00	9				
Human resources subindex	4.72	32	Human resources subindex	4.72	32	
% of population without health insurance	5.55	18	Unemployment rate, not seasonally adjusted	3.90 4.57	44 34	
			% of population enrolled in degree-granting institutions	4.57	- 34	
			% of adults who are in the labor force	4.61	35	
			Infant mortality rate, deaths per 1000 live births	3.92	42	
Technology subindex	4.86	28	Technology subindex	4.86	28	
Patents per 100,000 inhabitants	5.18	13	S&E degrees awarded per 100,000 inhabitants	4.52	33	
Science & Engineering grad. students 100,000 inhabitants	5.29	16	Employment in high-tech industry as % of total employment	4.42	33	
Scientists and engineers as % of labor force	5.11	20				
Business incubation subindex	4.79	37	Business incubation subindex	4.79	37	
Total deposits (Commercial banks and Savings	4.79	20	Employer firm births per 100,000 inhabitants	3.43	50	
institutions) per capita	4.00	47		4.00	05	
Venture capital per capita IPO volume, in \$ per capita	4.80 5.27	17 14	% of labor force that is represented by unions	4.39	35	
PO volume, in \$ per capita Pacific Research Institute Tort Index	5.27	14				
	0.10	10				
Openness subindex	5.03	23	Openness subindex	5.03	23	
Exports per capita, dollars	5.63	13	% of population born abroad	4.23	39	
Environmental policy subindex	4.02	46	Environmental policy subindex	4.02	46	
Air Quality Index	4.99	20	Toxic release inventory, pounds per sq. miles	3.50	46	
			Carbon emission per 1000 sq. miles	3.57	45	

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OKLAHOMA

Index Overall Rank 3.68 47

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COMPETITIVE ADVANTAGES		COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
overnment and fiscal policy subindex	4.82	36	Government and fiscal policy subindex	4.82	
ate and local taxes per capita /income per capita	5.46	13	Budget deficit, % of GSP	3.46	46
			Average weekly payment to insured unemployed	4.68	32
ecurity subindex	4.90	27	Security subindex	4.90	27
rime index change 2012-2013, %	5.34	17	Crime index, per 100,000 inhabitants	4.36	39
ne BGA Integrity Index	5.19	16	Murder index, per 100,000 inhabitants	4.72	31
frastructure subindex	4.97	30	Infrastructure subindex	4.97	30
verage travel time to work	5.70	10	Quality of Roads	3.54	46
lectricity Prices per kWh	5.76	7	Air passengers per capita	4.39	40
verage rent of 2 bedroom apartment	5.84	10			
uman resources subindex	4.40	40	Human resources subindex	4.40	40
nemployment rate, not seasonally adjusted	5.74	12	% of population without health insurance	3.03	40 49
ate of active physicians per 100,000 inhabitants	5.39	14	% of population aged 25 and over that graduated from high school	4.47	34
			% of population enrolled in degree-granting institutions	4.31	39
			% of adults who are in the labor force	4.51	36
			Infant mortality rate, deaths per 1000 live births	3.50	47
			% of students at or above proficient in mathematics, grade 4 - public schools	4.29	36
echnology subindex	4.32	42	Technology subindex	4.32	42
			Academic Science and Engineering R&D per \$1,000 GSP	4.20	43
			NIH support to institutions per capita	4.27	44
			Patents per 100,000 inhabitants	4.40	33
			Science & Engineering grad. students 100,000 inhabitants	4.60	31
			S&E degrees awarded per 100,000 inhabitants	4.52	32
			Scientists and engineers as % of labor force	4.23	40
			Employment in high-tech industry as % of total employment	3.96	42
usiness incubation subindex	5.11	18	Business incubation subindex	5.11	18
O volume, in \$ per capita	5.07	16	Total deposits (Commercial banks and Savings institutions) per capita	4.72	33
of labor force that is represented by unions	5.74	16	Venture capital per capita	4.59	43
inimum wage	5.92	1	Employer firm births per 100,000 inhabitants	4.34	37
ost of Labor Adjusted for Educ. Attainment	5.94	9	Pacific Research Institute Tort Index	4.55	35
	1	1			
penness subindex	4.13	45	Openness subindex	4.13	45
openness subindex	4.13	45	Openness subindex Exports per capita, dollars	4.13 4.00	45 43
penness subindex	4.13	45			

2018

OREGON

Index Overall Rank 5.35 17

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	2018		5.35	17		
COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank	
Government and fiscal policy subindex	5.09	21	Government and fiscal policy subindex	5.09		
Vorkers' compensation premium rates	6.11	6	State and local taxes per capita /income per capita	4.35	41	
Bond rating: composite	5.52	11	Average weekly payment to insured unemployed	4.27	40	
Budget deficit, % of GSP	5.27	19	Full-time-equivalent state and local government employees per 100 residents	5.03	32	
Security subindex	5.37	16	Security subindex	5.37	16	
Crime index, per 100,000 inhabitants	5.51	19	The BGA Integrity Index	4.25	42	
Crime index change 2012-2013, %	5.68	9				
lurder index, per 100,000 inhabitants	6.04	9				
nfrastructure subindex	5.16	22	Infrastructure subindex	5.16	22	
Quality of Roads	5.89	8	Average rent of 2 bedroom apartment	4.41	37	
Air passengers per capita Electricity Prices per kWh	5.11 5.69	18 9				
Human resources subindex	4.68	34	Human resources subindex	4.68	34	
6 of population without health insurance	5.35	20	Unemployment rate, not seasonally adjusted	4.27	39	
fant mortality rate, deaths per 1000 live births	5.45	16	% of population enrolled in degree-granting institutions	4.61	31	
			% of adults who are in the labor force	4.69	33	
			Rate of active physicians per 100,000 inhabitants	3.83	48	
			% of students at or above proficient in mathematics, grade 4 - public schools	3.99	41	
Fechnology subindex	5.07	20	Technology subindex	5.07	20	
IIH support to institutions per capita	5.11	14				
&E degrees awarded per 100,000 inhabitants	5.93	5				
Scientists and engineers as % of labor force	5.39	15				
Employment in high-tech industry as % of total employment	5.54	11				
Business incubation subindex	4.59	41	Business incubation subindex	4.59	41	
enture capital per capita	4.90	13	Total deposits (Commercial banks and Savings institutions) per capita	4.68	42	
mployer firm births per 100,000 inhabitants	5.47	18	% of labor force that is represented by unions	4.31	37	
· · ·			Minimum wage	3.37	47	
			Pacific Research Institute Tort Index	4.59	34	
		1				
Dpenness subindex	4.45	38	Openness subindex	4.45	38	
	4.45 5.11	38 17	Exports per capita, dollars	4.11	41	
of population born abroad	5.11	17	Exports per capita, dollars Incoming foreign direct investment per capita, dollars	4.11 4.13	41 40	
of population born abroad	5.11 6.33	17 1	Exports per capita, dollars	4.11	41	
of population born abroad invironmental policy subindex oxic release inventory, pounds per sq. miles	5.11 6.33 5.85	17 1 5	Exports per capita, dollars Incoming foreign direct investment per capita, dollars	4.11 4.13	41 40	
Openness subindex 6 of population born abroad Environmental policy subindex oxic release inventory, pounds per sq. miles Carbon emission per 1000 sq. miles ir Quality Index	5.11 6.33	17 1	Exports per capita, dollars Incoming foreign direct investment per capita, dollars	4.11 4.13	41 40	

PENNSYLVANIA

Index Overall Rank 4.34 36

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2018 COMPETITIVE ADVANTAGES			4.34 36		
			COMPETITIVE DISADVANTAGES		
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	4.81	39	Government and fiscal policy subindex	4.81	27
udget deficit, % of GSP	5.57	12	State and local taxes per capita /income per capita	4.45	37
Ill-time-equivalent state and local government nployees per 100 residents	5.72	10	Workers' compensation premium rates	4.73	34
npioyees per 100 residents			Bond rating: composite	4.04	43
			Average weekly payment to insured unemployed	4.36	38
ecurity subindex	4.50	38	Security subindex	4.50	38
			Crime index change 2012-2013, %	4.35	45
			Murder index, per 100,000 inhabitants	4.34	37
			The BGA Integrity Index	3.92	46
frastructure subindex	4.89	35	Infrastructure subindex	4.89	35
gh-speed lines per 1000	5.83	6	Quality of Roads	4.24	40
			Average travel time to work	4.36	38
			Electricity Prices per kWh	4.90	38
uman resources subindex	5.14	23	Human resources subindex	5.14	23
of population without health insurance	5.88	11	Unemployment rate, not seasonally adjusted	4.39	38
of population aged 25 and over that graduated from gh school	5.46	17	% of population enrolled in degree-granting institutions	4.58	32
ate of active physicians per 100,000 inhabitants	5.59	12	% of adults who are in the labor force	4.71	31
of students at or above proficient in mathematics,	5.64	13			
rade 4 - public schools					
echnology subindex	6.01	4	Technology subindex	6.01	4
cademic Science and Engineering R&D per \$1,000	6.17	6			
IH support to institutions per capita	5.96	5			
atents per 100,000 inhabitants	7.50	3			
cience & Engineering grad. students 100,000	5.78	9			
habitants					
&E degrees awarded per 100,000 inhabitants	5.86	9			
usiness incubation subindex	4.75	38	Business incubation subindex	4.75	38
otal deposits (Commercial banks and Savings	4.82	16	Employer firm births per 100,000 inhabitants	4.07	40
stitutions) per capita					
enture capital per capita	4.87	14	% of labor force that is represented by unions	4.57	33
O volume, in \$ per capita	5.51	11	Pacific Research Institute Tort Index	3.44	46
nimum wage	5.92	1	Cost of Labor Adjusted for Educ. Attainment	4.83	33
penness subindex	5.02	24	Openness subindex	5.02	24
coming foreign direct investment per capita, dollars	5.53	18			
nvironmental policy subindex	4.22	43	Environmental policy subindex	4.22	43
		-	Toxic release inventory, pounds per sq. miles	4.62	38
			Carbon emission per 1000 sq. miles	3.58	44
			Air Quality Index	4.46	38

RHODE ISLAND

<u>Index</u> **Overall Rank** 4.34

Subindex/Variable Index Rank Subindex/Variable Index Ra Government and ficted policy subindex 4.9 32 State and ficted policy subindex 4.0 <td< th=""><th colspan="3" rowspan="2">2018 COMPETITIVE ADVANTAGES</th><th colspan="4" rowspan="2">COMPETITIVE DISADVANTAGES</th></td<>	2018 COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES			
Government and fiscal policy subindex 4.89 32 Government and fiscal policy subindex 4.89 Budget deficit, % of GSP 6.47 3 State and local taxes procepts // compensation premium rates 4.06 4 Security subindex 5.48 9 Security subindex 5.48 4 Security subindex 5.48 9 Security subindex 5.48 4 Crime index, per 100,000 inhabitants 6.24 2 The BGA Integrity Index 4.03 4 Marder index, per 100,000 inhabitants 6.24 2 Infrastructure subindex 4.20 4 Vigit process subindex 5.34 15 Marder index, per 100,00 4.52 3 No of population without health insurance 6.34 4 % of population aged 25 and over that graduated from high school 4.74 3 % of population exclusion 6.24 6 Unemplyment rate, not seasonally adjusted 4.63 3 % of population exclusion 6.24 6 16 Marine resources subindex 5.36 17 % of population exclusion 6.24 6 Unemplyment rate, not seasonally adjusted 4.63 3 % of population exclusion 6.34 15 Marine resources subindex 5.28 17							
Budget defail, % of GSP 6.47 3 State and local taxes per capita /income per capita 4.07 4 Security subindex 5.48 9 Security subindex 5.48 9 Crime index, per 100,000 inhabitants 5.33 9 The BCA Integrity Index 4.03 4 Crime index, per 100,000 inhabitants 6.24 2 1 Infrastructure subindex 4.03 4 Infrastructure subindex 4.20 47 Infrastructure subindex 4.20 4 Numer inscruptes subindex 5.34 15 Human resources subindex 4.20 4 Workers' compension premium rates 3.30 4 4 3 3.40 4 Murder index, per 100,000 inhabitants 6.34 15 Human resources subindex 5.34 19 No fopoulation without health insurance 6.34 15 Human resources subindex 4.63 3 % of population enrolled in degree-graning institutions 6.24 6 Unemployment rate, not seasonally adjusted 4.63 3 % of adults who are in the labor force 5.28 12 Technology subindex 5.28 12 Rate of active physicians per 100,000 inhabitants 5.57 3 S&E degrees avarded per 100,000 inhabitants 3.80 <th>Subindex/Variable</th> <th>Index</th> <th>Rank</th> <th>Subindex/Variable</th> <th>Index</th> <th>Rank</th>	Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank	
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Crime index, per 100,000 inhabitants 5.33 9 The BGA Integrity index 4.03 4 infrastructure subindox 4.20 47 Infrastructure subindox 4.20				Workers' compensation premium rates	4.06	43	
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nvironmental policy subindex 4.88 32 Environmental policy subindex 4.88 3						32	
	6 of population born abroad	5.71	13				
	nvironmental policy subindex	4,88	32	Environmental policy subindex	4.88	32	
	oxic release inventory, pounds per sq. miles	5.83	7	Carbon emission per 1000 sq. miles	4.23	41	
	one release internery, pounds per sq. miles	0.00	1 '			32	

State Index

SOUTH CAROLINA

Index	<u>Overall</u>
4.92	29

Rank

2018 COMPETITIVE ADVANTAGES			4.92 29		
			COMPETITIVE DISADVANTAGES		
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	5.28	10	Government and fiscal policy subindex	5.28	1
tate and local taxes per capita /income per capita	5.59	10	Workers' compensation premium rates	4.53	37
udget deficit, % of GSP	5.87	7	Bond rating: composite	4.53	40
verage weekly payment to insured unemployed	6.14	7	Full-time-equivalent state and local government employees per 100 residents	5.01	34
ecurity subindex	4.33	45	Security subindex	4.33	45
			Crime index, per 100,000 inhabitants	4.22	42
			Crime index change 2012-2013, %	4.52	39
			Murder index, per 100,000 inhabitants	3.68	45
frastructure subindex	4.92	33	Infrastructure subindex	4.92	33
			High-speed lines per 1000	4.27	44 37
			Air passengers per capita	4.43	51
luman resources subindex	4.65	35	Human resources subindex	4.65	35
nemployment rate, not seasonally adjusted	5.62	15	% of population without health insurance	4.24	39
ate of active physicians per 100,000 inhabitants	6.80	4	% of population aged 25 and over that graduated from high school	4.47	34
			% of population enrolled in degree-granting institutions	4.01	44
			% of adults who are in the labor force	3.74	44
			Infant mortality rate, deaths per 1000 live births	4.52	35
			% of students at or above proficient in mathematics, grade 4 - public schools	3.84	43
echnology subindex	4.59	37	Technology subindex	4.59	37
atents per 100,000 inhabitants	5.28	12	Academic Science and Engineering R&D per \$1,000 GSP	4.51	35
&E degrees awarded per 100,000 inhabitants	5.21	17	NIH support to institutions per capita	4.48	36
-			Science & Engineering grad. students 100,000 inhabitants	3.77	48
			Scientists and engineers as % of labor force	4.35	35
			Employment in high-tech industry as % of total employment	4.35	35 34
usiness incubation subindex	5.27	10	Business incubation subindex	5.27	10
of labor force that is represented by unions	6.49	1	Total deposits (Commercial banks and Savings institutions) per capita	4.67	47
inimum wage	5.92	1	Venture capital per capita	4.60	40
acific Research Institute Tort Index	5.48	14			
ost of Labor Adjusted for Educ. Attainment	6.01	7			
penness subindex	5.55	11	Openness subindex	5.55	11
kports per capita, dollars	5.80	12	% of population born abroad	4.29	36
coming foreign direct investment per capita, dollars	6.57	3			

SOUTH DAKOTA

Index	Overall Rank
6.30	4

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2018 COMPETITIVE ADVANTAGES			6.30 4 COMPETITIVE DISADVANTAGES		
Government and fiscal policy subindex	5.01	25	Government and fiscal policy subindex	5.01	10
State and local taxes per capita /income per capita	6.45	3	Bond rating: composite	4.04	43
			Budget deficit, % of GSP	4.36	37
Security subindex	5.81	4	Security subindex	5.81	4
Crime index change 2012-2013, %	7.26	1	Crime index, per 100,000 inhabitants	4.75	33
Murder index, per 100,000 inhabitants	6.28	1			
Infrastructure subindex	5.52	3	Infrastructure subindex	5.52	3
Quality of Roads	5.54	19	Air passengers per capita	4.43	36
Average travel time to work	6.92	1			
Average rent of 2 bedroom apartment	6.12	3			
Human resources subindex	5.12	24	Human resources subindex	5.12	24
% of population aged 25 and over that graduated from high school	5.96	9	% of population without health insurance	4.47	36
Jnemployment rate, not seasonally adjusted	5.98	9	Infant mortality rate, deaths per 1000 live births	3.50	47
% of adults who are in the labor force % of students at or above proficient in mathematics, grade 4 - public schools	6.39 5.49	6 14	Rate of active physicians per 100,000 inhabitants	4.24	39
Technology subindex	4.24	47	Technology subindex	4.24	47
Science & Engineering grad. students 100,000	5.07	19	Academic Science and Engineering R&D per \$1,000 GSP	3.91	46
inhabitants					
			NIH support to institutions per capita	4.31	42
			Patents per 100,000 inhabitants	4.31	49
			S&E degrees awarded per 100,000 inhabitants	3.89	47
			Scientists and engineers as % of labor force Employment in high-tech industry as % of total employment	4.22 3.96	41 42
Business incubation subindex	5.88	1	Business incubation subindex	5.88	1
Total deposits (Commercial banks and Savings nstitutions) per capita	10.00	1	Venture capital per capita	4.61	37
% of labor force that is represented by unions	5.80	14	Minimum wage	4.90	32
Pacific Research Institute Tort Index Cost of Labor Adjusted for Educ. Attainment	6.60 5.76	4 14			
	5.70	14			
Openness subindex	3.81	49	Openness subindex	3.81	49
			Exports per capita, dollars	3.54	50
			Incoming foreign direct investment per capita, dollars	3.82	45
			% of population born abroad	4.06	45
Environmental policy subindex	5.62	9	Environmental policy subindex	5.62	9
Toxic release inventory, pounds per sq. miles	5.88	3			
Carbon emission per 1000 sq. miles	6.08	4			

2018 COMPETITIVE ADVANTAGES			4.32 38		
			COMPETITIVE DISADVANTAGES		
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	5.45	7	Government and fiscal policy subindex	5.45	
State and local taxes per capita /income per capita	6.29	5	Budget deficit, % of GSP	4.36	37
Workers' compensation premium rates	5.38	19			
Average weekly payment to insured unemployed	6.36	5			
Full-time-equivalent state and local government employees per 100 residents	5.52	16			
Security subindex	4.16	47	Security subindex	4.16	47
			Crime index, per 100,000 inhabitants Murder index, per 100,000 inhabitants	3.37	48
			The BGA Integrity Index	3.81 4.46	44 35
Infrastructure subindex	5.37	12	Infrastructure subindex	5.37	12
Quality of Roads	6.33	3			
High-speed lines per 1000	5.00	15			
Electricity Prices per kWh	5.74	8			
Human resources subindex	4.39	41	Human resources subindex	4.39	41
Unemployment rate, not seasonally adjusted	5.49	17	% of population without health insurance	4.37	38
			% of population aged 25 and over that graduated from high school	4.24	37
			% of population enrolled in degree-granting institutions	3.92	46
			% of adults who are in the labor force	4.44	37
			Infant mortality rate, deaths per 1000 live births	3.75	45
			Rate of active physicians per 100,000 inhabitants	4.44	34
			% of students at or above proficient in mathematics, grade 4 - public schools	4.44	33
Technology subindex	4.47	40	Technology subindex	4.47	40
NIH support to institutions per capita	5.09	15	Patents per 100,000 inhabitants	4.33	44
			Science & Engineering grad. students 100,000 inhabitants	3.90	45
			Scientists and engineers as % of labor force	4.03	43
			Employment in high-tech industry as % of total employment	4.06	39
Business incubation subindex	5.12	16	Business incubation subindex	5.12	16
% of labor force that is represented by unions	5.94	10	Total deposits (Commercial banks and Savings institutions) per capita	4.72	32
Minimum wage	5.92	1	Venture capital per capita	4.64	33
Cost of Labor Adjusted for Educ. Attainment	5.85	12	Employer firm births per 100,000 inhabitants	4.30	39
Openness subindex	4.67	32	Openness subindex	4.67	32
ncoming foreign direct investment per capita, dollars	5.83	14	Exports per capita, dollars	3.89	46
			% of population born abroad	4.31	34
	. = .				
Environmental policy subindex	4,73	36	Environmental policy subindex	4.73	36
Environmental policy subindex Air Quality Index	4.73 5.46	36 12	Environmental policy subindex Toxic release inventory, pounds per sq. miles	4.73 3.77	36 45

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TENNESSEE

<u>Index</u>

Overall Rank

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TEXAS

Index	<u>Overall Rank</u>
6.70	3

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COMPETITIVE ADVANTAGES		COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	5.47	6	Government and fiscal policy subindex	5.47	
State and local taxes per capita /income per capita	6.14	6	Average weekly payment to insured unemployed	4.12	42
Workers' compensation premium rates	5.99	9			
Budget deficit, % of GSP	5.87	7			
Full-time-equivalent state and local government	5.94	8			
employees per 100 residents					
Security subindex	4.87	28	Security subindex	4.87	28
			Crime index, per 100,000 inhabitants	4.71	34
Infrastructure subindex	5.62	1	Infrastructure subindex	5.62	1
Quality of Roads	5.81	10	Average travel time to work	4.49	37
High-speed lines per 1000	7.75	2	Average rent of 2 bedroom apartment	4.85	33
Air passengers per capita	5.24	13	· ·		
Electricity Prices per kWh	5.61	12			
Human resources subindex	4.28	42	Human resources subindex	4.28	42
			% of population without health insurance	1.89	50
			% of population aged 25 and over that graduated from high school	2.79	49
			% of population enrolled in degree-granting institutions	4.58	33
Technology subindex Patents per 100,000 inhabitants	5.24	13 5	Technology subindex Academic Science and Engineering R&D per \$1,000 GSP	5.24 4.62	13 32
Patents per 100,000 innabitants	7.03	5	Academic Science and Engineering R&D per \$1,000 GSP	4.02	32
Scientists and engineers as % of labor force	5.22	18	NIH support to institutions per capita	4.54	33
Employment in high-tech industry as % of total employment	5.49	13		4.54	33
Business incubation subindex	5.30 4.79	9 19	Business incubation subindex	5.30	9
Total deposits (Commercial banks and Savings institutions) per capita					
Venture capital per capita	4.82	16			
IPO volume, in \$ per capita	5.55	10			
% of labor force that is represented by unions	6.13	4			
Minimum wage	5.92	1			
Pacific Research Institute Tort Index	5.41	18			
Openness subindex	6.25	3	Openness subindex	6.25	3
Exports per capita, dollars	7.18	2			
% of population born abroad	6.26	7			
Environmental policy subindex	4.96	30	Environmental policy subindex	4.96	30
Air Quality Index	5.00	19	Carbon emission per 1000 sq. miles	4.73	36

2018

State Index

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18h Annual BHI State Competitiveness Report

UTAH		
		2018
COMPETITIVE ADVANTAGES		
Su	hindex/Variahle	Index

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COMPETITIVE DISADVANTAGES

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Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	4.98	26	Government and fiscal policy subindex	4.98	26
Workers' compensation premium rates	6.29	5	Budget deficit, % of GSP	4.36	37
Full-time-equivalent state and local government employees per 100 residents	5.51	17	Average weekly payment to insured unemployed	4.09	43
Security subindex	5.43	14	Security subindex	5.43	14
Crime index, per 100,000 inhabitants	5.84	12	The BGA Integrity Index	4.21	43
Crime index change 2012-2013, %	5.58	12			
Murder index, per 100,000 inhabitants	6.08	7			
Infrastructure subindex	5.22	19	Infrastructure subindex	5.22	19
Air passengers per capita	5.62	8	High-speed lines per 1000	4.50	35
Average travel time to work	5.70	10	Average rent of 2 bedroom apartment	4.86	32
Electricity Prices per kWh	5.78	6			
	5.67	7	(human management and index	5.67	7
Human resources subindex % of population aged 25 and over that graduated from	6.00	8	Human resources subindex % of population without health insurance	4.60	33
high school	0.00	0	% of population without nearth insurance	4.00	55
Unemployment rate, not seasonally adjusted	5.62	15	Rate of active physicians per 100,000 inhabitants	4.16	42
% of population enrolled in degree-granting institutions	7.88	1			
% of adults who are in the labor force	6.26	8			
% of students at or above proficient in mathematics, grade 4 - public schools	5.79	12			
Technology subindex	5.29	11	Technology subindex	5.29	11
NIH support to institutions per capita	4.96	19	S&E degrees awarded per 100,000 inhabitants	4.11	42
Patents per 100,000 inhabitants	6.48	6			
Science & Engineering grad. students 100,000 inhabitants	5.02	20			
Scientists and engineers as % of labor force	5.53	12			
Employment in high-tech industry as % of total employment	6.30	7			
Business incubation subindex	5.75	2	Business incubation subindex	5.75	2
Total deposits (Commercial banks and Savings institutions) per capita	5.94	3	Cost of Labor Adjusted for Educ. Attainment	4.86	32
Venture capital per capita	5.57	5			
Employer firm births per 100,000 inhabitants	6.00	10			
IPO volume, in \$ per capita	6.09	7			
% of labor force that is represented by unions	6.07	8			
Minimum wage	5.92	1			
Pacific Research Institute Tort Index	5.54	13			
Openness subindex	4.53	37	Openness subindex	4.53	37
			Incoming foreign direct investment per capita, dollars	3.79	46
Environmental policy subindex	3.92	47	Environmental policy subindex	3.92	47
Carbon emission per 1000 sq. miles	5.74	13	Toxic release inventory, pounds per sq. miles	2.26	49
· · ·			Air Quality Index	3.77	47
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Index Overall Rank

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			index	Overall	Nalin			
	2018		5.27	21				
COMPETITIVE ADVANTA	AGES		COMPETITIVE DISADVANT	COMPETITIVE DISADVANTAGES				
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank			
Government and fiscal policy subindex	4.53	43	Government and fiscal policy subindex	4.53	43			
Government and fiscal policy submuex	4.55	45	State and local taxes per capita /income per capita	4.39	40			
			Workers' compensation premium rates	4.26	42			
			Bond rating: composite Average weekly payment to insured unemployed	4.53 4.61	40 33			
			Full-time-equivalent state and local government employees per 100 residents	4.40	40			
Security subindex	6.31	2	Security subindex	6.31	2			
Crime index, per 100,000 inhabitants	6.23	2						
Crime index change 2012-2013, %	6.56	3						
Murder index, per 100,000 inhabitants	6.20	4						
The BGA Integrity Index	6.25	5						
Infrastructure subindex	4.70	40	Infrastructure subindex	4.70	40			
Average travel time to work	5.39	15	High-speed lines per 1000	4.22	49			
			Air passengers per capita	4.45	34			
			Electricity Prices per kWh	3.93	42			
Human resources subindex	5.76	6	Human resources subindex	5.76	6			
% of population without health insurance	6.37	3	Rate of active physicians per 100,000 inhabitants	4.00	45			
% of population aged 25 and over that graduated from high school	6.42	2		4.00	-0			
Unemployment rate, not seasonally adjusted	6.35	3						
% of population enrolled in degree-granting institutions	5.71	12						
% of adults who are in the labor force	5.96	11						
Infant mortality rate, deaths per 1000 live births	5.96	12						
% of students at or above proficient in mathematics,	5.34	15						
grade 4 - public schools								
Technology subindex	4.73	32	Technology subindex	4.73	32			
NIH support to institutions per capita	5.24	12	Patents per 100,000 inhabitants	4.33	43			
Employment in high-tech industry as % of total employment	5.18	19	Science & Engineering grad. students 100,000 inhabitants	3.86	47			
Business incubation subindex Employer firm births per 100,000 inhabitants	4.68 5.50	40 16	Business incubation subindex Total deposits (Commercial banks and Savings institutions)	4.68 4.71	40 37			
			per capita					
			Minimum wage	3.55	45			
			Pacific Research Institute Tort Index	4.47	37			
Openness subindex	4.67	34	Openness subindex	4.67	34			
			% of population born abroad	4.24	38			
Environmental policy subindex	5.59	11	Environmental policy subindex	5.59	11			
Toxic release inventory, pounds per sq. miles	6.00	2	Air Quality Index	4.60	31			

State Index

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Index	<u>Overall Rank</u>
5.95	9

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COMPETITIVE ADVANTAGES		COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	5.14	19	Government and fiscal policy subindex	5.14	1
Vorkers' compensation premium rates	5.86	10	Budget deficit, % of GSP	4.36	37
Average weekly payment to insured unemployed Full-time-equivalent state and local government employees per 100 residents	5.43 5.41	17 20			
Security subindex	5.36	17	Security subindex	5.36	17
Crime index, per 100,000 inhabitants	6.05	4			
Crime index change 2012-2013, %	5.43	15			
The BGA Integrity Index	5.00	20			
Infrastructure subindex	4.92	32	Infrastructure subindex	4.92	32
Quality of Roads	5.72	12	Average travel time to work	3.97	43
High-speed lines per 1000	5.21	12	Average rent of 2 bedroom apartment	3.94	41
Air passengers per capita	5.35	12			
Human resources subindex	5.63	8	Human resources subindex	5.63	8
Unemployment rate, not seasonally adjusted	6.11	6	% of population without health insurance	4.80	31
% of population enrolled in degree-granting institutions	5.27	15	/ of population without health insurance	4.00	01
so of population enrolled in degree granting montations	0.27	10			
% of adults who are in the labor force	5.54	15			
Rate of active physicians per 100,000 inhabitants	6.74	5			
% of students at or above proficient in mathematics, grade 4 - public schools	6.54	4			
Technology subindex	5.00	23	Technology subindex	5.00	23
Scientists and engineers as % of labor force	7.33	2	Academic Science and Engineering R&D per \$1,000 GSP	4.43	36
Employment in high-tech industry as % of total employment	7.27	2	S&E degrees awarded per 100,000 inhabitants	4.22	38
Business incubation subindex	5.11	17	Business incubation subindex	5.11	17
Total deposits (Commercial banks and Savings institutions) per capita	4.87	11	Cost of Labor Adjusted for Educ. Attainment	3.86	44
Venture capital per capita	4.78	19			
% of labor force that is represented by unions	6.11	5			
Minimum wage	5.92	1			
Pacific Research Institute Tort Index	5.97	8			
Openness subindex	5.02	25	Openness subindex	5.02	25
% of population born abroad	5.50	15	Exports per capita, dollars	4.37	33
Environmental policy subindex	5.17	20	Environmental policy subindex	5.17	20
Air Quality Index	5.53	11	Toxic release inventory, pounds per sq. miles	4.97	32

2018

WASHINGTON

Index	<u>Overall Rank</u>
5.32	19

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COMPETITIVE ADVANTAGES		COMPETITIVE DISADVANTAGES			
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	4.91	29	Government and fiscal policy subindex	4.91	29
Bond rating: composite	5.52	11	Workers' compensation premium rates	4.69	35
Budget deficit, % of GSP	5.57	12	Average weekly payment to insured unemployed Full-time-equivalent state and local government employees per 100 residents	3.60 5.01	46 33
Security subindex	4.93	26	Security subindex	4.93	26
Murder index, per 100,000 inhabitants	5.58	19	Crime index change 2012-2013, %	4.48	41
			The BGA Integrity Index	4.31	41
Infrastructure subindex	4.79	39	Infrastructure subindex	4.79	39
High-speed lines per 1000	5.14	13	Quality of Roads	4.24	40
Air passengers per capita	5.47	9	Average travel time to work	4.18	42
Electricity Prices per kWh	5.97	2	Average rent of 2 bedroom apartment	3.76	44
Human resources subindex	5.16	22	Human resources subindex	5.16	22
% of population without health insurance	5.58	16	Unemployment rate, not seasonally adjusted	4.02	43
% of population aged 25 and over that graduated from high school	5.69	15	% of population enrolled in degree-granting institutions	4.04	43
Infant mortality rate, deaths per 1000 live births	6.73	2			
% of students at or above proficient in mathematics, grade 4 - public schools	5.34	15			
Technology subindex	5.56	7	Technology subindex	5.56	7
NIH support to institutions per capita	5.91	6	Academic Science and Engineering R&D per \$1,000 GSP	4.63	31
Patents per 100,000 inhabitants	7.43	4	Science & Engineering grad. students 100,000 inhabitants	4.41	38
Scientists and engineers as % of labor force	7.26	3	S&E degrees awarded per 100,000 inhabitants	4.36	36
Employment in high-tech industry as % of total employment	6.61	5			
Business incubation subindex	4.38	49	Business incubation subindex	4.38	49
Venture capital per capita	5.64	4	Total deposits (Commercial banks and Savings institutions) per capita	4.71	39
Employer firm births per 100,000 inhabitants	5.35	20	% of labor force that is represented by unions	3.18	48
		-	Minimum wage	2.82	50
			Pacific Research Institute Tort Index	4.78	31
			Cost of Labor Adjusted for Educ. Attainment	3.76	46
Openness subindex	5.37	17	Openness subindex	5.37	17
Exports per capita, dollars	6.14	8	Incoming foreign direct investment per capita, dollars	4.20	38
% of population born abroad	5.78	11			
Environmental policy subindex	6.20	3	Environmental policy subindex	6.20	3
Carbon emission per 1000 sq. miles	5.84	11			
Air Quality Index	7.28	2			

2018

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/EST VIRGINIA

<u>Index</u>	<u>Overall Rank</u>
3.43	48

	2018 GES		COMPETITIVE DISADVANTAGES		
	GL3			NGL3	
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Ra
vernment and fiscal policy subindex	5.18 6.39	17 4	Government and fiscal policy subindex State and local taxes per capita /income per capita	5.18 4.71	3
rkers' compensation premium rates					
dget deficit, % of GSP	5.27	19	Full-time-equivalent state and local government employees per 100 residents	4.38	4
erage weekly payment to insured unemployed	5.57	15			
curity subindex	5.56	6	Security subindex	5.56	
me index, per 100,000 inhabitants	5.48	20			
me index change 2012-2013, % ∋ BGA Integrity Index	6.08 5.34	4 13			
rastructure subindex	4.83	37	Infrastructure subindex	4.83	3
ctricity Prices per kWh	5.56	16	Quality of Roads	4.06	4
erage rent of 2 bedroom apartment	6.27	1	High-speed lines per 1000	4.33	4
			Air passengers per capita	4.10	4
			Average travel time to work	4.64	3
man resources subindex of population without health insurance	4.44 5.58	39 16	Human resources subindex % of population aged 25 and over that graduated from high	4.44 4.24	3
	0.00		school		
of population enrolled in degree-granting institutions	6.38	5	Unemployment rate, not seasonally adjusted	3.29	4
te of active physicians per 100,000 inhabitants	5.14	20	% of adults who are in the labor force	2.49	5
			Infant mortality rate, deaths per 1000 live births	4.09	3
			% of students at or above proficient in mathematics, grade 4 - public schools	4.29	3
chnology subindex	4.27	45	Technology subindex	4.27	4
			Academic Science and Engineering R&D per \$1,000 GSP	4.32	4
			NIH support to institutions per capita	4.20	4
			Patents per 100,000 inhabitants	4.31	4
			Science & Engineering grad. students 100,000 inhabitants	4.13	4
			Scientists and engineers as % of labor force	3.94 3.86	4
			Employment in high-tech industry as % of total employment	3.00	4
siness incubation subindex	4.81	35	Business incubation subindex	4.81	3
st of Labor Adjusted for Educ. Attainment	6.49	2	Total deposits (Commercial banks and Savings institutions) per capita	4.68	4
			Venture capital per capita	4.56	4
			Employer firm births per 100,000 inhabitants	3.63	4
			Minimum wage	4.83	3
enness subindex	4.13	44	Openness subindex	4.13	4
			Exports per capita, dollars % of population born abroad	3.99 3.75	4 5
vironmental policy subindex	4.13	44	Environmental policy subindex	4.13	4
Quality Index	5.44	14	Toxic release inventory, pounds per sq. miles	4.48	4

WISCONSIN

Index Overall Rank

WISCONSIN			IIIUEX	Overall	
	2018		5.32	18	
COMPETITIVE ADVANTA	AGES		COMPETITIVE DISADVANTA	GES	
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	4.89	33	Government and fiscal policy subindex	4.89	33
Average weekly payment to insured unemployed	5.24	18	State and local taxes per capita /income per capita	3.92	47
Full-time-equivalent state and local government employees per 100 residents	6.02	5	Workers' compensation premium rates	4.39	40
Security subindex Murder index, per 100,000 inhabitants	5.12 5.62	24 18	Security subindex The BGA Integrity Index	5.12 4.39	24 39
······					
Infrastructure subindex	5.12	23	Infrastructure subindex	5.12	23
Average travel time to work	5.62	13	Air passengers per capita	4.40	38
Average rent of 2 bedroom apartment	5.66	18	Electricity Prices per kWh	4.92	37
Human resources subindex	5.42	13	Human resources subindex	5.42	13
% of population without health insurance	5.88	11	Infant mortality rate, deaths per 1000 live births	4.60	33
% of population aged 25 and over that graduated from high school	5.88	12			
Unemployment rate, not seasonally adjusted	5.86	11			
% of adults who are in the labor force	6.21	9			
% of students at or above proficient in mathematics, grade 4 - public schools	5.34	15			
Technology subindex	5.38	8	Technology subindex	5.38	8
Academic Science and Engineering R&D per \$1,000 GSP	5.57	12	Science & Engineering grad. students 100,000 inhabitants	4.59	32
NIH support to institutions per capita	5.11	13	Employment in high-tech industry as % of total employment	4.47	32
Patents per 100,000 inhabitants	7.86	2			
Business incubation subindex	5.08	20	Business incubation subindex	5.08	20
% of labor force that is represented by unions	5.51	20	Venture capital per capita	4.66	32
Minimum wage	5.92	1	Cost of Labor Adjusted for Educ. Attainment	4.83	34
Pacific Research Institute Tort Index	5.89	9			
Openness subindex	4.35	42	Openness subindex	4.35	42
			Incoming foreign direct investment per capita, dollars % of population born abroad	4.02 4.31	42 34
Environmental policy subindex	5.08	23	Environmental policy subindex	5.08	23
Toxic release inventory, pounds per sg. miles	5.52	20	Air Quality Index	4.32	41

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18h Annual BHI State Competitiveness Report

WYOMING

Index Overall Rank

	2018		4.88	30					
COMPETITIVE ADVANT	AGES		COMPETITIVE DISADVANTAGES						
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Ran				
Government and fiscal policy subindex	4.28	49	Government and fiscal policy subindex	4.28					
State and local taxes per capita /income per capita	6.42	4	Workers' compensation premium rates	4.69	35				
Bond rating: composite	6.26	1	Budget deficit, % of GSP	2.25	50				
			Average weekly payment to insured unemployed Full-time-equivalent state and local government employees per 100 residents	4.58 1.47	34 49				
Security subindex	6.48	1	Security subindex	6.48	1				
Crime index, per 100,000 inhabitants	5.97	8	Crime index change 2012-2013, %	4.94	31				
Murder index, per 100,000 inhabitants	5.91	12							
The BGA Integrity Index	9.07	1							
Infrastructure subindex	5.23	18	Infrastructure subindex	5.23	18				
Average travel time to work	6.71	3	High-speed lines per 1000	4.21	50				
Average rent of 2 bedroom apartment	5.59	20	Air passengers per capita	4.44	35				
Human resources subindex	5.34	16	Human resources subindex	5.34	16				
% of population aged 25 and over that graduated from high school	6.34	4	% of population without health insurance	4.24	39				
% of adults who are in the labor force	5.26	18	Unemployment rate, not seasonally adjusted	4.51	36				
Infant mortality rate, deaths per 1000 live births	6.13	9	onemployment rate, not seasonally adjusted	4.51	50				
% of students at or above proficient in mathematics, grade 4 - public schools	6.69	3							
Technology subindex	3.99	50	Technology subindex	3.99	50				
· · · · · · · · · · · · · · · · · · ·			Academic Science and Engineering R&D per \$1,000 GSP	4.62	32				
			NIH support to institutions per capita	4.27	43				
			S&E degrees awarded per 100,000 inhabitants Scientists and engineers as % of labor force	2.13 3.94	50 44				
			Employment in high-tech industry as % of total employment	3.65	50				
Business incubation subindex	5.26	11	Business incubation subindex	5.26	11				
Employer firm births per 100,000 inhabitants	6.34	7	Venture capital per capita	4.61	38				
% of labor force that is represented by unions	5.68	17							
Minimum wage	5.92	1							
Pacific Research Institute Tort Index	5.35	19							
Dpenness subindex	4.05	48	Openness subindex	4.05	48				
Openness subindex			Exports per capita, dollars	4.34	34				
Openness subindex									
Openness subindex			Incoming foreign direct investment per capita, dollars	3.74	47				
			% of population born abroad	4.06	45				
Openness subindex Environmental policy subindex Toxic release inventory, pounds per sq. miles	5.02 5.83	27 6							

About the Beacon Hill Institute

The Beacon Hill Institute (BHI) is an independent, nonpartisan economic research organization in Massachusetts. Articles and references to BHI's work have appeared in leading publications, including the Boston Globe, Washington Post, New York Times, Wall Street Journal, Los Angeles Times Magazine, The New York Sun, U.S. News & World Report and scholarly publications such as Cato Journal, State Tax Notes and the National Bureau of Economic Research's Working Papers Series.

Since 1991, BHI has been a leader in the development of state-of-the-art models for the analysis of state tax policy changes, interstate economic competitiveness and community economic impact studies. In addition, BHI has applied its customized economic models to public construction projects, public school performance and alternative energy. The Institute has also produced state revenue forecasts, using its own models for the Massachusetts Joint Legislative Committee for Ways and Means.



State Rankings 2018 by Rank

CON HILL ASSITUTE.	Subindexes, Results in 2018 (8th Edition) by Rank																	
	Govt &		rt &	Security InfrStrc			trc	Human Tech				Biz Incub. Oper		Open	ness	Enviro	Plcv	
E. Contraction			Fiscal	, in the second s	5000				Resou						open		LINIIO	
Massachusatts	Index 7.75	Rank	4.75	R 31	5.52	R 19	ا 3.17	R 46	7.28	R 1	8.53	R 1	ا 6.68	R 3	6.26	R 6	4.58	R 37
Massachusetts Iowa	6.88	2	4.75	28	6.79	3	5.82	13	6.39	4	0.00 5	24	5.08	26	4.53	33	6.11	6
	6.7	3	6.16	6	4.78	28	6.44	13	3.89	42	5.37	13	5.79	20	6.79	3	4.95	30
Texas South Dakota	6.3	4	5.01	25	6.37	20 4	6.20	3	5.18	42 24	3.92	47	7.35	9	3.3	49	5.87	- <u>30</u> 9
	6.28	4	4.66	35	5.78	4 10	6.07	5	5.25	24	4.42	38	6.46	5	3.68	49	6.83	2
Idaho Nobracka	6.14	6	5.18	24	5.83	8	6.04	7	5.87	21	4.42	34	4.76	32	4.12	40 39	6.55	 4
Nebraska Minnosota	6.03	7	4.67	34	5.74	12	5.38	20	6.88	9 3	4.40	27	3.86	42	5.33	20	5.84	10
Minnesota Utah	5.98	8	4.94	26	5.74	14	5.50	19	6.01	7	5.43	11	6.99	42	4.34	37	3.48	47
	5.95	9	5.34	19	5.61	17	4.83	32	5.96	8	5.02	23	5.31	17	5.02	25	5.24	20
Virginia Colorado	5.92	10	5.83	8	4.92	25	4.95	29	5.85	10	5.86	23	5.04	27	4.38	36	5.44	16
North Carolina	5.92	10	4.42	41	4.61	32	5.98	29	4.32	37	6.5	3	6.4	6	5.22	22	4.81	33
North Dakota	5.85	12	5.21	22	4.01	37	6.21	2	6.27	5	5.11	21	5.55	14	4.56	31	4.97	29
Kansas	5.62	13	4.92	27	5.76	11	5.79	14	5.35	19	4.57	33	5.19	21	4.46	35	5.5	15
	5.56	13	5.19	23	4.61	33	5.95	11	3.81	44	5.11	19	6.14	21	5.23	21	5.35	18
Georgia Michigan	5.39	14	7.24	23	4.01	42	5.04	28	4.84	30	5.35	14	3.5	47	5.95	- 21	5.02	28
Michigan New Hampshire	5.39	15	5.52	13	4.03	42 29	3.34	20 45	7.17	2	5.33	14	5.13	23	4.9	27	4.88	31
· · · · ·	5.35	10	5.22	21	5.62	16	5.37	22	4.50	2 34	5.11	20	3.93	41	4.22	38	6.88	1
Oregon	5.32	17	4.72	33	5.02	24	5.28	22	5.64	13	5.56	20 8	5.21	20	4.22	42	5.11	23
Wisconsin	5.32	10	4.72	29	4.88	24	4.52	39	5.23	22	5.82	7	3.35	49	5.53	42	6.69	23
Washington California	5.32	20	3.83	44	4.00	35	4.32	41	4.61	31	5.45	10	6.61	49	6.38	5	5.37	17
	5.27	20	3.84	44	4.3 7.22	2	4.24	40	6.16	6	4.63	32	4.15	40	4.53	34	5.83	11
Vermont	5.27	21	6.23	43	4.04	41	5.97	10	4.54	33	4.03	32	<u>4.15</u> 5.6	40	5.89	10	4.03	41
Florida	5.23	22	4.54	38	4.04	20	6.13	4	5.10	26	4.20	29	4.98	28	2.78	50	6.48	5
Montana	5.06	23	7.05	2	4.14	39	5.06	27	4.39	36	4.75	29 30	4.90	20 34	4.89	28	5.29	19
Arizona Now York	5.00	24	3.68	<u>ح</u> 45	5.39	21	3.80	43	5.27	20	5.53	- 30 9	4.04	39	6.97	20	5.13	22
New York	4.96	25	4.76	30	4.02	43	3.69	43	5.71	12	8.42	9	3.57	44	0.97	26	4.74	34
Maryland Indiana	4.90	20	6.74	30	4.02	40	5.73	15	4.94	28	5.03	22	5.37	15	5.62	15	2.39	50
Maine	4.90	28	4.45	40	5.9	40	4.58	38	5.42	17	4.44	36	4.85	31	4.63	30	5.57	14
South Carolina	4.94	20	5.68	10	3.86	45	4.81	33	4.46	35	4.44	37	5.71	10	5.79	11	5.07	24
Wyoming	4.88	30	3.24	49	7.5	43	5.52	18	5.51	16	3.56	50	5.7	11	3.64	48	5.07	24
Kentucky	4.81	31	5.5	15	5.32	22	6.00	8	4.28	38	3.97	44	4.65	33	5.71	13	4.12	40
Nevada	4.51	32	6.54	4	3.7	46	6.07	6	3.61	47	3.61	44	4.91	30	6.23	7	4.12	39
Connecticut	4.51	33			6.05	40 5	2.94	48	5.76	11	6.28	49 5	3.26	50	6.2	8		35
Ohio	4.51	34	5.32	20	5.31	23	5.67	16	4.56	32	4.81	28	4.46	37	5.04	23	3.62	46
Missouri	4.49	35		14	3.43	49	5.22	25	5.15	25	5.19	18	5.1	25	4.07	41		25
Pennsylvania	4.34	36		39	4.15	38	4.74	35	5.20	23		4	4.35	38		24		43
Rhode Island	4.34	37	4.72	32	5.82	9	3.16	47	5.51	15		12	3.39	48		18		32
Tennessee	4.32	38		7	3.58	47	5.86	12	4.05	41	4.25	40	5.34	16		32	4.62	36
Arkansas	4.22	39		11	4.3	34	5.61	17	3.67	45	3.92	48	5.11	24	4.11	40		13
Alabama	4.18	40		9	3.94	44	5.38	21	3.65	46		25	4.98	29		29	4.57	38
Illinois	4.09		3.58	48	4.28	36	5.27	24	4.91	29		17	3.75	43		4		42
Delaware	4.03		3.99	42	4.65	30	4.21	42	5.00	27	4.66	31	6.26	7	5.71	12	3.13	48
Hawaii	3.93	43		46	5.59	18	2.40	50	5.64	14	4.00	43	4.46	36	5.56	16		7
Mississippi	3.82	44		18	5.73	13	4.84	31	2.78	50		35	5.22	19	3.67	47	5.06	26
Alaska	3.74	45		37	4.63	31	4.63	36	3.82	43		41	3.51	46		14		20
New Mexico	3.74	40		12	2.94	50	4.81	34	3.56	48	5.30	16	5.18	22	3.77	43		12
Oklahoma	3.68	40	4.56	36	4.84	27	4.01	30	4.08	40		42	5.29	18	3.76	43		21
	3.43	47			4.84 5.95	6	4.94	30	4.08	39	3.96	42	4.51	35	3.76	43		44
West Virginia	3.43	40 49			5.95 3.47	48		26	3.43	39 49		45 46	5.56	13		44 19		44
Louisiana	2.85			50	5.71			20 49		49		46 26		45		19		
New Jersey	2.00	50	1.87	50	5.71	15	2.81	49	5.40	IQ	4.89	20	3.54	40	6.82	2	3.65	45



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