

The Beacon Hill Institute

at Suffolk University

Metro Area Competitiveness Report 2007





Subindexes, Rank in 2007

	Overall		Govt & Fiscal Policy		Security		Infrstrc		Human Resources		Tech		Biz Incub.		Openness		Enviro. Policy	
	Index	Rank	I	R	I	R	I	R	I	R	I	R	I	R	I	R	I	R
Atlanta	4.84	25	5.99	8	4.98	26	5.15	26	4.48	35	4.26	41	5.20	17	4.65	25	4.80	35
Austin	5.54	14	5.66	18	5.96	9	4.23	42	5.08	25	4.97	24	5.31	15	6.05	11	4.43	38
Baltimore	5.72	11	5.60	20	3.72	47	4.57	33	6.20	5	7.88	2	5.19	18	4.14	42	4.96	28
Birmingham	3.50	47	5.90	10	3.94	45	4.24	41	3.97	40	4.35	39	4.90	25	3.93	50	4.10	42
Boston	7.38	2	4.90	29	5.93	10	3.50	47	7.22	2	8.51	1	6.75	4	4.87	19	5.79	13
Buffalo	4.92	24	3.31	49	5.39	21	5.60	14	5.46	17	5.18	20	4.21	42	4.75	23	5.84	12
Charlotte	5.45	16	6.07	6	4.03	43	6.34	4	4.54	33	4.86	26	7.12	3	4.41	34	4.05	43
Chicago	4.79	27	4.68	33	5.46	16	4.29	40	5.00	26	4.74	30	4.80	31	5.35	13	5.01	26
Cincinnati	4.16	43	4.89	30	5.42	17	6.07	5	4.69	31	4.70	31	3.51	48	4.24	37	3.87	45
Cleveland	4.08	44	4.23	37	6.30	6	5.85	8	4.30	38	4.78	28	3.71	47	4.45	32	3.51	48
Columbus	4.31	40	4.94	28	4.84	28	5.68	11	5.21	20	5.02	23	3.89	44	4.47	31	3.78	46
Dallas	5.25	19	5.75	14	5.00	25	4.56	34	4.44	36	4.61	32	5.11	19	6.28	9	5.04	25
Denver	6.62	3	4.61	35	6.17	7	6.79	2	5.80	10	5.54	11	5.93	10	4.49	29	5.76	14
Detroit	3.36	48	4.06	38	4.79	30	4.85	30	3.85	44	5.19	19	2.37	50	4.92	18	4.83	33
Hartford	5.55	13	3.89	39	6.07	8	5.13	27	6.05	8	5.63	9	4.35	39	4.57	26	6.04	8
Houston	4.50	35	5.57	21	4.16	41	4.33	39	3.78	45	4.59	33	5.29	16	6.50	6	4.20	40
Indianapolis	4.36	39	5.83	11	4.48	37	5.63	12	5.17	23	4.58	34	4.51	36	4.17	39	3.62	47
Jacksonville	4.69	30	5.67	17	4.75	32	5.08	29	4.83	30	3.84	46	5.07	21	4.50	28	5.27	21
Kansas City	5.32	17	5.76	13	4.77	31	5.79	9	5.56	13	4.74	29	4.66	32	4.10	46	5.61	15
Las Vegas	4.70	29	5.57	22	3.43	48	6.70	3	3.55	47	3.30	50	7.13	2	5.01	17	4.38	39
Los Angeles	4.44	36	3.76	41	5.39	20	3.57	46	3.86	42	5.25	17	4.92	23	7.45	2	4.03	44
Louisville	4.04	45	4.67	34	5.35	22	5.47	19	4.57	32	3.90	43	4.47	38	4.03	49	4.53	37
Memphis	3.51	46	5.98	9	1.54	50	5.54	17	3.40	49	4.37	38	5.60	12	4.06	48	4.84	32
Miami	4.41	38	5.05	26	4.11	42	4.45	35	3.71	46	3.66	49	4.88	26	6.42	7	5.87	10
Milwaukee	4.75	28	4.83	31	4.27	40	5.40	22	5.61	12	5.08	21	3.88	45	4.23	38	5.92	9
Minneapolis	6.11	8	5.01	27	5.72	13	5.88	7	7.26	1	5.78	7	3.34	49	4.45	33	6.04	7
Nashville	5.00	22	6.64	1	4.42	38	5.32	23	4.36	37	4.06	42	5.96	9	4.24	36	4.98	27
New Orleans	3.12	49	4.35	36	4.02	44	4.41	36	3.03	50	3.79	48	4.82	30	4.11	45	5.57	16
New York	4.62	33	3.76	40	6.33	4	2.59	50	5.18	22	4.93	25	4.50	37	6.08	10	5.45	18
Oklahoma City	5.08	21	5.80	12	5.08	24	5.61	13	4.21	39	3.84	45	5.51	14	4.08	47	6.13	5
Orlando	4.63	32	5.72	16	3.74	46	5.74	10	4.49	34	3.82	47	4.83	29	5.09	16	5.43	19
Philadelphia	4.30	41	4.73	32	4.57	33	4.38	37	5.39	19	5.22	18	4.27	41	4.50	27	4.75	36
Phoenix	4.83	26	6.03	7	4.49	36	5.41	21	5.43	18	4.30	40	6.03	8	4.85	21	2.94	49
Pittsburgh	4.42	37	3.66	44	6.39	3	5.55	16	5.14	24	5.33	14	3.75	46	4.17	40	4.20	41
Portland	6.56	4	5.72	15	6.95	1	5.95	6	5.52	15	5.32	15	4.14	43	4.66	24	6.63	1
Providence	5.81	10	3.48	47	6.60	2	4.82	31	5.63	11	6.54	5	4.92	22	4.48	30	6.05	6
Richmond	5.29	18	6.28	4	3.39	49	5.47	20	5.47	16	4.45	36	6.22	7	4.15	41	5.48	17
Riverside	2.93	50	3.49	46	5.40	19	2.95	49	3.85	43	5.07	22	4.91	24	6.69	5	1.16	50
Rochester	5.56	12	3.67	43	5.79	12	5.32	24	6.09	7	5.52	12	4.28	40	4.83	22	6.26	3
Sacramento	4.66	31	3.58	45	4.85	27	4.34	38	4.89	29	5.51	13	4.56	34	6.38	8	4.82	34
Salt Lake City	7.57	1	6.15	5	5.63	14	7.23	1	7.05	3	5.31	16	7.23	1	4.39	35	5.07	24
San Antonio	4.98	23	5.66	18	4.52	35	4.63	32	3.47	48	4.37	37	6.53	5	5.81	12	4.93	30
San Diego	5.15	20	3.13	50	5.83	11	3.84	43	4.99	27	5.65	8	5.08	20	6.76	4	5.20	23
San Francisco	5.53	15	3.40	48	4.29	39	3.61	45	5.56	14	5.80	6	5.65	11	7.16	3	6.21	4
San Jose	6.11	9	3.76	41	6.31	5	3.61	44	5.20	21	6.62	3	4.55	35	7.56	1	5.87	11
Seattle	6.31	6	5.08	25	5.17	23	5.60	15	6.18	6	5.54	10	4.84	27	5.31	14	6.38	2
St. Louis	4.55	34	5.11	24	4.81	29	5.31	25	4.95	28	4.78	27	4.65	33	4.13	43	4.87	31
Tampa	4.22	42	5.54	23	4.54	34	5.12	28	3.87	41	3.85	44	4.84	28	4.85	20	4.95	29
Virginia Beach	6.13	7	6.54	3	5.48	15	5.47	18	5.86	9	4.52	35	6.23	6	4.12	44	5.33	20
Washington DC	6.32	5	6.57	2	5.41	18	3.04	48	6.57	4	6.56	4	5.59	13	5.12	15	5.26	22



The Beacon Hill Institute at Suffolk University is pleased to release its *Metropolitan Area Competitiveness Report 2007*. Published since 2001, the report, and its companion *State Competitiveness Report*, has drawn growing attention from policymakers, economists and public officials across the nation seeking to identify strengths and weaknesses in economic performance.

This year, Salt Lake City remains just above Boston for the second consecutive year. Boston continues to be in the top five based upon strong showings in the technology, human resources, and business incubation subindexes. Denver moves into the third place spot.

In this report, we define a metro area according to the United States Census Bureau's definition of a Metropolitan Statistical Area (MSA). In the past, we used data on both Metropolitan Statistical Areas and Combined Metropolitan Statistical Areas (CMSAs), but we decided in producing this report that we could expedite and improve our data collection by basing our analysis exclusively on MSAs. Out of this change emerges the opportunity to observe "new" metro areas such as Baltimore, Birmingham, Riverside (California) and San Jose. We found that Baltimore and San Jose proved to be strong competitors, with San Jose breaking into the top ten and Baltimore just missing, ranking 11th.

In trying to develop sound economic strategies, policymakers often look to measure economic competitiveness strictly on the basis of taxation or some other single indicator such as technology. We agree that taxes and technology – among other variables – do matter, but an ability to look across sectors is what makes the BHI index unique.

Improving productivity and increasing personal income should be part of any economic development strategy. The report continues to show that improvement can translate into real capita income growth. For example, if a metro area can gain a point in the index, it can gain \$1,380 per person per year.

This year's edition would be impossible without the talented contribution of our intern, Ashley Mowatt of Simmons College. An economics major, Ashley showed great initiative in helping us streamline the enormous and ever-changing data collection effort that is crucial to our index. She demonstrated real diligence in combing through Byzantine metropolitan maps and data sets to ensure consistency through all 50 metropolitan areas.

Ashley is the latest participant in BHI's internship program – a program that has grown by word of mouth and the Internet. BHI interns assume responsibility for ongoing projects while putting their classroom experience to the test. In turn, students like Ashley have been able to bring the kind of technical savvy and a fresh set of eyes that allow us to better disseminate the findings in our index.

This latest report is also the product of months of collaboration (including number-crunching, fact-checking and web programming) by students Brian Holland (Boston University) and Colleen Sprague (Suffolk University). The solid work conducted by Suffolk University students such as Michael Head (Master of Science in Economic Policy) and undergraduate James Nolet (Class of 2011) also contributed greatly to the high quality of the research.

Once again, student interns are proof-positive that human capital is a critical variable for highly-motivated entities, whether they are states, metropolitan areas, or research organizations such as the Beacon Hill Institute at Suffolk University.

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Introducing the indexes

How does one metropolitan area create more economic activity, and hence more income for its citizens, than other regions? What special characteristics or attributes lead to generating this higher income? BHI's Metro Area Competitiveness Report attempts to identify the qualities that allow some areas to excel in income generation and the qualities that prohibit other areas from attaining the same level of competitiveness. This question quickly leads on to others: How are these qualities measured? What standards 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?

The Metro Area Competitiveness Report uses these questions as a starting point. The indexes 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 and metropolitan area competitiveness (*Metro Area and State Competitiveness Report 2001, 2002, 2003, 2004, 2005 and 2006*). This year marks the seventh year of the report.

In this year's report, Salt Lake City remains in the first place position followed by Boston, Denver, Portland (OR), Washington, Seattle, Virginia Beach, Minneapolis, San Jose, and Providence. (See Page 68). Most notably, Chicago and San Antonio have improved greatly ranking 27th and 23rd respectively. This year's rankings find Memphis, Birmingham, Detroit, New Orleans, and Riverside (California) in the bottom five.



What is Competitiveness?

We consider a metropolitan area to be competitive if it has in place the policies and conditions that ensure and sustain a high level of per capita income and continued growth. To achieve this, a state should be able both to attract and incubate new businesses and to provide an environment that is conducive to the growth of existing firms.

Competitiveness may be thought of as a catch-all term that covers what Michael Porter calls “the microeconomic foundations of prosperity.” The 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 actually created at the microeconomic level ... - in the ability of firms to create valuable goods and services using productive methods.”¹

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

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 there is no equivalent at the level of the states of the U.S. There are some more specialized rankings of the states, but none meet the criteria for measuring competitiveness as defined above or have an equivalent breadth of coverage.

In thinking about how to create an index of competitiveness, we begin with the simple economic relation:

$$Y = f(K, L, \text{technology}).$$

This says that output (Y) depends on the amount of capital (K), labor (L) and technology that is harnessed by the economy.² Not surprisingly, more inputs lead to more output. But what raises input levels? And why do some states mix the ingredients – sound fiscal policies, educated workforce, openness to trade – more successfully than others?

To answer these questions we need to focus on the quality of the business environment. Using his celebrated “diamond,” Porter finds it helpful to group the influences 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.³ These are still very broad categories and so, following the Porter-inspired *Global Competitiveness Report*, we actually classify our indicators into eight groups. The breakdown is as follows:

Government and fiscal policies. 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 business if public officials are trusted, and if crime is low. The security subindex addresses these dimensions of competitiveness, with particular emphasis on the importance of public safety.

Infrastructure. How easy is commuting? Do most households have access to high-speed broadband? Is housing affordable? How expensive is energy? These are the elements of competitiveness that are included in the infrastructure subindex 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 subindex.

Technology. Since the arrival of the industrial revolution, the development and application of technology has been central to economic development. The technology subindex measures this by taking into account research funding, the number of patents issued, 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; businesses also need 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 subindex.

Technical Note 1:

Creating the Indexes

Given the raw data series for each state, several steps were needed in order to construct the competitiveness index.

1. First, each variable was normalized to give it a mean of 5, a standard deviation of 1, and a range from 0 (worst) to 10 (best).
2. Then the eight sub-indexes were formed as the simple averages of the normalized component variables.
3. Next, the sub-indexes themselves were normalized, again giving a mean of 5 and standard deviation of 1 to each. These are presented inside the front and back covers.

Finally, the overall index of state competitiveness is the simple average of the eight sub-indexes, again normalizing it so it has a mean of 5 and standard deviation of 1. In practice the competitiveness indicator index ranged from a low of 2.57 to a high of 7.14.

Openness. Open economies tend to be more competitive and hence more productive. The openness subindex 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, as well as 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 as well as to their workers and managers; we measure this effect with the environmental policy subindex, which among other things reflects the levels of air pollution and of toxic releases.

A complete list of the components of the competitiveness indexes is given in Table A1 at the end of this section of the report. We have used the most recent data available; due to time lags, most of the series refer to 2005 or 2006.



data series is much less important than the fact that they are included at all.

A competitiveness index is simply a summary measure based on a large number of variables. The 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 subindex is given the same weight when constructing the overall index. This has been referred to as a “democratic” weighting structure, but it is of course arbitrary (although

reasonable).

This year’s report uses Metropolitan Statistical Areas (MSA) defined by the United States Census Bureau. In the past reports we have used a combination of MSA and Combined Metropolitan Statistical Areas (CMSA), but this year only MSA were used. This change was made to create a concrete definition of a metro area set forth by the United States Census. In doing so new metro areas appear in this year’s report including Baltimore, Birmingham, Riverside (California), and San Jose.

The eight categories are coherent, but there is inevitably some degree of arbitrariness in the way in which individual data series are assigned to the subindexes. For instance, the amount of air travel could be included in the infrastructure subindex or the measure of openness; and electricity prices could be included in the infrastructure subindex or the environmental subindex. In practice, the assignment of the

Is the competitiveness index useful?

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

We use a measure of personal income per capita for 2006. However, the cost of living varies from state to state, so we adjust the raw numbers to take account of these differences, using spatial price indexes generated recently by Aten (2007).⁴ This gives the following estimated equation:

$$\ln(\text{Real State Income per capita}) = \text{constant} + \beta_1 \ln(\text{index})$$

$$\ln(\text{Real State Income per capita}) = 10.25 + 0.18 \ln(\text{index})$$

p = 0.00 p = 0.06

This equation has an R^2 of 0.07. The coefficient on the Index variable, which is on a scale of 0 (not competitive) to 10 (very competitive) is significant at the 10 percent level and indicates that an additional one point on the competitiveness index, which represents a 20 percent increase is associated with a 3.6% increase in real personal income per capita, or \$1,380. Competitiveness really does matter.

Putting the competitiveness index to work

What do we learn from this exercise? Naturally it is interesting to look at the raw rankings (Tables 1), but this may not be the most important use of the information. The detailed data, both in individual variables and the sub-indexes, allow one to identify the *determinants* of competitiveness. This is of value to policy makers, 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.

The logic behind this is that 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-crime state may have trouble reducing the crime rate further, while for a high-crime state, efforts to reduce crime are likely to be an efficient way to boost competitiveness.

To illustrate, consider the case of Nashville, which ranks 22nd with a competitiveness indicator index of 5.00, right at the average in our ranking. Nashville has a strong showing in the government and fiscal policy sub-index, where it is ranked first; it has a high municipal bond rating and they benefit from low state and local taxes per capita. It also has a very strong business incubation score (ranked ninth), benefiting from a low cost of doing business and new publicly traded companies.

However, Nashville's overall index score is hurt by low levels of technology, poor security measures, and a relatively low level of human capital. Though these are the areas of greatest deficiency for Nashville, they also mark the areas with the greatest potential. For example, if Nashville could institute measures that would raise its subindexes for technology (ranked 42nd), security (ranked 38th) and human resources (ranked 37th) variables to the national average, it could increase its overall index from 5.00 to 5.27, increasing its overall ranking from 22nd to 18th. This improvement would be associated with an increase in real personal income of almost \$346 per person per year.

What next?

Since 2001 when we began compiling these rankings, we have set out to invite the policymakers, citizens and the media to pore over the detailed results contained here. We have also visited state houses from Massachusetts to Rhode Island and Arizona to Wisconsin. Legislatures and planning agencies have sought ways to improve their ranking. Since then, we've received significant press attention and fielded dozens of questions about our methodology. Some have compared our ranking to other studies that stress economic freedom or low tax criteria. We do agree that economic freedom and sound tax policy are important, and our index of competitiveness includes some indicators, such as the share of state tax collections in Gross State Product, that measure the weight of government quite well.



However, we believe that other factors are also important to competitiveness, even if they are not easy to place on a scale of economic freedom or fit into the ideals of low tax regimes; 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 to the economy 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. The central goal of this report is to engage everyone in thinking about how best to improve long term economic growth, while expanding and maintaining high levels of personal income. At the state level, even if it is essential to think global, we still have to act local.

Endnotes

¹ Michael E. Porter, "The Current Competitiveness Index: Measuring the Microeconomic Foundations of Prosperity," in World Economic Forum, *The Global Competitiveness Report 2000*, Oxford University Press, New York, 2000.

² By dividing across by the population, this equation may also be expressed in per capita terms; output per capita is a standard measure of affluence.

³ Porter, *The Competitive Advantage of Nations*, Free Press, New York, 1990.

⁴ Bettina H. Aten, "Estimates of State Price Levels for Consumption Goods and Services: A First Brush," BEA, November 2, 2007.

**Table A1
Components of Subindexes for Metro Areas**

Subindex	Competitiveness Indicators Index (“objective”)
Government & Fiscal Policy	State and Local Taxes per capita /Income per capita(-) Workers’ Compensation Premium Rates (-) Bond Rating (composite of S&P’s and Moody’s, scale 1-25) (+) State Bond Rating (+) Average Benefit per First Payment for Unemployed (-)
Security	Crime Index percentage change (-) Violent Crimes per 100,000 inhabitants (-) Thefts per 100,000 inhabitants (-) Murders per 100,000 inhabitants (-)
Infrastructure	High Speed Lines per 1000 (+) Travel Time to Work (-) Median Monthly Housing costs (-) Air Passengers per capita (+) Electricity Prices (-)
Human Resources	% of Population without Health Insurance (-) % 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 (-) Non-federal Physicians per 100,000 inhabitants (+)
Technology	Academic R&D per \$1,000 GSP (+) NIH Support to Institutions per capita (+) New Patents Issued per 100,000 inhabitants (+) Science and Engineering Graduate students per 100,000 inhabitants (+) Scientists and Engineers as % of Labor Force (+)
Business Incubation	Deposits in Commercial Banks and Savings Institutions, per capita (+) Venture Capital Investments per capita (+) Employer Firm Births per 100,000 inhabitants (+) Entrepreneurial Activity Index (+) Forbes Cost of Doing Business Index (+) % of Labor Force that is Represented by Unions (-) New Publicly Traded Companies (+)
Openness	Exports per capita, \$ (+) % of Population Born Abroad (+)
Environmental Policy	Toxic Release pounds/1000 sq. miles (-) Air Quality Index (-) High Ozone Days, average (-)



How to Read Indicator Index Pages

In this column you will find variables where the state is competitive.

The index value ranks from 0 to 10, with a mean of 5 and a standard deviation of 1. Each state's index is ordered to create the overall rank among the 50 states.

Each state's overall rank is based on its total index from 1 (highest) to 50 (lowest)

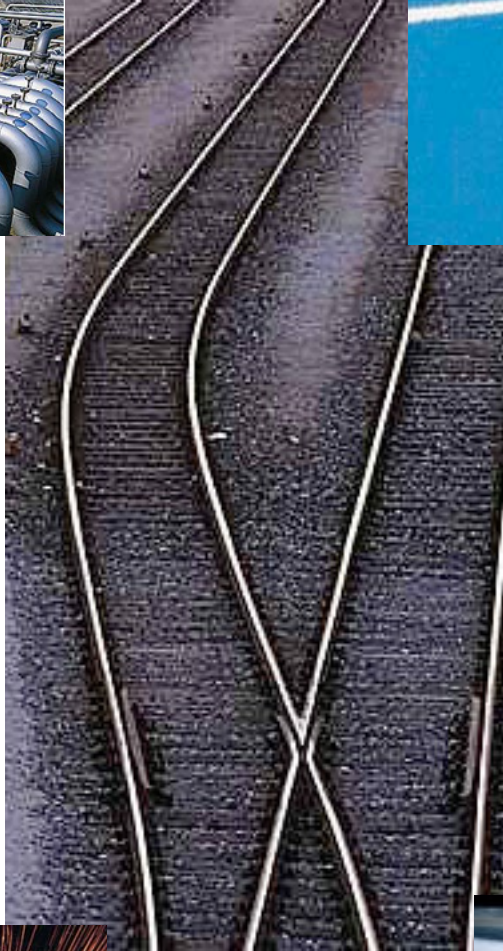
In this column you will find variables where the state is not competitive

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and fiscal policy subindex	4.97	24	Government and fiscal policy subindex	4.97	24
Budget deficit, % of GSP	5.10	11	Bond rating: composite	3.13	49
Security subindex	5.65	11	Security subindex	5.65	11
The BGA Integrity Index	5.69	15			
Infrastructure subindex	3.63	47	Infrastructure subindex		
Electricity prices per million BTU	6.99	1	Electricity prices per million BTU		
Median Monthly Housing Costs			Median Monthly Housing Costs		
Travel time to work			Travel time to work		
Human resources subindex	6.68	1	Human resources subindex		
Technology subindex	8.45	1	Technology subindex		
100 GSP	7.71	2			
Population per 1000 inhabitants	6.41	3			
Business incubation subindex	7.65	1	Business incubation subindex	7.65	1
Bank deposits per capita	5.38	5	Minimum wage	3.42	43
Venture capital per capita	10.00	1			
Openness subindex	6.29	7	Openness subindex	6.29	7
Exports per capita, dollars	5.95	7			
% of population born abroad	5.98	9			
Environmental policy subindex	3.92	43	Environmental policy subindex	3.92	43
			Carbon emission per 1000 sq miles	2.80	48

A subindex combines one or more variables that explain certain social or economic characteristics. For example, the institutions and security subindex is composed of other variables such as crime, percentage change in crime, and murders committed in the state.

Variables are the elements that make up each subindex. Variables that rank between 1 and 20 are considered advantages to a state, while variables that rank between 30 and 50 are considered disadvantages.

2007 Metro Area Index



COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	5.99	8	Government and Fiscal Policy Subindex	5.99	8
State and Local Taxes per capita/Income per capita(cur \$), %	5.42	19			
Worker's Compensation premium rates	5.99	8			
State Bond Rating	6.34	1			
Average benefit per first payment for unemployed	5.39	16			
Security Subindex	4.98	26	Security Subindex	4.98	26
Crime index change (%)	5.13	20			
Infrastructure Subindex	5.15	26	Infrastructure Subindex	5.15	26
Air passengers per capita	6.70	6	Travel time to work	3.15	48
Electricity prices	5.67	17	Median Monthly Housing Costs	4.79	36
Human Resources Subindex	4.48	35	Human Resources Subindex	4.48	35
% of adults in the labor force	6.06	9	% of population that graduated from high school	5.04	30
			% of student enrolled in degree-granting institutions per 1000	3.68	48
			Infant mortality rate, deaths per 1000 live births	4.16	41
			Non-federal physicians per 100,000 inhabitants	3.84	48
Technology Subindex	4.26	41	Technology Subindex	4.26	41
% of Comp and Eng Job	5.01	19	NIH support to institutions per capita	4.36	40
			New patents issued per 100,000 inhabitants	4.18	37
			Number of S&E graduate students per 100,000 inhabitants	3.89	47
Business Incubation Subindex	5.20	17	Business Incubation Subindex	5.20	17
Employer firm births per 100,000 inhabitants	5.26	14	New publicly traded companies (IPO by metro)	4.27	38
Forbes Cost of Doing Business index	5.10	19			
% of labor force represented by unions	6.18	4			
Openness Subindex	4.65	25	Openness Subindex	4.65	25
% of population born abroad	5.01	19	Exports per capita	4.38	33
Environmental Policy Subindex	4.80	35	Environmental Policy Subindex	4.80	35
High Ozone Days	5.23	20	Air Quality Index	4.12	47

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	5.66	18	Government and Fiscal Policy Subindex	5.66	18
State and Local Taxes per capita/Income per capita(cur \$), %	6.24	5			
Bond rating: S&P/Moody's composite	5.81	9			
Average benefit per first payment for unemployed	4.94	20			
Security Subindex	5.96	9	Security Subindex	5.96	9
Crime index change (%)	5.15	18	Thefts per 100.000 inhabitants	4.78	32
Violent crimes per 100.000 inhabitants	6.01	6			
Murders per 100.000 inhabitants	6.46	1			
Infrastructure Subindex	4.23	42	Infrastructure Subindex	4.23	42
			High-Speed Lines per 1000	4.08	38
			Air passengers per capita	4.52	33
			Electricity prices	4.76	33
Human Resources Subindex	5.08	25	Human Resources Subindex	5.08	25
Unemployment rate	6.09	6	% of population without health insurance	3.81	43
% of adults in the labor force	6.51	4	% of student enrolled in degree-granting institutions per 1000	4.49	34
Infant mortality rate, deaths per 1000 live births	5.33	19	Non-federal physicians per 100.000 inhabitants	3.85	44
Technology Subindex	4.97	24	Technology Subindex	4.97	24
% of Comp and Eng Job	6.29	4	Academic R&D per \$1,000	4.71	34
			NIH support to institutions per capita	4.48	36
Business Incubation Subindex	5.31	15	Business Incubation Subindex	5.31	15
Entrepreneurial Activity index	6.36	5	Bank deposits per capita	4.15	46
% of labor force represented by unions	6.16	5	Employer firm births per 100,000 inhabitants	4.67	31
New publicly traded companies (IPO by metro)	5.16	14			
Openness Subindex	6.05	11	Openness Subindex	6.05	11
Exports per capita	6.69	7			
% of population born abroad	5.18	18			
Environmental Policy Subindex	4.43	38	Environmental Policy Subindex	4.43	38
Air Quality Index	5.89	6	Toxic release, pounds per sq. mile	2.74	48
High Ozone Days	5.41	13			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	5.60	20	Government and Fiscal Policy Subindex	5.60	20
Worker's Compensation premium rates	5.98	9	Bond rating: S&P/Moody's composite	4.69	34
State Bond Rating	6.34	1			
Security Subindex	3.72	47	Security Subindex	3.72	47
Thefts per 100.000 inhabitants	5.32	19	Crime index change (%)	4.74	35
			Violent crimes per 100.000 inhabitants	3.48	46
			Murders per 100.000 inhabitants	3.28	48
Infrastructure Subindex	4.57	33	Infrastructure Subindex	4.57	33
High-Speed Lines per 1000	6.23	5	Travel time to work	3.90	45
Air passengers per capita	5.03	17	Median Monthly Housing Costs	4.48	38
			Electricity prices	4.53	38
Human Resources Subindex	6.20	5	Human Resources Subindex	6.20	5
% of population without health insurance	6.07	5			
Unemployment rate	6.09	6			
% of adults in the labor force	5.29	19			
Non-federal physicians per 100.000 inhabitants	6.88	5			
Technology Subindex	7.88	2	Technology Subindex	7.88	2
Academic R&D per \$1,000	10.00	1			
NIH support to institutions per capita	8.57	2			
Number of S&E graduate students per 100,000 inhabitants	6.41	4			
% of Comp and Eng Job	5.88	7			
Business Incubation Subindex	5.19	18	Business Incubation Subindex	5.19	18
Venture capital investment per capita	4.91	13	Bank deposits per capita	4.48	36
Employer firm births per 100,000 inhabitants	5.83	11	Forbes Cost of Doing Business index	4.59	33
Entrepreneurial Activity index	6.29	6			
Openness Subindex	4.14	42	Openness Subindex	4.14	42
			Exports per capita	4.09	47
			% of population born abroad	4.38	31
Environmental Policy Subindex	4.96	28	Environmental Policy Subindex	4.96	28
			Air Quality Index	4.81	33
			High Ozone Days	4.73	45

Birmingham

Index **Overall Rank**

3.50

47

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
State and Local Taxes per capita/Income per capita(cur \$), %	5.90	10	Worker's Compensation premium rates	5.90	10
Average benefit per first payment for unemployed	6.66	2	Bond rating: S&P/Moody's composite	4.42	39
	7.20	2		4.69	34
Security Subindex			Security Subindex		
	3.94	45	Crime index change (%)	3.94	45
			Violent crimes per 100.000 inhabitants	4.66	38
			Thefts per 100.000 inhabitants	4.86	33
			Murders per 100.000 inhabitants	4.34	37
Infrastructure Subindex			Infrastructure Subindex		
Median Monthly Housing Costs	4.24	41	High-Speed Lines per 1000	4.24	41
Electricity prices	6.06	6	Travel time to work	2.68	50
	5.83	13	Air passengers per capita	4.92	32
				4.04	47
Human Resources Subindex			Human Resources Subindex		
Unemployment rate	3.97	40	% of population without health insurance	3.97	40
	6.31	3	% of population that graduated from high school	4.82	31
			% of adults in the labor force	4.54	38
			Infant mortality rate, deaths per 1000 live births	3.66	44
			Non-federal physicians per 100.000 inhabitants	3.25	47
				3.87	43
Technology Subindex			Technology Subindex		
Academic R&D per \$1,000	4.35	39	New patents issued per 100.000 inhabitants	4.35	39
	5.15	10	% of Comp and Eng Job	3.71	49
				4.16	43
Business Incubation Subindex			Business Incubation Subindex		
Entrepreneurial Activity index	4.90	25	Venture capital investment per capita	4.90	25
Forbes Cost of Doing Business index	6.50	3	Employer firm births per 100,000 inhabitants	4.21	50
	5.56	13	New publicly traded companies (IPO by metro)	3.99	45
				4.13	44
Openness Subindex			Openness Subindex		
	3.93	50	Exports per capita	3.93	50
			% of population born abroad	4.18	44
				3.92	48
Environmental Policy Subindex			Environmental Policy Subindex		
	4.10	42	Toxic release, pounds per sq. mile	4.10	42
			Air Quality Index	4.90	31
				3.43	48

BHI

Metro Area Index 2007

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	4.90	29	Government and Fiscal Policy Subindex	4.90	29
State and Local Taxes per capita/Income per capita(cur \$), %	5.36	20	Average benefit per first payment for unemployed	2.68	50
Worker's Compensation premium rates	6.29	5			
Bond rating: S&P/Moody's composite	5.53	17			
Security Subindex	5.93	10	Security Subindex	5.93	10
Violent crimes per 100.000 inhabitants	5.47	17	Crime index change (%)	4.06	48
Thefts per 100.000 inhabitants	6.61	3			
Murders per 100.000 inhabitants	6.18	6			
Infrastructure Subindex	3.50	47	Infrastructure Subindex	3.50	47
High-Speed Lines per 1000	6.53	2	Travel time to work	4.23	40
			Median Monthly Housing Costs	3.43	46
			Electricity prices	3.02	49
Human Resources Subindex	7.22	2	Human Resources Subindex	7.22	2
% of population without health insurance	5.83	15			
% of population that graduated from high school	6.09	6			
Unemployment rate	5.98	8			
% of student enrolled in degree-granting institutions per 1000	5.97	6			
% of adults in the labor force	5.45	16			
Infant mortality rate, deaths per 1000 live births	6.18	3			
Non-federal physicians per 100.000 inhabitants	7.69	1			
Technology Subindex	8.51	1	Technology Subindex	8.51	1
Academic R&D per \$1,000	7.00	2			
NIH support to institutions per capita	8.94	1			
New patents issued per 100.000 inhabitants	6.69	7			
Number of S&E graduate students per 100,000 inhabitants	9.12	1			
% of Comp and Eng Job	6.06	6			
Business Incubation Subindex	6.75	4	Business Incubation Subindex	6.75	4
Bank deposits per capita	5.48	9	Entrepreneurial Activity index	4.46	34
Venture capital investment per capita	8.04	1	Forbes Cost of Doing Business index	3.58	47
New publicly traded companies (IPO by metro)	8.93	1			
Openness Subindex	4.87	19	Openness Subindex	4.87	19
% of population born abroad	5.33	16			
Environmental Policy Subindex	5.79	13	Environmental Policy Subindex	5.79	13
Toxic release, pounds per sq. mile	6.09	3			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	3.31	49	Government and Fiscal Policy Subindex	3.31	49
			State and Local Taxes per capita/Income per capita(cur \$), %	2.52	49
			Worker's Compensation premium rates	4.45	37
			Bond rating: S&P/Moody's composite	3.57	45
			State Bond Rating	4.45	34
Security Subindex	5.39	21	Security Subindex	5.39	21
Thefts per 100.000 inhabitants	5.98	9	Murders per 100.000 inhabitants	4.90	31
Infrastructure Subindex	5.60	14	Infrastructure Subindex	5.60	14
High-Speed Lines per 1000	5.85	12	Air passengers per capita	4.37	39
Travel time to work	6.65	2	Electricity prices	3.04	47
Median Monthly Housing Costs	6.26	3			
Human Resources Subindex	5.46	17	Human Resources Subindex	5.46	17
% of population without health insurance	5.74	16	Unemployment rate	4.31	41
% of population that graduated from high school	5.44	17	% of adults in the labor force	3.24	48
% of student enrolled in degree-granting institutions per 1000	5.10	18			
Infant mortality rate, deaths per 1000 live births	5.85	14			
Non-federal physicians per 100.000 inhabitants	7.02	3			
Technology Subindex	5.18	20	Technology Subindex	5.18	20
Academic R&D per \$1,000	5.01	20	% of Comp and Eng Job	4.09	45
NIH support to institutions per capita	5.33	9			
New patents issued per 100.000 inhabitants	4.96	17			
Number of S&E graduate students per 100,000 inhabitants	6.27	5			
Business Incubation Subindex	4.21	42	Business Incubation Subindex	4.21	42
Bank deposits per capita	5.34	10	Entrepreneurial Activity index	3.47	47
Venture capital investment per capita	4.86	16	Forbes Cost of Doing Business index	4.40	37
Employer firm births per 100,000 inhabitants	5.12	17	% of labor force represented by unions	2.77	49
New publicly traded companies (IPO by metro)	6.88	2			
Openness Subindex	4.75	23	Openness Subindex	4.75	23
Exports per capita	5.46	11	% of population born abroad	4.10	44
Environmental Policy Subindex	5.84	12	Environmental Policy Subindex	5.84	12
Toxic release, pounds per sq. mile	6.08	4	High Ozone Days	4.82	42
Air Quality Index	5.58	14			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
Worker's Compensation premium rates	5.73	14	State and Local Taxes per capita/Income per capita(cur \$), %	4.87	30
Bond rating: S&P/Moody's composite	6.09	3			
State Bond Rating	6.29	7			
Average benefit per first payment for unemployed	5.34	17			
Security Subindex	4.03	43	Security Subindex	4.03	43
			Violent crimes per 100.000 inhabitants	4.68	38
			Thefts per 100.000 inhabitants	3.24	49
			Murders per 100.000 inhabitants	4.67	34
Infrastructure Subindex	6.34	4	Infrastructure Subindex	6.34	4
Median Monthly Housing Costs	5.70	16	High-Speed Lines per 1000	3.83	45
Air passengers per capita	7.21	4			
Electricity prices	5.74	16			
Human Resources Subindex	4.54	33	Human Resources Subindex	4.54	33
% of adults in the labor force	6.19	6	% of population without health insurance	4.71	35
			% of population that graduated from high school	4.88	32
			Unemployment rate	4.76	31
			% of student enrolled in degree-granting institutions per 1000	4.60	30
			Infant mortality rate, deaths per 1000 live births	3.70	46
			Non-federal physicians per 100.000 inhabitants	4.48	37
Technology Subindex	4.86	26	Technology Subindex	4.86	26
Academic R&D per \$1,000	5.65	7	New patents issued per 100.000 inhabitants	4.48	32
NIH support to institutions per capita	5.47	8	Number of S&E graduate students per 100,000 inhabitants	4.54	30
			% of Comp and Eng Job	4.33	40
Business Incubation Subindex	7.12	3	Business Incubation Subindex	7.12	3
Bank deposits per capita	7.32	2	New publicly traded companies (IPO by metro)	4.40	32
Entrepreneurial Activity index	6.57	2			
Forbes Cost of Doing Business index	6.55	7			
% of labor force represented by unions	6.47	1			
Openness Subindex	4.41	34	Openness Subindex	4.41	34
			Exports per capita	4.38	32
Environmental Policy Subindex	4.05	43	Environmental Policy Subindex	4.05	43
			Toxic release, pounds per sq. mile	3.86	45
			Air Quality Index	4.50	39
			High Ozone Days	5.02	33

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	4.68	33	Government and Fiscal Policy Subindex	4.68	33
			State Bond Rating	4.30	40
			Average benefit per first payment for unemployed	4.54	34
Security Subindex	5.46	16	Security Subindex	5.46	16
Thefts per 100.000 inhabitants	5.84	12			
Infrastructure Subindex	4.29	40	Infrastructure Subindex	4.29	40
Air passengers per capita	5.40	10	High-Speed Lines per 1000	4.52	32
			Travel time to work	3.31	47
			Median Monthly Housing Costs	4.90	33
Human Resources Subindex	5.00	26	Human Resources Subindex	5.00	26
% of student enrolled in degree-granting institutions per 1000	5.99	5	% of population without health insurance	4.60	37
Non-federal physicians per 100.000 inhabitants	4.98	16	% of population that graduated from high school	4.66	35
			Unemployment rate	4.65	33
Technology Subindex	4.74	30	Technology Subindex	4.74	30
Number of S&E graduate students per 100,000 inhabitants	5.30	18	Academic R&D per \$1,000	4.63	39
			NIH support to institutions per capita	4.61	31
			% of Comp and Eng Job	4.65	32
Business Incubation Subindex	4.80	31	Business Incubation Subindex	4.80	31
Bank deposits per capita	5.16	15	Venture capital investment per capita	4.40	38
Entrepreneurial Activity index	5.87	13	Employer firm births per 100,000 inhabitants	4.18	43
New publicly traded companies (IPO by metro)	6.35	8	Forbes Cost of Doing Business index	4.26	39
			% of labor force represented by unions	4.25	38
Openness Subindex	5.35	13	Openness Subindex	5.35	13
Exports per capita	5.08	16			
% of population born abroad	5.55	12			
Environmental Policy Subindex	5.01	26	Environmental Policy Subindex	5.01	26
Toxic release, pounds per sq. mile	5.43	20	Air Quality Index	4.43	42

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
Bond rating: S&P/Moody's composite	6.09	3	State and Local Taxes per capita/Income per capita(cur \$), %	3.97	43
State Bond Rating	5.37	20	Worker's Compensation premium rates	4.54	35
			Average benefit per first payment for unemployed	4.68	30
Security Subindex			Security Subindex		
Violent crimes per 100.000 inhabitants	5.91	10	Crime index change (%)	4.71	36
Murders per 100.000 inhabitants	5.34	20			
Infrastructure Subindex			Infrastructure Subindex		
Travel time to work	5.77	10	High-Speed Lines per 1000	4.36	33
Median Monthly Housing Costs	6.17	5			
Air passengers per capita	4.99	18			
Electricity prices	5.79	14			
Human Resources Subindex			Human Resources Subindex		
Non-federal physicians per 100.000 inhabitants	4.97	17	Unemployment rate	4.54	37
			% of student enrolled in degree-granting institutions per 1000	4.57	32
			Infant mortality rate, deaths per 1000 live births	4.32	39
Technology Subindex			Technology Subindex		
	4.70	31	NIH support to institutions per capita	4.58	34
			New patents issued per 100.000 inhabitants	4.54	31
Business Incubation Subindex			Business Incubation Subindex		
Entrepreneurial Activity index	5.65	16	Bank deposits per capita	3.48	50
			Venture capital investment per capita	4.36	39
			Employer firm births per 100,000 inhabitants	3.77	47
			New publicly traded companies (IPO by metro)	4.13	43
Openness Subindex			Openness Subindex		
	4.24	37	% of population born abroad	3.92	48
Environmental Policy Subindex			Environmental Policy Subindex		
	3.87	45	Toxic release, pounds per sq. mile	3.16	46
			High Ozone Days	5.01	34

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
State Bond Rating	5.58	15	State and Local Taxes per capita/Income per capita(cur \$), %	3.68	46
			Worker's Compensation premium rates	4.65	33
			Bond rating: S&P/Moody's composite	4.13	41
			Average benefit per first payment for unemployed	4.55	32
Security Subindex			Security Subindex		
Crime index change (%)	6.42	4			
Violent crimes per 100,000 inhabitants	5.41	19			
Thefts per 100,000 inhabitants	5.74	13			
Murders per 100,000 inhabitants	5.68	13			
Infrastructure Subindex			Infrastructure Subindex		
Travel time to work	5.67	12			
Median Monthly Housing Costs	6.03	7			
Electricity prices	5.63	19			
Human Resources Subindex			Human Resources Subindex		
% of population without health insurance	5.70	17	Unemployment rate	3.31	48
Non-federal physicians per 100,000 inhabitants	5.21	11	% of student enrolled in degree-granting institutions per 1000	4.45	39
			% of adults in the labor force	4.55	35
			Infant mortality rate, deaths per 1000 live births	3.94	43
Technology Subindex			Technology Subindex		
Number of S&E graduate students per 100,000 inhabitants	5.42	11	% of Comp and Eng Job	4.41	37
Business Incubation Subindex			Business Incubation Subindex		
Bank deposits per capita	5.18	14	Venture capital investment per capita	4.28	44
			Employer firm births per 100,000 inhabitants	3.71	48
			Forbes Cost of Doing Business index	4.61	32
			% of labor force represented by unions	4.49	30
			New publicly traded companies (IPO by metro)	4.10	45
Openness Subindex			Openness Subindex		
Exports per capita	4.84	17	% of population born abroad	4.18	40
Environmental Policy Subindex			Environmental Policy Subindex		
Air Quality Index	5.35	20	Toxic release, pounds per sq. mile	2.30	50
			High Ozone Days	4.79	44

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
Bond rating: S&P/Moody's composite	6.37	1	State and Local Taxes per capita/Income per capita(cur \$), %	3.68	46
State Bond Rating	5.58	15	Worker's Compensation premium rates	4.65	33
			Average benefit per first payment for unemployed	4.55	32
Security Subindex			Security Subindex		
Violent crimes per 100.000 inhabitants	4.84	28	Thefts per 100.000 inhabitants	4.84	28
	5.59	14		3.89	44
Infrastructure Subindex			Infrastructure Subindex		
Travel time to work	5.68	11	Air passengers per capita	5.68	11
Median Monthly Housing Costs	6.00	7		4.25	42
Electricity prices	5.77	12			
	5.63	19			
Human Resources Subindex			Human Resources Subindex		
% of population without health insurance	5.21	20	Unemployment rate	5.21	20
% of population that graduated from high school	5.98	9	% of student enrolled in degree-granting institutions per 1000	4.65	33
	5.85	9	Infant mortality rate, deaths per 1000 live births	4.45	39
% of adults in the labor force	5.71	12		3.94	43
Non-federal physicians per 100.000 inhabitants	5.21	11			
Technology Subindex			Technology Subindex		
Number of S&E graduate students per 100,000 inhabitants	5.02	23		5.02	23
% of Comp and Eng Job	5.42	11			
	5.28	15			
Business Incubation Subindex			Business Incubation Subindex		
Entrepreneurial Activity index	3.89	44	Bank deposits per capita	3.89	44
Forbes Cost of Doing Business index	5.79	14	Venture capital investment per capita	4.49	35
	5.08	20	Employer firm births per 100,000 inhabitants	4.28	44
			% of labor force represented by unions	3.71	48
			New publicly traded companies (IPO by metro)	4.49	30
				4.10	45
Openness Subindex			Openness Subindex		
Exports per capita	4.47	31	% of population born abroad	4.47	31
	4.84	17		4.21	38
Environmental Policy Subindex			Environmental Policy Subindex		
Air Quality Index	3.78	46	Toxic release, pounds per sq. mile	3.78	46
	5.58	14	High Ozone Days	2.33	49
				4.99	37

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	5.75	14	Government and Fiscal Policy Subindex	5.75	14
State and Local Taxes per capita/Income per capita(cur \$), %	6.24	5			
Bond rating: S&P/Moody's composite	6.09	3			
Average benefit per first payment for unemployed	4.94	20			
Security Subindex	5.00	25	Security Subindex	5.00	25
Crime index change (%)	5.34	13	Violent crimes per 100.000 inhabitants	5.01	30
Murders per 100.000 inhabitants	5.43	19	Thefts per 100.000 inhabitants	4.22	40
Infrastructure Subindex	4.56	34	Infrastructure Subindex	4.56	34
Air passengers per capita	5.39	11	High-Speed Lines per 1000	4.08	38
			Travel time to work	4.69	35
			Electricity prices	4.76	33
Human Resources Subindex	4.44	36	Human Resources Subindex	4.44	36
Unemployment rate	5.42	17	% of population without health insurance	4.03	40
% of adults in the labor force	6.19	6	% of population that graduated from high school	3.61	46
Infant mortality rate, deaths per 1000 live births	5.33	19	% of student enrolled in degree-granting institutions per 1000	4.49	34
			Non-federal physicians per 100.000 inhabitants	3.85	44
Technology Subindex	4.61	32	Technology Subindex	4.61	32
			Academic R&D per \$1,000	4.71	34
			NIH support to institutions per capita	4.48	36
Business Incubation Subindex	5.11	19	Business Incubation Subindex	5.11	19
Bank deposits per capita	5.20	13	Employer firm births per 100,000 inhabitants	4.31	39
Entrepreneurial Activity index	5.51	18	Forbes Cost of Doing Business index	4.32	38
% of labor force represented by unions	6.16	5			
New publicly traded companies (IPO by metro)	5.16	14			
Openness Subindex	6.28	9	Openness Subindex	6.28	9
Exports per capita	6.69	7			
% of population born abroad	5.57	11			
Environmental Policy Subindex	5.04	25	Environmental Policy Subindex	5.04	25
Air Quality Index	5.43	18	Toxic release, pounds per sq. mile	4.59	37
			High Ozone Days	5.08	31

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
Subindex/Variable	Index	Rank	Subindex/Variable	Index	Rank
Government and Fiscal Policy Subindex	4.61	35	Government and Fiscal Policy Subindex	4.61	35
Worker's Compensation premium rates	5.47	18	State Bond Rating	4.07	41
			Average benefit per first payment for unemployed	3.94	45
Security Subindex	6.17	7	Security Subindex	6.17	7
Crime index change (%)	6.49	3			
Violent crimes per 100,000 inhabitants	5.58	15			
Murders per 100,000 inhabitants	5.76	11			
Infrastructure Subindex	6.79	2	Infrastructure Subindex	6.79	2
High-Speed Lines per 1000	5.68	16	Travel time to work	4.79	34
Air passengers per capita	7.27	3			
Electricity prices	5.66	18			
Human Resources Subindex	5.80	10	Human Resources Subindex	5.80	10
% of population that graduated from high school	5.53	14			
% of student enrolled in degree-granting institutions per 1000	5.68	14			
% of adults in the labor force	6.48	5			
Non-federal physicians per 100,000 inhabitants	4.90	19			
Technology Subindex	5.54	11	Technology Subindex	5.54	11
New patents issued per 100,000 inhabitants	5.81	12			
Number of S&E graduate students per 100,000 inhabitants	5.91	8			
% of Comp and Eng Job	5.49	10			
Business Incubation Subindex	5.93	10	Business Incubation Subindex	5.93	10
Venture capital investment per capita	5.50	9	Bank deposits per capita	4.55	33
Employer firm births per 100,000 inhabitants	6.77	3			
% of labor force represented by unions	5.69	18			
Openness Subindex	4.49	29	Openness Subindex	4.49	29
% of population born abroad	4.99	20	Exports per capita	4.10	46
Environmental Policy Subindex	5.76	14	Environmental Policy Subindex	5.76	14
Toxic release, pounds per sq. mile	6.01	6			
High Ozone Days	5.45	12			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex 4.06 38			Government and Fiscal Policy Subindex 4.06 38		
Worker's Compensation premium rates	5.95	10	State and Local Taxes per capita/Income per capita(cur \$), %	4.67	33
			Bond rating: S&P/Moody's composite	3.01	48
			State Bond Rating	4.07	41
			Average benefit per first payment for unemployed	4.37	41
Security Subindex 4.79 30			Security Subindex 4.79 30		
Crime index change (%)	6.62	2	Violent crimes per 100,000 inhabitants	3.84	44
			Murders per 100,000 inhabitants	3.84	46
Infrastructure Subindex 4.85 30			Infrastructure Subindex 4.85 30		
Median Monthly Housing Costs	5.49	19	High-Speed Lines per 1000	3.84	44
Air passengers per capita	5.04	16			
Human Resources Subindex 3.85 44			Human Resources Subindex 3.85 44		
% of student enrolled in degree-granting institutions per 1000	5.36	16	Unemployment rate	1.20	50
Non-federal physicians per 100,000 inhabitants	5.21	13	% of adults in the labor force	4.20	40
			Infant mortality rate, deaths per 1000 live births	4.32	39
Technology Subindex 5.19 19			Technology Subindex 5.19 19		
Academic R&D per \$1,000	5.12	12	NIH support to institutions per capita	4.60	32
New patents issued per 100,000 inhabitants	5.39	14			
Number of S&E graduate students per 100,000 inhabitants	5.15	20			
% of Comp and Eng Job	5.45	11			
Business Incubation Subindex 2.37 50			Business Incubation Subindex 2.37 50		
			Bank deposits per capita	4.62	30
			Venture capital investment per capita	4.24	48
			Employer firm births per 100,000 inhabitants	1.81	50
			Entrepreneurial Activity index	4.67	32
			Forbes Cost of Doing Business index	4.53	34
			% of labor force represented by unions	3.64	46
			New publicly traded companies (IPO by metro)	4.25	40
Openness Subindex 4.92 18			Openness Subindex 4.92 18		
Exports per capita	5.36	13	% of population born abroad	4.50	30
Environmental Policy Subindex 4.83 33			Environmental Policy Subindex 4.83 33		
			Toxic release, pounds per sq. mile	4.85	33
			High Ozone Days	4.99	38

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	3.89	39	Government and Fiscal Policy Subindex	3.89	39
			State and Local Taxes per capita/Income per capita(cur \$), %	3.84	44
			Worker's Compensation premium rates	4.79	30
			Bond rating: S&P/Moody's composite	4.41	40
			State Bond Rating	4.45	34
			Average benefit per first payment for unemployed	4.05	44
Security Subindex	6.07	8	Security Subindex	6.07	8
Violent crimes per 100,000 inhabitants	6.17	4	Crime index change (%)	4.85	33
Thefts per 100,000 inhabitants	5.72	14			
Murders per 100,000 inhabitants	5.93	9			
Infrastructure Subindex	5.13	27	Infrastructure Subindex	5.13	27
High-Speed Lines per 1000	6.95	1	Median Monthly Housing Costs	4.99	32
Travel time to work	6.16	6	Electricity prices	2.52	50
Human Resources Subindex	6.05	8	Human Resources Subindex	6.05	8
% of population without health insurance	6.31	3	% of student enrolled in degree-granting institutions per 1000	4.03	41
% of population that graduated from high school	5.63	12			
% of adults in the labor force	5.29	19			
Infant mortality rate, deaths per 1000 live births	6.15	5			
Non-federal physicians per 100,000 inhabitants	6.60	7			
Technology Subindex	5.63	9	Technology Subindex	5.63	9
NIH support to institutions per capita	5.81	6			
New patents issued per 100,000 inhabitants	5.99	11			
Number of S&E graduate students per 100,000 inhabitants	5.39	15			
% of Comp and Eng Job	5.27	16			
Business Incubation Subindex	4.35	39	Business Incubation Subindex	4.35	39
Bank deposits per capita	4.95	20	Employer firm births per 100,000 inhabitants	4.59	34
Venture capital investment per capita	4.76	20	Entrepreneurial Activity index	3.19	50
New publicly traded companies (IPO by metro)	6.72	5	Forbes Cost of Doing Business index	4.69	30
			% of labor force represented by unions	4.32	36
Openness Subindex	4.57	26	Openness Subindex	4.57	26
			Exports per capita	4.29	38
Environmental Policy Subindex	6.04	8	Environmental Policy Subindex	6.04	8
Toxic release, pounds per sq. mile	6.01	5	High Ozone Days	5.00	36
Air Quality Index	5.81	9			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
State and Local Taxes per capita/Income per capita(cur \$), %	6.24	5			
Bond rating: S&P/Moody's composite	5.53	17			
Average benefit per first payment for unemployed	4.94	20			
Security Subindex			Security Subindex		
	4.16	41		4.16	41
			Crime index change (%)	4.93	30
			Violent crimes per 100.000 inhabitants	4.10	42
			Thefts per 100.000 inhabitants	4.57	33
			Murders per 100.000 inhabitants	4.31	42
Infrastructure Subindex			Infrastructure Subindex		
	4.33	39		4.33	39
Median Monthly Housing Costs	5.44	20	High-Speed Lines per 1000	4.08	38
Air passengers per capita	5.26	14	Travel time to work	4.16	42
			Electricity prices	4.76	33
Human Resources Subindex			Human Resources Subindex		
	3.78	45		3.78	45
Unemployment rate	5.42	17	% of population without health insurance	3.18	48
% of adults in the labor force	5.39	18	% of population that graduated from high school	2.86	48
Infant mortality rate, deaths per 1000 live births	5.33	19	% of student enrolled in degree-granting institutions per 1000	4.49	34
			Non-federal physicians per 100.000 inhabitants	3.85	44
Technology Subindex			Technology Subindex		
	4.59	33		4.59	33
			Academic R&D per \$1,000	4.71	34
			NIH support to institutions per capita	4.48	36
Business Incubation Subindex			Business Incubation Subindex		
	5.29	16		5.29	16
Entrepreneurial Activity index	5.72	15	Bank deposits per capita	4.56	32
Forbes Cost of Doing Business index	5.25	17	Employer firm births per 100,000 inhabitants	4.31	39
% of labor force represented by unions	6.16	5			
New publicly traded companies (IPO by metro)	5.16	14			
Openness Subindex			Openness Subindex		
	6.50	6		6.50	6
Exports per capita	6.69	7			
% of population born abroad	5.97	9			
Environmental Policy Subindex			Environmental Policy Subindex		
	4.20	40		4.20	40
			Toxic release, pounds per sq. mile	4.72	35
			Air Quality Index	4.35	44
			High Ozone Days	4.57	46

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
Worker's Compensation premium rates	7.05	1	Average benefit per first payment for unemployed	4.63	31
State Bond Rating	5.58	15			
Security Subindex			Security Subindex		
	4.48	37	Crime index change (%)	4.88	31
			Violent crimes per 100,000 inhabitants	4.95	31
			Thefts per 100,000 inhabitants	4.50	34
			Murders per 100,000 inhabitants	4.37	40
Infrastructure Subindex			Infrastructure Subindex		
Travel time to work	5.63	12	High-Speed Lines per 1000	4.16	36
Median Monthly Housing Costs	5.79	10	Air passengers per capita	4.44	36
Electricity prices	6.16	3			
Human Resources Subindex			Human Resources Subindex		
% of population that graduated from high school	5.17	23	Infant mortality rate, deaths per 1000 live births	4.55	35
Unemployment rate	5.47	16	Non-federal physicians per 100,000 inhabitants	4.01	41
% of adults in the labor force	5.76	10			
	5.99	10			
Technology Subindex			Technology Subindex		
	4.58	34	Academic R&D per \$1,000	4.75	31
			NIH support to institutions per capita	4.26	43
			New patents issued per 100,000 inhabitants	4.46	33
Business Incubation Subindex			Business Incubation Subindex		
Entrepreneurial Activity index	4.51	36	Bank deposits per capita	4.33	41
Forbes Cost of Doing Business index	5.65	16	Venture capital investment per capita	4.28	46
	6.18	8	Employer firm births per 100,000 inhabitants	4.13	44
			New publicly traded companies (IPO by metro)	4.16	42
Openness Subindex			Openness Subindex		
	4.17	39	Exports per capita	4.40	31
			% of population born abroad	4.12	43
Environmental Policy Subindex			Environmental Policy Subindex		
	3.62	47	Toxic release, pounds per sq. mile	2.99	47
			Air Quality Index	4.50	39

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
State and Local Taxes per capita/Income per capita(cur \$), %	5.66	10	Worker's Compensation premium rates	4.22	41
State Bond Rating	5.96	9			
Average benefit per first payment for unemployed	6.02	9			
Security Subindex			Security Subindex		
Crime index change (%)	4.75	32	Thefts per 100,000 inhabitants	4.75	32
	6.20	6	Murders per 100,000 inhabitants	4.09	42
				4.03	45
Infrastructure Subindex			Infrastructure Subindex		
High-Speed Lines per 1000	5.08	29	Air passengers per capita	5.08	29
	5.64	17		4.41	38
Human Resources Subindex			Human Resources Subindex		
% of population that graduated from high school	4.83	30	% of student enrolled in degree-granting institutions per 1000	4.83	30
Unemployment rate	5.75	10	Infant mortality rate, deaths per 1000 live births	3.94	42
Non-federal physicians per 100,000 inhabitants	5.31	20		4.75	31
	4.88	20			
Technology Subindex			Technology Subindex		
	3.84	46	Academic R&D per \$1,000	3.84	46
			NIH support to institutions per capita	4.02	46
			New patents issued per 100,000 inhabitants	4.16	38
			Number of S&E graduate students per 100,000 inhabitants	4.38	37
			% of Comp and Eng Job	4.35	39
Business Incubation Subindex			Business Incubation Subindex		
Employer firm births per 100,000 inhabitants	5.07	21	Venture capital investment per capita	5.07	21
% of labor force represented by unions	6.44	4	Entrepreneurial Activity index	4.43	33
	6.06	10	New publicly traded companies (IPO by metro)	4.10	39
				4.31	34
Openness Subindex			Openness Subindex		
Exports per capita	4.50	28	% of population born abroad	4.50	28
	4.80	19		4.32	33
Environmental Policy Subindex			Environmental Policy Subindex		
Air Quality Index	5.27	21	Toxic release, pounds per sq. mile	5.27	21
High Ozone Days	5.66	12		4.21	41
	5.62	1			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
Worker's Compensation premium rates	5.70	15	Bond rating: S&P/Moody's composite	4.69	34
State Bond Rating	6.03	8			
Average benefit per first payment for unemployed	5.74	13			
Security Subindex			Security Subindex		
Crime index change (%)	4.77	31	Violent crimes per 100,000 inhabitants	4.69	37
	5.73	8	Thefts per 100,000 inhabitants	4.50	35
			Murders per 100,000 inhabitants	4.51	38
Infrastructure Subindex			Infrastructure Subindex		
Travel time to work	5.79	9	High-Speed Lines per 1000	4.22	34
Median Monthly Housing Costs	5.93	8	Air passengers per capita	4.59	30
Electricity prices	5.74	14			
	6.06	5			
Human Resources Subindex			Human Resources Subindex		
% of population without health insurance	5.56	13	Unemployment rate	4.42	39
% of population that graduated from high school	5.44	18	Infant mortality rate, deaths per 1000 live births	4.45	36
% of student enrolled in degree-granting institutions per 1000	6.22	3	Non-federal physicians per 100,000 inhabitants	4.56	36
% of adults in the labor force	5.88	7			
	6.09	8			
Technology Subindex			Technology Subindex		
Academic R&D per \$1,000	4.74	29	New patents issued per 100,000 inhabitants	4.74	29
Number of S&E graduate students per 100,000 inhabitants	5.05	19		4.13	42
	5.43	10			
Business Incubation Subindex			Business Incubation Subindex		
Entrepreneurial Activity index	4.66	32	Bank deposits per capita	4.66	32
	5.94	12	Venture capital investment per capita	4.56	31
			Employer firm births per 100,000 inhabitants	4.33	41
			New publicly traded companies (IPO by metro)	4.47	36
				4.51	31
Openness Subindex			Openness Subindex		
	4.10	46	Exports per capita	4.10	46
			% of population born abroad	4.21	43
				4.19	39
Environmental Policy Subindex			Environmental Policy Subindex		
Toxic release, pounds per sq. mile	5.61	15		5.61	15
High Ozone Days	5.59	18			
	5.52	10			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex 5.57 22			Government and Fiscal Policy Subindex 5.57 22		
State and Local Taxes per capita/Income per capita(our \$), %	5.58	14			
Worker's Compensation premium rates	5.53	17			
State Bond Rating	5.58	15			
Security Subindex 3.43 48			Security Subindex 3.43 48		
			Crime index change (%)	4.62	41
			Violent crimes per 100,000 inhabitants	3.20	48
			Thefts per 100,000 inhabitants	4.14	41
			Murders per 100,000 inhabitants	4.14	44
Infrastructure Subindex 6.70 3			Infrastructure Subindex 6.70 3		
High-Speed Lines per 1000	5.70	15	Median Monthly Housing Costs	4.13	41
Air passengers per capita	8.44	1			
Human Resources Subindex 3.55 47			Human Resources Subindex 3.55 47		
% of adults in the labor force	5.29	19	% of population without health insurance	3.20	47
Infant mortality rate, deaths per 1000 live births	5.97	13	% of population that graduated from high school	4.14	42
			Unemployment rate	3.87	46
			% of student enrolled in degree-granting institutions per 1000	3.59	49
			Non-federal physicians per 100,000 inhabitants	3.61	50
Technology Subindex 3.30 50			Technology Subindex 3.30 50		
			Academic R&D per \$1,000	3.46	50
			NIH support to institutions per capita	3.87	50
			New patents issued per 100,000 inhabitants	4.21	36
			Number of S&E graduate students per 100,000 inhabitants	3.49	50
			% of Comp and Eng Job	3.73	48
Business Incubation Subindex 7.13 2			Business Incubation Subindex 7.13 2		
Bank deposits per capita	9.31	1	% of labor force represented by unions	4.23	45
Employer firm births per 100,000 inhabitants	6.23	9	New publicly traded companies (IPO by metro)	4.67	30
Entrepreneurial Activity index	6.43	4			
Forbes Cost of Doing Business index	5.31	16			
Openness Subindex 5.01 17			Openness Subindex 5.01 17		
% of population born abroad	6.00	8	Exports per capita	4.01	50
Environmental Policy Subindex 4.38 39			Environmental Policy Subindex 4.38 39		
			Toxic release, pounds per sq. mile	3.94	44
			Air Quality Index	4.81	33

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	3.76	41	Government and Fiscal Policy Subindex	3.76	41
Bond rating: S&P/Moody's composite	5.81	9	State and Local Taxes per capita/Income per capita(cur \$), %	4.42	35
			Worker's Compensation premium rates	3.11	45
			State Bond Rating	3.32	44
			Average benefit per first payment for unemployed	4.46	35
Security Subindex	5.39	20	Security Subindex	5.39	20
Thefts per 100.000 inhabitants	6.39	5	Violent crimes per 100.000 inhabitants	4.86	34
			Murders per 100.000 inhabitants	4.65	35
Infrastructure Subindex	3.57	46	Infrastructure Subindex	3.57	46
High-Speed Lines per 1000	6.02	6	Travel time to work	4.20	41
			Median Monthly Housing Costs	3.52	45
			Air passengers per capita	4.57	31
			Electricity prices	3.91	39
Human Resources Subindex	3.86	42	Human Resources Subindex	3.86	42
% of student enrolled in degree-granting institutions per 1000	5.85	8	% of population without health insurance	2.87	49
Infant mortality rate, deaths per 1000 live births	6.06	7	% of population that graduated from high school	2.24	50
			Unemployment rate	4.54	37
			% of adults in the labor force	4.42	37
Technology Subindex	5.25	17	Technology Subindex	5.25	17
Academic R&D per \$1,000	5.06	13	Number of S&E graduate students per 100,000 inhabitants	4.44	31
NIH support to institutions per capita	5.19	12	% of Comp and Eng Job	4.41	36
New patents issued per 100.000 inhabitants	6.81	1			
Business Incubation Subindex	4.92	23	Business Incubation Subindex	4.92	23
Venture capital investment per capita	7.17	2	Forbes Cost of Doing Business index	3.80	44
Employer firm births per 100,000 inhabitants	5.09	19	% of labor force represented by unions	4.25	38
Openness Subindex	7.45	2	Openness Subindex	7.45	2
Exports per capita	6.95	1			
% of population born abroad	7.40	3			
Environmental Policy Subindex	4.03	44	Environmental Policy Subindex	4.03	44
Toxic release, pounds per sq. mile	5.75	13	Air Quality Index	4.43	42
			High Ozone Days	3.16	49

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
Average benefit per first payment for unemployed	5.10	19	Worker's Compensation premium rates	4.29	40
			State Bond Rating	4.68	32
Security Subindex			Security Subindex		
Violent crimes per 100,000 inhabitants	5.70	12	Crime index change (%)	4.38	45
Murders per 100,000 inhabitants	5.68	13			
Infrastructure Subindex			Infrastructure Subindex		
Travel time to work	5.90	9	High-Speed Lines per 1000	3.31	49
Median Monthly Housing Costs	6.28	2	Air passengers per capita	4.08	45
Electricity prices	6.33	1			
Human Resources Subindex			Human Resources Subindex		
% of population without health insurance	5.41	19	% of population that graduated from high school	4.66	35
Infant mortality rate, deaths per 1000 live births	5.56	17	Unemployment rate	4.09	43
			% of adults in the labor force	4.58	34
			Non-federal physicians per 100,000 inhabitants	4.14	40
Technology Subindex			Technology Subindex		
	3.90	43	Academic R&D per \$1,000	4.74	32
			NIH support to institutions per capita	4.26	42
			New patents issued per 100,000 inhabitants	3.94	46
			Number of S&E graduate students per 100,000 inhabitants	4.05	46
			% of Comp and Eng Job	3.95	47
Business Incubation Subindex			Business Incubation Subindex		
Forbes Cost of Doing Business index	6.73	5	Bank deposits per capita	4.45	37
			Employer firm births per 100,000 inhabitants	3.96	46
			Entrepreneurial Activity index	4.39	35
			New publicly traded companies (IPO by metro)	4.26	39
Openness Subindex			Openness Subindex		
	4.03	49	Exports per capita	4.35	35
			% of population born abroad	3.93	47
Environmental Policy Subindex			Environmental Policy Subindex		
	4.53	37	Toxic release, pounds per sq. mile	4.50	39
			Air Quality Index	4.50	39

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	5.98	9	Government and Fiscal Policy Subindex	5.98	9
State and Local Taxes per capita/Income per capita(cur \$), %	6.53	3	Bond rating: S&P/Moody's composite	4.13	41
Worker's Compensation premium rates	5.47	18			
Average benefit per first payment for unemployed	6.57	4			
Security Subindex	1.54	50	Security Subindex	1.54	50
			Crime index change (%)	4.75	34
			Violent crimes per 100,000 inhabitants	1.16	50
			Thefts per 100,000 inhabitants	2.33	50
			Murders per 100,000 inhabitants	3.17	49
Infrastructure Subindex	5.54	17	Infrastructure Subindex	5.54	17
Travel time to work	5.51	16	High-Speed Lines per 1000	3.69	46
Median Monthly Housing Costs	5.76	13			
Air passengers per capita	5.21	15			
Electricity prices	5.88	12			
Human Resources Subindex	3.40	49	Human Resources Subindex	3.40	49
			% of population that graduated from high school	4.17	41
			Unemployment rate	3.98	45
			% of student enrolled in degree-granting institutions per 1000	3.86	46
			% of adults in the labor force	4.78	30
			Infant mortality rate, deaths per 1000 live births	2.71	49
			Non-federal physicians per 100,000 inhabitants	4.42	38
Technology Subindex	4.37	38	Technology Subindex	4.37	38
% of Comp and Eng Job	5.24	17	Academic R&D per \$1,000	4.76	30
			NIH support to institutions per capita	4.65	30
			New patents issued per 100,000 inhabitants	3.84	48
			Number of S&E graduate students per 100,000 inhabitants	4.17	42
Business Incubation Subindex	5.60	12	Business Incubation Subindex	5.60	12
Entrepreneurial Activity index	6.22	8	Venture capital investment per capita	4.33	42
Forbes Cost of Doing Business index	5.89	10	Employer firm births per 100,000 inhabitants	4.61	33
% of labor force represented by unions	5.99	15			
New publicly traded companies (IPO by metro)	4.91	20			
Openness Subindex	4.06	48	Openness Subindex	4.06	48
			Exports per capita	4.29	37
			% of population born abroad	4.03	45
Environmental Policy Subindex	4.84	32	Environmental Policy Subindex	4.84	32
High Ozone Days	5.24	18	Toxic release, pounds per sq. mile	4.69	36
			Air Quality Index	4.81	33

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
State and Local Taxes per capita/Income per capita(cur \$), %	5.66	10	Worker's Compensation premium rates	4.22	41
State Bond Rating	5.96	9	Bond rating: S&P/Moody's composite	3.29	46
Average benefit per first payment for unemployed	6.02	8			
Security Subindex			Security Subindex		
	4.11	42	Violent crimes per 100,000 inhabitants	3.66	45
			Thefts per 100,000 inhabitants	4.28	39
			Murders per 100,000 inhabitants	4.87	32
Infrastructure Subindex			Infrastructure Subindex		
High-Speed Lines per 1000	5.64	17	Travel time to work	4.10	43
Air passengers per capita	5.37	12	Median Monthly Housing Costs	4.03	42
Human Resources Subindex			Human Resources Subindex		
Unemployment rate	5.54	14	% of population without health insurance	3.61	45
Non-federal physicians per 100,000 inhabitants	4.88	20	% of population that graduated from high school	3.89	44
			% of student enrolled in degree-granting institutions per 1000	3.94	42
			% of adults in the labor force	3.66	44
			Infant mortality rate, deaths per 1000 live births	4.75	31
Technology Subindex			Technology Subindex		
	3.66	49	Academic R&D per \$1,000	3.84	46
			NIH support to institutions per capita	4.02	46
			New patents issued per 100,000 inhabitants	4.16	38
			Number of S&E graduate students per 100,000 inhabitants	4.38	37
			% of Comp and Eng Job	3.69	50
Business Incubation Subindex			Business Incubation Subindex		
Bank deposits per capita	5.10	16	Venture capital investment per capita	4.43	33
Employer firm births per 100,000 inhabitants	6.44	4	Entrepreneurial Activity index	3.82	43
% of labor force represented by unions	6.06	10	Forbes Cost of Doing Business index	4.49	35
			New publicly traded companies (IPO by metro)	4.31	34
Openness Subindex			Openness Subindex		
Exports per capita	4.80	19		6.42	7
% of population born abroad	7.72	1			
Environmental Policy Subindex			Environmental Policy Subindex		
Air Quality Index	5.97	4		5.87	10
High Ozone Days	5.58	6			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
Worker's Compensation premium rates	5.77	13	State and Local Taxes per capita/Income per capita(cur \$), %	3.76	45
Bond rating: S&P/Moody's composite	5.53	17	State Bond Rating	4.07	41
Average benefit per first payment for unemployed	5.33	18			
Security Subindex	4.27	40	Security Subindex	4.27	40
			Crime index change (%)	3.68	49
			Violent crimes per 100.000 inhabitants	4.77	36
Infrastructure Subindex	5.40	22	Infrastructure Subindex	5.40	22
Travel time to work	6.20	5	High-Speed Lines per 1000	4.09	37
Median Monthly Housing Costs	5.63	17	Air passengers per capita	4.44	37
Human Resources Subindex	5.61	12	Human Resources Subindex	5.61	12
% of population without health insurance	5.87	12	Non-federal physicians per 100.000 inhabitants	4.73	33
% of population that graduated from high school	5.53	14			
% of student enrolled in degree-granting institutions per 1000	5.22	17			
% of adults in the labor force	5.58	15			
Infant mortality rate, deaths per 1000 live births	5.44	18			
Technology Subindex	5.08	21	Technology Subindex	5.08	21
Academic R&D per \$1,000	5.75	6	% of Comp and Eng Job	4.66	31
New patents issued per 100.000 inhabitants	5.25	15			
Business Incubation Subindex	3.88	45	Business Incubation Subindex	3.88	45
Bank deposits per capita	5.10	17	Venture capital investment per capita	4.31	43
Entrepreneurial Activity index	5.44	19	Employer firm births per 100,000 inhabitants	4.22	42
			Forbes Cost of Doing Business index	4.42	36
			% of labor force represented by unions	4.39	34
			New publicly traded companies (IPO by metro)	4.05	47
Openness Subindex	4.23	38	Openness Subindex	4.23	38
			Exports per capita	4.35	36
			% of population born abroad	4.29	34
Environmental Policy Subindex	5.92	9	Environmental Policy Subindex	5.92	9
Air Quality Index	5.89	6			
High Ozone Days	5.31	16			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
Bond rating: S&P/Moody's composite	6.09	3	State and Local Taxes per capita/Income per capita(cur \$), %	4.40	41
State Bond Rating	5.88	13	Average benefit per first payment for unemployed	3.56	48
Security Subindex			Security Subindex		
Violent crimes per 100,000 inhabitants	6.20	3	Crime index change (%)	4.32	46
Thefts per 100,000 inhabitants	5.26	20			
Murders per 100,000 inhabitants	6.01	7			
Infrastructure Subindex			Infrastructure Subindex		
Travel time to work	5.54	15	High-Speed Lines per 1000	4.57	31
Air passengers per capita	5.64	8			
Electricity prices	5.75	15			
Human Resources Subindex			Human Resources Subindex		
% of population without health insurance	6.60	2			
% of population that graduated from high school	7.03	1			
% of student enrolled in degree-granting institutions per 1000	6.26	4			
% of adults in the labor force	7.12	1			
Infant mortality rate, deaths per 1000 live births	6.10	6			
Non-federal physicians per 100,000 inhabitants	5.14	14			
Technology Subindex			Technology Subindex		
NIH support to institutions per capita	5.04	19	Academic R&D per \$1,000	4.14	44
New patents issued per 100,000 inhabitants	6.48	9			
Number of S&E graduate students per 100,000 inhabitants	6.56	3			
% of Comp and Eng Job	5.64	9			
Business Incubation Subindex			Business Incubation Subindex		
	3.34	49	Venture capital investment per capita	4.50	32
			Employer firm births per 100,000 inhabitants	4.49	35
			Entrepreneurial Activity index	4.03	40
			Forbes Cost of Doing Business index	4.16	40
			% of labor force represented by unions	4.27	37
			New publicly traded companies (IPO by metro)	4.36	33
Openness Subindex			Openness Subindex		
	4.45	33		4.45	33
Environmental Policy Subindex			Environmental Policy Subindex		
Toxic release, pounds per sq. mile	5.90	11		6.04	7
Air Quality Index	5.35	20			
High Ozone Days	5.59	4			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
State and Local Taxes per capita/Income per capita(our \$), %	6.90	1		6.64	1
Worker's Compensation premium rates	5.36	20			
Bond rating: S&P/Moody's composite	5.81	9			
State Bond Rating	5.58	15			
Average benefit per first payment for unemployed	6.46	5			
Security Subindex			Security Subindex		
Crime index change (%)	4.42	38	Violent crimes per 100,000 inhabitants	4.42	38
	5.38	11		3.30	47
Infrastructure Subindex			Infrastructure Subindex		
Median Monthly Housing Costs	5.32	23	High-Speed Lines per 1000	5.32	23
Electricity prices	5.72	15		4.22	35
	5.92	11			
Human Resources Subindex			Human Resources Subindex		
% of population without health insurance	4.36	37	% of population that graduated from high school	4.36	37
Unemployment rate	5.87	12	% of student enrolled in degree-granting institutions per 1000	4.85	33
	5.42	17	Infant mortality rate, deaths per 1000 live births	3.77	47
% of adults in the labor force	5.45	16	Non-federal physicians per 100,000 inhabitants	2.59	50
				4.69	34
Technology Subindex			Technology Subindex		
	4.06	42	Academic R&D per \$1,000	4.06	42
			New patents issued per 100,000 inhabitants	4.58	40
			Number of S&E graduate students per 100,000 inhabitants	3.93	47
			% of Comp and Eng Job	4.19	41
				4.02	46
Business Incubation Subindex			Business Incubation Subindex		
Entrepreneurial Activity index	5.96	9	Venture capital investment per capita	5.96	9
Forbes Cost of Doing Business index	6.15	9	Employer firm births per 100,000 inhabitants	4.33	40
% of labor force represented by unions	6.59	6		4.67	30
New publicly traded companies (IPO by metro)	6.00	14			
	5.19	11			
Openness Subindex			Openness Subindex		
	4.24	36	Exports per capita	4.24	36
			% of population born abroad	4.37	34
				4.28	35
Environmental Policy Subindex			Environmental Policy Subindex		
High Ozone Days	4.98	27	Toxic release, pounds per sq. mile	4.98	27
	5.40	14	Air Quality Index	4.79	34
				4.81	33

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
Average benefit per first payment for unemployed	4.35	36	State and Local Taxes per capita/Income per capita(cur \$), %	4.35	36
	7.20	1	Worker's Compensation premium rates	4.84	31
			Bond rating: S&P/Moody's composite	4.52	36
			State Bond Rating	3.85	43
				2.56	50
Security Subindex			Security Subindex		
Crime index change (%)	4.02	44	Violent crimes per 100.000 inhabitants	4.02	44
Thefts per 100.000 inhabitants	6.24	5	Murders per 100.000 inhabitants	4.90	32
	5.50	16		0.93	50
Infrastructure Subindex			Infrastructure Subindex		
	4.41	36	High-Speed Lines per 1000	4.41	36
			Travel time to work	3.66	47
				4.95	31
Human Resources Subindex			Human Resources Subindex		
Unemployment rate	3.03	50	% of population without health insurance	3.03	50
	5.87	9	% of population that graduated from high school	3.61	45
			% of student enrolled in degree-granting institutions per 1000	4.04	43
			% of adults in the labor force	3.37	50
			Infant mortality rate, deaths per 1000 live births	3.33	47
			Non-federal physicians per 100.000 inhabitants	2.85	48
				4.67	35
Technology Subindex			Technology Subindex		
	3.79	48	Academic R&D per \$1,000	3.79	48
			NIH support to institutions per capita	4.74	33
			New patents issued per 100.000 inhabitants	4.35	41
			Number of S&E graduate students per 100,000 inhabitants	3.66	50
				3.56	49
			% of Comp and Eng Job	4.23	42
Business Incubation Subindex			Business Incubation Subindex		
Bank deposits per capita	4.82	30	Venture capital investment per capita	4.82	30
Forbes Cost of Doing Business index	5.03	19	Employer firm births per 100,000 inhabitants	4.25	47
% of labor force represented by unions	6.09	9	New publicly traded companies (IPO by metro)	4.42	38
	5.94	16		3.98	50
Openness Subindex			Openness Subindex		
	4.11	45	Exports per capita	4.11	45
			% of population born abroad	4.25	41
				4.17	42
Environmental Policy Subindex			Environmental Policy Subindex		
High Ozone Days	5.57	16		5.57	16
	5.54	8			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	3.76	40	Government and Fiscal Policy Subindex	3.76	40
			State and Local Taxes per capita/Income per capita(cur \$), %	3.14	48
			Worker's Compensation premium rates	4.74	31
			Bond rating: S&P/Moody's composite	4.69	34
			State Bond Rating	4.45	34
			Average benefit per first payment for unemployed	4.12	43
Security Subindex	6.33	4	Security Subindex	6.33	4
Violent crimes per 100,000 inhabitants	5.52	16			
Thefts per 100,000 inhabitants	7.19	1			
Murders per 100,000 inhabitants	5.54	16			
Infrastructure Subindex	2.59	50	Infrastructure Subindex	2.59	50
High-Speed Lines per 1000	6.33	3	Travel time to work	2.20	50
			Median Monthly Housing Costs	3.89	43
			Electricity prices	3.29	46
Human Resources Subindex	5.18	22	Human Resources Subindex	5.18	22
Infant mortality rate, deaths per 1000 live births	6.18	4	% of population without health insurance	4.69	36
Non-federal physicians per 100,000 inhabitants	6.65	6	% of population that graduated from high school	4.35	40
			% of student enrolled in degree-granting institutions per 1000	4.50	33
			% of adults in the labor force	4.07	42
Technology Subindex	4.93	25	Technology Subindex	4.93	25
New patents issued per 100,000 inhabitants	5.11	16	Academic R&D per \$1,000	4.54	41
Number of S&E graduate students per 100,000 inhabitants	5.64	9	% of Comp and Eng Job	4.47	34
Business Incubation Subindex	4.50	37	Business Incubation Subindex	4.50	37
Bank deposits per capita	6.02	6	Entrepreneurial Activity index	4.24	37
Venture capital investment per capita	4.98	11	Forbes Cost of Doing Business index	3.52	50
Employer firm births per 100,000 inhabitants	5.50	12	% of labor force represented by unions	3.00	48
New publicly traded companies (IPO by metro)	6.38	7			
Openness Subindex	6.08	10	Openness Subindex	6.08	10
Exports per capita	5.20	15			
% of population born abroad	6.72	5			
Environmental Policy Subindex	5.45	18	Environmental Policy Subindex	5.45	18
Toxic release, pounds per sq. mile	5.96	8	High Ozone Days	4.95	39

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex 5.80 12			Government and Fiscal Policy Subindex 5.80 12		
State and Local Taxes per capita/Income per capita(cur \$), %	6.49	4	Worker's Compensation premium rates	4.71	32
Bond rating: S&P/Moody's composite	5.81	9	State Bond Rating	4.45	34
Average benefit per first payment for unemployed	6.04	6			
Security Subindex 5.08 24			Security Subindex 5.08 24		
Crime index change (%)	6.07	7	Thefts per 100.000 inhabitants	3.99	43
Infrastructure Subindex 5.61 13			Infrastructure Subindex 5.61 13		
Travel time to work	6.52	3	High-Speed Lines per 1000	3.36	48
Median Monthly Housing Costs	6.26	3	Air passengers per capita	4.09	44
Electricity prices	5.94	10			
Human Resources Subindex 4.21 39			Human Resources Subindex 4.21 39		
Unemployment rate	5.54	14	% of population without health insurance	3.81	43
% of student enrolled in degree-granting institutions per 1000	5.00	20	% of population that graduated from high school	4.91	31
			% of adults in the labor force	4.71	32
			Infant mortality rate, deaths per 1000 live births	4.35	38
			Non-federal physicians per 100.000 inhabitants	3.77	49
Technology Subindex 3.84 45			Technology Subindex 3.84 45		
			Academic R&D per \$1,000	4.06	45
			NIH support to institutions per capita	4.11	45
			New patents issued per 100.000 inhabitants	4.07	43
			Number of S&E graduate students per 100,000 inhabitants	4.06	45
			% of Comp and Eng Job	4.46	35
Business Incubation Subindex 5.51 14			Business Incubation Subindex 5.51 14		
Forbes Cost of Doing Business index	7.06	1	Bank deposits per capita	4.43	38
% of labor force represented by unions	5.85	17	Venture capital investment per capita	4.24	49
New publicly traded companies (IPO by metro)	5.17	12	Employer firm births per 100,000 inhabitants	4.63	32
Openness Subindex 4.08 47			Openness Subindex 4.08 47		
			Exports per capita	4.01	49
			% of population born abroad	4.35	32
Environmental Policy Subindex 6.13 5			Environmental Policy Subindex 6.13 5		
Toxic release, pounds per sq. mile	5.93	10			
Air Quality Index	5.50	16			
High Ozone Days	5.56	7			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
State and Local Taxes per capita/Income per capita(cur \$), %	5.66	10	Worker's Compensation premium rates	4.22	41
Bond rating: S&P/Moody's composite	5.39	20			
State Bond Rating	5.96	9			
Average benefit per first payment for unemployed	6.02	10			
Security Subindex			Security Subindex		
	3.74	46	Crime index change (%)	4.62	40
			Violent crimes per 100,000 inhabitants	3.19	49
			Thefts per 100,000 inhabitants	4.33	38
			Murders per 100,000 inhabitants	4.73	33
Infrastructure Subindex			Infrastructure Subindex		
High-Speed Lines per 1000	5.64	17	Travel time to work	4.66	36
Air passengers per capita	7.05	5	Median Monthly Housing Costs	4.29	39
Human Resources Subindex			Human Resources Subindex		
% of population that graduated from high school	4.49	34	% of population without health insurance	4.49	34
Unemployment rate	5.32	19	% of student enrolled in degree-granting institutions per 1000	4.03	40
	5.31	20	Infant mortality rate, deaths per 1000 live births	3.94	42
Non-federal physicians per 100,000 inhabitants	4.88	20		4.75	31
Technology Subindex			Technology Subindex		
	3.82	47	Academic R&D per \$1,000	3.82	47
			NIH support to institutions per capita	3.84	46
			New patents issued per 100,000 inhabitants	4.02	46
			Number of S&E graduate students per 100,000 inhabitants	4.16	38
			% of Comp and Eng Job	4.38	37
				4.25	41
Business Incubation Subindex			Business Incubation Subindex		
Employer firm births per 100,000 inhabitants	4.83	29	Bank deposits per capita	4.83	29
% of labor force represented by unions	6.44	4	Venture capital investment per capita	4.37	39
	6.06	10	Entrepreneurial Activity index	4.43	33
			New publicly traded companies (IPO by metro)	3.89	42
				4.31	34
Openness Subindex			Openness Subindex		
Exports per capita	5.09	16		5.09	16
% of population born abroad	4.80	19			
	5.36	15			
Environmental Policy Subindex			Environmental Policy Subindex		
Air Quality Index	5.43	19	Toxic release, pounds per sq. mile	5.43	19
High Ozone Days	5.81	9		4.36	40
	5.60	3			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex 4.73 32			Government and Fiscal Policy Subindex 4.73 32		
Bond rating: S&P/Moody's composite	5.39	20	Average benefit per first payment for unemployed	3.94	46
Security Subindex 4.57 33			Security Subindex 4.57 33		
Thefts per 100,000 inhabitants	6.01	8	Crime index change (%)	4.25	47
			Violent crimes per 100,000 inhabitants	4.35	41
			Murders per 100,000 inhabitants	4.34	41
Infrastructure Subindex 4.38 37			Infrastructure Subindex 4.38 37		
			Travel time to work	4.26	38
			Median Monthly Housing Costs	4.86	35
			Air passengers per capita	4.53	32
			Electricity prices	4.75	37
Human Resources Subindex 5.39 19			Human Resources Subindex 5.39 19		
% of population without health insurance	6.01	8	% of student enrolled in degree-granting institutions per 1000	4.49	38
Unemployment rate	5.54	14	% of adults in the labor force	4.36	38
Non-federal physicians per 100,000 inhabitants	5.98	10	Infant mortality rate, deaths per 1000 live births	4.80	30
Technology Subindex 5.22 18			Technology Subindex 5.22 18		
Academic R&D per \$1,000	5.35	9			
NIH support to institutions per capita	5.22	11			
New patents issued per 100,000 inhabitants	4.87	19			
Number of S&E graduate students per 100,000 inhabitants	5.27	19			
% of Comp and Eng Job	5.08	18			
Business Incubation Subindex 4.27 41			Business Incubation Subindex 4.27 41		
Bank deposits per capita	6.22	5	Entrepreneurial Activity index	3.54	46
Employer firm births per 100,000 inhabitants	5.18	16	Forbes Cost of Doing Business index	3.68	45
New publicly traded companies (IPO by metro)	5.33	10	% of labor force represented by unions	4.39	34
Openness Subindex 4.50 27			Openness Subindex 4.50 27		
Environmental Policy Subindex 4.75 36			Environmental Policy Subindex 4.75 36		
			Toxic release, pounds per sq. mile	4.89	32
			High Ozone Days	4.57	47

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
Worker's Compensation premium rates	6.38	4	State and Local Taxes per capita/Income per capita(cur \$), %	4.59	34
Bond rating: S&P/Moody's composite	5.81	9	State Bond Rating	4.45	34
Average benefit per first payment for unemployed	6.98	3			
Security Subindex			Security Subindex		
Crime index change (%)	4.49	36	Thefts per 100.000 inhabitants	4.49	36
	5.35	12	Murders per 100.000 inhabitants	3.67	46
				4.56	36
Infrastructure Subindex			Infrastructure Subindex		
Air passengers per capita	5.41	21	Travel time to work	5.41	21
	5.52	9	Median Monthly Housing Costs	4.66	36
				5.01	30
Human Resources Subindex			Human Resources Subindex		
Unemployment rate	5.43	18	% of population without health insurance	5.43	18
% of student enrolled in degree-granting institutions per 1000	5.76	10	% of population that graduated from high school	3.99	42
	8.63	1	% of adults in the labor force	4.45	39
			Non-federal physicians per 100.000 inhabitants	4.49	36
				4.20	39
Technology Subindex			Technology Subindex		
	4.30	40	Academic R&D per \$1,000	4.30	40
			NIH support to institutions per capita	4.67	38
			Number of S&E graduate students per 100,000 inhabitants	4.14	44
				4.10	44
			% of Comp and Eng Job	4.67	30
Business Incubation Subindex			Business Incubation Subindex		
Employer firm births per 100,000 inhabitants	6.03	8	Bank deposits per capita	6.03	8
Entrepreneurial Activity index	5.35	13	Venture capital investment per capita	4.25	42
% of labor force represented by unions	6.64	1		4.51	31
New publicly traded companies (IPO by metro)	5.50	20			
	6.52	6			
Openness Subindex			Openness Subindex		
% of population born abroad	4.85	21	Exports per capita	4.85	21
	5.45	14		4.28	39
Environmental Policy Subindex			Environmental Policy Subindex		
Toxic release, pounds per sq. mile	2.94	49	Air Quality Index	2.94	49
	5.93	9		0.35	50

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	3.66	44	Government and Fiscal Policy Subindex	3.66	44
			Bond rating: S&P/Moody's composite	1.89	50
			Average benefit per first payment for unemployed	4.18	42
Security Subindex	6.39	3	Security Subindex	6.39	3
Violent crimes per 100,000 inhabitants	5.94	8			
Thefts per 100,000 inhabitants	6.68	2			
Murders per 100,000 inhabitants	5.76	11			
Infrastructure Subindex	5.55	16	Infrastructure Subindex	5.55	16
Median Monthly Housing Costs	6.49	1	Air passengers per capita	4.31	40
Human Resources Subindex	5.14	24	Human Resources Subindex	5.14	24
% of population without health insurance	5.90	11	% of adults in the labor force	3.05	50
% of population that graduated from high school	6.22	3	Infant mortality rate, deaths per 1000 live births	4.45	36
Non-federal physicians per 100,000 inhabitants	6.04	9			
Technology Subindex	5.33	14	Technology Subindex	5.33	14
Academic R&D per \$1,000	5.97	5	New patents issued per 100,000 inhabitants	4.56	30
NIH support to institutions per capita	5.56	7			
Number of S&E graduate students per 100,000 inhabitants	5.37	17			
Business Incubation Subindex	3.75	46	Business Incubation Subindex	3.75	46
Bank deposits per capita	5.07	18	Venture capital investment per capita	4.52	30
Forbes Cost of Doing Business index	5.12	18	Entrepreneurial Activity index	3.33	49
			New publicly traded companies (IPO by metro)	4.20	41
Openness Subindex	4.17	40	Openness Subindex	4.17	40
			% of population born abroad	3.87	50
Environmental Policy Subindex	4.20	41	Environmental Policy Subindex	4.20	41
			Toxic release, pounds per sq. mile	4.55	38
			Air Quality Index	4.27	45
			High Ozone Days	4.81	43

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
State and Local Taxes per capita/Income per capita(our \$), %	5.48	17			
Worker's Compensation premium rates	6.00	7			
Bond rating: S&P/Moody's composite	6.09	3			
Security Subindex			Security Subindex		
Crime index change (%)	6.76	1		6.95	1
Violent crimes per 100.000 inhabitants	6.61	1			
Murders per 100.000 inhabitants	6.35	3			
Infrastructure Subindex			Infrastructure Subindex		
Travel time to work	5.31	20		5.95	6
Electricity prices	6.02	6			
Human Resources Subindex			Human Resources Subindex		
% of population that graduated from high school	6.06	7	Unemployment rate	4.65	33
% of adults in the labor force	5.71	12	% of student enrolled in degree-granting institutions per 1000	4.60	30
Infant mortality rate, deaths per 1000 live births	5.71	16			
Non-federal physicians per 100.000 inhabitants	5.05	15			
Technology Subindex			Technology Subindex		
NIH support to institutions per capita	5.15	18	Number of S&E graduate students per 100,000 inhabitants	4.14	43
New patents issued per 100.000 inhabitants	6.68	8			
% of Comp and Eng Job	5.34	13			
Business Incubation Subindex			Business Incubation Subindex		
Venture capital investment per capita	4.80	18	Bank deposits per capita	4.21	44
Employer firm births per 100,000 inhabitants	6.28	8	Entrepreneurial Activity index	4.17	38
			% of labor force represented by unions	4.41	33
			New publicly traded companies (IPO by metro)	4.01	48
Openness Subindex			Openness Subindex		
	4.66	24		4.66	24
Environmental Policy Subindex			Environmental Policy Subindex		
Toxic release, pounds per sq. mile	5.97	7		6.63	1
Air Quality Index	6.27	1			
High Ozone Days	5.62	2			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
Worker's Compensation premium rates	5.54	16	State and Local Taxes per capita/Income per capita(cur \$), %	4.02	42
			Bond rating: S&P/Moody's composite	3.29	46
			State Bond Rating	4.58	33
			Average benefit per first payment for unemployed	2.83	49
Security Subindex			Security Subindex		
Violent crimes per 100.000 inhabitants	6.60	2		6.60	2
Thefts per 100.000 inhabitants	6.24	2			
Murders per 100.000 inhabitants	6.46	4			
	6.24	5			
Infrastructure Subindex			Infrastructure Subindex		
High-Speed Lines per 1000	4.82	31	Air passengers per capita	4.12	43
Travel time to work	6.25	4	Electricity prices	3.50	45
	5.70	11			
Human Resources Subindex			Human Resources Subindex		
% of population without health insurance	5.63	11	% of population that graduated from high school	5.63	11
% of student enrolled in degree-granting institutions per 1000	5.87	12	Unemployment rate	3.64	45
	6.62	3		4.20	42
Non-federal physicians per 100.000 inhabitants	6.62	3			
	7.04	2			
Technology Subindex			Technology Subindex		
Academic R&D per \$1,000	6.54	5	% of Comp and Eng Job	6.54	5
NIH support to institutions per capita	6.49	4		4.55	33
New patents issued per 100.000 inhabitants	6.94	3			
Number of S&E graduate students per 100,000 inhabitants	5.57	13			
	7.09	2			
Business Incubation Subindex			Business Incubation Subindex		
Venture capital investment per capita	4.92	22	Entrepreneurial Activity index	4.92	22
Employer firm births per 100,000 inhabitants	5.91	8	% of labor force represented by unions	3.96	41
New publicly traded companies (IPO by metro)	5.21	15		4.44	32
	5.77	9			
Openness Subindex			Openness Subindex		
	4.48	30	Exports per capita	4.48	30
				4.13	45
Environmental Policy Subindex			Environmental Policy Subindex		
Toxic release, pounds per sq. mile	6.05	6	High Ozone Days	6.05	6
Air Quality Index	6.11	1		5.00	35
	5.74	11			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	6.28	4	Government and Fiscal Policy Subindex	6.28	4
State and Local Taxes per capita/Income per capita(cur \$), %	5.50	15			
Worker's Compensation premium rates	6.67	2			
State Bond Rating	6.34	1			
Average benefit per first payment for unemployed	5.52	14			
Security Subindex	3.39	49	Security Subindex	3.39	49
Violent crimes per 100.000 inhabitants	5.84	11	Crime index change (%)	0.00	50
Thefts per 100.000 inhabitants	5.93	10	Murders per 100.000 inhabitants	4.23	43
Infrastructure Subindex	5.47	20	Infrastructure Subindex	5.47	20
Travel time to work	5.41	17	Air passengers per capita	4.03	48
Electricity prices	5.95	7			
Human Resources Subindex	5.47	16	Human Resources Subindex	5.47	16
% of population without health insurance	6.07	5	% of population that graduated from high school	4.63	37
Unemployment rate	6.20	4	Non-federal physicians per 100.000 inhabitants	4.77	31
Technology Subindex	4.45	36	Technology Subindex	4.45	36
Number of S&E graduate students per 100,000 inhabitants	5.39	13	Academic R&D per \$1,000	4.16	43
			NIH support to institutions per capita	4.57	35
			New patents issued per 100.000 inhabitants	4.06	45
Business Incubation Subindex	6.22	7	Business Incubation Subindex	6.22	7
Bank deposits per capita	5.22	12			
Venture capital investment per capita	4.86	14			
Forbes Cost of Doing Business index	6.90	4			
% of labor force represented by unions	6.28	2			
New publicly traded companies (IPO by metro)	5.16	13			
Openness Subindex	4.15	41	Openness Subindex	4.15	41
			Exports per capita	4.25	42
			% of population born abroad	4.24	37
Environmental Policy Subindex	5.48	17	Environmental Policy Subindex	5.48	17
Air Quality Index	5.35	20			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	3.49	46	Government and Fiscal Policy Subindex	3.49	46
			State and Local Taxes per capita/Income per capita(cur \$), %	4.42	35
			Worker's Compensation premium rates	3.11	45
			State Bond Rating	3.32	44
			Average benefit per first payment for unemployed	4.46	35
Security Subindex	5.40	19	Security Subindex	5.40	19
Crime index change (%)	5.31	14			
Thefts per 100.000 inhabitants	5.38	18			
Infrastructure Subindex	2.95	49	Infrastructure Subindex	2.95	49
High-Speed Lines per 1000	6.02	6	Travel time to work	3.38	46
			Median Monthly Housing Costs	3.88	44
			Air passengers per capita	3.82	50
			Electricity prices	3.91	39
Human Resources Subindex	3.85	43	Human Resources Subindex	3.85	43
% of student enrolled in degree-granting institutions per 1000	5.85	8	% of population without health insurance	4.80	32
Infant mortality rate, deaths per 1000 live births	6.06	7	% of population that graduated from high school	2.43	49
			Unemployment rate	3.20	49
			% of adults in the labor force	3.62	46
Technology Subindex	5.07	22	Technology Subindex	5.07	22
Academic R&D per \$1,000	5.06	13	Number of S&E graduate students per 100,000 inhabitants	4.44	31
NIH support to institutions per capita	5.19	12	% of Comp and Eng Job	3.73	48
New patents issued per 100.000 inhabitants	6.81	1			
Business Incubation Subindex	4.91	24	Business Incubation Subindex	4.91	24
Venture capital investment per capita	7.17	2	Bank deposits per capita	3.96	49
Employer firm births per 100,000 inhabitants	5.09	19	Forbes Cost of Doing Business index	4.63	31
			% of labor force represented by unions	4.25	38
Openness Subindex	6.69	5	Openness Subindex	6.69	5
Exports per capita	6.95	1			
% of population born abroad	6.06	7			
Environmental Policy Subindex	1.16	50	Environmental Policy Subindex	1.16	50
Toxic release, pounds per sq. mile	6.09	2	Air Quality Index	2.27	49
			High Ozone Days	0.00	50

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	3.67	43	Government and Fiscal Policy Subindex	3.67	43
			State and Local Taxes per capita/Income per capita(cur \$), %	2.52	49
			Worker's Compensation premium rates	4.45	37
			Bond rating: S&P/Moody's composite	4.69	34
			State Bond Rating	4.45	34
Security Subindex	5.79	12	Security Subindex	5.79	12
Violent crimes per 100.000 inhabitants	5.93	9	Crime index change (%)	4.64	39
Thefts per 100.000 inhabitants	5.91	11			
Murders per 100.000 inhabitants	5.48	17			
Infrastructure Subindex	5.32	24	Infrastructure Subindex	5.32	24
High-Speed Lines per 1000	5.85	12	Air passengers per capita	4.02	49
Travel time to work	6.92	1	Electricity prices	3.04	47
Median Monthly Housing Costs	5.79	11			
Human Resources Subindex	6.09	7	Human Resources Subindex	6.09	7
% of population without health insurance	6.64	1	Unemployment rate	4.76	31
% of population that graduated from high school	5.69	11	% of adults in the labor force	3.94	43
% of student enrolled in degree-granting institutions per 1000	5.10	18			
Infant mortality rate, deaths per 1000 live births	5.85	14			
Non-federal physicians per 100.000 inhabitants	7.02	3			
Technology Subindex	5.52	12	Technology Subindex	5.52	12
Academic R&D per \$1,000	5.01	20			
NIH support to institutions per capita	5.33	9			
New patents issued per 100.000 inhabitants	4.96	17			
Number of S&E graduate students per 100,000 inhabitants	6.27	5			
% of Comp and Eng Job	5.31	14			
Business Incubation Subindex	4.28	40	Business Incubation Subindex	4.28	40
Venture capital investment per capita	4.86	16	Bank deposits per capita	4.14	47
Employer firm births per 100,000 inhabitants	5.12	17	Entrepreneurial Activity index	3.61	45
Forbes Cost of Doing Business index	5.64	12	% of labor force represented by unions	2.77	49
New publicly traded companies (IPO by metro)	6.88	2			
Openness Subindex	4.83	22	Openness Subindex	4.83	22
Exports per capita	5.46	11	% of population born abroad	4.25	36
Environmental Policy Subindex	6.26	3	Environmental Policy Subindex	6.26	3
Toxic release, pounds per sq. mile	5.69	15			
Air Quality Index	6.27	1			
High Ozone Days	5.24	19			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	3.58	45	Government and Fiscal Policy Subindex	3.58	45
			State and Local Taxes per capita/Income per capita(cur \$), %	4.42	35
			Worker's Compensation premium rates	3.11	45
			State Bond Rating	3.32	44
			Average benefit per first payment for unemployed	4.46	35
Security Subindex	4.85	27	Security Subindex	4.85	27
Murders per 100,000 inhabitants	5.48	17	Crime index change (%)	4.88	32
			Violent crimes per 100,000 inhabitants	4.48	39
			Thefts per 100,000 inhabitants	4.79	31
Infrastructure Subindex	4.34	38	Infrastructure Subindex	4.34	38
High-Speed Lines per 1000	6.02	6	Median Monthly Housing Costs	4.23	40
			Air passengers per capita	4.48	35
			Electricity prices	3.91	39
Human Resources Subindex	4.89	29	Human Resources Subindex	4.89	29
% of population that graduated from high school	5.32	19	% of population without health insurance	4.76	33
% of student enrolled in degree-granting institutions per 1000	5.85	8	Unemployment rate	3.54	47
Infant mortality rate, deaths per 1000 live births	6.06	7	% of adults in the labor force	4.26	39
Technology Subindex	5.51	13	Technology Subindex	5.51	13
Academic R&D per \$1,000	5.06	13	Number of S&E graduate students per 100,000 inhabitants	4.44	31
NIH support to institutions per capita	5.19	12			
New patents issued per 100,000 inhabitants	6.81	1			
% of Comp and Eng Job	5.36	12			
Business Incubation Subindex	4.56	34	Business Incubation Subindex	4.56	34
Venture capital investment per capita	7.17	2	Bank deposits per capita	4.24	43
Employer firm births per 100,000 inhabitants	5.09	19	Entrepreneurial Activity index	4.32	36
			Forbes Cost of Doing Business index	3.89	43
			% of labor force represented by unions	4.25	38
Openness Subindex	6.38	8	Openness Subindex	6.38	8
Exports per capita	6.95	1			
% of population born abroad	5.50	13			
Environmental Policy Subindex	4.82	34	Environmental Policy Subindex	4.82	34
Toxic release, pounds per sq. mile	5.72	14	Air Quality Index	4.81	33
			High Ozone Days	4.18	48

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	6.15	5	Government and Fiscal Policy Subindex	6.15	5
Worker's Compensation premium rates	5.93	11			
Bond rating: S&P/Moody's composite	6.37	1			
State Bond Rating	6.34	1			
Security Subindex	5.63	14	Security Subindex	5.63	14
Crime index change (%)	5.49	9	Thefts per 100,000 inhabitants	3.71	45
Violent crimes per 100,000 inhabitants	6.01	7			
Murders per 100,000 inhabitants	6.38	2			
Infrastructure Subindex	7.23	1	Infrastructure Subindex	7.23	1
Travel time to work	6.29	4	High-Speed Lines per 1000	4.05	42
Median Monthly Housing Costs	5.49	18			
Air passengers per capita	7.34	2			
Electricity prices	6.16	4			
Human Resources Subindex	7.05	3	Human Resources Subindex	7.05	3
% of population that graduated from high school	6.03	8	Non-federal physicians per 100,000 inhabitants	3.88	42
Unemployment rate	6.98	1			
% of student enrolled in degree-granting institutions per 1000	7.41	2			
% of adults in the labor force	6.83	2			
Infant mortality rate, deaths per 1000 live births	6.53	1			
Technology Subindex	5.31	16	Technology Subindex	5.31	16
Academic R&D per \$1,000	5.56	8			
New patents issued per 100,000 inhabitants	4.86	20			
Number of S&E graduate students per 100,000 inhabitants	6.17	7			
Business Incubation Subindex	7.23	1	Business Incubation Subindex	7.23	1
Bank deposits per capita	6.95	4	Entrepreneurial Activity index	3.75	44
Venture capital investment per capita	4.97	12			
Employer firm births per 100,000 inhabitants	7.20	2			
Forbes Cost of Doing Business index	5.33	15			
% of labor force represented by unions	6.13	9			
New publicly traded companies (ipo by metro)	6.80	4			
Openness Subindex	4.39	35	Openness Subindex	4.39	35
			Exports per capita	4.08	48
Environmental Policy Subindex	5.07	24	Environmental Policy Subindex	5.07	24
High Ozone Days	5.27	17	Air Quality Index	4.66	38

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
State and Local Taxes per capita/Income per capita(our \$), %	6.24	5			
Bond rating: S&P/Moody's composite	5.81	9			
Average benefit per first payment for unemployed	4.94	20			
Security Subindex			Security Subindex		
Crime index change (%)	5.16	16	Thefts per 100.000 inhabitants	3.41	48
Infrastructure Subindex			Infrastructure Subindex		
Travel time to work	5.34	18	High-Speed Lines per 1000	4.08	38
Median Monthly Housing Costs	5.80	9	Air passengers per capita	4.29	41
			Electricity prices	4.76	33
Human Resources Subindex			Human Resources Subindex		
Unemployment rate	5.65	12	% of population without health insurance	2.52	50
Infant mortality rate, deaths per 1000 live births	5.33	19	% of population that graduated from high school	3.42	47
			% of student enrolled in degree-granting institutions per 1000	4.49	34
			% of adults in the labor force	4.10	41
			Non-federal physicians per 100.000 inhabitants	3.85	44
Technology Subindex			Technology Subindex		
			Academic R&D per \$1,000	4.71	34
			NIH support to institutions per capita	4.48	36
			% of Comp and Eng Job	4.13	44
Business Incubation Subindex			Business Incubation Subindex		
Bank deposits per capita	5.94	7	Employer firm births per 100,000 inhabitants	4.31	39
Entrepreneurial Activity index	6.01	11			
Forbes Cost of Doing Business index	7.00	2			
% of labor force represented by unions	6.16	5			
New publicly traded companies (IPO by metro)	5.16	14			
Openness Subindex			Openness Subindex		
Exports per capita	6.69	7			
Environmental Policy Subindex			Environmental Policy Subindex		
Air Quality Index	5.66	12	Toxic release, pounds per sq. mile	4.19	42
			High Ozone Days	5.06	32

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	3.13	50	Government and Fiscal Policy Subindex	3.13	50
			State and Local Taxes per capita/Income per capita(cur \$), %	4.42	35
			Worker's Compensation premium rates	3.11	45
			Bond rating: S&P/Moody's composite	3.85	43
			State Bond Rating	3.32	44
			Average benefit per first payment for unemployed	4.46	35
Security Subindex	5.83	11	Security Subindex	5.83	11
Crime index change (%)	5.15	17			
Violent crimes per 100.000 inhabitants	5.41	18			
Thefts per 100.000 inhabitants	5.71	15			
Murders per 100.000 inhabitants	5.79	10			
Infrastructure Subindex	3.84	43	Infrastructure Subindex	3.84	43
High-Speed Lines per 1000	6.02	6	Median Monthly Housing Costs	2.94	47
			Electricity prices	3.91	39
Human Resources Subindex	4.99	27	Human Resources Subindex	4.99	27
% of student enrolled in degree-granting institutions per 1000	5.85	8	% of population without health insurance	4.18	38
Infant mortality rate, deaths per 1000 live births	6.06	7	% of population that graduated from high school	4.76	34
			Unemployment rate	4.65	33
			% of adults in the labor force	4.65	33
Technology Subindex	5.65	8	Technology Subindex	5.65	8
Academic R&D per \$1,000	5.06	13	Number of S&E graduate students per 100,000 inhabitants	4.44	31
NIH support to institutions per capita	5.19	12			
New patents issued per 100.000 inhabitants	6.81	1			
% of Comp and Eng Job	5.84	8			
Business Incubation Subindex	5.08	20	Business Incubation Subindex	5.08	20
Venture capital investment per capita	7.17	2	Forbes Cost of Doing Business index	3.66	46
Employer firm births per 100,000 inhabitants	5.09	19	% of labor force represented by unions	4.25	38
Openness Subindex	6.76	4	Openness Subindex	6.76	4
Exports per capita	6.95	1			
% of population born abroad	6.17	6			
Environmental Policy Subindex	5.20	23	Environmental Policy Subindex	5.20	23
Toxic release, pounds per sq. mile	5.64	17	High Ozone Days	4.84	41

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	3.40	48	Government and Fiscal Policy Subindex	3.40	48
			State and Local Taxes per capita/Income per capita(cur \$), %	4.42	35
			Worker's Compensation premium rates	3.11	45
			Bond rating: S&P/Moody's composite	4.69	34
			State Bond Rating	3.32	44
			Average benefit per first payment for unemployed	4.46	35
Security Subindex	4.29	39	Security Subindex	4.29	39
			Crime index change (%)	4.47	44
			Violent crimes per 100.000 inhabitants	4.48	40
			Thefts per 100.000 inhabitants	4.79	30
			Murders per 100.000 inhabitants	4.51	38
Infrastructure Subindex	3.61	45	Infrastructure Subindex	3.61	45
High-Speed Lines per 1000	6.02	6	Travel time to work	4.03	44
Air passengers per capita	5.71	7	Median Monthly Housing Costs	2.62	49
			Electricity prices	3.91	39
Human Resources Subindex	5.56	14	Human Resources Subindex	5.56	14
% of population that graduated from high school	5.35	18			
% of student enrolled in degree-granting institutions per 1000	5.85	8			
Infant mortality rate, deaths per 1000 live births	6.06	7			
Technology Subindex	5.80	6	Technology Subindex	5.80	6
Academic R&D per \$1,000	5.06	13	Number of S&E graduate students per 100,000 inhabitants	4.44	31
NIH support to institutions per capita	5.19	12			
New patents issued per 100.000 inhabitants	6.81	1			
% of Comp and Eng Job	6.40	3			
Business Incubation Subindex	5.65	11	Business Incubation Subindex	5.65	11
Bank deposits per capita	7.14	3	Entrepreneurial Activity index	4.74	30
Venture capital investment per capita	7.17	2	Forbes Cost of Doing Business index	3.56	48
Employer firm births per 100,000 inhabitants	5.09	19	% of labor force represented by unions	4.25	38
Openness Subindex	7.16	3	Openness Subindex	7.16	3
Exports per capita	6.95	1			
% of population born abroad	6.88	4			
Environmental Policy Subindex	6.21	4	Environmental Policy Subindex	6.21	4
Toxic release, pounds per sq. mile	5.47	19			
Air Quality Index	6.12	3			
High Ozone Days	5.53	9			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	3.76	41	Government and Fiscal Policy Subindex	3.76	41
Bond rating: S&P/Moody's composite	5.81	9	State and Local Taxes per capita/Income per capita(cur \$), %	4.42	35
			Worker's Compensation premium rates	3.11	45
			State Bond Rating	3.32	44
			Average benefit per first payment for unemployed	4.46	35
Security Subindex	6.31	5	Security Subindex	6.31	5
Violent crimes per 100,000 inhabitants	6.17	5	Crime index change (%)	4.53	42
Thefts per 100,000 inhabitants	6.23	6			
Murders per 100,000 inhabitants	6.35	3			
Infrastructure Subindex	3.61	44	Infrastructure Subindex	3.61	44
High-Speed Lines per 1000	6.02	6	Median Monthly Housing Costs	2.36	50
Travel time to work	5.34	18	Electricity prices	3.91	39
Human Resources Subindex	5.20	21	Human Resources Subindex	5.20	21
% of student enrolled in degree-granting institutions per 1000	5.85	8	% of population without health insurance	4.76	33
Infant mortality rate, deaths per 1000 live births	6.06	7	Unemployment rate	4.42	39
			% of adults in the labor force	4.74	31
Technology Subindex	6.62	3	Technology Subindex	6.62	3
Academic R&D per \$1,000	5.06	13	Number of S&E graduate students per 100,000 inhabitants	4.44	31
NIH support to institutions per capita	5.19	12			
New patents issued per 100,000 inhabitants	6.81	1			
% of Comp and Eng Job	9.41	1			
Business Incubation Subindex	4.55	35	Business Incubation Subindex	4.55	35
Venture capital investment per capita	7.17	2	Bank deposits per capita	4.16	45
Employer firm births per 100,000 inhabitants	5.09	19	Entrepreneurial Activity index	4.74	30
			Forbes Cost of Doing Business index	3.54	49
			% of labor force represented by unions	4.25	38
Openness Subindex	7.56	1	Openness Subindex	7.56	1
Exports per capita	6.95	1			
% of population born abroad	7.60	2			
Environmental Policy Subindex	5.87	11	Environmental Policy Subindex	5.87	11
Air Quality Index	5.89	6			
High Ozone Days	5.37	15			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
Worker's Compensation premium rates	5.78	12	State and Local Taxes per capita/Income per capita(cur \$), %	4.75	32
Bond rating: S&P/Moody's composite	5.95	8	Average benefit per first payment for unemployed	3.57	47
Security Subindex			Security Subindex		
Crime index change (%)	5.29	15	Thefts per 100.000 inhabitants	3.52	47
Violent crimes per 100.000 inhabitants	5.64	13			
Murders per 100.000 inhabitants	5.99	8			
Infrastructure Subindex			Infrastructure Subindex		
High-Speed Lines per 1000	5.71	14	Travel time to work	4.26	38
Air passengers per capita	5.28	13	Median Monthly Housing Costs	4.74	37
Electricity prices	6.17	2			
Human Resources Subindex			Human Resources Subindex		
% of population without health insurance	5.41	19			
% of population that graduated from high school	6.62	2			
Unemployment rate	5.65	12			
% of adults in the labor force	5.64	14			
Infant mortality rate, deaths per 1000 live births	6.46	2			
Non-federal physicians per 100.000 inhabitants	4.92	18			
Technology Subindex			Technology Subindex		
NIH support to institutions per capita	5.96	5	Number of S&E graduate students per 100,000 inhabitants	3.77	48
New patents issued per 100.000 inhabitants	6.18	10			
% of Comp and Eng Job	6.24	5			
Business Incubation Subindex			Business Incubation Subindex		
Bank deposits per capita	5.74	8	Entrepreneurial Activity index	4.53	33
Venture capital investment per capita	5.44	10	Forbes Cost of Doing Business index	4.13	41
Employer firm births per 100,000 inhabitants	7.21	1	% of labor force represented by unions	3.54	47
			New publicly traded companies (IPO by metro)	3.98	49
Openness Subindex			Openness Subindex		
Exports per capita	5.23	14			
% of population born abroad	5.32	17			
Environmental Policy Subindex			Environmental Policy Subindex		
Toxic release, pounds per sq. mile	5.86	12			
Air Quality Index	5.97	4			
High Ozone Days	5.58	5			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
State and Local Taxes per capita/Income per capita(cur \$), %	5.44	18	Bond rating: S&P/Moody's composite	2.73	49
State Bond Rating	5.87	14			
Average benefit per first payment for unemployed	6.03	7			
Security Subindex			Security Subindex		
	4.81	29	Crime index change (%)	4.51	43
			Violent crimes per 100,000 inhabitants	4.85	35
Infrastructure Subindex			Infrastructure Subindex		
Median Monthly Housing Costs	5.96	8	High-Speed Lines per 1000	3.96	43
Electricity prices	5.95	8	Air passengers per capita	4.49	34
Human Resources Subindex			Human Resources Subindex		
% of population without health insurance	6.05	7	Unemployment rate	4.09	43
% of population that graduated from high school	5.32	19	Infant mortality rate, deaths per 1000 live births	4.02	42
% of student enrolled in degree-granting institutions per 1000	5.67	15	Non-federal physicians per 100,000 inhabitants	4.81	30
Technology Subindex			Technology Subindex		
Academic R&D per \$1,000	5.12	11	New patents issued per 100,000 inhabitants	4.21	35
NIH support to institutions per capita	4.96	20			
Business Incubation Subindex			Business Incubation Subindex		
Forbes Cost of Doing Business index	5.82	11	Bank deposits per capita	4.36	40
New publicly traded companies (IPO by metro)	4.92	19	Venture capital investment per capita	4.41	37
			Employer firm births per 100,000 inhabitants	4.46	37
Openness Subindex			Openness Subindex		
	4.13	43	% of population born abroad	3.98	46
Environmental Policy Subindex			Environmental Policy Subindex		
	4.87	31	Air Quality Index	4.27	45
			High Ozone Days	5.12	30

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex			Government and Fiscal Policy Subindex		
State and Local Taxes per capita/Income per capita(cur \$), %	5.66	10	Worker's Compensation premium rates	4.22	41
State Bond Rating	5.96	9	Bond rating: S&P/Moody's composite	4.83	33
Average benefit per first payment for unemployed	6.02	10			
Security Subindex			Security Subindex		
Murders per 100.000 inhabitants	4.54	34	Crime index change (%)	4.54	34
	5.62	15	Violent crimes per 100.000 inhabitants	4.70	37
			Thefts per 100.000 inhabitants	4.09	43
				4.45	36
Infrastructure Subindex			Infrastructure Subindex		
High-Speed Lines per 1000	5.12	28	Travel time to work	5.12	28
Air passengers per capita	5.64	17	Median Monthly Housing Costs	4.92	32
	4.87	20	Electricity prices	5.01	30
				4.79	32
Human Resources Subindex			Human Resources Subindex		
Non-federal physicians per 100.000 inhabitants	3.87	41	% of population without health insurance	3.87	41
	4.88	20	% of student enrolled in degree-granting institutions per 1000	4.16	39
			% of adults in the labor force	3.94	42
			Infant mortality rate, deaths per 1000 live births	3.14	49
				4.75	31
Technology Subindex			Technology Subindex		
	3.85	44	Academic R&D per \$1,000	3.85	44
			NIH support to institutions per capita	3.84	46
			New patents issued per 100.000 inhabitants	4.02	46
			Number of S&E graduate students per 100,000 inhabitants	4.16	38
				4.38	37
			% of Comp and Eng Job	4.36	38
Business Incubation Subindex			Business Incubation Subindex		
Employer firm births per 100,000 inhabitants	4.84	28	Bank deposits per capita	4.84	28
Forbes Cost of Doing Business index	6.44	4	Venture capital investment per capita	4.52	34
% of labor force represented by unions	5.39	14	Entrepreneurial Activity index	4.43	33
	6.06	10	New publicly traded companies (IPO by metro)	3.40	48
				4.31	34
Openness Subindex			Openness Subindex		
Exports per capita	4.85	20		4.85	20
	4.80	19			
Environmental Policy Subindex			Environmental Policy Subindex		
Air Quality Index	4.95	29	Toxic release, pounds per sq. mile	4.95	29
High Ozone Days	5.43	18		3.99	43
	5.52	10			

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	6.54	3	Government and Fiscal Policy Subindex	6.54	3
State and Local Taxes per capita/Income per capita(cur \$), %	5.49	16			
Worker's Compensation premium rates	6.66	3			
Bond rating: S&P/Moody's composite	5.81	9			
State Bond Rating	6.34	1			
Average benefit per first payment for unemployed	5.51	15			
Security Subindex	5.48	15	Security Subindex	5.48	15
Crime index change (%)	5.43	10			
Violent crimes per 100,000 inhabitants	5.39	20			
Thefts per 100,000 inhabitants	5.42	17			
Infrastructure Subindex	5.47	18	Infrastructure Subindex	5.47	18
Travel time to work	5.67	12	Median Monthly Housing Costs	4.89	34
Electricity prices	5.95	8	Air passengers per capita	4.05	46
Human Resources Subindex	5.86	9	Human Resources Subindex	5.86	9
% of population without health insurance	5.98	9	Non-federal physicians per 100,000 inhabitants	4.76	32
% of population that graduated from high school	5.60	13			
Unemployment rate	6.20	4			
% of adults in the labor force	5.80	11			
Technology Subindex	4.52	35	Technology Subindex	4.52	35
Number of S&E graduate students per 100,000 inhabitants	5.39	16	Academic R&D per \$1,000	4.18	42
% of Comp and Eng Job	5.00	20	NIH support to institutions per capita	4.58	33
			New patents issued per 100,000 inhabitants	4.07	44
Business Incubation Subindex	6.23	6	Business Incubation Subindex	6.23	6
Venture capital investment per capita	4.86	15	Bank deposits per capita	4.07	48
Entrepreneurial Activity index	6.08	10			
Forbes Cost of Doing Business index	6.96	3			
% of labor force represented by unions	6.28	2			
New publicly traded companies (IPO by metro)	5.16	14			
Openness Subindex	4.12	44	Openness Subindex	4.12	44
			Exports per capita	4.25	40
			% of population born abroad	4.18	40
Environmental Policy Subindex	5.33	20	Environmental Policy Subindex	5.33	20
Air Quality Index	5.50	16	Toxic release, pounds per sq. mile	4.95	30

Washington

Index **Overall Rank**
6.32 **5**

BHI

COMPETITIVE ADVANTAGES			COMPETITIVE DISADVANTAGES		
<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>	<i>Subindex/Variable</i>	<i>Index</i>	<i>Rank</i>
Government and Fiscal Policy Subindex	6.57	2	Government and Fiscal Policy Subindex	6.57	2
State and Local Taxes per capita/Income per capita(cur \$), %	6.21	9			
Worker's Compensation premium rates	6.11	6			
State Bond Rating	6.34	1			
Average benefit per first payment for unemployed	5.99	12			
Security Subindex	5.41	18	Security Subindex	5.41	18
Crime index change (%)	5.15	19	Murders per 100,000 inhabitants	4.53	37
Thefts per 100,000 inhabitants	6.03	7			
Infrastructure Subindex	3.04	48	Infrastructure Subindex	3.04	48
Air passengers per capita	4.99	19	Travel time to work	2.49	49
			Median Monthly Housing Costs	2.93	48
Human Resources Subindex	6.57	4	Human Resources Subindex	6.57	4
% of population without health insurance	6.16	4	Infant mortality rate, deaths per 1000 live births	3.71	45
% of population that graduated from high school	6.22	3			
Unemployment rate	6.76	2			
% of adults in the labor force	6.70	3			
Non-federal physicians per 100,000 inhabitants	6.41	8			
Technology Subindex	6.56	4	Technology Subindex	6.56	4
Academic R&D per \$1,000	6.71	3	New patents issued per 100,000 inhabitants	4.29	34
NIH support to institutions per capita	6.78	4			
Number of S&E graduate students per 100,000 inhabitants	5.39	14			
% of Comp and Eng Job	7.54	2			
Business Incubation Subindex	5.59	13	Business Incubation Subindex	5.59	13
Bank deposits per capita	5.23	11	Forbes Cost of Doing Business index	3.95	42
Venture capital investment per capita	4.80	19			
Employer firm births per 100,000 inhabitants	5.84	10			
Entrepreneurial Activity index	6.29	6			
% of labor force represented by unions	5.66	19			
Openness Subindex	5.12	15	Openness Subindex	5.12	15
% of population born abroad	5.81	10	Exports per capita	4.40	30
Environmental Policy Subindex	5.26	22	Environmental Policy Subindex	5.26	22
Toxic release, pounds per sq. mile	5.64	16	High Ozone Days	4.95	40

Metro Area Index 2007

About the BHI Research Team

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About The Beacon Hill Institute at Suffolk University

The Beacon Hill Institute (BHI) is a nonpartisan economic research organization located in the Department of Economics at Suffolk University in Boston, Massachusetts. Articles and references to BHI's work have appeared in leading publications, including the *Boston Globe*, *New York Times*, *Wall Street Journal*, *The New York Sun*, *U.S. News & World Report* and scholarly publications such as *State Tax Notes* and the National Bureau of Economic Research's *Working Papers Series*.

BHI has developed and built State Tax Analysis Modeling Programs (STAMP) for 28 states and cities. In addition to tax modeling, BHI has customized economic models for public construction project costs, public school performance and alternative energy. The Institute has also provided state revenue forecasts and presented them to the Massachusetts Joint Legislative Committee for Ways and Means. BHI has been a leader in the development of econometric models for the analysis of state tax policy changes, interstate economic competitiveness and community economic impact studies.

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Subindexes, Rank in 2007

	Overall		Govt & Fiscal Policy		Security		Infrstrc		Human Resources		Tech		Biz Incub.		Openness		Enviro. Policy	
	Index	Rank	I	R	I	R	I	R	I	R	I	R	I	R	I	R	I	R
Salt Lake City	7.57	1	6.15	5	5.63	14	7.23	1	7.05	3	5.31	16	7.23	1	4.39	35	5.07	24
Boston	7.38	2	4.90	29	5.93	10	3.50	47	7.22	2	8.51	1	6.75	4	4.87	19	5.79	13
Denver	6.62	3	4.61	35	6.17	7	6.79	2	5.80	10	5.54	11	5.93	10	4.49	29	5.76	14
Portland	6.56	4	5.72	15	6.95	1	5.95	6	5.52	15	5.32	15	4.14	43	4.66	24	6.63	1
Washington DC	6.32	5	6.57	2	5.41	18	3.04	48	6.57	4	6.56	4	5.59	13	5.12	15	5.26	22
Seattle	6.31	6	5.08	25	5.17	23	5.60	15	6.18	6	5.54	10	4.84	27	5.31	14	6.38	2
Virginia Beach	6.13	7	6.54	3	5.48	15	5.47	18	5.86	9	4.52	35	6.23	6	4.12	44	5.33	20
Minneapolis	6.11	8	5.01	27	5.72	13	5.88	7	7.26	1	5.78	7	3.34	49	4.45	33	6.04	7
San Jose	6.11	9	3.76	41	6.31	5	3.61	44	5.20	21	6.62	3	4.55	35	7.56	1	5.87	11
Providence	5.81	10	3.48	47	6.60	2	4.82	31	5.63	11	6.54	5	4.92	22	4.48	30	6.05	6
Baltimore	5.72	11	5.60	20	3.72	47	4.57	33	6.20	5	7.88	2	5.19	18	4.14	42	4.96	28
Rochester	5.56	12	3.67	43	5.79	12	5.32	24	6.09	7	5.52	12	4.28	40	4.83	22	6.26	3
Hartford	5.55	13	3.89	39	6.07	8	5.13	27	6.05	8	5.63	9	4.35	39	4.57	26	6.04	8
Austin	5.54	14	5.66	18	5.96	9	4.23	42	5.08	25	4.97	24	5.31	15	6.05	11	4.43	38
San Francisco	5.53	15	3.40	48	4.29	39	3.61	45	5.56	14	5.80	6	5.65	11	7.16	3	6.21	4
Charlotte	5.45	16	6.07	6	4.03	43	6.34	4	4.54	33	4.86	26	7.12	3	4.41	34	4.05	43
Kansas City	5.32	17	5.76	13	4.77	31	5.79	9	5.56	13	4.74	29	4.66	32	4.10	46	5.61	15
Richmond	5.29	18	6.28	4	3.39	49	5.47	20	5.47	16	4.45	36	6.22	7	4.15	41	5.48	17
Dallas	5.25	19	5.75	14	5.00	25	4.56	34	4.44	36	4.61	32	5.11	19	6.28	9	5.04	25
San Diego	5.15	20	3.13	50	5.83	11	3.84	43	4.99	27	5.65	8	5.08	20	6.76	4	5.20	23
Oklahoma City	5.08	21	5.80	12	5.08	24	5.61	13	4.21	39	3.84	45	5.51	14	4.08	47	6.13	5
Nashville	5.00	22	6.64	1	4.42	38	5.32	23	4.36	37	4.06	42	5.96	9	4.24	36	4.98	27
San Antonio	4.98	23	5.66	18	4.52	35	4.63	32	3.47	48	4.37	37	6.53	5	5.81	12	4.93	30
Buffalo	4.92	24	3.31	49	5.39	21	5.60	14	5.46	17	5.18	20	4.21	42	4.75	23	5.84	12
Atlanta	4.84	25	5.99	8	4.98	26	5.15	26	4.48	35	4.26	41	5.20	17	4.65	25	4.80	35
Phoenix	4.83	26	6.03	7	4.49	36	5.41	21	5.43	18	4.30	40	6.03	8	4.85	21	2.94	49
Chicago	4.79	27	4.68	33	5.46	16	4.29	40	5.00	26	4.74	30	4.80	31	5.35	13	5.01	26
Milwaukee	4.75	28	4.83	31	4.27	40	5.40	22	5.61	12	5.08	21	3.88	45	4.23	38	5.92	9
Las Vegas	4.70	29	5.57	22	3.43	48	6.70	3	3.55	47	3.30	50	7.13	2	5.01	17	4.38	39
Jacksonville	4.69	30	5.67	17	4.75	32	5.08	29	4.83	30	3.84	46	5.07	21	4.50	28	5.27	21
Sacramento	4.66	31	3.58	45	4.85	27	4.34	38	4.89	29	5.51	13	4.56	34	6.38	8	4.82	34
Orlando	4.63	32	5.72	16	3.74	46	5.74	10	4.49	34	3.82	47	4.83	29	5.09	16	5.43	19
New York	4.62	33	3.76	40	6.33	4	2.59	50	5.18	22	4.93	25	4.50	37	6.08	10	5.45	18
St. Louis	4.55	34	5.11	24	4.81	29	5.31	25	4.95	28	4.78	27	4.65	33	4.13	43	4.87	31
Houston	4.50	35	5.57	21	4.16	41	4.33	39	3.78	45	4.59	33	5.29	16	6.50	6	4.20	40
Los Angeles	4.44	36	3.76	41	5.39	20	3.57	46	3.86	42	5.25	17	4.92	23	7.45	2	4.03	44
Pittsburgh	4.42	37	3.66	44	6.39	3	5.55	16	5.14	24	5.33	14	3.75	46	4.17	40	4.20	41
Miami	4.41	38	5.05	26	4.11	42	4.45	35	3.71	46	3.66	49	4.88	26	6.42	7	5.87	10
Indianapolis	4.36	39	5.83	11	4.48	37	5.63	12	5.17	23	4.58	34	4.51	36	4.17	39	3.62	47
Columbus	4.31	40	4.94	28	4.84	28	5.68	11	5.21	20	5.02	23	3.89	44	4.47	31	3.78	46
Philadelphia	4.30	41	4.73	32	4.57	33	4.38	37	5.39	19	5.22	18	4.27	41	4.50	27	4.75	36
Tampa	4.22	42	5.54	23	4.54	34	5.12	28	3.87	41	3.85	44	4.84	28	4.85	20	4.95	29
Cincinnati	4.16	43	4.89	30	5.42	17	6.07	5	4.69	31	4.70	31	3.51	48	4.24	37	3.87	45
Cleveland	4.08	44	4.23	37	6.30	6	5.85	8	4.30	38	4.78	28	3.71	47	4.45	32	3.51	48
Louisville	4.04	45	4.67	34	5.35	22	5.47	19	4.57	32	3.90	43	4.47	38	4.03	49	4.53	37
Memphis	3.51	46	5.98	9	1.54	50	5.54	17	3.40	49	4.37	38	5.60	12	4.06	48	4.84	32
Birmingham	3.50	47	5.90	10	3.94	45	4.24	41	3.97	40	4.35	39	4.90	25	3.93	50	4.10	42
Detroit	3.36	48	4.06	38	4.79	30	4.85	30	3.85	44	5.19	19	2.37	50	4.92	18	4.83	33
New Orleans	3.12	49	4.35	36	4.02	44	4.41	36	3.03	50	3.79	48	4.82	30	4.11	45	5.57	16
Riverside	2.93	50	3.49	46	5.40	19	2.95	49	3.85	43	5.07	22	4.91	24	6.69	5	1.16	50

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