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#### ABSTRACT

The Office of Technology Policy analyzed Bureau of Labor Statistics' growth projections for the core occupational classifications of IT (information technology) workers to assess future demand in the United States. Classifications studied were computer engineers, systems analysts, computer programmers, database administrators, computer support specialists, and other computer scientists. The analysis indicates that there were 2,179,000 core IT workers in 1998 with projected growth to 3,891,000 by 2008. Additionally, the United States will need to replace 306,000 workers who are leaving these occupations as a result of retirement, change of profession, or other reasons. Therefore, the country will require more than 2 million new IT workers in these occupations during this 10-year period. Of these jobs, more than three-fourths will require at least a bachelor's degree. The five fastest growing occupations for the period are database administrators, systems analysts, computer support specialists, computer engineers, and all other computer scientists. The service sector is expected to absorb most of the increases in these core IT occupations, growing between 55 percent and 155 percent, depending on occupation. California, Texas, and New York lead the nation in the number of core IT workers, while Colorado, Virginia, and Massachusetts have the highest proportion of IT workers. (The documents include eight tables with state rankings based on size and intensity of its total core IT work; size, intensity, and annual average wages for each of the core IT occupations; and the states' ordinal rankings on those variables.) (KC)



# The Digital Workforce: Update (August 2000)

#### and

# The Digital Work Force: State Data and Rankings (September 2000)

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# <u>Update</u>

# The Digital Workforce

OFFICE OF TECHNOLOGY POLICY

U.S. DEPARTMENT OF COMMERCE

# Rapid Expansion of U.S. Core IT Work Force to Continue Latest Projections Bring Number to Nearly 4 Million by 2008

The Office of Technology Policy analyzed Bureau of Labor Statistics' growth projections for the core occupational classifications of IT workers—computer engineers, systems analysts, computer programmers, database administrators, computer support specialists and "all other computer scientists"—to assess future U.S. demand.

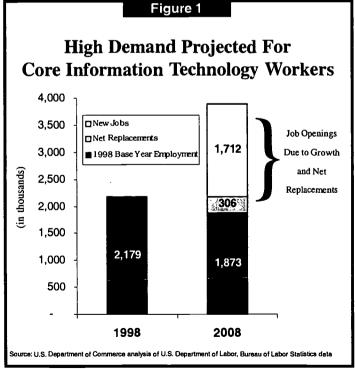
OTP analysis of BLS data indicates there were 2,179,000 core IT workers in 1998 with projected growth bringing the number to 3,891,000 by 2008. Additionally, the United States will need to replace 306,000 workers who are leaving these occupations as a result of retirement, change of profession or other reasons. Accordingly, the United States will require more than 2 million new IT workers in these occupations during this ten year period—an average of about 201,800 per year. [Figure 1] Of these jobs, more than three-fourths (1,552,000) are classified as requiring at least a bachelor's degree, while less than a fourth (466,000) require an associate's degree.

Figure 2 (next page) shows 1998-2008 employment projections for each of the core IT occupations. Overall, on a percentage basis, the new 2008 projections are not very different from the 2006 projections. Between 1998 and 2008, new jobs for all core IT workers are expected to increase 78.7 percent. Notably, the five fastest growing occupations for the 1998-2008 period are core IT occupations:

Database Administrators	77.2 %
Systems Analysts	93.6 %
Computer Support Specialists	102.3 %
Computer Engineers	107.9 %
All Other Computer Scientists	117.5 %

These growth rates compare to a projected increase of 14.4 percent for all occupations. Even the slowest growing core IT occupation, computer programmers, is expected to grow by 29.5 percent, more than twice the average for all occupations.

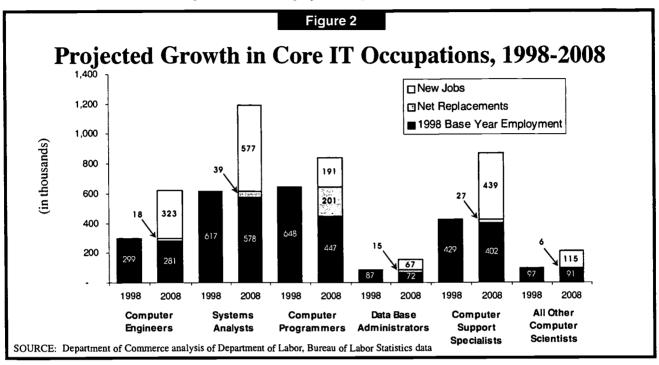
Systems analysts have the largest job growth of all occupations with a projected increase of 577,000, from 617,000 in 1998 to 1,194,000 in 2008, while the number of computer engineers is expected to grow 323,000 from 299,000 in 1998 to 622,000 in 2008. And though the number of computer programmers is expected to grow a comparatively modest 191,000 (from 649,000 in 1998 to 839,000 in 2008), 201,000 new computer programmers will be required to replace those exiting the occupation.



NOTE: The 1998-2008 projections incorporate survey coverage changes in the Occupational Employment Statistics (OES) Survey upon which BLS employment projections are based. As a result, the 1996-2006 and 1998-2008 employment projections are not strictly comparable for all categories of workers. Details on the changes and their impact on the current and projected counts of core IT workers can be found on page 4.



Previously, BLS counted computer scientists in aggregate. Viewed this way, the 1998-2008 projections for computer scientists (including database administrators, computer support specialists, and "all other computer scientists") would have the largest growth in jobs of all occupations, rising from 613,000 in 1996 to 1,236,000 in 2008, an increase of 621,000. The vast majority (439,000) of the increase in computer scientists is in the subcategory of computer support specialists, which BLS classifies as requiring only an associates degree, whereas BLS classifies each of the other core IT occupations as requiring bachelors degrees. The number of computer support specialists is projected to rise from 429,000 in 1998 to 869,000 in 2008. The number of database administrators is projected to grow from 87,000 to 155,000 during this period, while the number of "all other computer scientists" is projected to grow from 97,000 to 212,000.

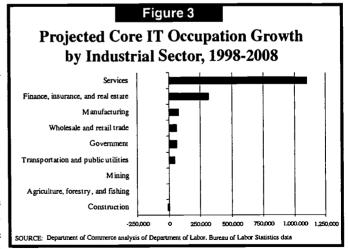


The service sector (not including transportation, public utilities, finance, insurance, real estate, and wholesale and retail trade) is expected to absorb the lion's share of all increases in these core information technology occupations. [Figure 3] By 2008, the service sector is expected to increase its employment of computer systems analysts, scientists, and engineers by 155 percent and computer programmers by 55 percent, or an overall core IT worker growth rate of 147 percent. In contrast, the number of computer scientists and engineers and systems analysts in the manufacturing sector is expected to grow much

more slowly (32 percent), while the number of computer programmers is expected to decrease by about 21 percent.

Certain industries are more IT worker intensive than others and thus, would be more affected by tight IT labor markets [Figure 4]. And the IT worker intensity of each of these industries is projected to grow through 2008. In the most IT worker intensive industry—computer and data processing services—it is projected that, by 2008, 49.7 percent of the industry's employees will be computer programmers, systems analysts and computer scientists and engineers.

However, IT worker intensity does not tell the whole story. The size of an industry's IT work force is an important consideration. For example, while the wholesale trade industry is projected to be less IT worker-intensive in 2008



than many other industries, the sheer size of its IT work force (135,608) would make tight markets for computer programmers, systems analysts, and computer scientists and engineers a troubling problem. When IT worker intensity and size of IT work force are taken together, a picture emerges as to which industries' competitive performance would be most adversely affected by difficulties hiring highly skilled IT workers [Figure 5]. The computer and data processing services industry stands out starkly as an industry with much at stake in the supply of IT workers.



#### Figure 4

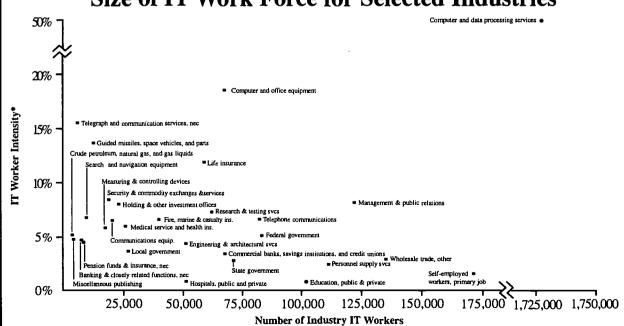
### **Industry IT Worker Intensity\***

1998				2008	
Rai	<u>ık</u> <u>Industry</u>	<u>%</u>	Ranl	<u>Industry</u>	<u>%</u>
1	Computer and data processing services	41.4%	1	Computer and data processing services	49.7%
2	Computer and office equipment	16.1%	2	Computer and office equipment	18.4%
3	Guided missiles, space vehicles, and parts	12.0%	3	Telegraph and communication services, nec	15.5%
4	Telegraph and communication services, nec	11.9%	4	Guided missiles, space vehicles, and parts	13.6%
5	Life insurance	9.4%	5	Life insurance	11.8%
6	Management and public relations	7.0%	6	Security & commodity exchanges & services	8.4%
7	Holding and other investment offices	6.0%	7	Management and public relations	8.1%
8	Security & commodity exchanges & services	6.0%	8	Holding and other investment offices	8.0%
9	Research and testing services	6.0%	9	Research and testing services	7.2%
10	Search and navigation equipment	6.0%	10	Search and navigation equipment	6.7%
11	Telephone communications	5.5%	11	Telephone communications	6.6%
12	Communications equipment	5.2%	12	Communications equipment	6.6%
13	Measuring and controlling devices	5.1%	13	Fire, marine, and casualty insurance	6.5%
14	Fire, marine, and casualty insurance	4.5%	14	Medical service and health insurance	6.0%
15	Medical service and health insurance	4.2%	15	Measuring and controlling devices	5.8%
16	Miscellaneous publishing	4.0%	16	Crude petroleum, natural gas, and gas liquids	5.2%
17	Pension funds and insurance, nec	3.8%	17	Federal government	5.1%
18	Engineering and architectural services	3.7%	18	Miscellaneous publishing	4.7%
19	Federal government	3.7%	19	Banking and closely related functions, nec	4.7%
20	Crude petroleum, natural gas, and gas liquids	3.7%	20	Engineering and architectural services	4.5%

\* Percent of industry workers that are computer scientists, computer engineers, computer programmers and systems analysts. nec = not elsewhere classified SOURCE: Department of Commerce analysis of Department of Labor, Bureau of Labor Statistics data

#### Figure 5

# Projected 2008 IT Worker Intensity vs. Size of IT Work Force for Selected Industries



\* "IT Worker Intensity" is the percentage of a given industry's workers that are computer scientists, computer engineers, computer programmers & systems analysts.

SOURCE: Department of Commerce analysis of Department of Labor, Bureau of Labor Statistics data



<sup>^ &</sup>quot;Stategovernment" and "Local government" numbers do not include education or hospital employees.

# How Do the States Stack Up in IT Employment?

The Office of Technology Policy will be releasing *The Digital Work Force: State Data and Rankings* in September 2000. This update\* will provide state data and rankings for each of the core IT occupations, including: the number employed, the average annual wages and the IT worker intensity (the share an occupation comprises of a state's work force). Here is a sampling from this report:

	Rank	Size of Work Force	Intensity	Average Annual Wages
All Core IT Occupations	1	California	Colorado	N/A**
•	2	Texas	Virginia	N/A**
	3	New York	Massachusetts	N/A**
Computer Engineers	1	California	Massachusetts	Massachusetts
•	2	Texas	Colorado	District of Columbia
	3	Massacusetts	Virginia	Oregon
Computer Programmers	1	California	Virginia	New Jersey
•	2	New York	Maryland	California
	3	.Texas	New Jersey	Massachusetts
Systems Analysts	1	California	Virginia	New Jersey
•	2	Texas	Maryland	Colorado
	3	New York	Delaware	Virginia
All Other Computer Scientists	1	California	Colorado	Maryland
-	2	New York	Minnesota	Delaware
	3	Illinois	Delaware	Pennsylvania
Database Administrators	1	California	District of Columbia	New York
	2	Texas	Colorado	New Jersey
	3	New York	Virginia	California
Computer Support Specialists	1	California	North Dakota	New Jersey
	2	Texas	Colorado	Connecticut
	3	New York	Washington	New York

<sup>\*</sup> Analysis based on 1998 Occupational Employment Statistics survey data from the U.S. Department of Labor, Bureau of Labor Statistics

For more information, please contact John Sargent, Senior Policy Analyst, Office of Technology Policy, U.S. Department of Commerce, at (202) 482-6033 or jsargent@ta.doc.gov

#### Methodological Changes Between the 1996-2006 Projection and the 1998-2008 Projection

In its 1998-2008 projections, the Bureau of Labor Statistics data reflect survey coverage changes in the Occupational Employment Statistics (OES) Survey upon which the agency's employment projections are based. Consequently, 1996-2006 and 1998-2008 employment projections are not strictly comparable for all categories of workers. In particular, the 1998-2008 employment projections contain changes that significantly affect current and projected counts of "core" IT workers.

First, unlike the 1996-2006 projections, BLS now provides subcategory counts for the three kinds of workers included in its "catchall" occupation category "database administrators, computer support specialists, and all other computer scientists." In our June 1999, The Digital Work Force: Building Infotech Skills at the Speed of Innovation, these subcategories were captured collectively as "computer scientists."

Second, growth in occupations between the two base years—1996 and 1998—reflects both real growth an methodological changes. The 1998-2008 projections substantially boost the number of workers included in the "catchall" occupation category from 212,000 in 1996 to 613,000 in 1998, an increase of nearly 190 percent. The newly available 1998 breakouts count 87,000 "database administrators," 429,000 "computer support specialists," and 97,000 "all other computer scientists." According to BLS, the vast bulk of the increase in the "catchall" category from 1996 to 1998 is due to the reclassification of workers as "computer support specialists" and only marginally due to actual growth in the numbers of workers in the three subcategories between 1996 and 1998. According to BLS, reclassified "computer support specialists" were likely previously categorized as other kinds of computer professionals, computer operators, or "all other professional workers." As a consequence of this reclassification, "computer support specialists" comprise 70 percent of the "catchall" category in the 1998-2008 projections, whereas they comprised only a minority of the category in the 1996-2006 projections.



<sup>\*\*</sup> N/A => Data not available.



# The Digital Work Force State Data & Rankings

OFFICE OF TECHNOLOGY POLICY

U.S. DEPARTMENT OF COMMERCE

#### California, Texas and New York lead Nation in number of core IT workers; Colorado, Virginia and Massacusetts have highest proportion of IT workers

Information technology is reshaping the global economy—enhancing productivity, spurring economic growth and creating jobs. Two-thirds of recent productivity growth in the United States is attributed to information technology. Information technology's share of the U.S. economy nearly doubled between 1977 and 1998. The number of people working in core IT occupations grew six times faster from 1983 to 1998 than the overall U.S. work force. And highly-skilled information technology jobs are projected to be among the fastest growing of all occupations over the next decade.

These trends have significant implications for U.S. competitiveness, American companies and universities, and policy makers at all levels of government. State and local government policies have played an important role in fostering the development of the Nation's technical work force and it is likely that states will play an increasingly important role in the years ahead. In the New Economy, a state or region's ability to attract capital and companies is integrally linked to the quality of its work force. Thus, a state's ability to grow, attract and retain these workers will have a significant impact on its economic development and the standard of living and quality of life of its citizens.

To provide decision makers with timely and relevant information, the Office of Technology has conducted analysis, held town meetings across the country, and produced several reports shedding light on the composition of the Nation's information technology work force, identifying the unique challenges the United States faces in meeting the high demand for these workers, and developing policy responses to these challenges.

In this latest report, the Office of Technology Policy presents the findings of its analysis of the most recent state occupational data (1998) from the Department of Labor's Bureau of Labor Statistics to provide a snapshot of the current composition of the Nation's IT work force at the state level and to assess the relative position of the states' core IT occupations.

Several indicators are used in this assessment including:

- Size of the Work Force—the number of workers employed in an occupation.
- Average Annual Wages—the estimated mean hourly wage of an occupation multiplied by 2,080 hours.
- State Intensity—the share an occupation comprises of a states' entire work force.
- State Index\*—the ratio of the State Intensity to the U.S. Intensity for an occupation, where the U.S. score would be 100. A state with an Index score of 200 would have an IT Intensity twice that of the nation as a whole' a state with an Index score of 50 would have an IT Intensity half that of the nation.

For the purpose of this analysis, the Office of Technology Policy defines the core information technology work force as being comprised of six occupations: computer engineers, computer programmers, systems analysts, database administra-

tors, computer support specialists and all other computer scientists.

This document includes seven tables with state rankings. Table 1 ranks the states based on the size and intensity of their total core information technology work. Tables 2 through 7 rank the states based on size, intensity and annual average wages for each of the core information technology occupations. Table 8 provides a list of states with their ordinal rankings in Tables 1 through 7.

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#### Prepared by

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Office of Technology Policy
Technology Admnistration
U.S. Department of Commerce

This document is intended to provide additional information to decision makers, but it is important to note that the data in this report provides a snapshot of the information technology work force in the states in 1998. This document does not assess trends, nor does it provide a qualitative analysis of each state's core IT work force.

Additional information on the Nation's information technology work force and other technology policy issues can be found at http://www.ta.doc.gov/reports



**Table 1. State Core Information Technology Employment** 

	State Rankings Size of Core IT Wor	-
		Core IT
Rank		Workers
	California	275,420
2	Texas	150,150
3	New York	137,660
	Illinois	114,800
5	Virginia	94,630
	Florida	91,970
7	New Jersey	90,010
8	Massachusetts	84,630
9	Pennsylvania	79,200
10	Ohio	71,670
11	Georgia	64,930
12	Michigan_	64,170
13	Maryland	61,560
14	Colorado	59,100
15	North Carolina	56,470
16	Minnesota	50,800
17	Washington	38,080
18	Missouri	37,560
19	Arizona	34,850
20	Wisconsin	33,180
21	Connecticut	33,100
22	Indiana	28,650
23	Tennessee	27,450
24	Oregon	24,390
25	Alabama	19,890
26	Utah	16,620
27	Oklahoma	16,600
28	Kentucky	16,360
29	lowa	16,280
30	Kansas	14,740
31	Nebraska	14,730
32	South Carolina	14,540
33	Louisiana	12,120
34	District of Columbia	7,960
35	New Hampshire	7,890
36	Delaware	7,700
37	New Mexico	7,210
38	Arkansas	6,910
39	Mississippi	6,340
40	Nevada	6,060
41	Idaho	5,610
	Puerto Rico	5,440
	Rhode Island	5,420
	Maine	4,770
	Hawaii	4,530
	North Dakota	4,280
	Vermont	4,210
48	West Virginia	3,940
49	South Dakota	3,890
50	Alaska	2,750
51	Montana	2,620
52	Wyoming	1,120
53	Guam	310
54	Virgin Islands	40

		nkings by ker Intensity	
Rank		Intensity	State Index US=100
	Colorado	2.94%	179
	Virginia	2.93%	178
	Massachusetts	2.71%	165
	Maryland	2.69%	163
5	New Jersey	2.42%	147
6	Delaware	2.20%	133
7	Connecticut	2.04%	124
8	Minnesota	2.03%	123
9	California	2.00%	121
10	Illinois	1.98%	120
_	District of Columbia	1.97%	120
	Georgia	1.77%	108
	Nebraska	1.75%	106
	Utah	1.71%	104
	New York	1.70%	103
	Arizona	1.70%	103
	Texas	1.70%	103
18	Oregon	1.61%	98
	Washington	1.60%	97
	Vermont	1.58%	96
21	North Carolina	1.52%	92
	Pennsylvania	1.47%	89
	Michigan	1.46%	89
	Missouri	1.45%	88
	North Dakota	1.45%	88
	New Hampshire	1.40%	85
	Florida	1.40%	85
	Ohio	1.32%	80
	Wisconsin	1.26%	77
30	Rhode Island	1.24%	75
31	Oklahoma	1.21%	74
32	Iowa	1.16%	71
33	South Dakota	1.16%	70
34	Kansas	1.15%	70
35	Alaska	1.10%	67
36	Idaho	1.10%	67
	Alabama	1.08%	66
38	New Mexico	1.08%	66
39	Tennessee	1.06%	64
	Indiana	1.00%	61
	Kentucky	0.97%	59
	Hawaii	0.94%	57
43	Maine	0.86%	52
44	South Carolina	0.84%	51
45	Montana	0.74%	45
46	Louisiana	0.67%	40
	Nevada	0.66%	40
48	Arkansas	0.63%	38
	Guam	0.61%	37
	Puerto Rico	0.60%	37
	West Virginia	0.60%	36
	Mississippi	0.58%	35
	Wyoming	0.53%	32
54	Virgin Islands	0.15%	9
	Core IT Worker Intensity	1.65%	100

SOURCE: Office of Technology Policy, U.S. Department of Commerce



Table 2. 1998 State Employment of Computer Engineers

#### State Rankings by **Number Employed** Size of State **Work Force** Rank California 54,090 2 Texas 23,070 Massachusetts 22,820 15,890 Virginia 15,470 5 Illinois 13,710 New York 6 12,580 New Jersey 12,290 8 Colorado 9 Pennsylvania 11,860 10 Florida 11,030 11 North Carolina 9,650 9,420 12 Maryland 8,850 13 Georgia 8,250 14 Michigan 15 Ohio 7,810 16 Minnesota 7,090 17 Washington 6,870 18 Connecticut 4,850 4,800 19 Arizona 3,970 20 Indiana 3,830 21 Oregon 2,980 Missouri 23 Alabama 2,970 2,650 24 Utah 25 Wisconsin 2,510 26 lowa 2,200 27 Tennessee 1,880 28 Kentucky 1,850 1,540 29 District of Columbia 1,320 30 Nebraska 31 Oklahoma 1,310 32 Idaho 1,050 33 New Mexico 960 34 Kansas 930 870 35 Rhode Island 870 36 | South Carolina 710 37 Mississippi

Annual Average wages					
nual					
rage					
ges					
6,680					
6,040					
5,330					
4,460					
4,020					
3,950					
2,560					
2,230					
2,120					
0,950					
0,540					
9,730					
9,590					
9,250					
9,230					
9,020					
8,860					
8,460					
8,350					
8,310					
8,210					
8,070					
7,960					
7,700					
7,330					
7,180					
6,070					
5,680					
5,590					
5,530					
5,010					
4,940					
4,240					
3,470					
3,200					
2,850					
2,440					
2,320					
2,160					
2,110					
1,910					
0,780					
50,570					
50,140					
50,020					
48,270					
48,080					
46,490					
45,560					
41,340					
38,170					
(*)					
(*)					
(*)					

State Rankings by Annual Average Wages

#### State Rankings by Intensity

Rank	State	Intensity	State Index US=100
1	Massachusetts	0.73%	304
2	Colorado	0.61%	254
3	Virginia	0.49%	204
4	Maryland	0.41%	171
5	California	0.39%	163
6	District of Columbia	0.38%	159
7	New Jersey	0.34%	141
8	Connecticut	0.30%	124
9	Washington	0.29%	120
10	Minnesota	0.28%	118
11	Utah	0.27%	113
12	Illinois	0.27%	111
13	Texas	0.26%	108
14	North Carolina	0.26%	108
15	Oregon	0.25%	105
16	Georgia	0.24%	100
17	Arizona	0.23%	97
18	Pennsylvania	0.22%	92
19	Idaho	0.21%	
20	Rhode Island	0.20%	83
21	Vermont	0.19%	
22	Michigan	0.19%	
23	New York	0.17%	
24	Florida	0.17%	
25	Alabama	0.16%	
26	lowa	0.16%	
27	Nebraska	0.16%	
28	New Mexico	0.14%	
29	Ohio	0.14%	60
30	Indiana	0.14%	57
31	Missouri	0.12%	48
32	Kentucky	0.11%	46
33	Wisconsin	0.10%	40
34	Oklahoma	0.10%	
35	Delaware	0.09%	39
36	Kansas	0.07%	30
37	Tennessee	0.07%	30
38	North Dakota	0.07%	28
39	Mississippi	0.06%	27
40	Hawaii	0.06%	
41	South Dakota	0.05%	22
42	Arkansas	0.05%	22
43	South Carolina	0.05%	
44	Maine	0.05%	
45	Alaska	0.04%	
46	West Virginia	0.04%	
47	Louisiana	0.03%	
48	Montana	0.03%	
49	Nevada	0.03%	
50	Puerto Rico	0.02%	
51	Wyoming	0.01%	
52	New Hampshire	(*	
53	Guam	(*	) (*)
54	Virgin Islands	(*	)  (*)
		<u> </u>	

CE: Office of Technology Policy, U.S. Department of Commerce

590

580

510

330

300

260

240

230

200

180 140

100

100

30

EKICa not available

38

39

40

41

42

44

45

47

48

49

50

51

52

Louisiana

Arkansas

Vermont

Delaware

West Virginia

South Dakota

Puerto Rico

Wyoming

**New Hampshire** 

Hawaii

Nevada North Dakota

Alaska Montana

Guam Virgin Islands

43 | Maine

**Table 3. 1998 State Employment of Computer Programmers** 

# State Rankings by

Number Employed			
Rank	State	Size of Work Force	
1	California	75,560	
2	New York	45,500	
3	Texas	38,520	
4	Illinois	37,330	
5	Virginia	26,960	
6	New Jersey	26,770	
7	Florida	24,780	
8	Ohio	21,820	
9	Massachusetts	19,490	
10	Pennsylvania	19350	
11	Michigan	18,780	
12	Georgia	17,240	
13	Maryland	16,550	
14	North Carolina	16,070	
15	Colorado	14,300	
16	Missouri	13,370	
17	Washington	12,990	
18	Minnesota	11,750	
19	Arizona	10,320	
20	Wisconsin	10040	
21	Connecticut	8,840	
22	Tennessee	8,680	
23	Indiana	7,090	
24	Alabama	5,550	
. 25	Oregon	5,450	
26	Oklahoma	5,160	
27	Nebraska	4,940	
28	lowa	4,850	
29	South Carolina	4,690	
30	Kansas	4,530	
31	Louisiana	4,070	
32	Utah	3,900	
33	Kentucky	3300	
34	New Hampshire	2,760	
35	District of Columbia	2,560	
36	Mississippi	2,230	
37	Puerto Rico	2160	
38	Nevada	1,980	
39	Arkansas	1,860	
40	Rhode Island	1,860	
41	Delaware	1,730	
42	New Mexico	1,330	
43	Vermont	1,240	
44	Hawaii	1,120	
45	Maine	1,060	
46	Alaska	1,000	
47	West Virginia	970	
48	Idaho	960	
49	South Dakota	920	
50	Montana	700	
51	North Dakota	550	
52	Wyoming	470	
53	Guam Virgin Islanda	100	
54	Virgin Islands	(*)	

#### State Rankings by **Annual Average Wages**

Rank	State	A V	Annual Average Wages	
1	New Jersey	\$	61,530	
2	California	\$	60,720	
3	Massachusetts	\$	59,890	
4	Connecticut	\$	59,060	
5	New York	\$	57,660	
6	Maryland	\$	57,120	
7	Georgia	\$	55,630	
8	New Hampshire	\$	54,550	
9	Arizona	\$	54,430	
10	North Carolina	\$	54,070	
11	Colorado	\$	53,970	
12	Delaware	\$	53,680	
13	Texas	\$	53,030	
14	Washington	\$	52,970	
15	Alaska	\$	51,860	
16	Michigan	\$	51,740	
17	Oregon	\$	51,610	
18	Pennsylvania	\$	51,380	
19	Tennessee	\$	51,210	
20	Illinois	\$	51,010	
21	Rhode Island	\$	50,140	
22	District of Columbia	\$	50,100	
23	Missouri	\$	49,920	
24	Oklahoma	\$	49,610	
25	Nevada	\$	49,270	
26	Virginia	<del> </del>	49,130	
27	Minnesota	\$	48,840	
28	Ohio	<del>*</del>	48,420	
29	Florida	<del>\$</del>	47,970	
30	Utah	\$	47,530	
31	Kansas	\$	47,300	
32	Wisconsin	\$	47,130	
33	South Carolina	\$	46,860	
34	Vermont	\$	46,200	
35	Alabama	\$	46,180	
36	Idaho	\$	46,180	
37	Nebraska	\$	46,030	
38	New Mexico	\$	45,030	
39	Indiana	\$	44,910	
40	Arkansas	\$	44,350	
41	Louisiana	\$	43,730	
42	Maine	\$	43,590	
43	lowa	\$	42,960	
44	Hawaii	\$	42,710	
45	Guam	\$	41,610	
46	Kentucky	\$	41,220	
47	Montana	\$	39,740	
48	West Virginia	\$	39,180	
49	Mississippi	\$	39,040	
50	North Dakota	\$	39,040	
51	South Dakota	\$	37,330	
51	Wyoming South Dakota	\$	34,670	
53	Puerto Rico	\$	29,120	
53	Virgin Islands	+*	(*)	
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## State Rankings by

	State Rankings by Intensity			
Rank	State	Intensity	State Index US=100	
1	Virginia	0.83%	180	
2	Maryland	0.72%	156	
3	New Jersey	0.72%	155	
4	Colorado	0.71%	153	
5	Illinois	0.64%	138	
6	District of Columbia	0.63%	137	
7	Massachusetts	0.62%	135	
8	Nebraska	0.59%	127	
9	New York	0.56%	121	
10	California	0.55%	118	
11	Washington	0.55%	118	
12	Connecticut	0.54%	117	
13	Missouri	0.52%	. 111	
14	Arizona	0.50%	108	
15	Delaware	0.49%	106	
16	New Hampshire	0.49%	106	
17	Georgia	0.47%	101	
18	Minnesota	0.47%	101	
19	Vermont	0.47%	100	
20	Texas	0.44%	94	
21	North Carolina	0.43%	93	
22	Michigan	0.43%	92	
23	Rhode Island	0.43%	92	
24	Ohio	0.40%	87	
25	Alaska	0.40%	86	
26	Utah	0.40%	86	
27 28	Wisconsin	0.38%	82 81	
29	Florida Oklahoma	0.38%	81	
30	Oregon	0.36%	78	
31	Pennsylvania	0.36%	77	
32	Kansas	0.35%	76	
33	Iowa	0.35%	75	
34	Tennessee	0.34%	72	
35	Alabama	0.30%		
36	South Dakota	0.27%	59	
37	South Carolina	0.27%	59	
38	Indiana	0.25%	53	
39	Puerto Rico	0.24%	52	
40	Hawaii	0.23%	50	
41	Louisiana	0.22%	48	
42	Wyoming	0.22%	47	
43	Nevada	0.22%	47	
44	Mississippi	0.20%	44	
45	New Mexico	0.20%	43	
46	Guam	0.20%	42	
47	Montana	0.20%	42	
48	Kentucky	0.20%	42	
49	Maine	0.19%	41	
50	Idaho	0.19%	40	
51	North Dakota	0.19%	40	
52	Arkansas	0.17%	37	
53	West Virginia	0.15%		
54	Virgin Islands	(*)	(*)	

RCE: Office of Technology Policy, U.S. Department of Commerce

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Table 4. 1998 State Employment of Systems Analysts

#### Ranking by **Number Employed** Number **Employed** Rank State California 59,720 40,920 2 Texas 3 New York 34,880 4 31,670 Illinois 5 Virginia 29,890 6 New Jersey 26,110 7 Florida 25,320 21,980 8 Pennsylvania 21,010 9 Michigan 18,890 10 Ohio 18,820 11 Maryland 18,110 12 Georgia 13 Massachusetts 17,730 14 Minnesota 15,870 15 North Carolina 13,340 11,880 16 Colorado Connecticut 17 10,280 9610 18 Wisconsin 9,140 19 Missouri 8,500 20 Arizona 21 Indiana 8,460 22 Tennessee 7,660 5,890 23 Alabama 5,680 24 Kentucky 25 4,790 Oregon South Carolina 4,690 26 4,090 27 Oklahoma Nebraska 4,070 29 Louisiana 3,810 30 lowa 3,590 31 Kansas 3,510 32 Utah 3,250 33 Delaware 2,530 34 New Hampshire 2,340 2,270 35 New Mexico 36 Arkansas 1,750 37 Mississippi 1,710 38 | Hawaii 1,620 1470 39 Puerto Rico 40 West Virginia 1,460 1,380 41 Maine 42 Idaho 1,270 43 Nevada 1,190 Rhode Island 1,180 730 45 Vermont 46 Alaska 710 700 47 Montana 680 48 | South Dakota 470 49 North Dakota 50 Wyoming 210

Annual Average Wages			
Rank	State	Annual Average Wages	
1	New Jersey	61,880	
2	Colorado	60,750	
3	Virginia	59,350	
4	New York	58,990	
5	Connecticut	58,860	
6	Minnesota	57,860	
7	Massachusetts	57,020	
8	California	56,280	
9	Maryland	55,950	
10	Missouri	55,400	
11	Georgia	54,100	
12	Alaska	53,950	
13	Oregon	53,950	
14	Delaware	53,720	
15	Rhode Island	53,260	
16	New Hampshire	52,640	
17	Illinois	52,450	
18	Texas	51,710	
19	Maine	51,570	
20	Kansas	51,540	
21	North Carolina	51,450	
22	Pennsylvania	51,420	
23	Arizona	51,370	
24	South Dakota	50,870	
25	Indiana	50,830	
26	New Mexico	50,580	
27	Florida	50,440	
28	Vermont	50,230	
29	Nevada	50,190	
30	Oklahoma	50,100	
31	Ohio	49,930	
32 33	Alabama	49,860	
33	Kentucky	49,720 49550	
35	Wisconsin Nebraska	48,940	
36	Michigan	48,750	
37	Idaho	48,730	
38	Utah	48,250	
39	Hawaii	48,230	
40	West Virginia	47,760	
41	lowa	47,700	
42	South Carolina	47,030	
43	Tennessee	46,660	
44	Louisiana	45,920	
45	Mississippi	44,390	
46	Montana	40,740	
47	Guam	40730	
48	Wyoming	40630	
49	Arkansas	39,360	
50	North Dakota	35,750	
51	Puerto Rico	34630	
52	District of Columbia	(*)	
53	Washington	+ *	
54	Virgin Islands	<del>-          -</del>	
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Ranking by

State   Intensity		Ranking by Intensity						
2 Maryland         0.82%         194           3 Delaware         0.72%         170           4 New Jersey         0.70%         166           5 Minnesota         0.64%         150           6 Connecticut         0.63%         149           7 Colorado         0.59%         139           8 Massachusetts         0.57%         134           9 Illinois         0.54%         128           10 Georgia         0.49%         116           11 Nebraska         0.48%         114           12 Michigan         0.48%         113           13 Texas         0.46%         109           14 California         0.43%         102           15 New York         0.43%         102           16 New Hampshire         0.42%         98           17 Arizona         0.41%         96           19 Florida         0.38%         91           20 Wisconsin         0.37%         86           21 North Carolina         0.36%         85           22 Missouri         0.35%         82           24 New Mexico         0.34%         80           25 Kentucky         0.34%         79	Rank	State	Intensity	Index US=100				
3   Delaware   0.72%   170   4   New Jersey   0.70%   166   5   Minnesota   0.64%   150   6   Connecticut   0.63%   149   7   Colorado   0.59%   139   8   Massachusetts   0.57%   134   9   Illinois   0.54%   128   10   Georgia   0.49%   116   11   Nebraska   0.48%   114   12   Michigan   0.48%   113   13   Texas   0.46%   109   14   California   0.43%   102   15   New York   0.43%   102   15   New Hampshire   0.42%   98   17   Arizona   0.41%   98   18   Pennsylvania   0.41%   96   19   Florida   0.38%   91   20   Wisconsin   0.37%   86   21   North Carolina   0.36%   85   22   Missouri   0.35%   83   23   Ohio   0.35%   82   24   New Mexico   0.34%   79   26   Hawaii   0.34%   79   27   Utah   0.33%   70   70   70   70   70   70   70   7	1	Virginia		218				
4 New Jersey 0.70% 166 5 Minnesota 0.64% 150 6 Connecticut 0.63% 149 7 Colorado 0.59% 139 8 Massachusetts 0.57% 134 9 Illinois 0.54% 128 10 Georgia 0.49% 116 11 Nebraska 0.48% 111 12 Michigan 0.48% 113 13 Texas 0.46% 109 14 California 0.43% 102 15 New York 0.43% 102 16 New Hampshire 0.42% 98 17 Arizona 0.41% 98 18 Pennsylvania 0.41% 96 19 Florida 0.38% 91 20 Wisconsin 0.37% 86 21 North Carolina 0.36% 85 22 Missouri 0.35% 82 24 New Mexico 0.35% 82 24 New Mexico 0.34% 79 25 Kentucky 0.34% 79 26 Hawaii 0.34% 79 27 Utah 0.33% 79 28 Alabama 0.32% 76 29 Oregon 0.32% 75 30 Oklahoma 0.30% 70 31 Tennessee 0.30% 70 32 Indiana 0.29% 69 33 Alaska 0.28% 67 34 Vermont 0.27% 65 35 Kansas 0.27% 65 36 South Carolina 0.25% 59 41 Idaho 0.25% 59 42 West Virginia 0.22% 52 43 Louisiana 0.26% 60 40 Maine 0.25% 59 41 Idaho 0.25% 59 44 South Dakota 0.26% 60 40 Maine 0.25% 59 41 Idaho 0.25% 59 44 South Dakota 0.26% 60 40 Maine 0.25% 59 41 Idaho 0.25% 59 44 South Dakota 0.20% 46 46 Puerto Rico 0.16% 38 47 Arkansas 0.16% 38 48 North Dakota 0.20% 46 46 Puerto Rico 0.16% 38 47 Arkansas 0.16% 38 48 North Dakota 0.16% 37 50 Nevada 0.13% 31 51 Wyoming 0.16% 37 50 Nevada 0.13% 31 51 Wyoming 0.16% 37 52 District of Columbia (*) (*) (*)	2	Maryland	0.82%	194				
5 Minnesota         0.64%         150           6 Connecticut         0.63%         149           7 Colorado         0.59%         139           8 Massachusetts         0.57%         134           9 Illinois         0.54%         128           10 Georgia         0.49%         116           11 Nebraska         0.48%         114           12 Michigan         0.48%         113           13 Texas         0.46%         109           14 California         0.43%         102           15 New York         0.43%         102           16 New Hampshire         0.42%         98           17 Arizona         0.41%         98           18 Pennsylvania         0.41%         96           19 Florida         0.38%         91           20 Wisconsin         0.37%         86           21 North Carolina         0.36%         85           22 Missouri         0.35%         82           23 Ohio         0.35%         82           24 New Mexico         0.34%         79           25 Kentucky         0.34%         79           26 Hawaii         0.34%         79 <t< td=""><td>3</td><td>Delaware</td><td>0.72%</td><td>170</td></t<>	3	Delaware	0.72%	170				
6 Connecticut	4	New Jersey	0.70%	166				
7         Colorado         0.59%         139           8         Massachusetts         0.57%         134           9         Illinois         0.54%         128           10         Georgia         0.49%         116           11         Nebraska         0.48%         114           12         Michigan         0.48%         109           13         Texas         0.46%         109           14         California         0.43%         102           15         New York         0.43%         102           16         New Hampshire         0.42%         98           17         Arizona         0.41%         98           18         Pennsylvania         0.41%         96           19         Florida         0.38%         91           20         Wisconsin         0.37%         86           21         North Carolina         0.36%         85           22         Missouri         0.35%         82           23         Ohio         0.35%         82           24         New Mexico         0.34%         80           25         Kentucky         0.34%	5	Minnesota	0.64%	150				
8 Massachusetts         0.57%         134           9 Illinois         0.54%         128           10 Georgia         0.49%         116           11 Nebraska         0.48%         114           12 Michigan         0.48%         109           14 California         0.43%         102           15 New York         0.43%         102           16 New Hampshire         0.42%         98           17 Arizona         0.41%         98           18 Pennsylvania         0.41%         96           19 Florida         0.38%         91           20 Wisconsin         0.37%         86           21 North Carolina         0.36%         85           22 Missouri         0.35%         82           24 New Mexico         0.34%         80           25 Kentucky         0.34%         79           26 Hawaii         0.34%         79           27 Utah         0.33%         79           28 Alabama         0.32%         76           29 Oregon         0.32%         75           30 Oklahoma         0.30%         70           31 Tennessee         0.30%         70           32	6	Connecticut	0.63%	149				
8 Massachusetts         0.57%         134           9 Illinois         0.54%         128           10 Georgia         0.49%         116           11 Nebraska         0.48%         114           12 Michigan         0.48%         102           13 Texas         0.46%         109           14 California         0.43%         102           15 New York         0.43%         102           16 New Hampshire         0.42%         98           17 Arizona         0.41%         98           18 Pennsylvania         0.41%         96           19 Florida         0.38%         91           20 Wisconsin         0.37%         86           21 North Carolina         0.36%         85           22 Missouri         0.35%         82           23 Ohio         0.35%         82           24 New Mexico         0.34%         80           25 Kentucky         0.34%         79           26 Hawaii         0.34%         79           27 Utah         0.33%         79           28 Alabama         0.32%         76           29 Oregon         0.32%         75           30 Oklaho	7	Colorado ·	0.59%	139				
10         Georgia         0.49%         116           11         Nebraska         0.48%         114           12         Michigan         0.48%         113           13         Texas         0.46%         109           14         California         0.43%         102           15         New York         0.43%         102           15         New York         0.43%         102           16         New Hampshire         0.42%         98           17         Arizona         0.41%         98           18         Pennsylvania         0.41%         96           19         Florida         0.38%         91           20         Wisconsin         0.38%         91           20         Wisconsin         0.36%         85           21         North Carolina         0.36%         85           22         Missouri         0.35%         82           24         New Mexico         0.34%         80           25         Kentucky         0.34%         79           26         Hawaii         0.34%         79           27         Utah         0.33%	8		0.57%	134				
11         Nebraska         0.48%         114           12         Michigan         0.48%         113           13         Texas         0.46%         109           14         California         0.43%         102           15         New York         0.43%         102           16         New Hampshire         0.42%         98           17         Arizona         0.41%         98           18         Pennsylvania         0.41%         96           19         Florida         0.38%         91           20         Wisconsin         0.38%         91           20         Wisconsin         0.36%         85           21         North Carolina         0.36%         85           22         Missouri         0.35%         83           23         Ohio         0.35%         82           24         New Mexico         0.34%         80           25         Kentucky         0.34%         79           26         Hawaii         0.34%         79           27         Utah         0.33%         79           28         Alabama         0.32%	9	Illinois	0.54%	128				
11         Nebraska         0.48%         114           12         Michigan         0.48%         113           13         Texas         0.46%         109           14         California         0.43%         102           15         New York         0.43%         102           16         New Hampshire         0.42%         98           17         Arizona         0.41%         98           18         Pennsylvania         0.41%         96           19         Florida         0.38%         91           20         Wisconsin         0.38%         91           20         Wisconsin         0.36%         85           21         North Carolina         0.36%         85           22         Missouri         0.35%         83           23         Ohio         0.35%         82           24         New Mexico         0.34%         80           25         Kentucky         0.34%         79           26         Hawaii         0.34%         79           27         Utah         0.33%         79           28         Alabama         0.32%	10	Georgia	0.49%					
12         Michigan         0.48%         113           13         Texas         0.46%         109           14         California         0.43%         102           15         New York         0.43%         102           16         New Hampshire         0.42%         98           17         Arizona         0.41%         98           18         Pennsylvania         0.41%         96           19         Florida         0.38%         91           20         Wisconsin         0.37%         86           21         North Carolina         0.36%         85           22         Missouri         0.35%         83           23         Ohio         0.35%         82           24         New Mexico         0.34%         80           25         Kentucky         0.34%         79           26         Hawaii         0.34%         79           27         Utah         0.33%         79           28         Alabama         0.32%         76           29         Oregon         0.32%         75           30         Oklahoma         0.30%         70 </td <td>11</td> <td></td> <td></td> <td>114</td>	11			114				
13         Texas         0.46%         109           14         California         0.43%         102           15         New York         0.43%         102           16         New Hampshire         0.42%         98           17         Arizona         0.41%         98           18         Pennsylvania         0.41%         96           19         Florida         0.38%         91           20         Wisconsin         0.37%         86           21         North Carolina         0.36%         85           22         Missouri         0.35%         83           23         Ohio         0.35%         82           24         New Mexico         0.34%         80           25         Kentucky         0.34%         79           26         Hawaii         0.34%         79           27         Utah         0.33%         79           28         Alabama         0.32%         76           29         Oregon         0.32%         75           30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70 </td <td>12</td> <td>Michigan</td> <td></td> <td>113</td>	12	Michigan		113				
14         California         0.43%         102           15         New York         0.43%         102           16         New Hampshire         0.42%         98           17         Arizona         0.41%         98           18         Pennsylvania         0.41%         96           19         Florida         0.38%         91           20         Wisconsin         0.37%         86           21         North Carolina         0.36%         85           22         Missouri         0.35%         82           24         New Mexico         0.34%         80           25         Kentucky         0.34%         79           26         Hawaii         0.34%         79           27         Utah         0.33%         79           28         Alabama         0.32%         76           29         Oregon         0.32%         75           30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         6								
15         New York         0.43%         102           16         New Hampshire         0.42%         98           17         Arizona         0.41%         98           18         Pennsylvania         0.41%         96           19         Florida         0.38%         91           20         Wisconsin         0.37%         86           21         North Carolina         0.36%         85           22         Missouri         0.35%         82           24         New Mexico         0.34%         80           25         Kentucky         0.34%         79           26         Hawaii         0.34%         79           27         Utah         0.33%         79           28         Alabama         0.32%         76           29         Oregon         0.32%         75           30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65 <td></td> <td></td> <td></td> <td></td>								
16         New Hampshire         0.42%         98           17         Arizona         0.41%         98           18         Pennsylvania         0.41%         96           19         Florida         0.38%         91           20         Wisconsin         0.37%         86           21         North Carolina         0.36%         85           22         Missouri         0.35%         82           24         New Mexico         0.34%         80           25         Kentucky         0.34%         79           26         Hawaii         0.34%         79           27         Utah         0.33%         79           28         Alabama         0.32%         76           29         Oregon         0.32%         75           30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65           35         Kansas         0.27%         65								
17         Arizona         0.41%         98           18         Pennsylvania         0.41%         96           19         Florida         0.38%         91           20         Wisconsin         0.37%         86           21         North Carolina         0.36%         85           22         Missouri         0.35%         82           24         New Mexico         0.34%         80           25         Kentucky         0.34%         79           26         Hawaii         0.34%         79           27         Utah         0.33%         79           28         Alabama         0.32%         76           29         Oregon         0.32%         75           30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65           35         Kansas         0.27%         64           37         Rhode Island         0.27%         64								
18         Pennsylvania         0.41%         96           19         Florida         0.38%         91           20         Wisconsin         0.37%         86           21         North Carolina         0.36%         85           22         Missouri         0.35%         82           23         Ohio         0.35%         82           24         New Mexico         0.34%         80           25         Kentucky         0.34%         79           26         Hawaii         0.34%         79           27         Utah         0.33%         79           28         Alabama         0.32%         76           29         Oregon         0.32%         75           30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65           35         Kansas         0.27%         65           36         South Carolina         0.27%         64	_							
19         Florida         0.38%         91           20         Wisconsin         0.37%         86           21         North Carolina         0.36%         85           22         Missouri         0.35%         82           23         Ohio         0.35%         82           24         New Mexico         0.34%         80           25         Kentucky         0.34%         79           26         Hawaii         0.34%         79           26         Hawaii         0.34%         79           27         Utah         0.33%         79           28         Alabama         0.32%         76           29         Oregon         0.32%         75           30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65           35         Kansas         0.27%         65           36         South Carolina         0.27%         64 <td></td> <td></td> <td></td> <td></td>								
20         Wisconsin         0.37%         86           21         North Carolina         0.36%         85           22         Missouri         0.35%         83           23         Ohio         0.35%         82           24         New Mexico         0.34%         80           25         Kentucky         0.34%         79           26         Hawaii         0.34%         79           27         Utah         0.33%         79           28         Alabama         0.32%         76           29         Oregon         0.32%         75           30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65           35         Kansas         0.27%         65           36         South Carolina         0.27%         64           37         Rhode Island         0.27%         64           38         Iowa         0.26%         60     <								
21         North Carolina         0.36%         85           22         Missouri         0.35%         83           23         Ohio         0.35%         82           24         New Mexico         0.34%         80           25         Kentucky         0.34%         79           26         Hawaii         0.34%         79           27         Utah         0.33%         79           28         Alabama         0.32%         76           29         Oregon         0.32%         75           30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65           35         Kansas         0.27%         65           36         South Carolina         0.27%         64           37         Rhode Island         0.27%         64           38         Iowa         0.26%         60           39         Guam         0.26%         60								
22         Missouri         0.35%         83           23         Ohio         0.35%         82           24         New Mexico         0.34%         80           25         Kentucky         0.34%         79           26         Hawaii         0.34%         79           27         Utah         0.33%         79           28         Alabama         0.32%         76           29         Oregon         0.32%         75           30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65           35         Kansas         0.27%         65           36         South Carolina         0.27%         64           37         Rhode Island         0.27%         64           38         Iowa         0.26%         60           39         Guam         0.26%         60           40         Maine         0.25%         59								
23         Ohio         0.35%         82           24         New Mexico         0.34%         80           25         Kentucky         0.34%         79           26         Hawaii         0.34%         79           27         Utah         0.33%         79           28         Alabama         0.32%         76           29         Oregon         0.32%         75           30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65           35         Kansas         0.27%         65           36         South Carolina         0.27%         64           37         Rhode Island         0.27%         64           38         Iowa         0.26%         60           39         Guam         0.26%         60           40         Maine         0.25%         59           41         Idaho         0.25%         59	_							
24         New Mexico         0.34%         79           25         Kentucky         0.34%         79           26         Hawaii         0.34%         79           27         Utah         0.33%         79           28         Alabama         0.32%         76           29         Oregon         0.32%         75           30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65           35         Kansas         0.27%         65           36         South Carolina         0.27%         64           37         Rhode Island         0.27%         64           38         Iowa         0.26%         60           39         Guam         0.26%         60           40         Maine         0.25%         59           41         Idaho         0.25%         59           42         West Virginia         0.22%         52								
25         Kentucky         0.34%         79           26         Hawaii         0.34%         79           27         Utah         0.33%         79           28         Alabama         0.32%         76           29         Oregon         0.32%         75           30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65           35         Kansas         0.27%         65           36         South Carolina         0.27%         64           37         Rhode Island         0.27%         64           38         Iowa         0.26%         60           39         Guam         0.26%         60           40         Maine         0.25%         59           41         Idaho         0.25%         59           42         West Virginia         0.22%         52           43         Louisiana         0.21%         49								
26         Hawaii         0.34%         79           27         Utah         0.33%         79           28         Alabama         0.32%         76           29         Oregon         0.32%         75           30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65           35         Kansas         0.27%         65           36         South Carolina         0.27%         64           37         Rhode Island         0.27%         64           38         Iowa         0.26%         60           39         Guam         0.26%         60           40         Maine         0.25%         59           41         Idaho         0.25%         59           42         West Virginia         0.22%         52           43         Louisiana         0.21%         49           44         South Dakota         0.20%         48								
27         Utah         0.33%         79           28         Alabama         0.32%         76           29         Oregon         0.32%         75           30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65           35         Kansas         0.27%         65           36         South Carolina         0.27%         64           37         Rhode Island         0.27%         64           38         Iowa         0.26%         60           39         Guam         0.26%         60           40         Maine         0.25%         59           41         Idaho         0.25%         59           42         West Virginia         0.22%         52           43         Louisiana         0.21%         49           44         South Dakota         0.20%         48           45         Montana         0.20%         46								
28         Alabama         0.32%         76           29         Oregon         0.32%         75           30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65           35         Kansas         0.27%         65           36         South Carolina         0.27%         64           37         Rhode Island         0.27%         64           38         Iowa         0.26%         60           39         Guam         0.26%         60           40         Maine         0.25%         59           41         Idaho         0.25%         59           42         West Virginia         0.22%         52           43         Louisiana         0.21%         49           44         South Dakota         0.20%         48           45         Montana         0.20%         46           46         Puerto Rico         0.16%         38								
29         Oregon         0.32%         75           30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65           35         Kansas         0.27%         65           36         South Carolina         0.27%         64           37         Rhode Island         0.27%         64           38         Iowa         0.26%         60           39         Guam         0.26%         60           40         Maine         0.25%         59           41         Idaho         0.25%         59           42         West Virginia         0.22%         52           43         Louisiana         0.21%         49           44         South Dakota         0.20%         48           45         Montana         0.20%         46           46         Puerto Rico         0.16%         38           48         North Dakota         0.16%         37 <td></td> <td></td> <td></td> <td></td>								
30         Oklahoma         0.30%         70           31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65           35         Kansas         0.27%         65           36         South Carolina         0.27%         64           37         Rhode Island         0.27%         64           38         Iowa         0.26%         60           39         Guam         0.26%         60           40         Maine         0.25%         59           41         Idaho         0.25%         59           42         West Virginia         0.22%         52           43         Louisiana         0.21%         49           44         South Dakota         0.20%         48           45         Montana         0.20%         46           46         Puerto Rico         0.16%         38           47         Arkansas         0.16%         37           49         Mississispipi         0.16%         37	_							
31         Tennessee         0.30%         70           32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65           35         Kansas         0.27%         65           36         South Carolina         0.27%         64           37         Rhode Island         0.27%         64           38         Iowa         0.26%         60           39         Guam         0.26%         60           40         Maine         0.25%         59           41         Idaho         0.25%         59           42         West Virginia         0.22%         52           43         Louisiana         0.21%         49           44         South Dakota         0.20%         48           45         Montana         0.20%         46           46         Puerto Rico         0.16%         38           47         Arkansas         0.16%         37           49         Mississispipi         0.16%         37           50         Nevada         0.13%         31 </td <td></td> <td></td> <td></td> <td></td>								
32         Indiana         0.29%         69           33         Alaska         0.28%         67           34         Vermont         0.27%         65           35         Kansas         0.27%         65           36         South Carolina         0.27%         64           37         Rhode Island         0.27%         64           38         Iowa         0.26%         60           39         Guam         0.26%         60           40         Maine         0.25%         59           41         Idaho         0.25%         59           42         West Virginia         0.22%         52           43         Louisiana         0.21%         49           44         South Dakota         0.20%         48           45         Montana         0.20%         46           46         Puerto Rico         0.16%         38           47         Arkansas         0.16%         38           48         North Dakota         0.16%         37           49         Mississispipi         0.16%         37           50         Nevada         0.13%         3								
33       Alaska       0.28%       67         34       Vermont       0.27%       65         35       Kansas       0.27%       65         36       South Carolina       0.27%       64         37       Rhode Island       0.27%       64         38       Iowa       0.26%       60         39       Guam       0.26%       60         40       Maine       0.25%       59         41       Idaho       0.25%       59         42       West Virginia       0.22%       52         43       Louisiana       0.21%       49         44       South Dakota       0.20%       48         45       Montana       0.20%       46         46       Puerto Rico       0.16%       38         47       Arkansas       0.16%       38         48       North Dakota       0.16%       37         49       Mississispipi       0.16%       37         50       Nevada       0.13%       31         51       Wyoming       0.10%       23         52       District of Columbia       (*)       (*)       (*)     <				_				
34         Vermont         0.27%         65           35         Kansas         0.27%         65           36         South Carolina         0.27%         64           37         Rhode Island         0.27%         64           38         Iowa         0.26%         60           39         Guam         0.26%         60           40         Maine         0.25%         59           41         Idaho         0.25%         59           42         West Virginia         0.22%         52           43         Louisiana         0.21%         49           44         South Dakota         0.20%         48           45         Montana         0.20%         46           46         Puerto Rico         0.16%         38           47         Arkansas         0.16%         38           48         North Dakota         0.16%         37           49         Mississispipi         0.16%         37           50         Nevada         0.13%         31           51         Wyoming         0.10%         23           52         District of Columbia         (*)	<u> </u>							
35         Kansas         0.27%         65           36         South Carolina         0.27%         64           37         Rhode Island         0.26%         60           38         Iowa         0.26%         60           39         Guam         0.26%         60           40         Maine         0.25%         59           41         Idaho         0.25%         59           42         West Virginia         0.22%         52           43         Louisiana         0.21%         49           44         South Dakota         0.20%         48           45         Montana         0.20%         46           46         Puerto Rico         0.16%         38           47         Arkansas         0.16%         37           49         Mississispipi         0.16%         37           50         Nevada         0.13%         31           51         Wyoming         0.10%         23           52         District of Columbia         (*)         (*)         (*)           53         Washington         (*)         (*)         (*)								
36         South Carolina         0.27%         64           37         Rhode Island         0.27%         64           38         Iowa         0.26%         60           39         Guam         0.26%         60           40         Maine         0.25%         59           41         Idaho         0.25%         59           42         West Virginia         0.22%         52           43         Louisiana         0.21%         49           44         South Dakota         0.20%         48           45         Montana         0.20%         46           46         Puerto Rico         0.16%         38           47         Arkansas         0.16%         38           48         North Dakota         0.16%         37           49         Mississispipi         0.16%         37           50         Nevada         0.13%         31           51         Wyoming         0.10%         23           52         District of Columbia         (*)         (*)         (*)           53         Washington         (*)         (*)         (*)								
37         Rhode Island         0.27%         64           38         Iowa         0.26%         60           39         Guam         0.26%         60           40         Maine         0.25%         59           41         Idaho         0.25%         59           42         West Virginia         0.22%         52           43         Louisiana         0.21%         49           44         South Dakota         0.20%         48           45         Montana         0.20%         46           46         Puerto Rico         0.16%         38           47         Arkansas         0.16%         37           49         Mississispipi         0.16%         37           50         Nevada         0.13%         31           51         Wyoming         0.10%         23           52         District of Columbia         (*)         (*)           53         Washington         (*)         (*)								
38 Iowa         0.26%         60           39 Guam         0.26%         60           40 Maine         0.25%         59           41 Idaho         0.25%         59           42 West Virginia         0.22%         52           43 Louisiana         0.21%         49           44 South Dakota         0.20%         48           45 Montana         0.20%         46           46 Puerto Rico         0.16%         38           47 Arkansas         0.16%         38           48 North Dakota         0.16%         37           49 Mississispipi         0.16%         37           50 Nevada         0.13%         31           51 Wyoming         0.10%         23           52 District of Columbia         (*)         (*)           53 Washington         (*)         (*)								
39         Guam         0.26%         60           40         Maine         0.25%         59           41         Idaho         0.25%         59           42         West Virginia         0.22%         52           43         Louisiana         0.21%         49           44         South Dakota         0.20%         48           45         Montana         0.20%         46           46         Puerto Rico         0.16%         38           47         Arkansas         0.16%         37           49         Mississisppi         0.16%         37           50         Nevada         0.13%         31           51         Wyoming         0.10%         23           52         District of Columbia         (*)         (*)           53         Washington         (*)         (*)         (*)	_	<del></del>						
40         Maine         0.25%         59           41         Idaho         0.25%         59           42         West Virginia         0.22%         52           43         Louisiana         0.21%         49           44         South Dakota         0.20%         48           45         Montana         0.20%         46           46         Puerto Rico         0.16%         38           47         Arkansas         0.16%         37           48         North Dakota         0.16%         37           49         Mississispipi         0.16%         37           50         Nevada         0.13%         31           51         Wyoming         0.10%         23           52         District of Columbia         (*)         (*)           53         Washington         (*)         (*)								
41         Idaho         0.25%         59           42         West Virginia         0.22%         52           43         Louisiana         0.21%         49           44         South Dakota         0.20%         48           45         Montana         0.20%         46           46         Puerto Rico         0.16%         38           47         Arkansas         0.16%         37           48         North Dakota         0.16%         37           49         Mississispipi         0.16%         37           50         Nevada         0.13%         31           51         Wyoming         0.10%         23           52         District of Columbia         (*)         (*)           53         Washington         (*)         (*)								
42       West Virginia       0.22%       52         43       Louisiana       0.21%       49         44       South Dakota       0.20%       48         45       Montana       0.20%       46         46       Puerto Rico       0.16%       38         47       Arkansas       0.16%       38         48       North Dakota       0.16%       37         49       Mississisppi       0.16%       37         50       Nevada       0.13%       31         51       Wyoming       0.10%       23         52       District of Columbia       (*)       (*)         53       Washington       (*)       (*)								
43         Louisiana         0.21%         49           44         South Dakota         0.20%         48           45         Montana         0.20%         46           46         Puerto Rico         0.16%         38           47         Arkansas         0.16%         38           48         North Dakota         0.16%         37           49         Mississispipi         0.16%         37           50         Nevada         0.13%         31           51         Wyoming         0.10%         23           52         District of Columbia         (*)         (*)           53         Washington         (*)         (*)								
44       South Dakota       0.20%       48         45       Montana       0.20%       46         46       Puerto Rico       0.16%       38         47       Arkansas       0.16%       38         48       North Dakota       0.16%       37         49       Mississispipi       0.16%       37         50       Nevada       0.13%       31         51       Wyoming       0.10%       23         52       District of Columbia       (*)       (*)         53       Washington       (*)       (*)								
45         Montana         0.20%         46           46         Puerto Rico         0.16%         38           47         Arkansas         0.16%         38           48         North Dakota         0.16%         37           49         Mississispipi         0.16%         37           50         Nevada         0.13%         31           51         Wyoming         0.10%         23           52         District of Columbia         (*)         (*)           53         Washington         (*)         (*)								
46         Puerto Rico         0.16%         38           47         Arkansas         0.16%         38           48         North Dakota         0.16%         37           49         Mississippi         0.16%         37           50         Nevada         0.13%         31           51         Wyoming         0.10%         23           52         District of Columbia         (*)         (*)           53         Washington         (*)         (*)	44	South Dakota						
47       Arkansas       0.16%       38         48       North Dakota       0.16%       37         49       Mississippi       0.16%       37         50       Nevada       0.13%       31         51       Wyoming       0.10%       23         52       District of Columbia       (*)       (*)         53       Washington       (*)       (*)								
48       North Dakota       0.16%       37         49       Mississippi       0.16%       37         50       Nevada       0.13%       31         51       Wyoming       0.10%       23         52       District of Columbia       (*)       (*)         53       Washington       (*)       (*)	46	Puerto Rico						
49       Mississippi       0.16%       37         50       Nevada       0.13%       31         51       Wyoming       0.10%       23         52       District of Columbia       (*)       (*)         53       Washington       (*)       (*)	47							
50         Nevada         0.13%         31           51         Wyoming         0.10%         23           52         District of Columbia         (*)         (*)           53         Washington         (*)         (*)		North Dakota						
51         Wyoming         0.10%         23           52         District of Columbia         (*)         (*)           53         Washington         (*)         (*)		Mississippi						
52         District of Columbia         (*)         (*)           53         Washington         (*)         (*)	50							
53 Washington (*) (*)	51	Wyoming	0.10%	23				
53 Washington (*) (*)	52			(*)				
			(*)	(*)				
	54	Virgin Islands	(*)	(*)				

E: Office of Technology Policy, U.S. Department of Commerce

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(\*)



51 Guam

52 District of Columbia

53 Washington 54 Virgin Islands

12

Table 5. 1998 State Employment of All Other Computer Scientists

# Ranking by

	Number Employed						
Rank	State	Number Employed					
1	California	15,740					
2	New York	6,710					
3	Illinois	6,420					
4	Florida	5,740					
5	Texas	4,910					
6	Georgia	4,320					
7	Colorado	4,300					
8	Minnesota	4,160					
9	Maryland	3,480					
10	Pennsylvania	3,350					
11	Massachusetts	3,270					
12	Virginia	3,030					
13	New Jersey	2,990					
14	Michigan	2,960					
15	Ohio	2,960					
16	Oregon	2,210					
17	Washington	2,130					
18	North Carolina	1,880					
19	Missouri	1,760					
20	Arizona	1,420					
21	Tennessee	1,390					
22	Connecticut	1,280					
23	Indiana	1,220					
24	Wisconsin	1,200					
25	Oklahoma	1,030					
26	Utah	950					
27	lowa	840					
28 29	Alabama	670					
30	Kentucky Delaware	560					
31	New Hampshire	550					
32	Idaho	540 530					
33	District of Columbia	480					
34	Kansas	480					
35	New Mexico	470					
36	Nebraska	420					
37	Louisiana	410					
38	South Carolina	350					
39	Arkansas	230					
40	Maine	190					
41	Mississippi	180					
42	West Virginia	180					
43	Nevada	160					
44	Hawaii	140					
45	Puerto Rico	90					
46	Alaska	80					
47	Wyoming	60					
48	Montana	50					
49	Vermont	30					
50	North Dakota	(*)					
51	Rhode Island	(*)					
52	South Dakota	(*)					
53	Guam	(*)					
54	Virgin Islands	(*)					
	CE: Office of Toobsolo	1 (7					

#### Ranking by **Annual Average Wages**

Rank         State         Annual Average Wages           1         Maryland         \$ 60,930           2         Delaware         \$ 58,700           3         Pennsylvania         \$ 57,300           4         New Jersey         \$ 57,210           5         Connecticut         \$ 55,990           6         Colorado         \$ 55,600           7         California         \$ 54,590           8         Virginia         \$ 54,010           9         New York         \$ 53,620           10         District of Columbia         \$ 52,800           11         Alaska         \$ 51,530           12         Massachusetts         \$ 51,510           13         North Carolina         \$ 50,590           14         Hawaii         \$ 50,590           15         Minnesota         \$ 50,500           16         Washington         \$ 49,250           17         Florida         \$ 48,870           18         Alabama         \$ 47,710           20         Ohio         \$ 47,600           21         Utah         \$ 47,340           22         Oregon         \$ 47,340 <t< th=""><th></th><th></th><th></th><th></th></t<>				
2 Delaware \$ 58,700 3 Pennsylvania \$ 57,300 4 New Jersey \$ 57,210 5 Connecticut \$ 55,990 6 Colorado \$ 55,600 7 California \$ 54,590 8 Virginia \$ 54,010 9 New York \$ 53,620 10 District of Columbia \$ 52,800 11 Alaska \$ 51,530 12 Massachusetts \$ 51,110 13 North Carolina \$ 50,590 14 Hawaii \$ 50,530 15 Minnesota \$ 50,500 16 Washington \$ 49,250 17 Florida \$ 48,870 18 Alabama \$ 47,910 19 South Carolina \$ 47,710 20 Ohio \$ 47,600 21 Utah \$ 47,450 22 Oregon \$ 47,340 23 Mississippi \$ 47,030 24 Missouri \$ 46,990 25 Texas \$ 46,730 26 Kansas \$ 46,490 27 Arizona \$ 46,170 28 Illinois \$ 46,990 27 Arizona \$ 46,170 28 Illinois \$ 46,030 29 West Virginia \$ 45,990 30 Nebraska \$ 45,710 31 Vermont \$ 44,610 32 Michigan \$ 44,090 33 Iowa \$ 43,470 34 Oklahoma \$ 43,270 35 Louisiana \$ 43,270 36 Indiana \$ 42,950 37 New Mexico \$ 42,760 38 Georgia \$ 42,340 39 Maine \$ 41,920 40 New Hampshire \$ 41,910 41 Nevada \$ 41,720 42 Wisconsin \$ 41,140 43 Tennessee \$ 40,960 44 Idaho \$ 39,710 45 Kentucky \$ 38,940 46 Arkansas \$ 33,450 47 Montana \$ 32,860 48 Puerto Rico \$ 31,020 49 Wyoming \$ 29,700 50 North Dakota (*) 51 Rhode Island (*) 52 South Dakota (*) 53 Guam (*)	Rank	State	Ave	rage
2 Delaware \$ 58,700 3 Pennsylvania \$ 57,300 4 New Jersey \$ 57,210 5 Connecticut \$ 55,990 6 Colorado \$ 55,600 7 California \$ 54,590 8 Virginia \$ 54,010 9 New York \$ 53,620 10 District of Columbia \$ 52,800 11 Alaska \$ 51,530 12 Massachusetts \$ 51,110 13 North Carolina \$ 50,590 14 Hawaii \$ 50,530 15 Minnesota \$ 50,500 16 Washington \$ 49,250 17 Florida \$ 48,870 18 Alabama \$ 47,910 19 South Carolina \$ 47,710 20 Ohio \$ 47,600 21 Utah \$ 47,450 22 Oregon \$ 47,340 23 Mississippi \$ 47,030 24 Missouri \$ 46,990 25 Texas \$ 46,730 26 Kansas \$ 46,490 27 Arizona \$ 46,170 28 Illinois \$ 46,990 27 Arizona \$ 46,170 28 Illinois \$ 46,030 29 West Virginia \$ 45,990 30 Nebraska \$ 45,710 31 Vermont \$ 44,610 32 Michigan \$ 44,090 33 Iowa \$ 43,470 34 Oklahoma \$ 43,270 35 Louisiana \$ 43,270 36 Indiana \$ 42,950 37 New Mexico \$ 42,760 38 Georgia \$ 42,340 39 Maine \$ 41,920 40 New Hampshire \$ 41,910 41 Nevada \$ 41,720 42 Wisconsin \$ 41,140 43 Tennessee \$ 40,960 44 Idaho \$ 39,710 45 Kentucky \$ 38,940 46 Arkansas \$ 33,450 47 Montana \$ 32,860 48 Puerto Rico \$ 31,020 49 Wyoming \$ 29,700 50 North Dakota (*) 51 Rhode Island (*) 52 South Dakota (*) 53 Guam (*)	1	Maryland	\$ 6	0.930
3 Pennsylvania \$ 57,300 4 New Jersey \$ 57,210 5 Connecticut \$ 55,990 6 Colorado \$ 55,600 7 California \$ 54,590 8 Virginia \$ 54,010 9 New York \$ 53,620 10 District of Columbia \$ 52,800 11 Alaska \$ 51,530 12 Massachusetts \$ 51,110 13 North Carolina \$ 50,590 14 Hawaii \$ 50,530 15 Minnesota \$ 50,500 16 Washington \$ 49,250 17 Florida \$ 48,870 18 Alabama \$ 47,910 19 South Carolina \$ 47,710 20 Ohio \$ 47,600 21 Utah \$ 47,450 22 Oregon \$ 47,340 23 Mississippi \$ 47,030 24 Missouri \$ 46,990 25 Texas \$ 46,730 26 Kansas \$ 46,490 27 Arizona \$ 46,170 28 Illinois \$ 46,030 29 West Virginia \$ 45,990 30 Nebraska \$ 45,710 31 Vermont \$ 44,610 32 Michigan \$ 43,270 33 Iowa \$ 43,470 34 Oklahoma \$ 43,270 35 Louisiana \$ 43,020 36 Indiana \$ 42,950 37 New Mexico \$ 42,760 38 Georgia \$ 41,140 40 New Hampshire \$ 41,910 41 Nevada \$ 41,720 42 Wisconsin \$ 41,140 43 Tennessee \$ 40,960 44 Idaho \$ 39,710 45 Kentucky \$ 38,940 46 Arkansas \$ 33,450 47 Montana \$ 32,860 48 Puerto Rico \$ 31,020 49 Wyoming \$ 29,700 50 North Dakota (*) 51 Rhode Island (*) 52 South Dakota (*) 53 Guam (*)	2			
4         New Jersey         \$ 57,210           5         Connecticut         \$ 55,990           6         Colorado         \$ 55,600           7         California         \$ 54,590           8         Virginia         \$ 54,010           9         New York         \$ 53,620           10         District of Columbia         \$ 52,800           11         Alaska         \$ 51,530           12         Massachusetts         \$ 51,110           13         North Carolina         \$ 50,590           14         Hawaii         \$ 50,590           15         Minnesota         \$ 50,500           16         Washington         \$ 49,250           17         Florida         \$ 48,870           18         Alabama         \$ 47,910           19         South Carolina         \$ 47,710           20         Ohio         \$ 47,600           21         Utah         \$ 47,340           22         Oregon         \$ 47,340           23         Mississippi         \$ 47,030           24         Missouri         \$ 46,990           25         Texas         \$ 46,730           26 </td <td>3</td> <td>Pennsylvania</td> <td></td> <td></td>	3	Pennsylvania		
5         Connecticut         \$ 55,990           6         Colorado         \$ 55,600           7         California         \$ 54,590           8         Virginia         \$ 54,010           9         New York         \$ 53,620           10         District of Columbia         \$ 52,800           11         Alaska         \$ 51,530           12         Massachusetts         \$ 51,110           13         North Carolina         \$ 50,590           14         Hawaii         \$ 50,590           15         Minnesota         \$ 50,500           16         Washington         \$ 49,250           17         Florida         \$ 48,870           18         Alabama         \$ 47,910           19         South Carolina         \$ 47,710           20         Ohio         \$ 47,600           21         Utah         \$ 47,340           22         Oregon         \$ 47,340           23         Mississispipi         \$ 47,340           24         Missouri         \$ 46,730           25         Texas         \$ 46,730           26         Kansas         \$ 46,730           27 <td></td> <td></td> <td></td> <td>7.210</td>				7.210
6         Colorado         \$ 55,600           7         California         \$ 54,590           8         Virginia         \$ 54,010           9         New York         \$ 53,620           10         District of Columbia         \$ 52,800           11         Alaska         \$ 51,530           12         Massachusetts         \$ 51,110           13         North Carolina         \$ 50,590           14         Hawaii         \$ 50,500           15         Minnesota         \$ 50,500           16         Washington         \$ 49,250           17         Florida         \$ 48,870           18         Alabama         \$ 47,910           19         South Carolina         \$ 47,710           20         Ohio         \$ 47,600           21         Utah         \$ 47,340           22         Oregon         \$ 47,340           23         Mississippi         \$ 47,030           24         Missouri         \$ 46,990           25         Texas         \$ 46,730           26         Kansas         \$ 46,490           27         Arizona         \$ 46,730           29	5			
7         California         \$ 54,590           8         Virginia         \$ 54,010           9         New York         \$ 53,620           10         District of Columbia         \$ 52,800           11         Alaska         \$ 51,530           12         Massachusetts         \$ 51,110           13         North Carolina         \$ 50,590           14         Hawaii         \$ 50,530           15         Minnesota         \$ 50,500           16         Washington         \$ 49,250           17         Florida         \$ 48,870           18         Alabama         \$ 47,910           19         South Carolina         \$ 47,710           20         Ohio         \$ 47,600           21         Utah         \$ 47,450           22         Oregon         \$ 47,340           23         Mississisppi         \$ 47,030           24         Missouri         \$ 46,990           25         Texas         \$ 46,730           26         Kansas         \$ 46,490           27         Arizona         \$ 46,170           28         Illinois         \$ 46,030           29	_			
8         Virginia         \$ 54,010           9         New York         \$ 53,620           10         District of Columbia         \$ 52,800           11         Alaska         \$ 51,530           12         Massachusetts         \$ 51,110           13         North Carolina         \$ 50,590           14         Hawaii         \$ 50,500           15         Minnesota         \$ 50,500           16         Washington         \$ 49,250           17         Florida         \$ 48,870           18         Alabama         \$ 47,910           19         South Carolina         \$ 47,710           20         Ohio         \$ 47,600           21         Utah         \$ 47,450           22         Oregon         \$ 47,340           23         Mississisppi         \$ 47,030           24         Missouri         \$ 46,990           25         Texas         \$ 46,730           26         Kansas         \$ 46,490           27         Arizona         \$ 46,170           28         Illinois         \$ 46,030           29         West Virginia         \$ 45,990           30 </td <td>7</td> <td></td> <td></td> <td></td>	7			
9 New York \$ 53,620 10 District of Columbia \$ 52,800 11 Alaska \$ 51,530 12 Massachusetts \$ 51,110 13 North Carolina \$ 50,590 14 Hawaii \$ 50,530 15 Minnesota \$ 50,500 16 Washington \$ 49,250 17 Florida \$ 48,870 18 Alabama \$ 47,910 19 South Carolina \$ 47,710 20 Ohio \$ 47,600 21 Utah \$ 47,450 22 Oregon \$ 47,340 23 Mississippi \$ 47,030 24 Missouri \$ 46,990 25 Texas \$ 46,730 26 Kansas \$ 46,490 27 Arizona \$ 46,170 28 Illinois \$ 46,030 29 West Virginia \$ 45,990 30 Nebraska \$ 45,710 31 Vermont \$ 44,610 32 Michigan \$ 44,090 33 Iowa \$ 43,470 34 Oklahoma \$ 43,270 35 Louisiana \$ 43,020 36 Indiana \$ 42,950 37 New Mexico \$ 42,760 38 Georgia \$ 42,340 39 Maine \$ 41,920 40 New Hampshire \$ 41,910 41 Nevada \$ 41,720 42 Wisconsin \$ 41,140 43 Tennessee \$ 40,960 44 Idaho \$ 39,710 45 Kentucky \$ 38,940 46 Arkansas \$ 33,450 47 Montana \$ 32,860 48 Puerto Rico \$ 31,020 49 Wyoming \$ 29,700 50 North Dakota (*) 51 Rhode Island (*) 52 South Dakota (*) 53 Guam (*)	8			
10         District of Columbia         \$ 52,800           11         Alaska         \$ 51,530           12         Massachusetts         \$ 51,110           13         North Carolina         \$ 50,590           14         Hawaii         \$ 50,500           15         Minnesota         \$ 50,500           16         Washington         \$ 49,250           17         Florida         \$ 48,870           18         Alabama         \$ 47,910           19         South Carolina         \$ 47,710           20         Ohio         \$ 47,600           21         Utah         \$ 47,450           22         Oregon         \$ 47,340           23         Mississippi         \$ 47,030           24         Missouri         \$ 46,990           25         Texas         \$ 46,730           26         Kansas         \$ 46,490           27         Arizona         \$ 46,170           28         Illinois         \$ 46,030           29         West Virginia         \$ 45,990           30         Nebraska         \$ 45,710           31         Vermont         \$ 44,610           32 </td <td>9</td> <td></td> <td></td> <td></td>	9			
11       Alaska       \$ 51,530         12       Massachusetts       \$ 51,110         13       North Carolina       \$ 50,590         14       Hawaii       \$ 50,500         15       Minnesota       \$ 50,500         16       Washington       \$ 49,250         17       Florida       \$ 48,870         18       Alabama       \$ 47,910         19       South Carolina       \$ 47,710         20       Ohio       \$ 47,600         21       Utah       \$ 47,450         22       Oregon       \$ 47,340         23       Mississisppi       \$ 47,030         24       Missouri       \$ 46,990         25       Texas       \$ 46,730         26       Kansas       \$ 46,490         27       Arizona       \$ 46,170         28       Illinois       \$ 46,030         29       West Virginia       \$ 45,990         30       Nebraska       \$ 45,710         31       Vermont       \$ 44,610         32       Michigan       \$ 44,610         33       Iowa       \$ 43,470         34       Oklahoma       \$ 43,270	10			_
12       Massachusetts       \$ 51,110         13       North Carolina       \$ 50,590         14       Hawaii       \$ 50,530         15       Minnesota       \$ 50,500         16       Washington       \$ 49,250         17       Florida       \$ 48,870         18       Alabama       \$ 47,910         19       South Carolina       \$ 47,710         20       Ohio       \$ 47,600         21       Utah       \$ 47,450         22       Oregon       \$ 47,340         23       Mississisppi       \$ 47,030         24       Missouri       \$ 46,990         25       Texas       \$ 46,730         26       Kansas       \$ 46,490         27       Arizona       \$ 46,170         28       Illinois       \$ 46,030         29       West Virginia       \$ 45,990         30       Nebraska       \$ 45,710         31       Vermont       \$ 44,610         32       Michigan       \$ 44,990         33       Iowa       \$ 43,470         34       Oklahoma       \$ 43,270         35       Louisiana       \$ 42,360	11		_	
13         North Carolina         \$ 50,590           14         Hawaii         \$ 50,530           15         Minnesota         \$ 50,500           16         Washington         \$ 49,250           17         Florida         \$ 48,870           18         Alabama         \$ 47,910           19         South Carolina         \$ 47,710           20         Ohio         \$ 47,600           21         Utah         \$ 47,450           22         Oregon         \$ 47,340           23         Mississisppi         \$ 47,030           24         Missouri         \$ 46,990           25         Texas         \$ 46,730           26         Kansas         \$ 46,490           27         Arizona         \$ 46,170           28         Illinois         \$ 46,030           29         West Virginia         \$ 45,990           30         Nebraska         \$ 45,710           31         Vermont         \$ 44,610           32         Michigan         \$ 44,990           33         Iowa         \$ 43,470           34         Oklahoma         \$ 43,270           35         Lo				
14         Hawaii         \$ 50,530           15         Minnesota         \$ 50,500           16         Washington         \$ 49,250           17         Florida         \$ 48,870           18         Alabama         \$ 47,910           19         South Carolina         \$ 47,710           20         Ohio         \$ 47,600           21         Utah         \$ 47,450           22         Oregon         \$ 47,340           23         Mississisippi         \$ 47,030           24         Missouri         \$ 46,990           25         Texas         \$ 46,730           26         Kansas         \$ 46,490           27         Arizona         \$ 46,170           28         Illinois         \$ 46,030           29         West Virginia         \$ 45,990           30         Nebraska         \$ 45,710           31         Vermont         \$ 44,610           32         Michigan         \$ 43,270           33         Iowa         \$ 43,270           34         Oklahoma         \$ 43,270           35         Louisiana         \$ 42,950           37         New Me				
15         Minnesota         \$ 50,500           16         Washington         \$ 49,250           17         Florida         \$ 48,870           18         Alabama         \$ 47,910           19         South Carolina         \$ 47,710           20         Ohio         \$ 47,600           21         Utah         \$ 47,450           22         Oregon         \$ 47,340           23         Mississippi         \$ 47,030           24         Missouri         \$ 46,990           25         Texas         \$ 46,730           26         Kansas         \$ 46,490           27         Arizona         \$ 46,170           28         Illinois         \$ 46,030           29         West Virginia         \$ 45,990           30         Nebraska         \$ 45,710           31         Vermont         \$ 44,610           32         Michigan         \$ 44,990           33         Iowa         \$ 43,270           34         Oklahoma         \$ 43,270           35         Louisiana         \$ 43,020           36         Indiana         \$ 42,340           39         Maine </td <td></td> <td></td> <td></td> <td></td>				
16         Washington         \$ 49,250           17         Florida         \$ 48,870           18         Alabama         \$ 47,910           19         South Carolina         \$ 47,710           20         Ohio         \$ 47,600           21         Utah         \$ 47,450           22         Oregon         \$ 47,340           23         Mississippi         \$ 47,030           24         Missouri         \$ 46,990           25         Texas         \$ 46,730           26         Kansas         \$ 46,490           27         Arizona         \$ 46,170           28         Illinois         \$ 46,030           29         West Virginia         \$ 45,990           30         Nebraska         \$ 45,710           31         Vermont         \$ 44,610           32         Michigan         \$ 44,990           33         Iowa         \$ 43,270           34         Oklahoma         \$ 43,270           35         Louisiana         \$ 42,950           37         New Mexico         \$ 42,760           38         Georgia         \$ 42,340           39         Maine<				
17         Florida         \$ 48,870           18         Alabama         \$ 47,910           19         South Carolina         \$ 47,710           20         Ohio         \$ 47,600           21         Utah         \$ 47,450           22         Oregon         \$ 47,340           23         Mississisippi         \$ 47,030           24         Missouri         \$ 46,990           25         Texas         \$ 46,730           26         Kansas         \$ 46,490           27         Arizona         \$ 46,170           28         Illinois         \$ 46,030           29         West Virginia         \$ 45,990           30         Nebraska         \$ 45,710           31         Vermont         \$ 44,610           32         Michigan         \$ 44,990           33         Iowa         \$ 43,270           34         Oklahoma         \$ 43,270           35         Louisiana         \$ 42,950           37         New Mexico         \$ 42,760           38         Georgia         \$ 42,340           39         Maine         \$ 41,910           41         Nevada <td></td> <td></td> <td></td> <td></td>				
18       Alabama       \$ 47,910         19       South Carolina       \$ 47,710         20       Ohio       \$ 47,600         21       Utah       \$ 47,450         22       Oregon       \$ 47,340         23       Mississippi       \$ 47,030         24       Missouri       \$ 46,990         25       Texas       \$ 46,730         26       Kansas       \$ 46,490         27       Arizona       \$ 46,170         28       Illinois       \$ 46,030         29       West Virginia       \$ 45,990         30       Nebraska       \$ 45,710         31       Vermont       \$ 44,610         32       Michigan       \$ 44,090         33       Iowa       \$ 43,270         34       Oklahoma       \$ 43,270         35       Louisiana       \$ 42,950         37       New Mexico       \$ 42,760         38       Georgia       \$ 42,340         39       Maine       \$ 41,920         40       New Hampshire       \$ 41,910         41       Nevada       \$ 41,720         42       Wisconsin       \$ 41,140	-			
19         South Carolina         \$ 47,710           20         Ohio         \$ 47,600           21         Utah         \$ 47,450           22         Oregon         \$ 47,340           23         Mississippi         \$ 47,030           24         Missouri         \$ 46,990           25         Texas         \$ 46,730           26         Kansas         \$ 46,490           27         Arizona         \$ 46,170           28         Illinois         \$ 46,030           29         West Virginia         \$ 45,990           30         Nebraska         \$ 45,710           31         Vermont         \$ 44,610           32         Michigan         \$ 44,090           33         Iowa         \$ 43,270           34         Oklahoma         \$ 43,270           35         Louisiana         \$ 42,950           37         New Mexico         \$ 42,760           38         Georgia         \$ 42,340           39         Maine         \$ 41,920           40         New Hampshire         \$ 41,910           41         Nevada         \$ 41,720           42         Wiscon				
20 Ohio         \$ 47,600           21 Utah         \$ 47,450           22 Oregon         \$ 47,340           23 Mississippi         \$ 47,030           24 Missouri         \$ 46,990           25 Texas         \$ 46,730           26 Kansas         \$ 46,490           27 Arizona         \$ 46,170           28 Illinois         \$ 45,990           30 Nebraska         \$ 45,790           31 Vermont         \$ 44,610           32 Michigan         \$ 44,090           33 Iowa         \$ 43,470           34 Oklahoma         \$ 43,270           35 Louisiana         \$ 43,020           36 Indiana         \$ 42,950           37 New Mexico         \$ 42,760           38 Georgia         \$ 42,340           39 Maine         \$ 41,920           40 New Hampshire         \$ 41,910           41 Nevada         \$ 41,720           42 Wisconsin         \$ 41,140           43 Tennessee         \$ 40,960           44 Idaho         \$ 39,710           45 Kentucky         \$ 38,940           46 Arkansas         \$ 33,450           47 Montana         \$ 32,860           48 Puerto Rico         \$ 31,020 <td></td> <td></td> <td></td> <td>7,710</td>				7,710
21         Utah         \$ 47,450           22         Oregon         \$ 47,340           23         Mississippi         \$ 47,030           24         Missouri         \$ 46,990           25         Texas         \$ 46,730           26         Kansas         \$ 46,490           27         Arizona         \$ 46,170           28         Illinois         \$ 46,030           29         West Virginia         \$ 45,990           30         Nebraska         \$ 45,710           31         Vermont         \$ 44,610           32         Michigan         \$ 44,090           33         Iowa         \$ 43,470           34         Oklahoma         \$ 43,270           35         Louisiana         \$ 42,950           37         New Mexico         \$ 42,760           38         Georgia         \$ 42,340           39         Maine         \$ 41,920           40         New Hampshire         \$ 41,910           41         Nevada         \$ 41,720           42         Wisconsin         \$ 41,140           43         Tennessee         \$ 40,960           44         Idaho<				
22 Oregon       \$ 47,340         23 Mississippi       \$ 47,030         24 Missouri       \$ 46,990         25 Texas       \$ 46,730         26 Kansas       \$ 46,490         27 Arizona       \$ 46,170         28 Illinois       \$ 46,030         29 West Virginia       \$ 45,990         30 Nebraska       \$ 45,710         31 Vermont       \$ 44,610         32 Michigan       \$ 44,090         33 Iowa       \$ 43,470         34 Oklahoma       \$ 43,270         35 Louisiana       \$ 42,950         37 New Mexico       \$ 42,760         38 Georgia       \$ 42,340         39 Maine       \$ 41,920         40 New Hampshire       \$ 41,910         41 Nevada       \$ 41,720         42 Wisconsin       \$ 41,140         43 Tennessee       \$ 40,960         44 Idaho       \$ 39,710         45 Kentucky       \$ 38,940         46 Arkansas       \$ 33,450         47 Montana       \$ 32,860         48 Puerto Rico       \$ 31,020         49 Wyoming       \$ 29,700         50 North Dakota       (*)         51 Rhode Island       (*)				
23       Mississippi       \$ 47,030         24       Missouri       \$ 46,990         25       Texas       \$ 46,730         26       Kansas       \$ 46,490         27       Arizona       \$ 46,170         28       Illinois       \$ 46,030         29       West Virginia       \$ 45,990         30       Nebraska       \$ 45,710         31       Vermont       \$ 44,610         32       Michigan       \$ 44,990         33       Iowa       \$ 43,470         34       Oklahoma       \$ 43,270         35       Louisiana       \$ 42,950         37       New Mexico       \$ 42,760         38       Georgia       \$ 42,340         39       Maine       \$ 41,920         40       New Hampshire       \$ 41,910         41       Nevada       \$ 41,720         42       Wisconsin       \$ 41,140         43       Tennessee       \$ 40,960         44       Idaho       \$ 39,710         45       Kentucky       \$ 38,940         46       Arkansas       \$ 33,450         47       Montana       \$ 32,860 <td></td> <td></td> <td></td> <td></td>				
24       Missouri       \$ 46,990         25       Texas       \$ 46,730         26       Kansas       \$ 46,490         27       Arizona       \$ 46,170         28       Illinois       \$ 46,030         29       West Virginia       \$ 45,990         30       Nebraska       \$ 45,710         31       Vermont       \$ 44,610         32       Michigan       \$ 44,090         33       Iowa       \$ 43,470         34       Oklahoma       \$ 43,270         35       Louisiana       \$ 42,950         37       New Mexico       \$ 42,760         38       Georgia       \$ 42,340         39       Maine       \$ 41,920         40       New Hampshire       \$ 41,910         41       Nevada       \$ 41,720         42       Wisconsin       \$ 41,140         43       Tennessee       \$ 40,960         44       Idaho       \$ 39,710         45       Kentucky       \$ 38,940         46       Arkansas       \$ 33,450         47       Montana       \$ 32,860         48       Puerto Rico       \$ 31,020 <td></td> <td></td> <td></td> <td></td>				
25       Texas       \$ 46,730         26       Kansas       \$ 46,490         27       Arizona       \$ 46,170         28       Illinois       \$ 46,030         29       West Virginia       \$ 45,990         30       Nebraska       \$ 45,710         31       Vermont       \$ 44,610         32       Michigan       \$ 44,090         33       Iowa       \$ 43,470         34       Oklahoma       \$ 43,270         35       Louisiana       \$ 42,950         37       New Mexico       \$ 42,760         38       Georgia       \$ 42,340         39       Maine       \$ 41,920         40       New Hampshire       \$ 41,910         41       Nevada       \$ 41,720         42       Wisconsin       \$ 41,140         43       Tennessee       \$ 40,960         44       Idaho       \$ 39,710         45       Kentucky       \$ 38,940         46       Arkansas       \$ 33,450         47       Montana       \$ 32,860         48       Puerto Rico       \$ 31,020         49       Wyoming       \$ 29,700 <td></td> <td></td> <td></td> <td></td>				
26       Kansas       \$ 46,490         27       Arizona       \$ 46,170         28       Illinois       \$ 46,030         29       West Virginia       \$ 45,990         30       Nebraska       \$ 45,710         31       Vermont       \$ 44,610         32       Michigan       \$ 44,090         33       Iowa       \$ 43,470         34       Oklahoma       \$ 43,270         35       Louisiana       \$ 42,950         37       New Mexico       \$ 42,760         38       Georgia       \$ 42,340         39       Maine       \$ 41,920         40       New Hampshire       \$ 41,910         41       Nevada       \$ 41,720         42       Wisconsin       \$ 41,140         43       Tennessee       \$ 40,960         44       Idaho       \$ 39,710         45       Kentucky       \$ 38,940         46       Arkansas       \$ 33,450         47       Montana       \$ 32,860         48       Puerto Rico       \$ 31,020         49       Wyoming       \$ 29,700         50       North Dakota       (*) </td <td>25</td> <td></td> <td></td> <td></td>	25			
27       Arizona       \$ 46,170         28       Illinois       \$ 46,030         29       West Virginia       \$ 45,990         30       Nebraska       \$ 45,710         31       Vermont       \$ 44,610         32       Michigan       \$ 44,090         33       Iowa       \$ 43,470         34       Oklahoma       \$ 43,270         35       Louisiana       \$ 42,950         37       New Mexico       \$ 42,760         38       Georgia       \$ 42,340         39       Maine       \$ 41,920         40       New Hampshire       \$ 41,910         41       Nevada       \$ 41,720         42       Wisconsin       \$ 41,140         43       Tennessee       \$ 40,960         44       Idaho       \$ 39,710         45       Kentucky       \$ 38,940         46       Arkansas       \$ 33,450         47       Montana       \$ 32,860         48       Puerto Rico       \$ 31,020         49       Wyoming       \$ 29,700         50       North Dakota       (*)         51       Rhode Island       (*)     <				
28       Illinois       \$ 46,030         29       West Virginia       \$ 45,990         30       Nebraska       \$ 45,710         31       Vermont       \$ 44,610         32       Michigan       \$ 44,090         33       Iowa       \$ 43,470         34       Oklahoma       \$ 43,270         35       Louisiana       \$ 42,950         37       New Mexico       \$ 42,760         38       Georgia       \$ 42,340         39       Maine       \$ 41,920         40       New Hampshire       \$ 41,910         41       Nevada       \$ 41,720         42       Wisconsin       \$ 41,140         43       Tennessee       \$ 40,960         44       Idaho       \$ 39,710         45       Kentucky       \$ 38,940         46       Arkansas       \$ 33,450         47       Montana       \$ 32,860         48       Puerto Rico       \$ 31,020         49       Wyoming       \$ 29,700         50       North Dakota       (*)         51       Rhode Island       (*)         53       Guam       (*)    <	27			
29         West Virginia         \$ 45,990           30         Nebraska         \$ 45,710           31         Vermont         \$ 44,610           32         Michigan         \$ 44,090           33         Iowa         \$ 43,470           34         Oklahoma         \$ 43,270           35         Louisiana         \$ 42,950           37         New Mexico         \$ 42,760           38         Georgia         \$ 42,340           39         Maine         \$ 41,920           40         New Hampshire         \$ 41,910           41         Nevada         \$ 41,720           42         Wisconsin         \$ 41,140           43         Tennessee         \$ 40,960           44         Idaho         \$ 39,710           45         Kentucky         \$ 38,940           46         Arkansas         \$ 33,450           47         Montana         \$ 32,860           48         Puerto Rico         \$ 31,020           49         Wyoming         \$ 29,700           50         North Dakota         (*)           51         Rhode Island         (*)           53         G				
30 Nebraska \$ 45,710 31 Vermont \$ 44,610 32 Michigan \$ 44,090 33 Iowa \$ 43,470 34 Oklahoma \$ 43,270 35 Louisiana \$ 42,950 37 New Mexico \$ 42,760 38 Georgia \$ 42,340 39 Maine \$ 41,920 40 New Hampshire \$ 41,910 41 Nevada \$ 41,720 42 Wisconsin \$ 41,140 43 Tennessee \$ 40,960 44 Idaho \$ 39,710 45 Kentucky \$ 38,940 46 Arkansas \$ 33,450 47 Montana \$ 32,860 48 Puerto Rico \$ 31,020 49 Wyoming \$ 29,700 50 North Dakota (*) 51 Rhode Island (*) 52 South Dakota (*) 53 Guam	29	West Virginia		
31         Vermont         \$ 44,610           32         Michigan         \$ 44,090           33         Iowa         \$ 43,470           34         Oklahoma         \$ 43,270           35         Louisiana         \$ 42,950           36         Indiana         \$ 42,950           37         New Mexico         \$ 42,760           38         Georgia         \$ 42,340           39         Maine         \$ 41,920           40         New Hampshire         \$ 41,910           41         Nevada         \$ 41,720           42         Wisconsin         \$ 41,140           43         Tennessee         \$ 40,960           44         Idaho         \$ 39,710           45         Kentucky         \$ 38,940           46         Arkansas         \$ 33,450           47         Montana         \$ 32,860           48         Puerto Rico         \$ 31,020           49         Wyoming         \$ 29,700           50         North Dakota         (*)           51         Rhode Island         (*)           53         Guam         (*)	30			
33       Iowa       \$ 43,470         34       Oklahoma       \$ 43,270         35       Louisiana       \$ 42,950         36       Indiana       \$ 42,760         38       Georgia       \$ 42,340         39       Maine       \$ 41,920         40       New Hampshire       \$ 41,910         41       Nevada       \$ 41,720         42       Wisconsin       \$ 41,140         43       Tennessee       \$ 40,960         44       Idaho       \$ 39,710         45       Kentucky       \$ 38,940         46       Arkansas       \$ 33,450         47       Montana       \$ 32,860         48       Puerto Rico       \$ 31,020         49       Wyoming       \$ 29,700         50       North Dakota       (*)         51       Rhode Island       (*)         52       South Dakota       (*)         53       Guam       (*)	31	Vermont		
33         Iowa         \$ 43,470           34         Oklahoma         \$ 43,270           35         Louisiana         \$ 42,950           36         Indiana         \$ 42,760           37         New Mexico         \$ 42,760           38         Georgia         \$ 42,340           39         Maine         \$ 41,920           40         New Hampshire         \$ 41,910           41         Nevada         \$ 41,720           42         Wisconsin         \$ 41,140           43         Tennessee         \$ 40,960           44         Idaho         \$ 39,710           45         Kentucky         \$ 38,940           46         Arkansas         \$ 33,450           47         Montana         \$ 32,860           48         Puerto Rico         \$ 31,020           49         Wyoming         \$ 29,700           50         North Dakota         (*)           51         Rhode Island         (*)           52         South Dakota         (*)           53         Guam         (*)	32	Michigan	\$ 4	4,090
34         Oklahoma         \$ 43,270           35         Louisiana         \$ 43,020           36         Indiana         \$ 42,950           37         New Mexico         \$ 42,760           38         Georgia         \$ 42,340           39         Maine         \$ 41,920           40         New Hampshire         \$ 41,910           41         Nevada         \$ 41,720           42         Wisconsin         \$ 41,140           43         Tennessee         \$ 40,960           44         Idaho         \$ 39,710           45         Kentucky         \$ 38,940           46         Arkansas         \$ 33,450           47         Montana         \$ 32,860           48         Puerto Rico         \$ 31,020           49         Wyoming         \$ 29,700           50         North Dakota         (*)           51         Rhode Island         (*)           52         South Dakota         (*)           53         Guam         (*)		Iowa		
35         Louisiana         \$ 43,020           36         Indiana         \$ 42,950           37         New Mexico         \$ 42,760           38         Georgia         \$ 42,340           39         Maine         \$ 41,920           40         New Hampshire         \$ 41,910           41         Nevada         \$ 41,720           42         Wisconsin         \$ 41,140           43         Tennessee         \$ 40,960           44         Idaho         \$ 39,710           45         Kentucky         \$ 38,940           46         Arkansas         \$ 33,450           47         Montana         \$ 32,860           48         Puerto Rico         \$ 31,020           49         Wyoming         \$ 29,700           50         North Dakota         (*)           51         Rhode Island         (*)           52         South Dakota         (*)           53         Guam         (*)	34	Oklahoma		
36         Indiana         \$ 42,950           37         New Mexico         \$ 42,760           38         Georgia         \$ 42,340           39         Maine         \$ 41,920           40         New Hampshire         \$ 41,910           41         Nevada         \$ 41,720           42         Wisconsin         \$ 41,140           43         Tennessee         \$ 40,960           44         Idaho         \$ 39,710           45         Kentucky         \$ 38,940           46         Arkansas         \$ 33,450           47         Montana         \$ 32,860           48         Puerto Rico         \$ 31,020           49         Wyoming         \$ 29,700           50         North Dakota         (*)           51         Rhode Island         (*)           52         South Dakota         (*)           53         Guam         (*)	35	Louisiana		
38       Georgia       \$ 42,340         39       Maine       \$ 41,920         40       New Hampshire       \$ 41,910         41       Nevada       \$ 41,720         42       Wisconsin       \$ 41,140         43       Tennessee       \$ 40,960         44       Idaho       \$ 39,710         45       Kentucky       \$ 38,940         46       Arkansas       \$ 33,450         47       Montana       \$ 32,860         48       Puerto Rico       \$ 31,020         49       Wyoming       \$ 29,700         50       North Dakota       (*)         51       Rhode Island       (*)         52       South Dakota       (*)         53       Guam       (*)	36		\$ 4	2,950
38       Georgia       \$ 42,340         39       Maine       \$ 41,920         40       New Hampshire       \$ 41,910         41       Nevada       \$ 41,720         42       Wisconsin       \$ 41,140         43       Tennessee       \$ 40,960         44       Idaho       \$ 39,710         45       Kentucky       \$ 38,940         46       Arkansas       \$ 33,450         47       Montana       \$ 32,860         48       Puerto Rico       \$ 31,020         49       Wyoming       \$ 29,700         50       North Dakota       (*)         51       Rhode Island       (*)         52       South Dakota       (*)         53       Guam       (*)	37	New Mexico	\$ 4	2,760
39       Maine       \$ 41,920         40       New Hampshire       \$ 41,910         41       Nevada       \$ 41,720         42       Wisconsin       \$ 41,140         43       Tennessee       \$ 40,960         44       Idaho       \$ 39,710         45       Kentucky       \$ 38,940         46       Arkansas       \$ 33,450         47       Montana       \$ 32,860         48       Puerto Rico       \$ 31,020         49       Wyoming       \$ 29,700         50       North Dakota       (*)         51       Rhode Island       (*)         52       South Dakota       (*)         53       Guam       (*)	38	Georgia		
41       Nevada       \$ 41,720         42       Wisconsin       \$ 41,140         43       Tennessee       \$ 40,960         44       Idaho       \$ 39,710         45       Kentucky       \$ 38,940         46       Arkansas       \$ 33,450         47       Montana       \$ 32,860         48       Puerto Rico       \$ 31,020         49       Wyoming       \$ 29,700         50       North Dakota       (*)         51       Rhode Island       (*)         52       South Dakota       (*)         53       Guam       (*)	39	Maine		
42       Wisconsin       \$ 41,140         43       Tennessee       \$ 40,960         44       Idaho       \$ 39,710         45       Kentucky       \$ 38,940         46       Arkansas       \$ 33,450         47       Montana       \$ 32,860         48       Puerto Rico       \$ 31,020         49       Wyoming       \$ 29,700         50       North Dakota       (*)         51       Rhode Island       (*)         52       South Dakota       (*)         53       Guam       (*)	40	New Hampshire		1,910
42       Wisconsin       \$ 41,140         43       Tennessee       \$ 40,960         44       Idaho       \$ 39,710         45       Kentucky       \$ 38,940         46       Arkansas       \$ 33,450         47       Montana       \$ 32,860         48       Puerto Rico       \$ 31,020         49       Wyoming       \$ 29,700         50       North Dakota       (*)         51       Rhode Island       (*)         52       South Dakota       (*)         53       Guam       (*)		Nevada		
43       Tennessee       \$ 40,960         44       Idaho       \$ 39,710         45       Kentucky       \$ 38,940         46       Arkansas       \$ 33,450         47       Montana       \$ 32,860         48       Puerto Rico       \$ 31,020         49       Wyoming       \$ 29,700         50       North Dakota       (*)         51       Rhode Island       (*)         52       South Dakota       (*)         53       Guam       (*)	42		\$ 4	
45 Kentucky \$ 38,940 46 Arkansas \$ 33,450 47 Montana \$ 32,860 48 Puerto Rico \$ 31,020 49 Wyoming \$ 29,700 50 North Dakota (*) 51 Rhode Island (*) 52 South Dakota (*) 53 Guam (*)	43	Tennessee	\$ 4	
46 Arkansas \$ 33,450 47 Montana \$ 32,860 48 Puerto Rico \$ 31,020 49 Wyoming \$ 29,700 50 North Dakota (*) 51 Rhode Island (*) 52 South Dakota (*) 53 Guam (*)	44	Idaho		9,710
47       Montana       \$ 32,860         48       Puerto Rico       \$ 31,020         49       Wyoming       \$ 29,700         50       North Dakota       (*)         51       Rhode Island       (*)         52       South Dakota       (*)         53       Guam       (*)	45	Kentucky		8,940
48       Puerto Rico       \$ 31,020         49       Wyoming       \$ 29,700         50       North Dakota       (*)         51       Rhode Island       (*)         52       South Dakota       (*)         53       Guam       (*)		Arkansas		
48       Puerto Rico       \$ 31,020         49       Wyoming       \$ 29,700         50       North Dakota       (*)         51       Rhode Island       (*)         52       South Dakota       (*)         53       Guam       (*)				
50 North Dakota (*) 51 Rhode Island (*) 52 South Dakota (*) 53 Guam (*)				
51       Rhode Island       (*)         52       South Dakota       (*)         53       Guam       (*)	49		\$ 2	9,700
52 South Dakota (*) 53 Guam (*)	50			
53   Guam   (*)				
53   Guam   (*)	52	South Dakota		(*)
54 Virgin Islands (*)				(*)
	54	Virgin Islands		(*)

# Panking by

Ranking by Intensity						
Rank	State	Intensity	State Index US=100			
1	Colorado	0.21%	270			
2	Minnesota	0.17%	210			
3	Delaware	0.16%	198			
4	Maryland	0.15%	192			
5	Oregon	0.15%	184			
6	District of Columbia	0.12%	150			
7	Georgia	0.12%	149			
8	California	0.11%	144			
9	<u>I</u> llinois	0.11%	139			
10	Massachusetts	0.10%	132			
11	Idaho	0.10%	131			
12	Utah	0.10%	123			
13	New Hampshire	0.10%	121			
14	Virginia	0.09%	118			
15	Washington	0.09%	113			
16	Florida	0.09%	110			
17	New York	0.08%	105			
18 19	New Jersey	0.08%	101			
20	Connecticut Oklahoma	0.08% 0.08%	99			
21	New Mexico	0.08%	95 89			
22	Arizona	0.07%				
23	Missouri	0.07%	87 86			
24	Michigan	0.07%	85			
25	Pennsylvania	0.06%	78			
26	Iowa	0.06%	76			
27	Texas	0.06%	70			
28	Ohio	0.05%	69			
29	Tennessee	0.05%	68			
30	North Carolina	0.05%	64			
31	Nebraska	0.05%	63			
32	Wisconsin	0.05%	58			
33	Indiana	0.04%	54			
34	Kansas	0.04%	47			
35	Alabama	0.04%	46			
36	Maine	0.03%	43			
37	Kentucky	0.03%	42			
38	Alaska	0.03%	40			
39	Hawaii	0.03%	37			
40	Wyoming	0.03%	35			
41	West Virginia	0.03%	34			
42	Louisiana	0.02%	28			
43	Arkansas	0.02%	27			
44	South Carolina	0.02%	26			
45 46	Nevada Mississippi	0.02%	22			
47	Montana	0.02% 0.01%	21 18			
48	Vermont	0.01%	14			
49	Puerto Rico	0.01%	13			
50	North Dakota	(*)	(*)			
51	Rhode Island	(*)	(*)			
52	South Dakota	(*)	(*)			
53	Guam	<del>- 6</del>	<del>(*)</del>			
54	Virgin Islands	<del>(*)</del>	(*)			

CE: Office of Technology Policy, U.S. Department of Commerce



#### Table 6. 1998 State Employment of Database Administrators

#### Ranking by Number Employed

Number Employed						
Rank	State	Number Employed				
1	California	12,370				
2	Texas	7,270				
3	New York	6,570				
4	Illinois	4,610				
5	Ohio	4,230				
6	Pennsylvania	3,790				
7	Florida	3,720				
8	Virginia	3,690 3,480				
10	New Jersey Georgia	2,960				
11	Massachusetts	2,890				
12	North Carolina	2,480				
13	Colorado	2,360				
14	Michigan	2,040				
15	Maryland	2,010				
16	Indiana	1,760				
17	Missouri	1,710				
18	Arizona	1,650				
19	Wisconsin	1590				
20	Connecticut	1,450				
21	Minnesota	1,430				
22	Tennessee	1,180				
23	Oklahoma	1,030				
24	Kansas	900				
25	Arkansas	790 770				
26 27	District of Columbia	770				
28	lowa Alabama	760				
29	Oregon	660				
30	South Carolina	660				
31	Utah	610				
32	Nebraska	590				
33	Kentucky	580				
34	Louisiana	510				
35	New Mexico	440				
36	Rhode Island	410				
37	Mississippi	330				
38	Hawaii	310				
39	New Hampshire Puerto Rico	300 290				
40 41	Delaware	280				
42	Nevada	250				
43	Vermont	240				
44	<del></del>	220				
45	Idaho	170				
46	West Virginia	170				
47	Alaska	130				
48		100				
49		100				
50		70				
51		40				
52		(*)				
53 54		<del> </del>				
1 34	I viigiii isiailus	(*)				

#### Ranking by Annual Average Wages

	, <b>gg</b> .							
		A	nnuai verage					
Rank	State	V	Vages_					
1	New York	\$	56,110					
2	New Jersey	\$	55,780					
3	California	\$	55,100					
4	Connecticut	\$	53,160					
5	Arizona	\$	52,850					
6	Massachusetts	\$	52,420					
7	Rhode Island	\$	52,290					
8	Alaska	\$	52,260					
9	Colorado	\$	52,180					
10	Missouri	\$	52,100					
11	Illinois	\$	51,600					
12	Delaware	\$	51,350					
13	Hawaii	\$	51,340					
14	Virginia	\$	51,250					
15	New Hampshire	\$	51,140					
16	Maryland	\$	50,720					
17	Minnesota	\$	50,450					
18	Arkansas	\$	49,830					
19	Pennsylvania	\$	49,820					
20	Oregon	\$	49,810					
21	Utah	\$	49,560					
22	Idaho	\$	49,550					
23	Texas	\$	49,310					
24	North Carolina	\$	49,000					
25	Tennessee	\$	47,950					
26	Kentucky	\$	47,850					
27	District of Columbia	\$	47,810					
28	Ohio	\$	47,640					
29	Michigan	\$	47,120					
30	Florida	\$	46,890 46,630					
32	Nebraska	\$						
33	lowa Alabama	\$	46,460					
34	Wisconsin	\$	46,230 45,720					
35	Vermont	\$	45,630					
36	Montana	\$	45,420					
37	Nevada	\$	45,240					
38	West Virginia	\$	45,110					
39	New Mexico	\$	43,570					
40	Kansas	<del>  \$</del>	43,560					
41	Indiana	\$	43,430					
42	South Carolina	\$	43,430					
43	Louisiana	\$	43,120					
44	North Dakota	\$	42,820					
45	South Dakota	\$	42,810					
46		\$	42,590					
47	<del>,</del>	\$	42,120					
48	<del></del>	\$	41,250					
49		\$	40,730					
50		\$	40,510					
51	Puerto Rico	\$	40,100					
52			(*)					
53	Guam		(*)					
54		J	(*)					

# Ranking by Intensity

Rank         State         Intensity         US=100           1         District of Columbia         0.19%         270           2         Colorado         0.12%         166           3         Virginia         0.11%         162           4         Rhode Island         0.09%         133           5         New Jersey         0.09%         133           6         Massachusetts         0.09%         128           8         California         0.09%         127           9         Connecticut         0.09%         127           9         Connecticut         0.09%         126           10         Maryland         0.09%         126           10         Maryland         0.09%         124           11         Texas         0.08%         115           13         Georgia         0.08%         115           13         Georgia         0.08%         114           14         Arizona         0.08%         112           17         Ohio         0.08%         112           17         Ohio         0.08%         113           16         Illinois         0	Intensity						
2         Colorado         0.12%         166           3         Virginia         0.11%         162           4         Rhode Island         0.09%         133           5         New Jersey         0.09%         133           6         Massachusetts         0.09%         123           7         Vermont         0.09%         127           9         Connecticut         0.09%         126           10         Maryland         0.09%         124           11         Texas         0.08%         116           12         New York         0.08%         116           12         New York         0.08%         114           14         Arizona         0.08%         114           15         Delaware         0.08%         114           15         Delaware         0.08%         112           17         Ohio         0.08%         112           17         Ohio         0.08%         112           17         Ohio         0.08%         106           18         Oklahoma         0.08%         106           19         Arkansas         0.07%         10	Rank	State	Intensity	Index US=100			
3 Virginia	1						
4         Rhode Island         0.09%         133           5         New Jersey         0.09%         133           6         Massachusetts         0.09%         131           7         Vermont         0.09%         128           8         California         0.09%         128           8         California         0.09%         126           10         Maryland         0.09%         124           11         Texas         0.08%         116           12         New York         0.08%         115           13         Georgia         0.08%         114           14         Arizona         0.08%         114           15         Delaware         0.08%         112           17         Ohio         0.08%         112           17         Ohio         0.08%         112           17         Ohio         0.08%         110           18         Oklahoma         0.08%         106           19         Arkansas         0.07%         103           20         Pennsylvania         0.07%         99           22         Nebraska         0.07% <t< td=""><td>2_</td><td></td><td></td><td></td></t<>	2_						
5         New Jersey         0.09%         133           6         Massachusetts         0.09%         131           7         Vermont         0.09%         128           8         California         0.09%         127           9         Connecticut         0.09%         126           10         Maryland         0.09%         126           10         Maryland         0.09%         126           11         Texas         0.08%         116           12         New York         0.08%         116           12         New York         0.08%         115           13         Georgia         0.08%         114           14         Arizona         0.08%         114           15         Delaware         0.08%         112           17         Ohio         0.08%         112           17         Ohio         0.08%         110           18         Oklahoma         0.08%         106           19         Arkansas         0.07%         103           20         Pennsylvania         0.07%         103           20         Pennsylvania         0.07%	3						
6 Massachusetts         0.09%         131           7 Vermont         0.09%         128           8 California         0.09%         127           9 Connecticut         0.09%         126           10 Maryland         0.09%         124           11 Texas         0.08%         116           12 New York         0.08%         115           13 Georgia         0.08%         114           14 Arizona         0.08%         114           15 Delaware         0.08%         113           16 Illinois         0.08%         112           17 Ohio         0.08%         110           18 Oklahoma         0.08%         106           19 Arkansas         0.07%         103           20 Pennsylvania         0.07%         103           20 Pennsylvania         0.07%         100           21 Kansas         0.07%         100           21 Kansas         0.07%         100           22 Nebraska         0.07%         99           23 North Carolina         0.07%         99           24 New Mexico         0.07%         94           25 Missouri         0.07%         93	4						
7         Vermont         0.09%         127           8         California         0.09%         127           9         Connecticut         0.09%         126           10         Maryland         0.09%         124           11         Texas         0.08%         116           12         New York         0.08%         115           13         Georgia         0.08%         114           14         Arizona         0.08%         114           15         Delaware         0.08%         113           16         Illinois         0.08%         112           17         Ohio         0.08%         110           18         Oklahoma         0.08%         106           19         Arkansas         0.07%         103           20         Pennsylvania         0.07%         100           21         Kansas         0.07%         99           22         Nebraska         0.07%         99           23         North Carolina         0.07%         95           24         New Mexico         0.07%         94           25         Missouri         0.07%	5						
8 California         0.09%         127           9 Connecticut         0.09%         126           10 Maryland         0.09%         124           11 Texas         0.08%         116           12 New York         0.08%         115           13 Georgia         0.08%         114           14 Arizona         0.08%         114           15 Delaware         0.08%         113           16 Illinois         0.08%         112           17 Ohio         0.08%         110           18 Oklahoma         0.08%         106           19 Arkansas         0.07%         103           20 Pennsylvania         0.07%         100           21 Kansas         0.07%         99           22 Nebraska         0.07%         99           23 North Carolina         0.07%         95           24 New Mexico         0.07%         94           25 Missouri         0.07%         93           26 Hawaii         0.06%         91           27 Utah         0.06%         87           29 Wisconsin         0.06%         80           30 Minnesota         0.06%         80           31 Flori	6						
9 Connecticut 0.09% 126 10 Maryland 0.09% 124 11 Texas 0.08% 116 12 New York 0.08% 115 13 Georgia 0.08% 114 14 Arizona 0.08% 114 15 Delaware 0.08% 113 16 Illinois 0.08% 110 17 Ohio 0.08% 110 18 Oklahoma 0.08% 106 19 Arkansas 0.07% 103 20 Pennsylvania 0.07% 100 21 Kansas 0.07% 99 22 Nebraska 0.07% 99 23 North Carolina 0.07% 95 Awe Mexico 0.07% 94 4 New Mexico 0.07% 93 26 Hawaii 0.06% 91 27 Utah 0.06% 89 18 Indiana 0.06% 87 29 Wisconsin 0.06% 81 31 Florida 0.06% 80 32 Iowa 0.06% 81 31 Florida 0.06% 80 32 Iowa 0.06% 78 33 New Hampshire 0.05% 75 34 Alaska 0.05% 74 35 Michigan 0.05% 66 36 Tennessee 0.05% 64 37 Oregon 0.04% 59 39 Maine 0.04% 56 40 South Carolina 0.03% 49 42 North Dakota 0.03% 49 44 Puerto Rico 0.03% 49 45 Mississippi 0.03% 40 46 Montana 0.03% 47 47 Louisiana 0.03% 40 48 Nevada 0.03% 37 50 South Dakota 0.02% 30 51 Wyoming 0.02% 27 52 Washington 0.00% -5 53 Guam 0.00% -5							
10         Maryland         0.09%         124           11         Texas         0.08%         116           12         New York         0.08%         115           13         Georgia         0.08%         114           14         Arizona         0.08%         114           15         Delaware         0.08%         113           16         Illinois         0.08%         110           18         Oklahoma         0.08%         106           19         Arkansas         0.07%         103           20         Pennsylvania         0.07%         103           20         Pennsylvania         0.07%         100           21         Kansas         0.07%         99           22         Nebraska         0.07%         99           23         North Carolina         0.07%         94           25         Missouri         0.07%         94           25         Missouri         0.07%         93           26         Hawaii         0.06%         91           27         Utah         0.06%         89           28         Indiana         0.06% <td< td=""><td></td><td></td><td></td><td></td></td<>							
11         Texas         0.08%         116           12         New York         0.08%         115           13         Georgia         0.08%         114           14         Arizona         0.08%         114           15         Delaware         0.08%         112           16         Illinois         0.08%         110           18         Oklahoma         0.08%         106           19         Arkansas         0.07%         103           20         Pennsylvania         0.07%         103           20         Pennsylvania         0.07%         100           21         Kansas         0.07%         100           21         Kansas         0.07%         99           23         North Carolina         0.07%         99           23         North Carolina         0.07%         94           25         Missouri         0.07%         94           25         Missouri         0.07%         93           26         Hawaii         0.06%         91           27         Utah         0.06%         89           28         Indiana         0.06%							
12         New York         0.08%         115           13         Georgia         0.08%         114           14         Arizona         0.08%         114           15         Delaware         0.08%         113           16         Illinois         0.08%         110           17         Ohio         0.08%         106           19         Arkansas         0.07%         103           20         Pennsylvania         0.07%         100           21         Kansas         0.07%         99           22         Nebraska         0.07%         99           23         North Carolina         0.07%         99           24         New Mexico         0.07%         94           25         Missouri         0.07%         93           26         Hawaii         0.06%         91           27         Utah         0.06%         89           28         Indiana         0.06%         89           28         Indiana         0.06%         86           30         Minnesota         0.06%         80           31         Florida         0.06%         80 <td></td> <td></td> <td></td> <td></td>							
13         Georgia         0.08%         114           14         Arizona         0.08%         114           15         Delaware         0.08%         113           16         Illinois         0.08%         110           17         Ohio         0.08%         106           19         Arkansas         0.07%         103           20         Pennsylvania         0.07%         100           21         Kansas         0.07%         99           22         Nebraska         0.07%         99           23         North Carolina         0.07%         95           24         New Mexico         0.07%         94           25         Missouri         0.07%         93           26         Hawaii         0.06%         91           27         Utah         0.06%         89           28         Indiana         0.06%         89           28         Indiana         0.06%         86           30         Minnesota         0.06%         86           31         Florida         0.06%         81           31         Florida         0.06%         80							
14         Arizona         0.08%         114           15         Delaware         0.08%         113           16         Illinois         0.08%         112           17         Ohio         0.08%         106           19         Arkansas         0.07%         103           20         Pennsylvania         0.07%         100           21         Kansas         0.07%         99           22         Nebraska         0.07%         99           23         North Carolina         0.07%         95           24         New Mexico         0.07%         94           25         Missouri         0.07%         93           26         Hawaii         0.06%         91           27         Utah         0.06%         89           28         Indiana         0.06%         89           28         Indiana         0.06%         86           30         Minnesota         0.06%         81           31         Florida         0.06%         81           31         Florida         0.06%         80           32         Iowa         0.06%         78							
15         Delaware         0.08%         113           16         Illinois         0.08%         112           17         Ohio         0.08%         110           18         Oklahoma         0.08%         106           19         Arkansas         0.07%         103           20         Pennsylvania         0.07%         100           21         Kansas         0.07%         99           22         Nebraska         0.07%         99           23         North Carolina         0.07%         95           24         New Mexico         0.07%         94           25         Missouri         0.07%         93           26         Hawaii         0.06%         91           27         Utah         0.06%         89           28         Indiana         0.06%         89           28         Indiana         0.06%         86           30         Minnesota         0.06%         81           31         Florida         0.06%         81           31         Florida         0.06%         80           32         Iowa         0.06%         78		Georgia					
16         Illinois         0.08%         112           17         Ohio         0.08%         110           18         Oklahoma         0.08%         106           19         Arkansas         0.07%         103           20         Pennsylvania         0.07%         100           21         Kansas         0.07%         99           22         Nebraska         0.07%         99           23         North Carolina         0.07%         94           25         Missouri         0.07%         94           25         Missouri         0.07%         93           26         Hawaii         0.06%         91           27         Utah         0.06%         89           28         Indiana         0.06%         89           28         Indiana         0.06%         86           30         Minnesota         0.06%         86           31         Florida         0.06%         81           31         Florida         0.06%         80           32         Iowa         0.06%         80           33         New Hampshire         0.05%         75	14						
17         Ohio         0.08%         110           18         Oklahoma         0.08%         106           19         Arkansas         0.07%         103           20         Pennsylvania         0.07%         100           21         Kansas         0.07%         99           22         Nebraska         0.07%         99           23         North Carolina         0.07%         94           25         Missouri         0.07%         94           25         Missouri         0.07%         93           26         Hawaii         0.06%         91           27         Utah         0.06%         89           28         Indiana         0.06%         89           28         Indiana         0.06%         86           30         Minnesota         0.06%         86           30         Minnesota         0.06%         81           31         Florida         0.06%         80           32         Iowa         0.06%         80           32         Iowa         0.06%         78           33         New Hampshire         0.05%         74							
18         Oklahoma         0.08%         106           19         Arkansas         0.07%         103           20         Pennsylvania         0.07%         100           21         Kansas         0.07%         99           22         Nebraska         0.07%         99           23         North Carolina         0.07%         95           24         New Mexico         0.07%         94           25         Missouri         0.07%         94           25         Missouri         0.07%         93           26         Hawaii         0.06%         91           27         Utah         0.06%         89           28         Indiana         0.06%         89           28         Indiana         0.06%         87           29         Wisconsin         0.06%         86           30         Minnesota         0.06%         81           31         Florida         0.06%         80           32         Iowa         0.06%         78           33         New Hampshire         0.05%         75           34         Alaska         0.05%         74 <td>16</td> <td></td> <td></td> <td></td>	16						
19         Arkansas         0.07%         103           20         Pennsylvania         0.07%         100           21         Kansas         0.07%         99           22         Nebraska         0.07%         95           23         North Carolina         0.07%         94           25         Missouri         0.07%         94           25         Missouri         0.07%         93           26         Hawaii         0.06%         91           27         Utah         0.06%         89           28         Indiana         0.06%         89           28         Indiana         0.06%         87           29         Wisconsin         0.06%         86           30         Minnesota         0.06%         81           31         Florida         0.06%         80           32         Iowa         0.06%         80           32         Iowa         0.06%         78           33         New Hampshire         0.05%         75           34         Alaska         0.05%         74           35         Michigan         0.05%         66	17	Ohio		110			
20         Pennsylvania         0.07%         100           21         Kansas         0.07%         99           22         Nebraska         0.07%         95           23         North Carolina         0.07%         94           25         Missouri         0.07%         93           26         Hawaii         0.06%         91           27         Utah         0.06%         89           28         Indiana         0.06%         87           29         Wisconsin         0.06%         86           30         Minnesota         0.06%         81           31         Florida         0.06%         80           32         Iowa         0.06%         80           32         Iowa         0.06%         80           33         New Hampshire         0.05%         75           34         Alaska         0.05%         75           34         Alaska         0.05%         74           35         Michigan         0.05%         64           37         Oregon         0.04%         59           39         Maine         0.04%         54	18	Oklahoma					
21         Kansas         0.07%         99           22         Nebraska         0.07%         95           23         North Carolina         0.07%         94           25         Missouri         0.07%         93           26         Hawaii         0.06%         91           27         Utah         0.06%         89           28         Indiana         0.06%         87           29         Wisconsin         0.06%         86           30         Minnesota         0.06%         81           31         Florida         0.06%         80           32         Iowa         0.06%         80           32         Iowa         0.06%         80           33         New Hampshire         0.05%         75           34         Alaska         0.05%         74           35         Michigan         0.05%         74           35         Michigan         0.05%         64           37         Oregon         0.04%         52           38         Alabama         0.04%         54           40         South Carolina         0.04%         54 </td <td>19</td> <td>Arkansas</td> <td>0.07%</td> <td></td>	19	Arkansas	0.07%				
22         Nebraska         0.07%         99           23         North Carolina         0.07%         95           24         New Mexico         0.07%         94           25         Missouri         0.07%         93           26         Hawaii         0.06%         91           27         Utah         0.06%         89           28         Indiana         0.06%         87           29         Wisconsin         0.06%         86           30         Minnesota         0.06%         81           31         Florida         0.06%         81           31         Florida         0.06%         80           32         Iowa         0.06%         80           32         Iowa         0.06%         78           33         New Hampshire         0.05%         75           34         Alaska         0.05%         74           35         Michigan         0.05%         66           36         Tennessee         0.05%         64           37         Oregon         0.04%         59           39         Maine         0.04%         54	20	Pennsylvania		100			
23         North Carolina         0.07%         95           24         New Mexico         0.07%         94           25         Missouri         0.07%         93           26         Hawaii         0.06%         91           27         Utah         0.06%         89           28         Indiana         0.06%         87           29         Wisconsin         0.06%         86           30         Minnesota         0.06%         81           31         Florida         0.06%         80           32         Iowa         0.06%         80           32         Iowa         0.06%         80           32         Iowa         0.06%         80           33         New Hampshire         0.05%         75           34         Alaska         0.05%         74           35         Michigan         0.05%         66           37         Oregon         0.04%         62           38         Alabama         0.04%         59           39         Maine         0.04%         56           40         South Carolina         0.04%         54	21	Kansas		99			
24         New Mexico         0.07%         94           25         Missouri         0.07%         93           26         Hawaii         0.06%         91           27         Utah         0.06%         89           28         Indiana         0.06%         87           29         Wisconsin         0.06%         86           30         Minnesota         0.06%         81           31         Florida         0.06%         80           32         Iowa         0.06%         78           33         New Hampshire         0.05%         75           34         Alaska         0.05%         74           35         Michigan         0.05%         64           37         Oregon         0.04%         62           38         Alabama         0.04%         59           39         Maine         0.04%         59           39         Maine         0.04%         54           40         South Carolina         0.04%         54           41         Kentucky         0.03%         49           42         North Dakota         0.03%         46 </td <td>22</td> <td>Nebraska</td> <td>0.07%</td> <td>99</td>	22	Nebraska	0.07%	99			
25         Missouri         0.07%         93           26         Hawaii         0.06%         91           27         Utah         0.06%         89           28         Indiana         0.06%         87           29         Wisconsin         0.06%         86           30         Minnesota         0.06%         81           31         Florida         0.06%         80           32         Iowa         0.06%         78           33         New Hampshire         0.05%         75           34         Alaska         0.05%         74           35         Michigan         0.05%         66           36         Tennessee         0.05%         64           37         Oregon         0.04%         62           38         Alabama         0.04%         59           39         Maine         0.04%         59           39         Maine         0.04%         54           40         South Carolina         0.04%         54           41         Kentucky         0.03%         48           43         Idaho         0.03%         48	23	North Carolina	0.07%	95			
26         Hawaii         0.06%         91           27         Utah         0.06%         89           28         Indiana         0.06%         87           29         Wisconsin         0.06%         86           30         Minnesota         0.06%         81           31         Florida         0.06%         80           32         Iowa         0.06%         78           33         New Hampshire         0.05%         75           34         Alaska         0.05%         74           35         Michigan         0.05%         66           36         Tennessee         0.05%         64           37         Oregon         0.04%         62           38         Alabama         0.04%         59           39         Maine         0.04%         56           40         South Carolina         0.04%         54           41         Kentucky         0.03%         49           42         North Dakota         0.03%         47           44         Puerto Rico         0.03%         46           45         Mississippi         0.03%         40 <td>24</td> <td>New Mexico</td> <td>0.07%</td> <td>94</td>	24	New Mexico	0.07%	94			
27         Utah         0.06%         89           28         Indiana         0.06%         87           29         Wisconsin         0.06%         86           30         Minnesota         0.06%         81           31         Florida         0.06%         80           32         Iowa         0.06%         78           33         New Hampshire         0.05%         75           34         Alaska         0.05%         74           35         Michigan         0.05%         66           36         Tennessee         0.05%         64           37         Oregon         0.04%         62           38         Alabama         0.04%         59           39         Maine         0.04%         56           40         South Carolina         0.04%         54           41         Kentucky         0.03%         49           42         North Dakota         0.03%         47           44         Puerto Rico         0.03%         46           45         Mississippi         0.03%         40           47         Louisiana         0.03%         40<	25	Missouri	0.07%	93			
28         Indiana         0.06%         87           29         Wisconsin         0.06%         86           30         Minnesota         0.06%         81           31         Florida         0.06%         80           32         Iowa         0.06%         78           33         New Hampshire         0.05%         75           34         Alaska         0.05%         74           35         Michigan         0.05%         66           36         Tennessee         0.05%         64           37         Oregon         0.04%         62           38         Alabama         0.04%         59           39         Maine         0.04%         56           40         South Carolina         0.04%         54           41         Kentucky         0.03%         49           42         North Dakota         0.03%         47           44         Puerto Rico         0.03%         46           45         Mississippi         0.03%         40           47         Louisiana         0.03%         40           48         Nevada         0.03%         3	26	Hawaii		91			
29         Wisconsin         0.06%         86           30         Minnesota         0.06%         81           31         Florida         0.06%         80           32         Iowa         0.06%         78           33         New Hampshire         0.05%         75           34         Alaska         0.05%         74           35         Michigan         0.05%         66           36         Tennessee         0.05%         64           37         Oregon         0.04%         62           38         Alabama         0.04%         59           39         Maine         0.04%         56           40         South Carolina         0.04%         54           41         Kentucky         0.03%         49           42         North Dakota         0.03%         48           43         Idaho         0.03%         47           44         Puerto Rico         0.03%         46           45         Mississisppi         0.03%         40           47         Louisiana         0.03%         40           48         Nevada         0.03%         37	27	Utah	0.06%	89			
30         Minnesota         0.06%         81           31         Florida         0.06%         80           32         Iowa         0.06%         78           33         New Hampshire         0.05%         75           34         Alaska         0.05%         66           35         Michigan         0.05%         64           37         Oregon         0.04%         62           38         Alabama         0.04%         59           39         Maine         0.04%         56           40         South Carolina         0.04%         54           41         Kentucky         0.03%         49           42         North Dakota         0.03%         48           43         Idaho         0.03%         47           44         Puerto Rico         0.03%         46           45         Mississisppi         0.03%         40           47         Louisiana         0.03%         40           48         Nevada         0.03%         39           49         West Virginia         0.03%         37           50         South Dakota         0.02%	28	Indiana	0.06%	87			
31         Florida         0.06%         80           32         Iowa         0.06%         78           33         New Hampshire         0.05%         75           34         Alaska         0.05%         66           35         Michigan         0.05%         64           36         Tennessee         0.05%         64           37         Oregon         0.04%         62           38         Alabama         0.04%         59           39         Maine         0.04%         56           40         South Carolina         0.04%         54           41         Kentucky         0.03%         49           42         North Dakota         0.03%         48           43         Idaho         0.03%         47           44         Puerto Rico         0.03%         46           45         Mississisppi         0.03%         40           47         Louisiana         0.03%         40           48         Nevada         0.03%         39           49         West Virginia         0.03%         37           50         South Dakota         0.02%	29	Wisconsin	0.06%				
32         Iowa         0.06%         78           33         New Hampshire         0.05%         75           34         Alaska         0.05%         74           35         Michigan         0.05%         66           36         Tennessee         0.05%         64           37         Oregon         0.04%         62           38         Alabama         0.04%         59           39         Maine         0.04%         56           40         South Carolina         0.04%         54           41         Kentucky         0.03%         49           42         North Dakota         0.03%         48           43         Idaho         0.03%         47           44         Puerto Rico         0.03%         46           45         Mississisppi         0.03%         43           46         Montana         0.03%         40           47         Louisiana         0.03%         40           48         Nevada         0.03%         37           50         South Dakota         0.02%         30           51         Wyoming         0.02%         2	30	Minnesota					
33         New Hampshire         0.05%         75           34         Alaska         0.05%         74           35         Michigan         0.05%         66           36         Tennessee         0.05%         64           37         Oregon         0.04%         62           38         Alabama         0.04%         59           39         Maine         0.04%         56           40         South Carolina         0.04%         54           41         Kentucky         0.03%         49           42         North Dakota         0.03%         48           43         Idaho         0.03%         47           44         Puerto Rico         0.03%         46           45         Mississisppi         0.03%         43           46         Montana         0.03%         40           47         Louisiana         0.03%         39           49         West Virginia         0.03%         37           50         South Dakota         0.02%         30           51         Wyoming         0.02%         27           52         Washington         0.00%	31	Florida					
34         Alaska         0.05%         74           35         Michigan         0.05%         66           36         Tennessee         0.05%         64           37         Oregon         0.04%         52           38         Alabama         0.04%         59           39         Maine         0.04%         56           40         South Carolina         0.04%         54           41         Kentucky         0.03%         49           42         North Dakota         0.03%         48           43         Idaho         0.03%         47           44         Puerto Rico         0.03%         46           45         Mississisppi         0.03%         43           46         Montana         0.03%         40           47         Louisiana         0.03%         40           48         Nevada         0.03%         39           49         West Virginia         0.03%         37           50         South Dakota         0.02%         30           51         Wyoming         0.02%         27           52         Washington         0.00%	32		0.06%				
35         Michigan         0.05%         66           36         Tennessee         0.05%         64           37         Oregon         0.04%         62           38         Alabama         0.04%         59           39         Maine         0.04%         56           40         South Carolina         0.04%         54           41         Kentucky         0.03%         49           42         North Dakota         0.03%         48           43         Idaho         0.03%         47           44         Puerto Rico         0.03%         46           45         Mississisippi         0.03%         43           46         Montana         0.03%         40           47         Louisiana         0.03%         40           48         Nevada         0.03%         39           49         West Virginia         0.03%         37           50         South Dakota         0.02%         30           51         Wyoming         0.02%         27           52         Washington         0.00%         -           53         Guam         0.00%         <	33	New Hampshire	0.05%				
36         Tennessee         0.05%         64           37         Oregon         0.04%         62           38         Alabama         0.04%         59           39         Maine         0.04%         56           40         South Carolina         0.04%         54           41         Kentucky         0.03%         49           42         North Dakota         0.03%         47           44         Puerto Rico         0.03%         46           45         Mississisppi         0.03%         43           46         Montana         0.03%         40           47         Louisiana         0.03%         40           48         Nevada         0.03%         39           49         West Virginia         0.03%         37           50         South Dakota         0.02%         30           51         Wyoming         0.02%         27           52         Washington         0.00%         -           53         Guam         0.00%         -	34	Alaska	0.05%	74			
37         Oregon         0.04%         62           38         Alabama         0.04%         59           39         Maine         0.04%         56           40         South Carolina         0.04%         54           41         Kentucky         0.03%         49           42         North Dakota         0.03%         48           43         Idaho         0.03%         47           44         Puerto Rico         0.03%         46           45         Mississippi         0.03%         43           46         Montana         0.03%         40           47         Louisiana         0.03%         40           48         Nevada         0.03%         39           49         West Virginia         0.03%         37           50         South Dakota         0.02%         30           51         Wyoming         0.02%         27           52         Washington         0.00%         -           53         Guam         0.00%         -							
37         Oregon         0.04%         62           38         Alabama         0.04%         59           39         Maine         0.04%         56           40         South Carolina         0.04%         54           41         Kentucky         0.03%         49           42         North Dakota         0.03%         48           43         Idaho         0.03%         47           44         Puerto Rico         0.03%         46           45         Mississippi         0.03%         43           46         Montana         0.03%         40           47         Louisiana         0.03%         40           48         Nevada         0.03%         39           49         West Virginia         0.03%         37           50         South Dakota         0.02%         30           51         Wyoming         0.02%         27           52         Washington         0.00%         -           53         Guam         0.00%         -	36	Tennessee					
39         Maine         0.04%         56           40         South Carolina         0.04%         54           41         Kentucky         0.03%         49           42         North Dakota         0.03%         48           43         Idaho         0.03%         47           44         Puerto Rico         0.03%         46           45         Mississippi         0.03%         40           47         Louisiana         0.03%         40           48         Nevada         0.03%         39           49         West Virginia         0.03%         37           50         South Dakota         0.02%         30           51         Wyoming         0.02%         27           52         Washington         0.00%         -           53         Guam         0.00%         -							
40         South Carolina         0.04%         54           41         Kentucky         0.03%         49           42         North Dakota         0.03%         48           43         Idaho         0.03%         47           44         Puerto Rico         0.03%         46           45         Mississippi         0.03%         43           46         Montana         0.03%         40           47         Louisiana         0.03%         39           49         West Virginia         0.03%         37           50         South Dakota         0.02%         30           51         Wyoming         0.02%         27           52         Washington         0.00%         -           53         Guam         0.00%         -	38	Alabama					
41       Kentucky       0.03%       49         42       North Dakota       0.03%       48         43       Idaho       0.03%       47         44       Puerto Rico       0.03%       46         45       Mississippi       0.03%       43         46       Montana       0.03%       40         47       Louisiana       0.03%       39         49       West Virginia       0.03%       37         50       South Dakota       0.02%       30         51       Wyoming       0.02%       27         52       Washington       0.00%       -         53       Guam       0.00%       -	39						
42         North Dakota         0.03%         48           43         Idaho         0.03%         47           44         Puerto Rico         0.03%         46           45         Mississippi         0.03%         43           46         Montana         0.03%         40           47         Louisiana         0.03%         40           48         Nevada         0.03%         39           49         West Virginia         0.03%         37           50         South Dakota         0.02%         30           51         Wyoming         0.02%         27           52         Washington         0.00%         -           53         Guam         0.00%         -	40						
43         Idaho         0.03%         47           44         Puerto Rico         0.03%         46           45         Mississippi         0.03%         43           46         Montana         0.03%         40           47         Louisiana         0.03%         40           48         Nevada         0.03%         39           49         West Virginia         0.03%         37           50         South Dakota         0.02%         30           51         Wyoming         0.02%         27           52         Washington         0.00%         -           53         Guam         0.00%         -	41						
44         Puerto Rico         0.03%         46           45         Mississippi         0.03%         43           46         Montana         0.03%         40           47         Louisiana         0.03%         40           48         Nevada         0.03%         39           49         West Virginia         0.03%         37           50         South Dakota         0.02%         30           51         Wyoming         0.02%         27           52         Washington         0.00%         -           53         Guam         0.00%         -		<del></del>					
45         Mississippi         0.03%         43           46         Montana         0.03%         40           47         Louisiana         0.03%         40           48         Nevada         0.03%         39           49         West Virginia         0.03%         37           50         South Dakota         0.02%         30           51         Wyoming         0.02%         27           52         Washington         0.00%         -           53         Guam         0.00%         -		<del></del>					
46       Montana       0.03%       40         47       Louisiana       0.03%       40         48       Nevada       0.03%       39         49       West Virginia       0.03%       37         50       South Dakota       0.02%       30         51       Wyoming       0.02%       27         52       Washington       0.00%       -         53       Guam       0.00%       -	-						
47       Louisiana       0.03%       40         48       Nevada       0.03%       39         49       West Virginia       0.03%       37         50       South Dakota       0.02%       30         51       Wyoming       0.02%       27         52       Washington       0.00%       -         53       Guam       0.00%       -	_	<del></del>					
48       Nevada       0.03%       39         49       West Virginia       0.03%       37         50       South Dakota       0.02%       30         51       Wyoming       0.02%       27         52       Washington       0.00%       -         53       Guam       0.00%       -							
49       West Virginia       0.03%       37         50       South Dakota       0.02%       30         51       Wyoming       0.02%       27         52       Washington       0.00%       -         53       Guam       0.00%       -							
50         South Dakota         0.02%         30           51         Wyoming         0.02%         27           52         Washington         0.00%         -           53         Guam         0.00%         -							
51         Wyoming         0.02%         27           52         Washington         0.00%         -           53         Guam         0.00%         -							
52         Washington         0.00%         -           53         Guam         0.00%         -							
53 Guam 0.00% -							
54 Virgin Islands 0.00% -				+			
	54	Virgin Islands	0.00%	<u> </u>			

ICE: Office of Technology Policy, U.S. Department of Commerce

ERIC ta not available

Table 7. 1998 State Employment of Computer Support Specialists

# Ranking by

Number Employed						
Rank	State	Number Employed				
1	California	57,940				
2	Texas	35,460				
3	New York	30,290				
4	Florida	21,380				
5	Illinois	19,300				
6	Pennsylvania	18,870				
7	Massachusetts	18,430				
8	New Jersey	18,080				
9	Washington	16,090				
10	Ohio	15,960				
11	Virginia	15,170				
12	.Colorado	13,970				
13	Georgia	13,450				
14	North Carolina	13,050				
15	Maryland	11,280				
16	Michigan	11,130				
17	Minnesota	10,500				
18	Missouri	8,600				
19	Wisconsin	8,230				
20	Arizona	8,160				
21	Oregon	7,450				
22	Tennessee	6,660				
23	Connecticut	6,400				
24	Indiana	6,150				
25	Utah	5,260				
26	Kansas	4,390				
27	Kentucky	4,390				
28	Alabama	4,050				
29	lowa	4,030				
30	Oklahoma	3,980				
31	Nebraska	3,390				
32	South Carolina	3,280				
33	North Dakota	2,960				
34	Louisiana	2730				
35	District of Columbia	2,610				
36	Delaware	2,280				
37	Nevada	2,250				
38	South Dakota	2,040				
39	New Hampshire	1,950				
40	New Mexico	1,740				
41	Arkansas	1,700				
42	Maine	1,660				
43	Idaho	1,630				
44	Vermont	1,460				
45	Puerto Rico	1290				
46	Mississippi	1,180				
47	Rhode Island	1100				
48	Hawaii	1,040				
49	Montana	970				
50	West Virginia	920				
51	Alaska	730				
52	Wyoming	310				
53	Guam	80				
54	Virgin Islands	40				

# Ranking by Annual Average Wages

Rank	State	A۱	nnual /erage /ages					
		_	-					
1	New Jersey	\$	47,100					
2	Connecticut	\$	46,990					
3	New York	\$	46,970					
4	California	\$	46,830					
5	Massachusetts	\$	46,370					
6 7	Delaware	\$	44,250					
8	Illinois Alaska	<b>\$</b>	43,420 42,330					
9	Maryland	\$	41,560					
10	Michigan	\$	41,480					
11	District of Columbia	\$	41,170					
12	Texas	\$	40,840					
13	Hawaii	\$	40,310					
14	Minnesota	\$	40,250					
15	Rhode Island	\$	40,230					
16	New Hampshire	\$	39,830					
17	North Carolina	\$	39,320					
18	Missouri	\$	38,830					
19	Arizona	\$	38,730					
20	Pennsylvania	\$	38,600					
21	Kansas	\$	38,430					
22	Washington	\$	37,920					
23	Virginia	\$	37,830					
24	Georgia	\$	37,510					
25	Ohio	\$	37,480					
26	Wisconsin	\$	37,440					
27	Colorado	\$	37,350					
28	Florida	\$	37,130					
29_	Vermont	\$	37,020					
30	Tennessee	\$	36,940					
31	Indiana	\$	36,200					
32	Nevada	\$	35,870					
33	Alabama	\$	35,670					
34	Oregon	\$	35,490					
35	New Mexico	\$	35,400					
36	Iowa	\$	34,870					
37	Kentucky	\$	34,810					
38	South Carolina	\$	34,640					
39	Virgin Islands	\$	33,860					
40	Louisiana	\$	33,700					
41	Mississippi Utob	\$	33,050					
42	Utah	\$	32,870					
43	Nebraska West Virginia	\$	32,660 32,510					
45	Idaho	\$	32,270					
46	Arkansas	\$	31,850					
47	Montana	\$	31,180					
48	Wyoming	\$	31,170					
49	Maine	\$	30,570					
50	Guam	\$	29,970					
51	Puerto Rico	\$	29,350					
52	Oklahoma	\$	27,920					
53	South Dakota	\$	25,350					
54	North Dakota	\$	23,570					
		<u> </u>						

## Ranking by

Intensity							
Rank	State	Intensity	State Index US=100				
1	North Dakota	1.00%	272				
2	Colorado	0.70%	189				
3	Washington	0.70%	183				
4	Delaware	0.65%	176				
5	District of Columbia	0.65%	176				
6	South Dakota	0.61%	165				
$\frac{3}{7}$	Massachusetts	0.59%	160				
8	Vermont	0.55%	149				
9	Utah	0.53%	147				
10	Maryland	0.54%	134				
11		0.49%	134				
_	Oregon	0.49%	132				
12	New Jersey	0.49%	127				
13	Virginia		114				
14	Minnesota	0.42%	114				
15	California	0.42% 0.40%	114				
16	Nebraska						
17	Texas	0.40%	109				
18	Arizona	0.40%	108				
19	Connecticut	0.39%	107				
20	New York	0.37%	102				
21	Georgia	0.37%	100				
22	North Carolina	0.35%	96				
23	Pennsylvania	0.35%	95				
24	New Hampshire	0.35%	94				
25	Kansas	0.34%	93				
26	Illinois	0.33%	90				
27	Missouri	0.33%	90				
28	Florida	0.32%	88				
29	Idaho	0.32%	87				
30	Wisconsin	0.31%	85				
31	Maine	0.30%	81_				
32	Ohio	0.29%	80				
33	Alaska	0.29%	79				
34	Oklahoma	0.29%	79				
35	Iowa	0.29%	78				
36	Montana	0.27%					
37	New Mexico	0.26%					
38	Kentucky	0.26%					
39	Tennessee	0.26%					
40	Michigan	0.25%					
41	Rhode Island	0.25%					
42	Nevada	0.25%					
43	Alabama	0.22%					
44	Hawaii	0.22%					
45	Indiana	0.21%					
46	South Carolina	0.19%	<del></del>				
47	Guam	0.16%					
48	Arkansas	0.16%					
49	Virgin Islands	0.15%					
50	Louisiana	0.15%					
51	Wyoming	0.15%	<del></del>				
52	Puerto Rico	0.14%					
53	West Virginia	0.14%					
54	Mississippi	0.11%	29				

ICE: Office of Technology Policy, U.S. Department of Commerce



**Table 8. State Ordinal Rankings of Core IT Work Force Occupations** 

	Core cupations			omput nginee			ì	omput			Syste	ems An	alysts
Size of Work Force	Intensity		Size of Work Force	Annual Average Wages	Intensity		Size of Work Force	Annual Average Wages	Intensity		Size of Work Force	Annual Average Wages	Intensity
25	š <b>37</b>	Alabama	23	24	25		24	35	35.		· 23	32	28
50 19	35 16	Alaska Arizona	49	19	45 17		46	15	25	50.5 T	46 20	12 23	33 17
38	-16 48	Arkansas	19 39	6 50	42		19. 39	9 40	14 52	Z.L	36	49	47
30	9	California	. 1	50	5	\$ Q	11.	2	10	16	- 1	8	∵714
14	1	Colorado	8	4	2	-	15	11	4	344.250	16	. 2	7
21	7	Connecticut	18	8	8	X,	21	4	12		17	5	⊹∷ 6
36	6	Delaware	41	9	35		41	12	15	য়েংক	33	14	3
34	11 27	District of Columbia Florida	29 10	<u>2</u> 14	6 24	****	35 7	22 29	6 28		52	52 27	52 19
6 ুুুুুুুুুুুুুু	27 12	Georgia		23	16	520	/ 12	29 7	17	7	12	11	# 10
53	49	Guam	53	53	53		53	45	46		51	47	39
45	42	Hawaii	42	29	40	7.7	44	44	40	2	38	39	26
41	36	Idaho	32	37	19		48	36	50	*******	42	37	41
4	10	Illinois	5	40	12	24	4	20	5.	23	4	17	. 9
22 29	40 32	Indiana Iowa	20 26	41 42	30 26	7.35	23 28	39 43	38 33	17.38	21 - 30	25 41	32 38
30	34	Kansas	34	44	36	SLC)	30	31	32	السند	31	20	35
- 28	41	Kentucky	28	47	32		33	46	.48	7.	- 24	33	25
33	46	Louisiana	38	48	47		31	41	41		29	44	43
44	43	Maine	43	34	44		45	42	49		41	, 19	. 40
13	4	Maryland	12	18	4	22700	13	6	2	<b>.</b>	11	9	2
8	3 23	Massachusetts Michigan	3° 14	1 27	1 22	33	9. 11		22	111	13 9	7 36	. 8 12
12 16		Minnesota	. 14 . 16-	20	10	<u>7</u> X	18	27	18		14	6	5
39	52	Mississippi	37	45	39		36	49	44	ailiúin	37	45	49
18	∜24	Missouri	22	31.	31	23	- 16	23	: 13		19	10	22
51	45	Montana	50	28	48	3C:188	50	47	47	war	47	46	45
31	13	Nebraska	30	32	27		27	. 37	8		28	35	11
40 35	47 26	Nevada New Hampshire	45 52	16 52	49 52		38 34	25 8	43 16	35	43 34	29 16	50 16
7	5	New Jersey	7	10	7	3	6	1	3		6	1	4
37			33	25	28.	143.	42	38	45	Ö	35		24
3	15	New York	6	12	23	Paradia.	2	5	9		3	4	15
15		North Carolina	11	15	14		1.4	10	21		15	21	21
46		North Dakota	46	13 35	38		51	50	51	77575	49	50	48
10 27	31	Ohio Oklahoma	15 31	43	29 34	TES.	<b>8</b> 26	28 24	24 29	(de	10 27	31 30	23 30
24		Oregon	21	3	15	17	25	17	30	, Electrical control of the control	25	13	29
9	22	Pennsylvania	9	17	18		10	18	31	45	8	22	18
42		Puerto Rico	48	51	50		37	53	39		39	51	46
43	30		35	7	20		40	21	23	~	44	15	37
32			36	38	43		. 29	33	37	ستثف	26	42	36
49 23			47 27	49 39	41 37		49 22	51 19	36 34	W.	48 22	24 43	44 31
2	17	Texas	2	21	13	, etcher	3	13	20	w	2	18	13
26		Utah	24	26	25°11	Tr.	32	30	26	Ž.	32	38	27
47	20		40	33	21	- Andrews	43	34	19		45	28	34
54	54		54	54	54		54	54	54		54	54	- 54
5 17	2 19	Virginia Washington	17	22	3  9		5 17	26	1	757	5 53	3 53	1
48		West Virginia	44	36	46		47	1 <u>4</u> 48	53		40	40	2 53 42
20			25	30	33	(K.)	20	32	27		<b>318</b>	34	20
52	53		51	46	51	1	52	52	42	I	50	48	51

SOURCE: Office of Technology Policy, U.S. Department of Commerce

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Table 8. Ordinal Rankings (continued)

	All Other Computer Scientists				Database Administrators				Computer Supp Specialists		
	Size of Work Force	Annual Average Wages	Intensity		Size of Work Force	Annual Average Wages	Intensity		Size of Work Force	Annual Average Wages	Intensity
Alabama	-28	18	∵ `35∗		28	33	38	F.38	28	33°	43
Alaska	46	11	38		47	8	34	Second Co	51	8	33
Arizona	20	27	22	<u> </u>	18	<u>. 5</u>	14		20	़ <u>्19</u>	18
Arkansas	39	46	43	geseg	25 1	18 3	19 8	<b>#17</b> 7	41	46 - 4	48 15
California Colorado	े े ी 7	7 6		اِنگل <b>ىد</b> ۇ	13	9	2	Lin	12	27	
Connecticut	22	. 5	19	ŽŽ.	20	4	9	K.	23	 2	19
Delaware	30	2	3	*****	41	12	15	Colai.	36	6	4
District of Columbia	33	10	6		26	27	1		35	11	<b>5</b>
Florida	4	17	16		7	30	31.		4	28	28
Georgia	* 6	38	7.		g-, 10	- 46	13	麩	13	24	21
Guam	53	53	53	encon	53	53	53	EST I	53	50	47
Hawali	44	14	39	Ň	38	13	26 43		48 43	13 45	44 29
Idaho	32 33	44 28	11	EZ.#	45 4	22 11	16	838	43 5	45 7	29
Indiana	23	36	33	\$25£	16	41	28	tytik:	24	31	45
i lowa	27	33	26	25 25	27	32	32	S	· 29	36	35
Kansas	34	26	34	all the second	24	40	21	I	26	21	25
Kentucky	29	45	37		33	26	. 41		27	37.	. 38
Louisiana	37	35	42	*****	34	43	47	in the second	34	40	50
Maine.	40	39	36	źź	44	49	39		42	49	31
Maryland	9	1	4	-	15	16 . 6	10		15 7:	9 5	10 7
Massachusetts Michigan	14	12. 32	- 10 24	Secret .	11 14	29	6. 35	Simeri	16	10	40
Minnesota	8	15	24 - 2	3	21	17:	30		17	14	14
Mississippi	41	23	46	1000	37	50	45	wix	46	41	54
Missouri	19:	24	23	- T	17.	> 10	25	<b>1</b>	18	∡⊹18.	27
Montana	48	47	47		48	36	46		49	47	36
Nebraska	36	30	31		32	31	22		31	43	16
Nevada	43	41	45		42	37	48	\$25°	37	32	42
New Hampshire	31	40	- 13°		39. 9	15 2	33° 5		39 8	16 1	24 12
New Jersey	13 35	37	10 21	****	35	39	. 24	zi.	40.	35	37
New York	2	9	17	سميد	3	1	12	(Alexa)	3	3	20
North Carolina	18	13	30	14.5	12	- 24	23	(\$***	14	17.	. 22
North Dakota	50	50	50	*****	49	44	42		33	54	1
Ohio	15	20	28		-1.5	28	17		10	25	32
Oklahoma	25	34	20		23	48	18		30	52	34
Oregon	16	2 22	5		29	20	37	like esp	21	34	11
Pennsylvania Puerto Rico	10 45	3 48	25 49	***	6 40	19   51	20 44	U.	6 45	20 _51≿	23 52
Rhode Island	51	51	51		36	7	4		47	15	41
South Carolina	38	19	44	-	30	42	40	-	32	38	46
South Dakota	52	52	52	********	50	45	50		38	53	6
Tennessee	- 21	43	29		22	25	36		22	30.	. 39
Texas	5	25	27		2	23	11		2	12	17
Utah Vanan	26	21	12	4	31	, 21 25	27	ن منت	25 44	42	. 9
Vermont Virgin Islands	49 54	31 54	48 54	73	43 54	35 54	7 54		54	29 39	8   - ∄49
Virginia	12	8	14	77.75	8	14	3	-	11	23	13
Washington:	17	16	15	35	52	52	52	. 31		22	333
West Virginia	42	29	41		46	38	49	1	50	44	53
Wisconsin	24	42	32		19	34		<b>E</b>	19	26	30
Wyoming	47	49	40	]	51	47	51	]	52	48	51



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