# Business in Nebraska 

## STATE ENTREPRENEURSHIP INDEX

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nemployment rates and job growth are popular measures for state economies. However, these trends may differ from the state's performance in core measures of underlying economic strength such as entrepreneurship, net migration and capital formation. Given this, the University of Nebraska - Lincoln Bureau of Business Research seeks to track these core economic measures in Nebraska and in all U.S. states.

The State Entrepreneurship Index is one effort to track these core trends. Specifically, the index is used to track entrepreneurship in all 50 states. The index was initially developed by Eric C. Thompson and William B. Walstad in Entrepreneurship in Nebraska: Conditions, Attitudes, and Actions (Gallup Press, 2008). In the current study, we use that methodological approach to calculate the value of the state entrepreneurship index for 2012 and 2013.

The index is composed of 5 components that reflect the income of entrepreneurs, business formation rates, technological innovation, and growth in the number of entrepreneurs.

The five components of the State Entrepreneurship Index are:

- Percent growth in employer establishments
- Percent growth in employer establishments per person
- Business formation rate (i.e., establishment births per person)
- Patents per thousand persons
- Average income per non-farm proprietor

A separate index value is calculated for each of the 5 components. Each component index reflects how much each state's performance deviates from the median state. The state at the median gets a value of 1.0. A state with a value one standard deviation above the median gets a value of 2.0 , while a state one standard deviation below the median gets a value of 0.0. The overall entrepreneurship index is calculated by taking a simple average of the five component index values for each state.

The data utilized to calculate values for each of the 5 index components are presented in Table A. 1 through A. 5 in the appendix. Data are presented from 2005 through 2013. Appendix A. 6 provides a history of State Entrepreneurship Index values. Analysis in the main text focuses on the two most recent years, 2012 and 2013.

Data on the number of employer establishments comes from the establishment counts in the Quarterly Census of Employment and Wages developed by the U.S. Bureau of Labor Statistics within the U.S. Department of Labor. The counts include establishments that participate in their state unemployment insurance program. Data on the population of states, which is used in all per
person measures, is from the U.S. Census based on estimated population on July 1, 2013. Data on firm births is from the Business Employment Dynamics database, also developed by the U.S. Bureau of Labor Statistics. Data on patents is collected by the U.S. Patent and Trademark Office. Data on non-farm proprietor income and proprietor counts for each U.S. state is from the Regional Economic Information System of the Bureau of Economic Analysis, which is part of the United States Department of Commerce.

Note that historic values for the State Entrepreneurship Index may differ from values reported in earlier years due to periodic revisions in the underlying data by the U.S. Department of Labor, the U.S. Department of Commerce, and the U.S. Patent and Trademark Office. Values also may differ because beginning with the current edition of the index we now exclude private household and social assistance establishments from our estimate of employer establishments. State's treatment of home health aides and other home service providers differs widely in the employer data. Removing establishments classified in these industries improve the consistency of employer establishment data both across states and across years within individual states.

Table 1 illustrates component index values for all 50 states for the year 2013. The Table also shows the overall index value. Among the components, employer establishment growth is generally volatile from year-to-year while the business formation, patents, and average income are relatively stable.

The highest ranked states in the 2013 State Entrepreneurship Index are spread throughout the country. The five highest ranked states are North Dakota, California, New York, Kentucky, and New Hampshire. Connecticut, Texas, Oregon, Utah and Colorado also are among the Top 10.

North Dakota is the highest ranked state due to entrepreneurial activity related to the energy boom in the state, in particular a high business formation rate and rapid growth in employer
establishments. Other high ranked states tend to rank above the median state (index value greater than 1.0) for all or nearly all of the 5 index components. California, the second ranked state, was above median for 4 of 5 components and highly ranked in patents per thousand residents. Third ranked New York and $5^{\text {th }}$ ranked New Hampshire were above the median for all 5 components. Sixth ranked Connecticut was above median for 4 of 5 components and especially strong in patents per thousand residents and average proprietor income. Eighth ranked Utah, $9^{\text {th }}$ ranked Oregon and $10^{\text {th }}$ ranked Colorado also were above median for 4 of 5 components. Kentucky was the $4^{\text {th }}$ ranked state because of a very rapid establishment growth rate. Texas was the $7^{\text {th }}$ ranked state in large part because of very high average proprietor income, a by-product of the state's strong energy sector.

The lowest ranked states were spread throughout the country. Michigan was the lowest ranked state again in the 2013 State Entrepreneurship Index. Michigan was well below the median value for 4 of 5 components, and especially weak in establishment growth and income per proprietor. Indiana was the $47^{\text {th }}$ ranked state due to poor establishment growth and business births. The remaining low ranked states were North Carolina at $49^{\text {th }}$, New Mexico at $48^{\text {th }}$ and Alabama at $46^{\text {th }}$. These states had low establishment growth or business births, as well as low average proprietor income. .

States near the middle of the ranking often had mixed results, reflecting the unique strengths and weaknesses of each state. Tennessee was the $26^{\text {th }}$ ranked state and was well below the medianvalue for business births and patents per capita. But, Tennessee had very high income per proprietor. Vermont was the $27^{\text {th }}$ ranked state. Vermont was well above the median value in patents per thousand residents, but well below mediaan in establishment growth. Nebraska was ranked $18^{\text {th }}$, reflecting strength in establishment growth, business births, and income per nonfarm proprietor but the state was well below-the median state in terms of patents per thousand residents.

| 2013 State Entrepreneurship Index Rank and Index Values for Each Subcomponent Index |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| State | Growth in Establishments | Growth in Establishments Per Capita | Business Formation Rate | Patents Per <br> Thousand Residents | Average Proprietor Income | Average Index Value | Rank |
| Alabama | 0.318 | 0.484 | 0.019 | 0.159 | 0.701 | 0.336 | 46 |
| Alaska | 0.436 | 0.365 | 0.982 | -0.014 | 2.193 | 0.792 | 36 |
| Arizona | 0.240 | -0.244 | 0.713 | 1.119 | 0.258 | 0.417 | 45 |
| Arkansas | 0.962 | 1.240 | 0.848 | 0.001 | 0.153 | 0.641 | 39 |
| California | 1.934 | 1.925 | 1.096 | 3.654 | 0.928 | 1.907 | 2 |
| Colorado | 1.256 | 0.637 | 2.604 | 2.035 | 1.206 | 1.548 | 10 |
| Connecticut | 1.118 | 1.584 | 0.463 | 2.258 | 2.723 | 1.629 | 6 |
| Delaware | 0.282 | -0.037 | 2.341 | 1.692 | 2.038 | 1.263 | 24 |
| Florida | 2.096 | 1.852 | 2.804 | 0.644 | -0.584 | 1.363 | 19 |
| Georgia | 1.581 | 1.600 | 1.127 | 0.810 | -0.059 | 1.012 | 29 |
| Hawaii | 1.068 | 0.825 | 0.369 | 0.104 | 0.374 | 0.548 | 41 |
| Idaho | 0.283 | -0.105 | 2.583 | 2.172 | 0.278 | 1.042 | 28 |
| Illinois | 1.619 | 2.176 | 0.131 | 1.311 | 0.952 | 1.238 | 25 |
| Indiana | -0.158 | -0.202 | -0.063 | 0.978 | 0.959 | 0.303 | 47 |
| Iowa | 1.638 | 1.883 | 1.035 | 0.949 | 2.093 | 1.519 | 11 |
| Kansas | -0.167 | -0.049 | 1.092 | 1.157 | 1.850 | 0.777 | 37 |
| Kentucky | 3.328 | 3.959 | 0.637 | 0.252 | 0.721 | 1.779 | 4 |
| Louisiana | 1.263 | 1.443 | 0.340 | 0.069 | 1.940 | 1.011 | 30 |
| Maine | 0.062 | 0.463 | 1.407 | 0.409 | 0.131 | 0.494 | 44 |
| Maryland | 1.771 | 1.839 | 1.028 | 0.935 | 1.433 | 1.401 | 14 |
| Massachusetts | -0.845 | -1.158 | 0.909 | 3.615 | 2.095 | 0.923 | 32 |
| Michigan | -0.741 | -0.587 | 0.129 | 1.908 | -0.003 | 0.141 | 50 |
| Minnesota | 1.460 | 1.473 | 0.428 | 3.122 | 0.825 | 1.461 | 13 |
| Mississippi | 1.607 | 2.120 | -0.238 | -0.068 | 0.758 | 0.836 | 34 |
| Missouri | 0.916 | 1.185 | 0.523 | 0.535 | 0.894 | 0.810 | 35 |
| Montana | 1.731 | 1.623 | 3.011 | 0.185 | 0.224 | 1.355 | 20 |
| Nebraska | 1.590 | 1.660 | 1.194 | 0.408 | 1.987 | 1.368 | 18 |
| Nevada | 1.830 | 1.469 | 1.896 | 1.093 | 0.028 | 1.263 | 23 |
| New Hampshire | 1.138 | 1.592 | 2.130 | 2.319 | 1.386 | 1.713 | 5 |
| New Jersey | 0.385 | 0.546 | 1.789 | 1.988 | 2.286 | 1.399 | 15 |
| New Mexico | -0.046 | 0.260 | 0.422 | 0.576 | 0.120 | 0.266 | 48 |
| New York | 1.392 | 1.691 | 1.585 | 1.546 | 2.735 | 1.790 | 3 |
| North Carolina | -0.222 | -0.676 | 0.705 | 1.058 | 0.205 | 0.214 | 49 |
| North Dakota | 4.276 | 2.798 | 4.779 | 0.402 | 1.369 | 2.725 | 1 |
| Ohio | 0.044 | 0.309 | -0.130 | 1.139 | 1.188 | 0.510 | 42 |
| Oklahoma | 1.038 | 0.863 | 0.640 | 0.308 | 3.583 | 1.286 | 21 |
| Oregon | 1.688 | 1.720 | 1.725 | 2.324 | 0.282 | 1.548 | 9 |
| Pennsylvania | -0.420 | -0.167 | 0.685 | 1.022 | 2.302 | 0.684 | 38 |
| Rhode Island | 0.674 | 1.071 | 2.607 | 1.211 | 1.379 | 1.388 | 16 |
| South Carolina | 3.040 | 3.028 | 0.429 | 0.488 | -0.074 | 1.382 | 17 |
| South Dakota | 0.905 | 0.407 | 1.494 | 0.324 | 1.734 | 0.973 | 31 |
| Tennessee | 1.439 | 1.544 | 0.057 | 0.363 | 2.666 | 1.214 | 26 |
| Texas | 1.502 | 0.945 | 0.834 | 1.139 | 3.706 | 1.625 | 7 |
| Utah | 1.975 | 1.389 | 2.888 | 1.588 | 0.037 | 1.575 | 8 |
| Vermont | 0.187 | 0.512 | 1.487 | 3.106 | 0.172 | 1.093 | 27 |
| Virginia | 0.125 | -0.181 | 0.852 | 0.651 | 1.041 | 0.498 | 43 |
| Washington | 0.918 | 0.575 | 1.191 | 3.349 | 1.295 | 1.466 | 12 |
| West Virginia | 0.458 | 1.013 | -0.202 | 0.021 | 1.571 | 0.572 | 40 |
| Wisconsin | 0.739 | 0.987 | 0.636 | 1.388 | 0.751 | 0.900 | 33 |
| Wyoming | 0.437 | 0.065 | 3.181 | 0.592 | 2.111 | 1.277 | 22 |
| Sources: U.S. Dep | ment of Labor an | S. Department of | mmerce and | S. Patent and | rademark Office |  |  |

## STATE RANKS 2012 AND 2013

As seen in Table 2, there was substantial stability in the State Entrepreneurship Index between 2012 and 2013. The correlation between state ranks in 2012 and 2013 was 0.55 .

Many of the top ranked states remained the same or reflected modest changes in rank. North Dakota is the highest ranked state in 2013 and is also highest in the revised 2012 ranking. North Dakota also was highest ranked when the original 2012 ranking was released in last year's State Entrepreneurship Index report. Modest revisions to underlying data used to calculate the components of the Index, which occur every year, did not change North Dakota's ranking.

New York and New Hampshire were in the Top 5 in 2012 and remain in the Top 5 in 2013. Connecticut and Texas were in the Top 10 in both 2012 and 2013. California was $11^{\text {th }}$ in 2012 and $2^{\text {nd }}$ in 2013. Among Western states, Colorado moved up from $13^{\text {th }}$ to $10^{\text {th }}$, Oregon from $15^{\text {th }}$ to $9^{\text {th }}$, and Utah from $20^{\text {th }}$ to $8^{\text {th }}$. Kentucky rose rapidly, from $49^{\text {th }}$ in 2012 to $4^{\text {th }}$ in 2013. This occurred entirely due to improved net establishment growth which lagged for many years in Kentucky but recovered in 2013.

There also was stability at the bottom of the State Entrepreneurship Index ranking. Michigan was $50^{\text {th }}$ in both 2012 and 2013, as its economy continues to struggle. Alabama was $47^{\text {th }}$ in 2012 and is $46^{\text {th }}$ in 2013. Hawaii was ranked $46^{\text {th }}$ in 2012 and $41^{\text {st }}$ in 2013. Several Southern states improved in particular Mississippi and South Carolina. States from around the country entered the Bottom 10 including Arizona, New Mexico, Indiana and Ohio, as well as the West Virginia, Virginia and North Carolina. Thus the South, Southwest and Industrial Midwest were well represented among the Bottom 10 states.

Other Midwest states performed better. Iowa and Minnesota ranked $11^{\text {th }}$ and $13^{\text {th }}$, respectively in 2013, and held similar ranks in 2012. Nebraska fell two spots from $16^{\text {th }}$ in 2012 to $18^{\text {th }}$ in 2013. Both values, however, are an improvement for Nebraska over rankings in earlier years.

| Table 2 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| State Entrepreneurship Index, 2012 and 2013 |  |  |  |  |
| State | 2012 <br> Rank | Index Value | 2013 <br> Rank | Index <br> Value |
| Alabama | 47 | 0.35 | 46 | 0.34 |
| Alaska | 14 | 1.40 | 36 | 0.79 |
| Arizona | 27 | 1.03 | 45 | 0.42 |
| Arkansas | 41 | 0.67 | 39 | 0.64 |
| California | 11 | 1.43 | 2 | 1.91 |
| Colorado | 13 | 1.41 | 10 | 1.55 |
| Connecticut | 9 | 1.48 | 6 | 1.63 |
| Delaware | 43 | 0.65 | 24 | 1.26 |
| Florida | 17 | 1.33 | 19 | 1.36 |
| Georgia | 34 | 0.80 | 29 | 1.01 |
| Hawaii | 46 | 0.36 | 41 | 0.55 |
| Idaho | 42 | 0.67 | 28 | 1.04 |
| Illinois | 19 | 1.30 | 25 | 1.24 |
| Indiana | 33 | 0.82 | 47 | 0.30 |
| lowa | 10 | 1.45 | 11 | 1.52 |
| Kansas | 45 | 0.37 | 37 | 0.78 |
| Kentucky | 49 | 0.24 | 4 | 1.78 |
| Louisiana | 37 | 0.74 | 30 | 1.01 |
| Maine | 35 | 0.79 | 44 | 0.49 |
| Maryland | 31 | 0.93 | 14 | 1.40 |
| Massachusetts | 21 | 1.24 | 32 | 0.92 |
| Michigan | 50 | 0.07 | 50 | 0.14 |
| Minnesota | 12 | 1.43 | 13 | 1.46 |
| Mississippi | 48 | 0.30 | 34 | 0.84 |
| Missouri | 39 | 0.72 | 35 | 0.81 |
| Montana | 26 | 1.09 | 20 | 1.35 |
| Nebraska | 16 | 1.36 | 18 | 1.37 |
| Nevada | 29 | 0.97 | 23 | 1.26 |
| New Hampshire | 2 | 1.87 | 5 | 1.71 |
| New Jersey | 40 | 0.70 | 15 | 1.40 |
| New Mexico | 38 | 0.72 | 48 | 0.27 |
| New York | 3 | 1.75 | 3 | 1.79 |
| North Carolina | 28 | 1.02 | 49 | 0.21 |
| North Dakota | 1 | 3.44 | 1 | 2.72 |
| Ohio | 36 | 0.76 | 42 | 0.51 |
| Oklahoma | 6 | 1.57 | 21 | 1.29 |
| Oregon | 15 | 1.39 | 9 | 1.55 |
| Pennsylvania | 7 | 1.51 | 38 | 0.68 |
| Rhode Island | 18 | 1.33 | 16 | 1.39 |
| South Carolina | 44 | 0.45 | 17 | 1.38 |
| South Dakota | 25 | 1.10 | 31 | 0.97 |
| Tennessee | 23 | 1.11 | 26 | 1.21 |
| Texas | 4 | 1.72 | 7 | 1.62 |
| Utah | 20 | 1.28 | 8 | 1.58 |
| Vermont | 5 | 1.57 | 27 | 1.09 |
| Virginia | 22 | 1.15 | 43 | 0.50 |
| Washington | 24 | 1.11 | 12 | 1.47 |
| West Virginia | 30 | 0.94 | 40 | 0.57 |
| Wisconsin | 32 | 0.84 | 33 | 0.90 |
| Wyoming | 8 | 1.50 | 22 | 1.28 |

## ESTABLISHMENT GROWTH

This section examines changes in establishment growth between 2012 and 2013. As seen in Table 3, North Dakota remained the top state for establishment growth, given the strength of its energy sector. Florida also remained in the Top 10 in both 2012 and 2013. Otherwise, there was significant volatility in ranking between 2012 and 2013. The correlation between state ranks for net establishment growth in 2012 and 2013 was just 0.33 . As previously noted, Kentucky moved from a very low rank in 2012 to the $2^{\text {nd }}$ rank in 2013. The state had performed poorly in net establishment growth for a number of years, finally bouncing back in 2013. California, Maryland, and South Carolina also improved substantially and were in the Top 10 in 2013. Four Western states, Montana, Nevada, Oregon and Utah, also moved into the Top 10 in 2013. The Midwest was the only region without a state in the Top 10 , although Iowa was $11^{\text {th }}$, Illinois $12^{\text {th }}$ and Nebraska $14^{\text {th }}$.

The Midwest was well represented in the Bottom 10 with Michigan at $49^{\text {th }}$, Kansas at $46^{\text {th }}$, Indiana at $45^{\text {th }}$, and Ohio at $43^{\text {rd }}$. There were also three Northeastern states in the Bottom 10 including Massachusetts, Pennsylvania, and Maine.

Overall the Northeast and Midwest were poorly represented in the Top 10 and prominent in the Bottom 10. Net establishment growth was challenging in these regions during 2013. By contrast, net establishment growth was strong in most states in the Western United States.

Among states in the middle of the distribution, Arizona dropped from the $5^{\text {th }}$ highest net establishment growth rate in 2012 to $39^{\text {th }}$ in 2013. Vermont dropped from $24^{\text {th }}$ in 2012 to $40^{\text {th }}$ in 2013 while Virginia dropped from $17^{\text {th }}$ to $41^{\text {st }}$. Nearby West Virginia also dropped in rank. Texas and Oklahoma fell out of the Top 10 for net establishment growth during 2013, as the recent energy boom began to mature. States with a significant improvement in rank included Washington, Connecticut, Louisiana, New Jersey and Mississippi.

| Table 3 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Percent Establishment Growth, 2012 and 2013 |  |  |  |  |
| State | 2012 <br> Rank | Index <br> Value | 2013 <br> Rank | Index <br> Value |
| Alabama | 42 | 0.28 | 36 | 0.32 |
| Alaska | 4 | 1.81 | 34 | 0.44 |
| Arizona | 5 | 1.67 | 39 | 0.24 |
| Arkansas | 28 | 0.89 | 26 | 0.96 |
| California | 30 | 0.89 | 6 | 1.93 |
| Colorado | 26 | 0.98 | 21 | 1.26 |
| Connecticut | 37 | 0.61 | 23 | 1.12 |
| Delaware | 48 | -0.95 | 38 | 0.28 |
| Florida | 2 | 1.98 | 4 | 2.10 |
| Georgia | 22 | 1.20 | 15 | 1.58 |
| Hawaii | 40 | 0.52 | 24 | 1.07 |
| Idaho | 46 | -0.49 | 37 | 0.28 |
| Illinois | 8 | 1.55 | 12 | 1.62 |
| Indiana | 29 | 0.89 | 45 | -0.16 |
| Iowa | 10 | 1.49 | 11 | 1.64 |
| Kansas | 49 | -1.01 | 46 | -0.17 |
| Kentucky | 44 | -0.01 | 2 | 3.33 |
| Louisiana | 38 | 0.56 | 20 | 1.26 |
| Maine | 32 | 0.73 | 42 | 0.06 |
| Maryland | 35 | 0.67 | 8 | 1.77 |
| Massachusetts | 45 | -0.07 | 50 | -0.85 |
| Michigan | 47 | -0.80 | 49 | -0.74 |
| Minnesota | 21 | 1.21 | 17 | 1.46 |
| Mississippi | 41 | 0.42 | 13 | 1.61 |
| Missouri | 33 | 0.73 | 28 | 0.92 |
| Montana | 25 | 1.02 | 9 | 1.73 |
| Nebraska | 6 | 1.62 | 14 | 1.59 |
| Nevada | 16 | 1.30 | 7 | 1.83 |
| New Hampshire | 11 | 1.48 | 22 | 1.14 |
| New Jersey | 50 | -1.07 | 35 | 0.39 |
| New Mexico | 27 | 0.91 | 44 | -0.05 |
| New York | 13 | 1.34 | 19 | 1.39 |
| North Carolina | 9 | 1.53 | 47 | -0.22 |
| North Dakota | 1 | 5.57 | 1 | 4.28 |
| Ohio | 39 | 0.52 | 43 | 0.04 |
| Oklahoma | 7 | 1.62 | 25 | 1.04 |
| Oregon | 14 | 1.34 | 10 | 1.69 |
| Pennsylvania | 15 | 1.32 | 48 | -0.42 |
| Rhode Island | 34 | 0.68 | 31 | 0.67 |
| South Carolina | 31 | 0.88 | 3 | 3.04 |
| South Dakota | 18 | 1.24 | 29 | 0.90 |
| Tennessee | 23 | 1.20 | 18 | 1.44 |
| Texas | 3 | 1.93 | 16 | 1.50 |
| Utah | 12 | 1.48 | 5 | 1.97 |
| Vermont | 24 | 1.12 | 40 | 0.19 |
| Virginia | 17 | 1.26 | 41 | 0.13 |
| Washington | 43 | 0.24 | 27 | 0.92 |
| West Virginia | 19 | 1.22 | 32 | 0.46 |
| Wisconsin | 36 | 0.66 | 30 | 0.74 |
| Wyoming | 20 | 1.21 | 33 | 0.44 |

## GROWTH IN ESTABLISHMENTS PER PERSON

Establishment growth may reflect growth in the population of a state rather than a change in the share of the population involved in entrepreneurship. As a result, some states with a large percentage increase (or decrease) in establishments may not experience a large change in the share of the population involved in entrepreneurship. Further, ranks for growth in establishments per person are even more volatile, with a correlation of just. 0.24 .

States with rapid population growth such as Florida and Arizona tend have a lower rank for the growth in establishments per person than for the growth in the number of establishments. In 2013, Florida was ranked $4^{\text {th }}$ in the establishment growth (see Table 3) and $8^{\text {th }}$ in growth in establishments per person (see Table 4). Arizona was ranked $39^{\text {th }}$ in establishment growth and $47^{\text {th }}$ in growth in establishments per person. Utah had a similar decline from $5^{\text {th }}$ in establishment growth to near the middle, at $21^{\text {th }}$, in growth in establishments per person. Texas was ranked $16^{\text {th }}$ in establishment growth but ranked $27^{\text {st }}$ in growth in establishments per person.

States with slower population growth or population loss tend to rank higher in growth in establishments per person. This was common among states in the Northeast and Midwest, where population growth is slower. For example, in 2013 New York was ranked $19^{\text {th }}$ in establishment growth but $11^{\text {th }}$ in growth in establishments per person. Illinois was ranked $12^{\text {th }}$ in establishment growth and $4^{\text {th }}$ in growth in establishments per person. Vermont goes from a rank of $40^{\text {th }}$ in establishment growth to a rank of $33^{\text {rd }}$ in growth in establishments per person. The states of Maine and Rhode Island show a similar improvement. Missouri and Iowa are Midwestern states with a higher rank using growth in establishments per person.

Some Southern states also improved under the establishment per person measure. Mississippi was ranked $13^{\text {th }}$ in 2013 in establishment growth and $5^{\text {th }}$ in establishment growth per person. West Virginia goes from a rank of $32^{\text {nd }}$ in establishment growth to $25^{\text {th }}$ in establishment growth per person.

| Table 4 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Growth in Establishments Per Person, 2012 and 2013 |  |  |  |  |
| State | $\begin{aligned} & 2012 \\ & \text { Rank } \end{aligned}$ | Index <br> Value | $\begin{aligned} & \hline 2013 \\ & \text { Rank } \end{aligned}$ | Index <br> Value |
| Alabama | 40 | 0.42 | 34 | 0.48 |
| Alaska | 8 | 1.69 | 37 | 0.36 |
| Arizona | 15 | 1.29 | 47 | -0.24 |
| Arkansas | 22 | 1.08 | 22 | 1.24 |
| California | 34 | 0.69 | 6 | 1.92 |
| Colorado | 41 | 0.41 | 30 | 0.64 |
| Connecticut | 26 | 1.00 | 16 | 1.58 |
| Delaware | 50 | -1.50 | 41 | -0.04 |
| Florida | 9 | 1.67 | 8 | 1.85 |
| Georgia | 30 | 0.90 | 14 | 1.60 |
| Hawaii | 42 | 0.21 | 29 | 0.82 |
| Idaho | 47 | -0.78 | 43 | -0.10 |
| Illinois | 2 | 2.08 | 4 | 2.18 |
| Indiana | 21 | 1.12 | 46 | -0.20 |
| Iowa | 4 | 1.80 | 7 | 1.88 |
| Kansas | 49 | -1.25 | 42 | -0.05 |
| Kentucky | 43 | 0.11 | 1 | 3.96 |
| Louisiana | 37 | 0.54 | 20 | 1.44 |
| Maine | 19 | 1.16 | 35 | 0.46 |
| Maryland | 38 | 0.54 | 9 | 1.84 |
| Massachusetts | 44 | -0.19 | 50 | -1.16 |
| Michigan | 46 | -0.64 | 48 | -0.59 |
| Minnesota | 16 | 1.27 | 18 | 1.47 |
| Mississippi | 35 | 0.61 | 5 | 2.12 |
| Missouri | 25 | 1.00 | 23 | 1.18 |
| Montana | 29 | 0.91 | 13 | 1.62 |
| Nebraska | 10 | 1.65 | 12 | 1.66 |
| Nevada | 33 | 0.81 | 19 | 1.47 |
| New Hampshire | 3 | 1.85 | 15 | 1.59 |
| New Jersey | 48 | -1.16 | 32 | 0.55 |
| New Mexico | 18 | 1.19 | 39 | 0.26 |
| New York | 11 | 1.61 | 11 | 1.69 |
| North Carolina | 13 | 1.34 | 49 | -0.68 |
| North Dakota | 1 | 4.84 | 3 | 2.80 |
| Ohio | 28 | 0.93 | 38 | 0.31 |
| Oklahoma | 12 | 1.60 | 28 | 0.86 |
| Oregon | 17 | 1.26 | 10 | 1.72 |
| Pennsylvania | 5 | 1.73 | 44 | -0.17 |
| Rhode Island | 20 | 1.14 | 24 | 1.07 |
| South Carolina | 36 | 0.54 | 2 | 3.03 |
| South Dakota | 32 | 0.82 | 36 | 0.41 |
| Tennessee | 23 | 1.05 | 17 | 1.54 |
| Texas | 14 | 1.30 | 27 | 0.94 |
| Utah | 27 | 0.95 | 21 | 1.39 |
| Vermont | 7 | 1.70 | 33 | 0.51 |
| Virginia | 24 | 1.03 | 45 | -0.18 |
| Washington | 45 | -0.21 | 31 | 0.57 |
| West Virginia | 6 | 1.70 | 25 | 1.01 |
| Wisconsin | 31 | 0.89 | 26 | 0.99 |
| Wyoming | 39 | 0.48 | 40 | 0.06 |
| Sources: U.S. Departments of Labor and Commerce |  |  |  |  |

## THE BUSINESS FORMATION RATE

State business formation rates were generally stable between 2012 and 2013. The correlation of ranks in the two years was 0.93 .

However, selected states showed significant improvement. Kentucky moved from the $47^{\text {th }}$ rank in 2012 up to a rank of $34^{\text {th }}$ in 2013. Texas moved from $39^{\text {th }}$ in 2012 to the rank of $29^{\text {th }}$ in 2013. Other states saw a significant decline. Pennsylvania moved from $21^{\text {st }}$ in 2012 to the rank of $32^{\text {nd }}$ in 2013 while Virginia dropped from $10^{\text {th }}$ to $27^{\text {th }}$. While no other state experienced such a large decline in its rank, several states did see a noteworthy decline. Minnesota dropped from $33^{\text {rd }}$ in business formation rate in 2012 to $39^{\text {th }}$ in 2013.

Beyond changes in the business formation rate, it is interesting to note the strength (or weakness) in business formation in selected states. North Dakota has the highest business formation rate in 2013. There is also substantial strength in many Mountain states. Utah and Colorado, which are the largest Mountain states, are ranked $4^{\text {th }}$ and $7^{\text {th }}$, respectively. Wyoming is ranked $2^{\text {nd }}$, Montana is ranked $3^{\text {rd }}$ and Idaho is ranked $8^{\text {th }}$. Florida is the $5^{\text {th }}$ ranked state. Many Northeastern states have high ranks for the business formation rate. Rhode Island is the $6^{\text {th }}$ ranked state while Delaware is ranked $9^{\text {th }}$ and New Hampshire is ranked $10^{\text {th }}$. Perhaps surprisingly, Connecticut, a highly ranked state in the overall entrepreneurship index, is a below-median state in terms of the business formation rate. Readers who believe that the business formation rate is the most important indicator of a state's entrepreneurial strength should note this difference.

The lowest ranked states in terms of business formation are concentrated in the Industrial Midwest and in the South. Ohio is the $48^{\text {th }}$ ranked state, Indiana is $47^{\text {th }}$ Michigan is $44^{\text {th }}$, and Illinois is $43^{\text {nd }}$. In the South, Mississippi is the lowest ranked state. West Virginia is ranked $49^{\text {th }}$, Tennessee is ranked $45^{\text {th }}$, Alabama is ranked $46^{\text {th }}$, Louisiana is ranked $42^{\text {nd }}$.

| Table 5 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Establishment Births Per Person, 2012 and 2013 |  |  |  |  |
| State | $2012$ <br> Rank | Index Value | $2013$ <br> Rank | Index Value |
| Alabama | 43 | 0.21 | 46 | 0.02 |
| Alaska | 18 | 1.40 | 25 | 0.98 |
| Arizona | 35 | 0.70 | 30 | 0.71 |
| Arkansas | 22 | 1.17 | 28 | 0.85 |
| California | 25 | 1.07 | 21 | 1.10 |
| Colorado | 5 | 2.53 | 7 | 2.60 |
| Connecticut | 34 | 0.75 | 37 | 0.46 |
| Delaware | 12 | 1.75 | 9 | 2.34 |
| Florida | 4 | 2.91 | 5 | 2.80 |
| Georgia | 20 | 1.20 | 20 | 1.13 |
| Hawaii | 36 | 0.63 | 41 | 0.37 |
| Idaho | 9 | 2.07 | 8 | 2.58 |
| Illinois | 38 | 0.56 | 43 | 0.13 |
| Indiana | 45 | 0.14 | 47 | -0.06 |
| Iowa | 27 | 0.90 | 23 | 1.04 |
| Kansas | 28 | 0.88 | 22 | 1.09 |
| Kentucky | 47 | 0.11 | 34 | 0.64 |
| Louisiana | 37 | 0.57 | 42 | 0.34 |
| Maine | 16 | 1.54 | 17 | 1.41 |
| Maryland | 23 | 1.10 | 24 | 1.03 |
| Massachusetts | 30 | 0.84 | 26 | 0.91 |
| Michigan | 48 | -0.04 | 44 | 0.13 |
| Minnesota | 33 | 0.77 | 39 | 0.43 |
| Mississippi | 50 | -0.11 | 50 | -0.24 |
| Missouri | 41 | 0.46 | 36 | 0.52 |
| Montana | 2 | 3.05 | 3 | 3.01 |
| Nebraska | 24 | 1.09 | 18 | 1.19 |
| Nevada | 13 | 1.71 | 11 | 1.90 |
| New Hampshire | 6 | 2.46 | 10 | 2.13 |
| New Jersey | 15 | 1.56 | 12 | 1.79 |
| New Mexico | 32 | 0.78 | 40 | 0.42 |
| New York | 17 | 1.51 | 14 | 1.59 |
| North Carolina | 26 | 0.93 | 31 | 0.71 |
| North Dakota | 1 | 5.21 | 1 | 4.78 |
| Ohio | 49 | -0.05 | 48 | -0.13 |
| Oklahoma | 31 | 0.78 | 33 | 0.64 |
| Oregon | 14 | 1.70 | 13 | 1.72 |
| Pennsylvania | 21 | 1.19 | 32 | 0.68 |
| Rhode Island | 8 | 2.09 | 6 | 2.61 |
| South Carolina | 42 | 0.31 | 38 | 0.43 |
| South Dakota | 19 | 1.37 | 15 | 1.49 |
| Tennessee | 44 | 0.19 | 45 | 0.06 |
| Texas | 39 | 0.52 | 29 | 0.83 |
| Utah | 7 | 2.29 | 4 | 2.89 |
| Vermont | 11 | 1.77 | 16 | 1.49 |
| Virginia | 10 | 1.81 | 27 | 0.85 |
| Washington | 29 | 0.87 | 19 | 1.19 |
| West Virginia | 46 | 0.11 | 49 | -0.20 |
| Wisconsin | 40 | 0.52 | 35 | 0.64 |
| Wyoming | 3 | 3.03 | 2 | 3.18 |
| Sources: U.S. Departments of Labor and Commerce |  |  |  |  |

## PATENTS PER THOUSAND PERSONS

The index component of patents per thousand persons also was largely stable in states between 2012 and 2013. The correlation between state ranks for patents per thousand persons in 2012 and 2013 was 0.997 . This is because most state ranks were unchanged or nearly unchanged between the two years.

There were, however, occasional modest changes in rank. North Dakota improved from $41^{\text {st }}$ in 2012 to $38^{\text {th }}$ in 2013. Delaware fell from the $10^{\text {th }}$ rank in 2012 to $13^{\text {th }}$ in 2013.

But, consistency is the defining feature of the patent ranking. The Top 5 states were the same in 2012 and 2013: California and Washington in the West, Minnesota in the Midwest and Massachusetts and Vermont in the Northeast. California, Washington and Massachusetts are well known technology centers, but the strength of Minnesota and Vermont is interesting. Western and Northeastern states also round out the Top 10. Other states in the Top 10 include Oregon, Idaho, Colorado, New Hampshire and Connecticut. There are also hints of activity within the Midwest, given the strength of Minnesota. Michigan, Kansas and Wisconsin are all Midwest states with an aboveaverage ranking for patents per thousand persons. But, while invention occurs throughout the United States, it is clearly concentrated in the West Coast and the Northeast.

Among the lowest ranked states, Alaska ranks $49^{\text {th }}$ in patents per thousand persons while Hawaii ranks $45^{\text {th }}$. But, generally speaking, the lowest ranked states are concentrated in the South. Mississippi is the $50^{\text {th }}$ ranked state in terms of patents per thousand persons in 2013. West Virginia is the $47^{\text {th }}$ ranked state while Arkansas is ranked $48^{\text {th }}$. Louisiana is the $46^{\text {th }}$ ranked state while Alabama is $44^{\text {th }}$. Surprisingly, even southern states with large technology sectors such as Texas, North Carolina, and Virginia were near the median state in patents per thousand residents.

| Table 6 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Patents Per Thousand Persons, 2012 and 2013 |  |  |  |  |
| State | 2012 | Index | 2013 | Index |
|  | Rank | Value | Rank | Value |
| Alabama | 44 | 0.14 | 44 | 0.16 |
| Alaska | 49 | -0.02 | 49 | -0.01 |
| Arizona | 20 | 1.25 | 22 | 1.12 |
| Arkansas | 47 | 0.06 | 48 | 0.00 |
| California | 2 | 3.59 | 1 | 3.65 |
| Colorado | 11 | 1.96 | 10 | 2.04 |
| Connecticut | 6 | 2.43 | 8 | 2.26 |
| Delaware | 10 | 1.96 | 13 | 1.69 |
| Florida | 30 | 0.69 | 31 | 0.64 |
| Georgia | 29 | 0.79 | 29 | 0.81 |
| Hawaii | 46 | 0.12 | 45 | 0.10 |
| Idaho | 8 | 2.32 | 9 | 2.17 |
| Illinois | 18 | 1.39 | 17 | 1.31 |
| Indiana | 26 | 0.99 | 26 | 0.98 |
| lowa | 27 | 0.98 | 27 | 0.95 |
| Kansas | 19 | 1.33 | 19 | 1.16 |
| Kentucky | 40 | 0.32 | 42 | 0.25 |
| Louisiana | 45 | 0.13 | 46 | 0.07 |
| Maine | 37 | 0.42 | 36 | 0.41 |
| Maryland | 28 | 0.95 | 28 | 0.93 |
| Massachusetts | 1 | 3.62 | 2 | 3.61 |
| Michigan | 13 | 1.86 | 12 | 1.91 |
| Minnesota | 5 | 3.09 | 4 | 3.12 |
| Mississippi | 50 | -0.06 | 50 | -0.07 |
| Missouri | 35 | 0.54 | 34 | 0.53 |
| Montana | 43 | 0.28 | 43 | 0.19 |
| Nebraska | 36 | 0.48 | 37 | 0.41 |
| Nevada | 24 | 1.07 | 23 | 1.09 |
| New Hampshire | 9 | 2.26 | 7 | 2.32 |
| New Jersey | 12 | 1.94 | 11 | 1.99 |
| New Mexico | 33 | 0.62 | 33 | 0.58 |
| New York | 15 | 1.57 | 15 | 1.55 |
| North Carolina | 23 | 1.13 | 24 | 1.06 |
| North Dakota | 41 | 0.31 | 38 | 0.40 |
| Ohio | 21 | 1.23 | 20 | 1.14 |
| Oklahoma | 42 | 0.29 | 41 | 0.31 |
| Oregon | 7 | 2.40 | 6 | 2.32 |
| Pennsylvania | 25 | 1.01 | 25 | 1.02 |
| Rhode Island | 17 | 1.39 | 18 | 1.21 |
| South Carolina | 34 | 0.59 | 35 | 0.49 |
| South Dakota | 39 | 0.37 | 40 | 0.32 |
| Tennessee | 38 | 0.42 | 39 | 0.36 |
| Texas | 22 | 1.17 | 21 | 1.14 |
| Utah | 14 | 1.69 | 14 | 1.59 |
| Vermont | 4 | 3.15 | 5 | 3.11 |
| Virginia | 31 | 0.66 | 30 | 0.65 |
| Washington | 3 | 3.40 | 3 | 3.35 |
| West Virginia | 48 | 0.04 | 47 | 0.02 |
| Wisconsin | 16 | 1.41 | 16 | 1.39 |
| Wyoming | 32 | 0.64 | 32 | 0.59 |
| Source: U.S. Patent and Trademark Office |  |  |  |  |

## INCOME PER NON-FARM PROPRIETOR

Income per non-farm proprietor is another index component that was stable between 2012 and 2013. The correlation between state ranks for in 2012 and 2013 was 0.994 . The measure has been recently revised, with more emphasis placed on income earned by proprietors in the energy industry, which is part of the reason for high ranks among energy states such as Texas and Oklahoma in both 2013 and 2013.

More broadly, there is a regional pattern in state ranks for income per non-farm proprietor. Densely populated Northeast states with ties to financial services tend to have high ranks. New York is $3^{\text {rd }}$, Connecticut is $4^{\text {th }}$, Pennsylvania is $6^{\text {th }}$, New Jersey is $7^{\text {th }}$, and Massachusetts is $10^{\text {th }}$. As noted, most states with a large energy industry rank high including Texas, Oklahoma and Alaska.

Several Midwest states also achieved a high rank. Kansas was ranked $15^{\text {th }}$ in both 2012 and 2013 while Nebraska was ranked $12^{\text {th }}$ in 2012 and $13^{\text {th }}$ in 2013. South Dakota was ranked $16^{\text {th }}$ in both years while Iowa achieved a rank of $11^{\text {th }}$ in 2013. Strong farm incomes appeared to be correlated with strong non-farm proprietor income, given the many industries which service agricultural production and process agricultural goods.

Many Southern states had lower levels of income per non-farm proprietor including Florida, which was ranked $50^{\text {th }}$, South Carolina which was $49^{\text {th }}$, Georgia which was ranked $48^{\text {th }}$, Arkansas ranked $42^{\text {nd }}$, and North Carolina ranked $40^{\text {th }}$. Other lower ranked states were from throughout the country including Michigan, Maine, Nevada, and Utah. Vermont was ranked $41^{\text {st }}$ in earnings per non-farm proprietor, demonstrating that patent activity (see Table 6) is not necessarily associated with higher proprietor income.

One technical matter to note is that 2013 values of income per proprietor are estimates. Data on the number of non-farm proprietors by state has not yet been estimated by the U.S. Department of Commerce. Income per non-farm proprietor in 2013 was estimated by multiplying 2012 values by the 2013 growth in non-farm proprietor income.

| Table 7 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Income Per Non-Farm Proprietor, 2012 and 2013 |  |  |  |  |
| State | $\begin{aligned} & 2012 \\ & \text { Rank } \end{aligned}$ | Index <br> Value | $\begin{aligned} & 2013 \\ & \text { Rank } \end{aligned}$ | Index <br> Value |
| Alabama | 31 | 0.69 | 34 | 0.70 |
| Alaska | 10 | 2.10 | 8 | 2.19 |
| Arizona | 39 | 0.23 | 38 | 0.26 |
| Arkansas | 40 | 0.17 | 42 | 0.15 |
| California | 25 | 0.90 | 28 | 0.93 |
| Colorado | 21 | 1.16 | 23 | 1.21 |
| Connecticut | 4 | 2.64 | 4 | 2.72 |
| Delaware | 7 | 1.98 | 12 | 2.04 |
| Florida | 50 | -0.61 | 50 | -0.58 |
| Georgia | 49 | -0.10 | 48 | -0.06 |
| Hawaii | 35 | 0.33 | 35 | 0.37 |
| Idaho | 36 | 0.22 | 37 | 0.28 |
| Illinois | 26 | 0.93 | 27 | 0.95 |
| Indiana | 28 | 0.99 | 26 | 0.96 |
| lowa | 13 | 2.10 | 11 | 2.09 |
| Kansas | 15 | 1.88 | 15 | 1.85 |
| Kentucky | 32 | 0.70 | 33 | 0.72 |
| Louisiana | 14 | 1.90 | 14 | 1.94 |
| Maine | 44 | 0.09 | 43 | 0.13 |
| Maryland | 18 | 1.39 | 18 | 1.43 |
| Massachusetts | 11 | 2.01 | 10 | 2.10 |
| Michigan | 46 | -0.02 | 47 | 0.00 |
| Minnesota | 30 | 0.79 | 30 | 0.82 |
| Mississippi | 34 | 0.65 | 31 | 0.76 |
| Missouri | 29 | 0.88 | 29 | 0.89 |
| Montana | 41 | 0.18 | 39 | 0.22 |
| Nebraska | 12 | 1.96 | 13 | 1.99 |
| Nevada | 45 | -0.03 | 46 | 0.03 |
| New Hampshire | 20 | 1.30 | 19 | 1.39 |
| New Jersey | 8 | 2.24 | 7 | 2.29 |
| New Mexico | 42 | 0.11 | 44 | 0.12 |
| New York | 3 | 2.70 | 3 | 2.73 |
| North Carolina | 38 | 0.17 | 40 | 0.20 |
| North Dakota | 23 | 1.27 | 21 | 1.37 |
| Ohio | 24 | 1.17 | 24 | 1.19 |
| Oklahoma | 2 | 3.54 | 2 | 3.58 |
| Oregon | 37 | 0.24 | 36 | 0.28 |
| Pennsylvania | 6 | 2.30 | 6 | 2.30 |
| Rhode Island | 19 | 1.34 | 20 | 1.38 |
| South Carolina | 48 | -0.11 | 49 | -0.07 |
| South Dakota | 16 | 1.71 | 16 | 1.73 |
| Tennessee | 5 | 2.69 | 5 | 2.67 |
| Texas | 1 | 3.67 | 1 | 3.71 |
| Utah | 47 | 0.00 | 45 | 0.04 |
| Vermont | 43 | 0.12 | 41 | 0.17 |
| Virginia | 27 | 1.01 | 25 | 1.04 |
| Washington | 22 | 1.23 | 22 | 1.30 |
| West Virginia | 17 | 1.62 | 17 | 1.57 |
| Wisconsin | 33 | 0.70 | 32 | 0.75 |
| Wyoming | 9 | 2.12 | 9 | 2.11 |
| Sources: U.S. Department of Labor |  |  |  |  |


| Table A. 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Non-Farm Establishments and Growth Rate 2005-2013 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Non-Farm Establishments |  |  |  |  |  |  |  |  |  |  | Growth Rate |  |  |  |  |  |  |  |  |
| State | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| Alabama | 102,090 | 105,189 | 105,719 | 108,556 | 110,206 | 107,647 | 105,973 | 105,765 | 105,450 | 105,712 | 3.03\% | 0.50\% | 2.68\% | 1.52\% | -2.32\% | -1.55\% | -0.20\% | -0.30\% | 0.25\% |
| Alaska | 17,738 | 17,993 | 18,213 | 18,405 | 18,658 | 18,516 | 18,578 | 18,683 | 19,052 | 19,132 | 1.44\% | 1.22\% | 1.06\% | 1.37\% | -0.76\% | 0.33\% | 0.56\% | 1.98\% | 0.42\% |
| Arizona | 122,950 | 128,969 | 140,324 | 149,860 | 152,861 | 144,524 | 137,485 | 136,449 | 138,864 | 139,050 | 4.90\% | 8.80\% | 6.80\% | 2.00\% | -5.45\% | -4.87\% | -0.75\% | 1.77\% | 0.13\% |
| Arkansas | 67,952 | 69,701 | 71,024 | 72,061 | 73,208 | 73,094 | 71,920 | 72,152 | 72,592 | 73,460 | 2.57\% | 1.90\% | 1.46\% | 1.59\% | -0.16\% | -1.61\% | 0.32\% | 0.61\% | 1.20\% |
| California | 830,725 | 838,891 | 856,698 | 870,574 | 878,936 | 870,452 | 858,001 | 855,844 | 861,023 | 883,627 | 0.98\% | 2.12\% | 1.62\% | 0.96\% | -0.97\% | -1.43\% | -0.25\% | 0.61\% | 2.63\% |
| Colorado | 154,782 | 160,767 | 165,879 | 170,233 | 170,734 | 168,204 | 163,752 | 161,549 | 162,759 | 165,409 | 3.87\% | 3.18\% | 2.62\% | 0.29\% | -1.48\% | -2.65\% | -1.35\% | 0.75\% | 1.63\% |
| Connecticut | 98,467 | 99,344 | 100,181 | 101,025 | 101,661 | 100,924 | 99,560 | 98,680 | 98,873 | 100,282 | 0.89\% | 0.84\% | 0.84\% | 0.63\% | -0.72\% | -1.35\% | -0.88\% | 0.20\% | 1.43\% |
| Delaware | 27,363 | 28,818 | 28,803 | 29,338 | 29,189 | 27,929 | 27,226 | 26,662 | 26,096 | 26,147 | 5.32\% | -0.05\% | 1.86\% | -0.51\% | -4.32\% | -2.51\% | -2.07\% | -2.12\% | 0.20\% |
| Florida | 493,642 | 526,147 | 554,392 | 573,730 | 592,906 | 574,950 | 567,974 | 564,845 | 577,486 | 594,025 | 6.58\% | 5.37\% | 3.49\% | 3.34\% | -3.03\% | -1.21\% | -0.55\% | 2.24\% | 2.86\% |
| Georgia | 228,280 | 235,023 | 241,879 | 250,829 | 256,783 | 253,491 | 249,335 | 247,531 | 250,181 | 255,451 | 2.95\% | 2.92\% | 3.70\% | 2.37\% | -1.28\% | -1.64\% | -0.72\% | 1.07\% | 2.11\% |
| Hawaii | 33,119 | 33,348 | 34,006 | 35,131 | 35,775 | 36,028 | 35,565 | 35,062 | 35,082 | 35,556 | 0.69\% | 1.97\% | 3.31\% | 1.83\% | 0.71\% | -1.28\% | -1.41\% | 0.06\% | 1.35\% |
| Idaho | 44,660 | 47,096 | 49,795 | 51,960 | 52,515 | 51,842 | 50,472 | 49,485 | 48,774 | 48,870 | 5.45\% | 5.73\% | 4.35\% | 1.07\% | -1.28\% | -2.64\% | -1.96\% | -1.44\% | 0.20\% |
| Illinois | 308,770 | 317,003 | 327,653 | 337,038 | 342,840 | 347,934 | 350,958 | 356,242 | 361,936 | 369,764 | 2.67\% | 3.36\% | 2.86\% | 1.72\% | 1.49\% | 0.87\% | 1.51\% | 1.60\% | 2.16\% |
| Indiana | 143,531 | 144,451 | 146,094 | 148,501 | 150,435 | 149,748 | 147,948 | 148,739 | 149,642 | 148,965 | 0.64\% | 1.14\% | 1.65\% | 1.30\% | -0.46\% | -1.20\% | 0.53\% | 0.61\% | -0.45\% |
| lowa | 83,139 | 83,362 | 84,220 | 84,889 | 85,080 | 85,049 | 84,459 | 83,385 | 84,639 | 86,493 | 0.27\% | 1.03\% | 0.79\% | 0.22\% | -0.04\% | -0.69\% | -1.27\% | 1.50\% | 2.19\% |
| Kansas | 73,274 | 74,180 | 75,237 | 75,274 | 76,319 | 77,401 | 77,463 | 78,532 | 76,785 | 76,428 | 1.24\% | 1.42\% | 0.05\% | 1.39\% | 1.42\% | 0.08\% | 1.38\% | -2.22\% | -0.47\% |
| Kentucky | 95,617 | 96,387 | 99,706 | 103,434 | 102,854 | 97,097 | 97,567 | 96,263 | 95,556 | 100,024 | 0.81\% | 3.44\% | 3.74\% | -0.56\% | -5.60\% | 0.48\% | -1.34\% | -0.73\% | 4.68\% |
| Louisiana | 104,175 | 107,400 | 109,833 | 110,010 | 111,935 | 113,874 | 117,720 | 114,646 | 114,777 | 116,657 | 3.10\% | 2.27\% | 0.16\% | 1.75\% | 1.73\% | 3.38\% | -2.61\% | 0.11\% | 1.64\% |
| Maine | 43,164 | 43,607 | 43,724 | 44,631 | 45,254 | 44,958 | 43,617 | 43,917 | 44,080 | 44,023 | 1.03\% | 0.27\% | 2.07\% | 1.40\% | -0.66\% | -2.98\% | 0.69\% | 0.37\% | -0.13\% |
| Maryland | 141,430 | 145,798 | 148,158 | 152,145 | 152,854 | 150,370 | 148,816 | 150,545 | 150,977 | 154,579 | 3.09\% | 1.62\% | 2.69\% | 0.47\% | -1.63\% | -1.03\% | 1.16\% | 0.29\% | 2.39\% |
| Massachusetts | 183,791 | 189,030 | 180,283 | 181,310 | 182,094 | 180,358 | 181,885 | 187,022 | 185,483 | 182,770 | 2.85\% | -4.63\% | 0.57\% | 0.43\% | -0.95\% | 0.85\% | 2.82\% | -0.82\% | -1.46\% |
| Michigan | 240,847 | 242,396 | 243,412 | 245,154 | 244,766 | 240,600 | 234,111 | 227,904 | 223,573 | 220,645 | 0.64\% | 0.42\% | 0.72\% | -0.16\% | -1.70\% | -2.70\% | -2.65\% | -1.90\% | -1.31\% |
| Minnesota | 144,284 | 148,347 | 154,186 | 153,289 | 154,940 | 152,137 | 149,694 | 149,822 | 151,440 | 154,361 | 2.82\% | 3.94\% | -0.58\% | 1.08\% | -1.81\% | -1.61\% | 0.09\% | 1.08\% | 1.93\% |
| Mississippi | 59,130 | 60,516 | 61,515 | 62,720 | 63,713 | 63,688 | 62,553 | 62,120 | 62,065 | 63,395 | 2.34\% | 1.65\% | 1.96\% | 1.58\% | -0.04\% | -1.78\% | -0.69\% | -0.09\% | 2.14\% |
| Missouri | 146,779 | 148,257 | 150,034 | 152,060 | 152,589 | 149,823 | 147,755 | 146,085 | 146,619 | 148,272 | 1.01\% | 1.20\% | 1.35\% | 0.35\% | -1.81\% | -1.38\% | -1.13\% | 0.37\% | 1.13\% |


| Table A. 1 (Continued) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Non-Farm Establishments and Growth Rate 2005-2013 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Non-Farm Establishments |  |  |  |  |  |  |  |  |  |  | Growth Rate |  |  |  |  |  |  |  |  |
| State | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| Montana | 37,978 | 36,507 | 37,350 | 38,575 | 39,381 | 39,168 | 38,583 | 38,385 | 38,691 | 39,592 | -3.87\% | 2.31\% | 3.28\% | 2.09\% | -0.54\% | -1.49\% | -0.51\% | 0.80\% | 2.33\% |
| Nebraska | 49,787 | 50,922 | 52,174 | 52,993 | 53,813 | 54,114 | 54,044 | 54,311 | 55,232 | 56,403 | 2.28\% | 2.46\% | 1.57\% | 1.55\% | 0.56\% | -0.13\% | 0.49\% | 1.70\% | 2.12\% |
| Nevada | 60,253 | 63,654 | 67,783 | 71,745 | 73,981 | 73,327 | 70,021 | 68,531 | 69,366 | 71,082 | 5.65\% | 6.49\% | 5.84\% | 3.12\% | -0.88\% | -4.51\% | -2.13\% | 1.22\% | 2.47\% |
| New Hampshire | 43,336 | 43,629 | 44,531 | 45,028 | 45,305 | 44,898 | 44,155 | 43,925 | 44,576 | 45,225 | 0.68\% | 2.07\% | 1.12\% | 0.61\% | -0.90\% | -1.66\% | -0.52\% | 1.48\% | 1.45\% |
| New Jersey | 250,368 | 256,469 | 258,625 | 257,449 | 257,762 | 251,043 | 251,320 | 250,129 | 244,376 | 245,225 | 2.44\% | 0.84\% | -0.45\% | 0.12\% | -2.61\% | 0.11\% | -0.47\% | -2.30\% | 0.35\% |
| New Mexico | 44,847 | 45,266 | 46,743 | 47,938 | 48,430 | 47,847 | 47,880 | 48,448 | 48,754 | 48,614 | 0.93\% | 3.26\% | 2.56\% | 1.03\% | -1.20\% | 0.07\% | 1.19\% | 0.63\% | -0.29\% |
| New York | 512,204 | 519,453 | 527,420 | 533,466 | 539,393 | 541,135 | 543,057 | 550,381 | 557,462 | 567,653 | 1.42\% | 1.53\% | 1.15\% | 1.11\% | 0.32\% | 0.36\% | 1.35\% | 1.29\% | 1.83\% |
| North Carolina | 211,629 | 215,883 | 224,145 | 233,645 | 240,168 | 237,218 | 233,332 | 235,177 | 238,862 | 237,557 | 2.01\% | 3.83\% | 4.24\% | 2.79\% | -1.23\% | -1.64\% | 0.79\% | 1.57\% | -0.55\% |
| North Dakota | 21,767 | 22,286 | 22,615 | 22,294 | 22,768 | 22,973 | 23,234 | 24,193 | 26,025 | 27,605 | 2.38\% | 1.48\% | -1.42\% | 2.13\% | 0.90\% | 1.14\% | 4.13\% | 7.57\% | 6.07\% |
| Ohio | 264,848 | 266,582 | 267,345 | 268,782 | 270,990 | 267,330 | 262,323 | 263,904 | 264,075 | 263,664 | 0.65\% | 0.29\% | 0.54\% | 0.82\% | -1.35\% | -1.87\% | 0.60\% | 0.06\% | -0.16\% |
| Oklahoma | 83,593 | 85,692 | 87,648 | 90,073 | 92,103 | 92,272 | 93,259 | 93,667 | 95,253 | 96,499 | 2.51\% | 2.28\% | 2.77\% | 2.25\% | 0.18\% | 1.07\% | 0.44\% | 1.69\% | 1.31\% |
| Oregon | 107,747 | 110,632 | 115,525 | 118,974 | 117,669 | 115,013 | 114,008 | 114,603 | 116,077 | 118,705 | 2.68\% | 4.42\% | 2.99\% | -1.10\% | -2.26\% | -0.87\% | 0.52\% | 1.29\% | 2.26\% |
| Pennsylvania | 298,449 | 300,585 | 297,986 | 302,436 | 303,337 | 300,491 | 296,757 | 298,547 | 302,259 | 299,728 | 0.72\% | -0.86\% | 1.49\% | 0.30\% | -0.94\% | -1.24\% | 0.60\% | 1.24\% | -0.84\% |
| Rhode Island | 33,238 | 33,869 | 34,109 | 34,227 | 33,869 | 33,360 | 32,832 | 32,613 | 32,710 | 32,962 | 1.90\% | 0.71\% | 0.35\% | -1.05\% | -1.50\% | -1.58\% | -0.67\% | 0.30\% | 0.77\% |
| South Carolina | 102,520 | 108,697 | 115,957 | 112,211 | 109,328 | 105,847 | 101,879 | 101,196 | 101,803 | 106,131 | 6.02\% | 6.68\% | -3.23\% | -2.57\% | -3.18\% | -3.75\% | -0.67\% | 0.60\% | 4.25\% |
| South Dakota | 25,430 | 26,045 | 26,577 | 26,999 | 27,305 | 27,581 | 27,648 | 27,801 | 28,117 | 28,429 | 2.42\% | 2.04\% | 1.59\% | 1.13\% | 1.01\% | 0.24\% | 0.55\% | 1.14\% | 1.11\% |
| Tennessee | 120,170 | 122,313 | 126,116 | 130,626 | 133,516 | 131,860 | 129,536 | 128,494 | 129,863 | 132,327 | 1.78\% | 3.11\% | 3.58\% | 2.21\% | -1.24\% | -1.76\% | -0.80\% | 1.07\% | 1.90\% |
| Texas | 469,555 | 479,411 | 490,644 | 516,168 | 520,062 | 519,402 | 521,419 | 528,864 | 540,245 | 550,993 | 2.10\% | 2.34\% | 5.20\% | 0.75\% | -0.13\% | 0.39\% | 1.43\% | 2.15\% | 1.99\% |
| Utah | 69,470 | 74,343 | 78,737 | 80,566 | 81,055 | 79,352 | 76,876 | 76,875 | 78,014 | 80,109 | 7.01\% | 5.91\% | 2.32\% | 0.61\% | -2.10\% | -3.12\% | 0.00\% | 1.48\% | 2.69\% |
| Vermont | 21,490 | 21,794 | 22,000 | 22,246 | 22,374 | 22,128 | 21,669 | 21,590 | 21,797 | 21,809 | 1.42\% | 0.94\% | 1.12\% | 0.57\% | -1.10\% | -2.08\% | -0.36\% | 0.96\% | 0.06\% |
| Virginia | 185,799 | 192,046 | 196,337 | 203,994 | 204,254 | 202,999 | 200,123 | 200,397 | 202,720 | 202,648 | 3.36\% | 2.23\% | 3.90\% | 0.13\% | -0.61\% | -1.42\% | 0.14\% | 1.16\% | -0.04\% |
| Washington | 157,843 | 161,237 | 165,917 | 170,509 | 172,948 | 172,666 | 169,000 | 168,310 | 167,709 | 169,607 | 2.15\% | 2.90\% | 2.77\% | 1.43\% | -0.16\% | -2.12\% | -0.41\% | -0.36\% | 1.13\% |
| West Virginia | 42,432 | 42,779 | 42,897 | 43,132 | 43,054 | 42,502 | 42,173 | 42,093 | 42,556 | 42,749 | 0.82\% | 0.28\% | 0.55\% | -0.18\% | -1.28\% | -0.77\% | -0.19\% | 1.10\% | 0.45\% |
| Wisconsin | 142,511 | 145,123 | 146,800 | 143,457 | 144,988 | 140,969 | 138,613 | 139,062 | 139,424 | 140,634 | 1.83\% | 1.16\% | -2.28\% | 1.07\% | -2.77\% | -1.67\% | 0.32\% | 0.26\% | 0.87\% |
| Wyoming | 20,149 | 20,773 | 21,547 | 22,068 | 22,633 | 22,803 | 22,642 | 22,634 | 22,880 | 22,976 | 3.10\% | 3.73\% | 2.42\% | 2.56\% | 0.75\% | -0.71\% | -0.04\% | 1.09\% | 0.42\% |

Sources: U.S. Departments of Labor and Commerce
Note: Average value of quarterly establishments Q4 of previous year through Q3 of current year

| Table A. 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Growth Rate of Non-Farm Establishments Per Person 2005-2013 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Population Estimates (July 1 of Year) |  |  |  |  |  |  |  |  |  |  | Growth Rate in Non-Farm Establishments Per Capita |  |  |  |  |  |  |  |  |
| State | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| Alabama | 4,512,190 | 4,545,049 | 4,597,688 | 4,637,904 | 4,677,464 | 4,708,708 | 4,785,570 | 4,801,627 | 4,817,528 | 4,833,722 | 2.3\% | -0.6\% | 1.8\% | 0.7\% | -3.0\% | -2.0\% | -0.5\% | -0.6\% | -0.1\% |
| Alaska | 661,569 | 669,488 | 677,325 | 682,297 | 688,125 | 698,473 | 713,868 | 723,375 | 730,307 | 735,132 | 0.2\% | 0.0\% | 0.3\% | 0.5\% | -2.2\% | -1.1\% | -0.8\% | 1.0\% | -0.2\% |
| Arizona | 5,759,425 | 5,974,834 | 6,192,100 | 6,362,241 | 6,499,377 | 6,595,778 | 6,408,790 | 6,468,796 | 6,551,149 | 6,626,624 | 1.1\% | 5.0\% | 3.9\% | -0.1\% | -6.8\% | -6.0\% | -1.7\% | 0.5\% | -1.0\% |
| Arkansas | 2,746,161 | 2,776,221 | 2,815,097 | 2,842,194 | 2,867,764 | 2,889,450 | 2,922,280 | 2,938,506 | 2,949,828 | 2,959,373 | 1.5\% | 0.5\% | 0.5\% | 0.7\% | -0.9\% | -2.3\% | -0.2\% | 0.2\% | 0.9\% |
| California | 35,558,419 | 35,795,255 | 35,979,208 | 36,226,122 | 36,580,371 | 36,961,664 | 37,333,601 | 37,668,681 | 37,999,878 | 38,332,521 | 0.3\% | 1.6\% | 0.9\% | 0.0\% | -2.0\% | -2.2\% | -1.1\% | -0.3\% | 1.7\% |
| Colorado | 4,599,681 | 4,660,780 | 4,753,044 | 4,842,259 | 4,935,213 | 5,024,748 | 5,048,196 | 5,118,400 | 5,189,458 | 5,268,367 | 2.5\% | 1.2\% | 0.7\% | -1.6\% | -3.2\% | -4.0\% | -2.7\% | -0.6\% | 0.1\% |
| Connecticut | 3,474,610 | 3,477,416 | 3,485,162 | 3,488,633 | 3,502,932 | 3,518,288 | 3,579,210 | 3,588,948 | 3,591,765 | 3,596,080 | 0.8\% | 0.6\% | 0.7\% | 0.2\% | -1.2\% | -1.6\% | -1.2\% | 0.1\% | 1.3\% |
| Delaware | 826,639 | 839,906 | 853,022 | 864,896 | 876,211 | 885,122 | 899,711 | 907,985 | 917,053 | 925,749 | 3.7\% | -1.6\% | 0.5\% | -1.8\% | -5.3\% | -3.2\% | -3.0\% | -3.1\% | -0.7\% |
| Florida | 17,375,259 | 17,783,868 | 18,088,505 | 18,277,888 | 18,423,878 | 18,537,969 | 18,846,054 | 19,083,482 | 19,320,749 | 19,552,860 | 4.1\% | 3.6\% | 2.4\% | 2.5\% | -3.6\% | -2.0\% | -1.8\% | 1.0\% | 1.6\% |
| Georgia | 8,913,676 | 9,097,428 | 9,330,086 | 9,533,761 | 9,697,838 | 9,829,211 | 9,713,248 | 9,810,181 | 9,915,646 | 9,992,167 | 0.9\% | 0.4\% | 1.5\% | 0.6\% | -2.6\% | -2.4\% | -1.7\% | 0.0\% | 1.3\% |
| Hawaii | 1,252,782 | 1,266,117 | 1,275,599 | 1,276,832 | 1,287,481 | 1,295,178 | 1,363,731 | 1,376,897 | 1,390,090 | 1,404,054 | -0.4\% | 1.2\% | 3.2\% | 1.0\% | 0.1\% | -1.7\% | -2.4\% | -0.9\% | 0.3\% |
| Idaho | 1,391,718 | 1,425,862 | 1,464,413 | 1,499,245 | 1,527,506 | 1,545,801 | 1,570,718 | 1,583,930 | 1,595,590 | 1,612,136 | 2.9\% | 2.9\% | 1.9\% | -0.8\% | -2.5\% | -3.5\% | -2.8\% | -2.2\% | -0.8\% |
| Illinois | 12,645,295 | 12,674,452 | 12,718,011 | 12,779,417 | 12,842,954 | 12,910,409 | 12,839,695 | 12,855,970 | 12,868,192 | 12,882,135 | 2.4\% | 3.0\% | 2.4\% | 1.2\% | 1.0\% | 0.6\% | 1.4\% | 1.5\% | 2.1\% |
| Indiana | 6,214,454 | 6,253,120 | 6,301,700 | 6,346,113 | 6,388,309 | 6,423,113 | 6,489,965 | 6,516,336 | 6,537,782 | 6,570,902 | 0.0\% | 0.4\% | 0.9\% | 0.6\% | -1.0\% | -1.5\% | 0.1\% | 0.3\% | -1.0\% |
| Iowa | 2,941,358 | 2,949,450 | 2,964,391 | 2,978,719 | 2,993,987 | 3,007,856 | 3,050,314 | 3,064,102 | 3,075,039 | 3,090,416 | 0.0\% | 0.5\% | 0.3\% | -0.3\% | -0.5\% | -1.2\% | -1.7\% | 1.1\% | 1.7\% |
| Kansas | 2,730,765 | 2,741,771 | 2,755,700 | 2,775,586 | 2,797,375 | 2,818,747 | 2,858,910 | 2,869,548 | 2,885,398 | 2,893,957 | 0.8\% | 0.9\% | -0.7\% | 0.6\% | 0.6\% | -0.7\% | 1.0\% | -2.8\% | -0.8\% |
| Kentucky | 4,147,970 | 4,182,293 | 4,219,374 | 4,256,278 | 4,287,931 | 4,314,113 | 4,347,698 | 4,366,869 | 4,379,730 | 4,395,295 | 0.0\% | 2.5\% | 2.8\% | -1.3\% | -6.2\% | -0.1\% | -1.8\% | -1.0\% | 4.3\% |
| Louisiana | 4,489,327 | 4,497,691 | 4,240,327 | 4,376,122 | 4,451,513 | 4,492,076 | 4,545,392 | 4,575,197 | 4,602,134 | 4,625,470 | 2.9\% | 8.5\% | -2.9\% | 0.0\% | 0.8\% | 2.5\% | -3.2\% | -0.5\% | 1.1\% |
| Maine | 1,308,253 | 1,311,631 | 1,314,963 | 1,317,308 | 1,319,691 | 1,318,301 | 1,327,366 | 1,327,844 | 1,328,501 | 1,328,302 | 0.8\% | 0.0\% | 1.9\% | 1.2\% | -0.6\% | -2.6\% | 0.7\% | 0.3\% | -0.1\% |
| Maryland | 5,542,659 | 5,582,520 | 5,612,196 | 5,634,242 | 5,658,655 | 5,699,478 | 5,787,193 | 5,840,241 | 5,884,868 | 5,928,814 | 2.4\% | 1.1\% | 2.3\% | 0.0\% | -2.3\% | -1.7\% | 0.2\% | -0.5\% | 1.6\% |
| Massachusetts | 6,451,279 | 6,453,031 | 6,466,399 | 6,499,275 | 6,543,595 | 6,593,587 | 6,563,263 | 6,606,285 | 6,645,303 | 6,692,824 | 2.8\% | -4.8\% | 0.1\% | -0.2\% | -1.7\% | 0.3\% | 2.2\% | -1.4\% | -2.2\% |
| Michigan | 10,089,305 | 10,090,554 | 10,082,438 | 10,050,847 | 10,002,486 | 9,969,727 | 9,876,149 | 9,874,589 | 9,882,519 | 9,895,622 | 0.6\% | 0.5\% | 1.0\% | 0.3\% | -1.4\% | -2.3\% | -2.6\% | -2.0\% | -1.4\% |
| Minnesota | 5,079,344 | 5,106,560 | 5,148,346 | 5,191,206 | 5,230,567 | 5,266,214 | 5,310,337 | 5,347,108 | 5,379,646 | 5,420,380 | 2.3\% | 3.1\% | -1.4\% | 0.3\% | -2.5\% | -2.1\% | -0.6\% | 0.5\% | 1.2\% |
| Mississippi | 2,886,006 | 2,900,116 | 2,897,150 | 2,921,723 | 2,940,212 | 2,951,996 | 2,970,047 | 2,977,886 | 2,986,450 | 2,991,207 | 1.8\% | 1.8\% | 1.1\% | 0.9\% | -0.4\% | -2.1\% | -1.0\% | -0.4\% | 2.0\% |
| Missouri | 5,758,444 | 5,806,639 | 5,861,572 | 5,909,824 | 5,956,335 | 5,987,580 | 5,996,063 | 6,010,065 | 6,024,522 | 6,044,171 | 0.2\% | 0.3\% | 0.5\% | -0.4\% | -2.3\% | -1.8\% | -1.4\% | 0.1\% | 0.8\% |


| Table A. 2 (Continued) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Growth Rate of Non-Farm Establishments Per Person 2005-2013 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Population Estimates (July 1 of Year) |  |  |  |  |  |  |  |  |  |  | Growth Rate in Non-Farm Establishments Per Capita |  |  |  |  |  |  |  |  |
| State | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| Montana | 925,887 | 934,801 | 946,230 | 957,225 | 968,035 | 974,989 | 990,527 | 997,600 | 1,005,494 | 1,015,165 | -4.8\% | 1.1\% | 2.1\% | 0.9\% | -1.2\% | -2.0\% | -1.2\% | 0.0\% | 1.4\% |
| Nebraska | 1,742,184 | 1,751,721 | 1,760,435 | 1,769,912 | 1,781,949 | 1,796,619 | 1,829,838 | 1,841,749 | 1,855,350 | 1,868,516 | 1.7\% | 2.0\% | 1.0\% | 0.9\% | -0.3\% | -0.9\% | -0.2\% | 1.0\% | 1.4\% |
| Nevada | 2,328,703 | 2,408,804 | 2,493,405 | 2,567,752 | 2,615,772 | 2,643,085 | 2,703,230 | 2,717,951 | 2,754,354 | 2,790,136 | 2.1\% | 2.9\% | 2.8\% | 1.2\% | -1.9\% | -4.9\% | -2.7\% | -0.1\% | 1.2\% |
| New Hampshire | 1,292,766 | 1,301,415 | 1,311,894 | 1,317,343 | 1,321,872 | 1,324,575 | 1,316,614 | 1,318,075 | 1,321,617 | 1,323,459 | 0.0\% | 1.3\% | 0.7\% | 0.3\% | -1.1\% | -1.6\% | -0.6\% | 1.2\% | 1.3\% |
| New Jersey | 8,611,530 | 8,621,837 | 8,623,721 | 8,636,043 | 8,663,398 | 8,707,739 | 8,802,707 | 8,836,639 | 8,867,749 | 8,899,339 | 2.3\% | 0.8\% | -0.6\% | -0.2\% | -3.1\% | -0.2\% | -0.9\% | -2.6\% | 0.0\% |
| New Mexico | 1,891,829 | 1,916,538 | 1,942,608 | 1,968,731 | 1,986,763 | 2,009,671 | 2,064,982 | 2,077,919 | 2,083,540 | 2,085,287 | -0.4\% | 1.9\% | 1.2\% | 0.1\% | -2.3\% | -1.1\% | 0.6\% | 0.4\% | -0.4\% |
| New York | 19,297,933 | 19,330,891 | 19,356,564 | 19,422,777 | 19,467,789 | 19,541,453 | 19,398,228 | 19,502,728 | 19,576,125 | 19,651,127 | 1.2\% | 1.4\% | 0.8\% | 0.9\% | -0.1\% | 0.2\% | 0.8\% | 0.9\% | 1.4\% |
| North Carolina | 8,531,283 | 8,669,452 | 8,866,977 | 9,064,074 | 9,247,134 | 9,380,884 | 9,559,533 | 9,651,377 | 9,748,364 | 9,848,060 | 0.4\% | 1.5\% | 2.0\% | 0.8\% | -2.6\% | -2.4\% | -0.2\% | 0.6\% | -1.6\% |
| North Dakota | 636,303 | 635,365 | 636,771 | 638,202 | 641,421 | 646,844 | 674,344 | 684,867 | 701,345 | 723,393 | 2.5\% | 1.3\% | -1.6\% | 1.6\% | 0.1\% | 0.1\% | 2.5\% | 5.0\% | 2.8\% |
| Ohio | 11,464,593 | 11,475,262 | 11,492,495 | 11,520,815 | 11,528,072 | 11,542,645 | 11,545,435 | 11,549,772 | 11,553,031 | 11,570,808 | 0.6\% | 0.1\% | 0.3\% | 0.8\% | -1.5\% | -1.8\% | 0.6\% | 0.0\% | -0.3\% |
| Oklahoma | 3,514,449 | 3,532,769 | 3,574,334 | 3,612,186 | 3,644,025 | 3,687,050 | 3,759,263 | 3,785,534 | 3,815,780 | 3,850,568 | 2.0\% | 1.1\% | 1.7\% | 1.4\% | -1.0\% | 0.1\% | -0.3\% | 0.9\% | 0.4\% |
| Oregon | 3,573,505 | 3,617,869 | 3,677,545 | 3,732,957 | 3,782,991 | 3,825,657 | 3,837,208 | 3,867,937 | 3,899,801 | 3,930,065 | 1.4\% | 2.7\% | 1.5\% | -2.4\% | -3.3\% | -1.6\% | -0.3\% | 0.5\% | 1.5\% |
| Pennsylvania | 12,388,368 | 12,418,161 | 12,471,142 | 12,522,531 | 12,566,368 | 12,604,767 | 12,710,472 | 12,741,310 | 12,764,475 | 12,773,801 | 0.5\% | -1.3\% | 1.1\% | -0.1\% | -1.2\% | -1.5\% | 0.4\% | 1.1\% | -0.9\% |
| Rhode Island | 1,071,414 | 1,064,989 | 1,060,196 | 1,055,009 | 1,053,502 | 1,053,209 | 1,052,669 | 1,050,350 | 1,050,304 | 1,051,511 | 2.5\% | 1.2\% | 0.8\% | -0.9\% | -1.5\% | -1.9\% | -0.4\% | 0.3\% | 0.7\% |
| South Carolina | 4,201,306 | 4,256,199 | 4,339,399 | 4,424,232 | 4,503,280 | 4,561,242 | 4,636,361 | 4,673,509 | 4,723,417 | 4,774,839 | 4.7\% | 4.6\% | -5.1\% | -4.3\% | -4.4\% | -4.5\% | -1.5\% | -0.5\% | 3.1\% |
| South Dakota | 774,283 | 780,084 | 788,519 | 797,035 | 804,532 | 812,383 | 816,211 | 823,772 | 834,047 | 844,877 | 1.7\% | 1.0\% | 0.5\% | 0.2\% | 0.0\% | -0.7\% | -0.4\% | -0.1\% | -0.2\% |
| Tennessee | 5,916,762 | 5,995,748 | 6,089,453 | 6,172,862 | 6,240,456 | 6,296,254 | 6,356,683 | 6,398,361 | 6,454,914 | 6,495,978 | 0.4\% | 1.5\% | 2.2\% | 1.1\% | -2.1\% | -2.4\% | -1.4\% | 0.2\% | 1.3\% |
| Texas | 22,418,319 | 22,801,920 | 23,369,024 | 23,837,701 | 24,304,290 | 24,782,302 | 25,245,178 | 25,640,909 | 26,060,796 | 26,448,193 | 0.4\% | -0.1\% | 3.1\% | -1.2\% | -2.1\% | -1.3\% | -0.1\% | 0.5\% | 0.5\% |
| Utah | 2,438,915 | 2,499,637 | 2,583,724 | 2,663,796 | 2,727,343 | 2,784,572 | 2,774,424 | 2,814,784 | 2,854,871 | 2,900,872 | 4.4\% | 2.5\% | -0.8\% | -1.7\% | -4.1\% | -4.7\% | -1.4\% | 0.1\% | 1.1\% |
| Vermont | 618,145 | 618,814 | 619,985 | 620,460 | 621,049 | 621,760 | 625,793 | 626,320 | 625,953 | 626,630 | 1.3\% | 0.8\% | 1.0\% | 0.5\% | -1.2\% | -2.2\% | -0.4\% | 1.0\% | -0.1\% |
| Virginia | 7,468,914 | 7,563,887 | 7,646,996 | 7,719,749 | 7,795,424 | 7,882,590 | 8,024,417 | 8,105,850 | 8,186,628 | 8,260,405 | 2.1\% | 1.1\% | 2.9\% | -0.8\% | -1.7\% | -2.3\% | -0.9\% | 0.2\% | -0.9\% |
| Washington | 6,184,289 | 6,261,282 | 6,372,243 | 6,464,979 | 6,566,073 | 6,664,195 | 6,742,256 | 6,821,481 | 6,895,318 | 6,971,406 | 0.9\% | 1.1\% | 1.3\% | -0.1\% | -1.6\% | -3.3\% | -1.6\% | -1.4\% | 0.0\% |
| West Virginia | 1,803,302 | 1,803,920 | 1,807,237 | 1,811,198 | 1,814,873 | 1,819,777 | 1,854,146 | 1,855,184 | 1,856,680 | 1,854,304 | 0.8\% | 0.1\% | 0.3\% | -0.4\% | -1.5\% | -1.1\% | -0.2\% | 1.0\% | 0.6\% |
| Wisconsin | 5,511,385 | 5,541,443 | 5,571,680 | 5,601,571 | 5,627,610 | 5,654,774 | 5,689,060 | 5,708,785 | 5,724,554 | 5,742,713 | 1.3\% | 0.6\% | -2.8\% | 0.6\% | -3.2\% | -1.9\% | 0.0\% | 0.0\% | 0.5\% |
| Wyoming | 502,988 | 506,242 | 512,841 | 523,414 | 532,981 | 544,270 | 564,222 | 567,329 | 576,626 | 582,658 | 2.4\% | 2.4\% | 0.3\% | 0.7\% | -1.3\% | -1.3\% | -0.6\% | -0.5\% | -0.6\% |

[^0]| Table A. 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Establishments Births and Establishment Births Per Person 2005-2013 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Establishment Births |  |  |  |  |  |  |  |  |  | Establishment Births Per Person |  |  |  |  |  |  |  |  |
| State | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| Alabama | 10,640 | 10,579 | 10,926 | 10,110 | 8,133 | 8,766 | 9,119 | 9,571 | 8,997 | 0.00234 | 0.00230 | 0.00236 | 0.00216 | 0.00173 | 0.00183 | 0.00190 | 0.00199 | 0.00186 |
| Alaska | 2,072 | 1,967 | 1,957 | 1,999 | 1,876 | 1,863 | 1,891 | 2,022 | 1,835 | 0.00309 | 0.00290 | 0.00287 | 0.00290 | 0.00269 | 0.00261 | 0.00261 | 0.00277 | 0.00250 |
| Arizona | 18,921 | 21,060 | 18,645 | 16,978 | 15,804 | 14,865 | 15,005 | 15,144 | 15,366 | 0.00317 | 0.00340 | 0.00293 | 0.00261 | 0.00240 | 0.00232 | 0.00232 | 0.00231 | 0.00232 |
| Arkansas | 7,649 | 9,592 | 7,802 | 8,658 | 6,946 | 7,520 | 7,655 | 7,723 | 7,127 | 0.00276 | 0.00341 | 0.00275 | 0.00302 | 0.00240 | 0.00257 | 0.00261 | 0.00262 | 0.00241 |
| California | 103,200 | 103,037 | 100,593 | 95,999 | 81,095 | 87,347 | 91,869 | 97,146 | 98,571 | 0.00288 | 0.00286 | 0.00278 | 0.00262 | 0.00219 | 0.00234 | 0.00244 | 0.00256 | 0.00257 |
| Colorado | 21,132 | 21,118 | 21,283 | 20,443 | 17,087 | 16,740 | 17,649 | 18,254 | 18,784 | 0.00453 | 0.00444 | 0.00440 | 0.00414 | 0.00340 | 0.00332 | 0.00345 | 0.00352 | 0.00357 |
| Connecticut | 8,453 | 8,907 | 8,734 | 8,295 | 6,918 | 7,296 | 7,881 | 8,406 | 7,747 | 0.00243 | 0.00256 | 0.00250 | 0.00237 | 0.00197 | 0.00204 | 0.00220 | 0.00234 | 0.00215 |
| Delaware | 2,930 | 3,383 | 2,955 | 2,986 | 2,370 | 2,690 | 2,776 | 2,754 | 3,140 | 0.00349 | 0.00397 | 0.00342 | 0.00341 | 0.00268 | 0.00299 | 0.00306 | 0.00300 | 0.00339 |
| Florida | 84,374 | 84,380 | 80,907 | 73,480 | 65,036 | 66,736 | 70,267 | 72,842 | 72,296 | 0.00474 | 0.00466 | 0.00443 | 0.00399 | 0.00351 | 0.00354 | 0.00368 | 0.00377 | 0.00370 |
| Georgia | 30,719 | 29,882 | 30,017 | 28,920 | 23,850 | 25,199 | 25,561 | 26,185 | 25,897 | 0.00338 | 0.00320 | 0.00315 | 0.00298 | 0.00243 | 0.00259 | 0.00261 | 0.00264 | 0.00259 |
| Hawaii | 3,276 | 3,303 | 3,283 | 3,158 | 2,623 | 2,899 | 3,019 | 3,146 | 2,938 | 0.00259 | 0.00259 | 0.00257 | 0.00245 | 0.00203 | 0.00213 | 0.00219 | 0.00226 | 0.00209 |
| Idaho | 6,577 | 7,121 | 6,440 | 5,709 | 4,624 | 4,822 | 4,945 | 5,131 | 5,725 | 0.00461 | 0.00486 | 0.00430 | 0.00374 | 0.00299 | 0.00307 | 0.00312 | 0.00322 | 0.00355 |
| Illinois | 32,120 | 32,041 | 29,171 | 30,053 | 26,981 | 27,724 | 30,217 | 28,543 | 24,928 | 0.00253 | 0.00252 | 0.00228 | 0.00234 | 0.00209 | 0.00216 | 0.00235 | 0.00222 | 0.00194 |
| Indiana | 14,127 | 13,266 | 13,551 | 13,248 | 10,660 | 11,284 | 13,819 | 12,674 | 11,877 | 0.00226 | 0.00211 | 0.00214 | 0.00207 | 0.00166 | 0.00174 | 0.00212 | 0.00194 | 0.00181 |
| lowa | 7,116 | 7,109 | 6,973 | 6,688 | 5,903 | 4,723 | 6,249 | 7,501 | 7,823 | 0.00241 | 0.00240 | 0.00234 | 0.00223 | 0.00196 | 0.00155 | 0.00204 | 0.00244 | 0.00253 |
| Kansas | 7,223 | 7,322 | 7,138 | 7,363 | 6,759 | 6,015 | 7,121 | 7,018 | 7,434 | 0.00263 | 0.00266 | 0.00257 | 0.00263 | 0.00240 | 0.00210 | 0.00248 | 0.00243 | 0.00257 |
| Kentucky | 9,304 | 8,334 | 9,522 | 8,845 | 7,344 | 7,599 | 7,984 | 8,417 | 9,973 | 0.00222 | 0.00198 | 0.00224 | 0.00206 | 0.00170 | 0.00175 | 0.00183 | 0.00192 | 0.00227 |
| Louisiana | 10,132 | 11,495 | 11,894 | 10,676 | 9,489 | 9,482 | 10,156 | 10,252 | 9,588 | 0.00225 | 0.00271 | 0.00272 | 0.00240 | 0.00211 | 0.00209 | 0.00222 | 0.00223 | 0.00207 |
| Maine | 4,322 | 4,445 | 4,240 | 4,132 | 3,784 | 3,788 | 3,914 | 3,803 | 3,688 | 0.00330 | 0.00338 | 0.00322 | 0.00313 | 0.00287 | 0.00285 | 0.00295 | 0.00286 | 0.00278 |
| Maryland | 17,056 | 16,344 | 15,196 | 15,403 | 13,783 | 13,912 | 14,467 | 15,129 | 14,980 | 0.00306 | 0.00291 | 0.00270 | 0.00272 | 0.00242 | 0.00240 | 0.00248 | 0.00257 | 0.00253 |
| Massachusetts | 17,938 | 16,493 | 16,414 | 15,334 | 13,257 | 14,020 | 16,348 | 15,951 | 16,383 | 0.00278 | 0.00255 | 0.00253 | 0.00234 | 0.00201 | 0.00214 | 0.00247 | 0.00240 | 0.00245 |
| Michigan | 23,751 | 21,513 | 20,974 | 20,327 | 19,425 | 17,871 | 19,391 | 18,017 | 19,141 | 0.00235 | 0.00213 | 0.00209 | 0.00203 | 0.00195 | 0.00181 | 0.00196 | 0.00182 | 0.00193 |
| Minnesota | 11,549 | 14,222 | 16,520 | 12,505 | 12,058 | 10,391 | 15,105 | 12,682 | 11,552 | 0.00226 | 0.00276 | 0.00318 | 0.00239 | 0.00229 | 0.00196 | 0.00282 | 0.00236 | 0.00213 |
| Mississippi | 5,956 | 6,902 | 6,685 | 5,914 | 4,944 | 5,281 | 5,428 | 5,306 | 5,061 | 0.00205 | 0.00238 | 0.00229 | 0.00201 | 0.00167 | 0.00178 | 0.00182 | 0.00178 | 0.00169 |
| Missouri | 14,796 | 15,200 | 14,545 | 12,222 | 12,832 | 11,729 | 12,488 | 12,980 | 13,258 | 0.00255 | 0.00259 | 0.00246 | 0.00205 | 0.00214 | 0.00196 | 0.00208 | 0.00215 | 0.00219 |


| Table A. 3 (Continued) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Establishments Births and Establishment Births Per Person 2005-2013 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Establishment Births |  |  |  |  |  |  |  |  |  | Establishment Births Per Person |  |  |  |  |  |  |  |  |
| State | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| Montana | 4,283 | 4,316 | 4,246 | 3,789 | 3,373 | 3,232 | 3,599 | 3,882 | 3,892 | 0.00458 | 0.00456 | 0.00444 | 0.00391 | 0.00346 | 0.00326 | 0.00361 | 0.00386 | 0.00383 |
| Nebraska | 4,870 | 4,758 | 4,709 | 4,818 | 4,237 | 4,317 | 4,634 | 4,765 | 4,926 | 0.00278 | 0.00270 | 0.00266 | 0.00270 | 0.00236 | 0.00236 | 0.00252 | 0.00257 | 0.00264 |
| Nevada New | 9,849 | 9,787 | 9,699 | 9,089 | 7,497 | 7,640 | 7,921 | 8,200 | 8,646 | 0.00409 | 0.00393 | 0.00378 | 0.00347 | 0.00284 | 0.00283 | 0.00291 | 0.00298 | 0.00310 |
| New Hampshire | 4,846 | 5,017 | 4,660 | 4,696 | 3,888 | 4,246 | 4,404 | 4,587 | 4,305 | 0.00372 | 0.00382 | 0.00354 | 0.00355 | 0.00294 | 0.00322 | 0.00334 | 0.00347 | 0.00325 |
| New Jersey | 31,145 | 30,378 | 28,961 | 27,534 | 24,080 | 23,965 | 25,998 | 25,511 | 26,950 | 0.00361 | 0.00352 | 0.00335 | 0.00318 | 0.00277 | 0.00272 | 0.00294 | 0.00288 | 0.00303 |
| New Mexico | 5,593 | 5,970 | 5,889 | 5,657 | 4,767 | 4,770 | 4,844 | 4,923 | 4,436 | 0.00292 | 0.00307 | 0.00299 | 0.00285 | 0.00237 | 0.00231 | 0.00233 | 0.00236 | 0.00213 |
| New York | 54,961 | 55,655 | 55,176 | 53,341 | 49,145 | 52,559 | 57,120 | 55,679 | 56,870 | 0.00284 | 0.00288 | 0.00284 | 0.00274 | 0.00251 | 0.00271 | 0.00293 | 0.00284 | 0.00289 |
| North Carolina | 21,536 | 24,600 | 32,851 | 24,823 | 20,370 | 21,765 | 24,208 | 23,979 | 22,786 | 0.00248 | 0.00277 | 0.00362 | 0.00268 | 0.00217 | 0.00228 | 0.00251 | 0.00246 | 0.00231 |
| North Dakota | 1,903 | 2,065 | 2,043 | 2,027 | 1,747 | 2,079 | 2,906 | 3,703 | 3,616 | 0.00300 | 0.00324 | 0.00320 | 0.00316 | 0.00270 | 0.00308 | 0.00424 | 0.00528 | 0.00500 |
| Ohio | 23,264 | 22,121 | 23,091 | 21,062 | 17,638 | 18,366 | 21,365 | 21,000 | 20,407 | 0.00203 | 0.00192 | 0.00200 | 0.00183 | 0.00153 | 0.00159 | 0.00185 | 0.00182 | 0.00176 |
| Oklahoma | 9,025 | 10,215 | 9,594 | 9,011 | 8,411 | 8,955 | 8,760 | 9,026 | 8,744 | 0.00255 | 0.00286 | 0.00266 | 0.00247 | 0.00228 | 0.00238 | 0.00231 | 0.00237 | 0.00227 |
| Oregon | 12,810 | 13,240 | 13,005 | 12,176 | 10,489 | 11,549 | 11,699 | 11,575 | 11,734 | 0.00354 | 0.00360 | 0.00348 | 0.00322 | 0.00274 | 0.00301 | 0.00302 | 0.00297 | 0.00299 |
| Pennsylvania | 32,141 | 33,079 | 28,332 | 28,956 | 26,281 | 27,174 | 26,357 | 33,574 | 29,385 | 0.00259 | 0.00265 | 0.00226 | 0.00230 | 0.00209 | 0.00214 | 0.00207 | 0.00263 | 0.00230 |
| Rhode Island | 3,674 | 3,410 | 3,361 | 3,184 | 2,768 | 3,031 | 3,201 | 3,386 | 3,751 | 0.00345 | 0.00322 | 0.00319 | 0.00302 | 0.00263 | 0.00288 | 0.00305 | 0.00322 | 0.00357 |
| South Carolina | 10,972 | 12,607 | 12,156 | 11,068 | 9,087 | 9,178 | 10,109 | 9,714 | 10,179 | 0.00258 | 0.00291 | 0.00275 | 0.00246 | 0.00199 | 0.00198 | 0.00216 | 0.00206 | 0.00213 |
| South Dakota | 2,442 | 2,451 | 2,234 | 2,328 | 2,126 | 2,213 | 2,319 | 2,294 | 2,394 | 0.00313 | 0.00311 | 0.00280 | 0.00289 | 0.00262 | 0.00271 | 0.00282 | 0.00275 | 0.00283 |
| Tennessee | 13,946 | 14,086 | 14,101 | 13,507 | 10,984 | 11,770 | 12,143 | 12,747 | 12,256 | 0.00233 | 0.00231 | 0.00228 | 0.00216 | 0.00174 | 0.00185 | 0.00190 | 0.00197 | 0.00189 |
| Texas | 54,747 | 57,856 | 56,419 | 57,223 | 50,346 | 51,660 | 55,782 | 57,168 | 63,440 | 0.00240 | 0.00248 | 0.00237 | 0.00235 | 0.00203 | 0.00205 | 0.00218 | 0.00219 | 0.00240 |
| Utah | 11,163 | 11,947 | 11,776 | 10,151 | 8,663 | 8,599 | 9,359 | 9,595 | 10,885 | 0.00447 | 0.00462 | 0.00442 | 0.00372 | 0.00311 | 0.00310 | 0.00332 | 0.00336 | 0.00375 |
| Vermont | 1,769 | 1,895 | 1,927 | 1,903 | 1,689 | 1,714 | 1,829 | 1,888 | 1,773 | 0.00286 | 0.00306 | 0.00311 | 0.00306 | 0.00272 | 0.00274 | 0.00292 | 0.00302 | 0.00283 |
| Virginia | 22,357 | 22,123 | 25,410 | 23,788 | 22,011 | 22,218 | 23,350 | 24,883 | 19,911 | 0.00296 | 0.00289 | 0.00329 | 0.00305 | 0.00279 | 0.00277 | 0.00288 | 0.00304 | 0.00241 |
| Washington | 18,183 | 18,632 | 18,421 | 18,377 | 15,080 | 15,162 | 16,340 | 16,712 | 18,365 | 0.00290 | 0.00292 | 0.00285 | 0.00280 | 0.00226 | 0.00225 | 0.00240 | 0.00242 | 0.00263 |
| West Virginia | 4,036 | 4,007 | 3,724 | 3,535 | 3,202 | 3,276 | 3,604 | 3,571 | 3,182 | 0.00224 | 0.00222 | 0.00206 | 0.00195 | 0.00176 | 0.00177 | 0.00194 | 0.00192 | 0.00172 |
| Wisconsin | 11,706 | 12,321 | 10,992 | 10,986 | 9,056 | 9,678 | 10,874 | 12,542 | 13,024 | 0.00211 | 0.00221 | 0.00196 | 0.00195 | 0.00160 | 0.00170 | 0.00190 | 0.00219 | 0.00227 |
| Wyoming | 2,406 | 2,617 | 2,591 | 2,521 | 2,055 | 2,231 | 2,212 | 2,219 | 2,299 | 0.00475 | 0.00510 | 0.00495 | 0.00473 | 0.00378 | 0.00395 | 0.00390 | 0.00385 | 0.00395 |

Sources: U.S. Departments of Labor and Commerce

| Table A. 4 <br> Patents and Patents Per Thousand Persons 2005-2013 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Patents |  |  |  |  |  |  |  |  |  | Patents Per Thousand Persons |  |  |  |  |  |  |  |  |
| State | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| Alabama | 359 | 429 | 358 | 354 | 377 | 538 | 416 | 478 | 572 | 0.0790 | 0.0933 | 0.0772 | 0.0757 | 0.0801 | 0.1124 | 0.0866 | 0.0992 | 0.1183 |
| Alaska | 36 | 45 | 24 | 28 | 55 | 33 | 32 | 46 | 54 | 0.0538 | 0.0664 | 0.0352 | 0.0407 | 0.0787 | 0.0462 | 0.0442 | 0.0630 | 0.0735 |
| Arizona | 1,598 | 1,893 | 1,826 | 1,892 | 1,759 | 2,169 | 2,248 | 2,370 | 2,427 | 0.2675 | 0.3057 | 0.2870 | 0.2911 | 0.2667 | 0.3384 | 0.3475 | 0.3618 | 0.3662 |
| Arkansas | 153 | 185 | 169 | 152 | 154 | 216 | 188 | 238 | 229 | 0.0551 | 0.0657 | 0.0595 | 0.0530 | 0.0533 | 0.0739 | 0.0640 | 0.0807 | 0.0774 |
| California | 19,656 | 25,039 | 22,594 | 22,200 | 23,354 | 30,076 | 30,748 | 34,659 | 39,139 | 0.5491 | 0.6959 | 0.6237 | 0.6069 | 0.6318 | 0.8056 | 0.8163 | 0.9121 | 1.0210 |
| Colorado | 1,972 | 2,349 | 1,983 | 1,868 | 1,968 | 2,435 | 2,397 | 2,744 | 3,176 | 0.4231 | 0.4942 | 0.4095 | 0.3785 | 0.3917 | 0.4824 | 0.4683 | 0.5288 | 0.6028 |
| Connecticut | 1,677 | 1,857 | 1,611 | 1,595 | 1,661 | 2,111 | 2,121 | 2,297 | 2,375 | 0.4823 | 0.5328 | 0.4618 | 0.4553 | 0.4721 | 0.5898 | 0.5910 | 0.6395 | 0.6604 |
| Delaware | 341 | 396 | 359 | 353 | 342 | 391 | 457 | 485 | 476 | 0.4060 | 0.4642 | 0.4151 | 0.4029 | 0.3864 | 0.4346 | 0.5033 | 0.5289 | 0.5142 |
| Florida | 2,707 | 3,261 | 3,092 | 2,808 | 2,899 | 3,723 | 3,841 | 4,453 | 4,761 | 0.1522 | 0.1803 | 0.1692 | 0.1524 | 0.1564 | 0.1975 | 0.2013 | 0.2305 | 0.2435 |
| Georgia | 1,358 | 1,719 | 1,580 | 1,585 | 1,666 | 2,194 | 2,206 | 2,501 | 2,861 | 0.1493 | 0.1842 | 0.1657 | 0.1634 | 0.1695 | 0.2259 | 0.2249 | 0.2522 | 0.2863 |
| Hawaii | 58 | 101 | 82 | 101 | 96 | 144 | 128 | 131 | 146 | 0.0458 | 0.0792 | 0.0642 | 0.0784 | 0.0741 | 0.1056 | 0.0930 | 0.0942 | 0.1040 |
| Idaho | 1,549 | 1,717 | 1,388 | 1,207 | 985 | 1,162 | 1,089 | 979 | 1,029 | 1.0864 | 1.1725 | 0.9258 | 0.7902 | 0.6372 | 0.7398 | 0.6875 | 0.6136 | 0.6383 |
| Illinois | 3,297 | 4,053 | 3,711 | 3,580 | 3,615 | 4,374 | 4,594 | 5,078 | 5,357 | 0.2601 | 0.3187 | 0.2904 | 0.2788 | 0.2800 | 0.3407 | 0.3573 | 0.3946 | 0.4158 |
| Indiana | 1,246 | 1,499 | 1,381 | 1,195 | 1,246 | 1,697 | 1,633 | 1,963 | 2,167 | 0.1993 | 0.2379 | 0.2176 | 0.1871 | 0.1940 | 0.2615 | 0.2506 | 0.3003 | 0.3298 |
| Iowa | 629 | 732 | 664 | 644 | 730 | 809 | 856 | 914 | 996 | 0.2133 | 0.2469 | 0.2229 | 0.2151 | 0.2427 | 0.2652 | 0.2794 | 0.2972 | 0.3223 |
| Kansas | 455 | 581 | 523 | 543 | 509 | 728 | 805 | 1,100 | 1,088 | 0.1660 | 0.2108 | 0.1884 | 0.1941 | 0.1806 | 0.2546 | 0.2805 | 0.3812 | 0.3760 |
| Kentucky | 377 | 471 | 505 | 469 | 457 | 601 | 551 | 620 | 625 | 0.0901 | 0.1116 | 0.1186 | 0.1094 | 0.1059 | 0.1382 | 0.1262 | 0.1416 | 0.1422 |
| Louisiana | 298 | 365 | 294 | 322 | 315 | 355 | 368 | 445 | 439 | 0.0663 | 0.0861 | 0.0672 | 0.0723 | 0.0701 | 0.0781 | 0.0804 | 0.0967 | 0.0949 |
| Maine | 159 | 156 | 126 | 136 | 130 | 220 | 202 | 222 | 243 | 0.1212 | 0.1186 | 0.0956 | 0.1031 | 0.0986 | 0.1657 | 0.1521 | 0.1671 | 0.1829 |
| Maryland | 1,283 | 1,556 | 1,408 | 1,427 | 1,445 | 1,731 | 1,638 | 1,715 | 1,889 | 0.2298 | 0.2773 | 0.2499 | 0.2522 | 0.2535 | 0.2991 | 0.2805 | 0.2914 | 0.3186 |
| Massachusetts | 3,301 | 4,368 | 3,835 | 3,896 | 4,038 | 5,260 | 5,526 | 6,119 | 6,765 | 0.5115 | 0.6755 | 0.5901 | 0.5954 | 0.6124 | 0.8014 | 0.8365 | 0.9208 | 1.0108 |
| Michigan | 3,664 | 4,178 | 3,695 | 3,583 | 3,516 | 4,277 | 4,397 | 4,997 | 5,640 | 0.3631 | 0.4144 | 0.3676 | 0.3582 | 0.3527 | 0.4331 | 0.4453 | 0.5056 | 0.5699 |
| Minnesota | 2,582 | 3,268 | 2,920 | 2,869 | 2,972 | 4,005 | 4,227 | 4,278 | 4,789 | 0.5056 | 0.6348 | 0.5625 | 0.5485 | 0.5644 | 0.7542 | 0.7905 | 0.7952 | 0.8835 |
| Mississippi | 127 | 152 | 184 | 142 | 144 | 172 | 172 | 161 | 178 | 0.0438 | 0.0525 | 0.0630 | 0.0483 | 0.0488 | 0.0579 | 0.0578 | 0.0539 | 0.0595 |
| Missouri | 732 | 863 | 861 | 786 | 877 | 1,140 | 1,003 | 1,165 | 1,301 | 0.1261 | 0.1472 | 0.1457 | 0.1320 | 0.1465 | 0.1901 | 0.1669 | 0.1934 | 0.2152 |


| Table A. 4 (Continued) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Patents and Patents Per Thousand Persons 2005-2013 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Patents |  |  |  |  |  |  |  |  |  | Patents Per Thousand Persons |  |  |  |  |  |  |  |  |
| State | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| Montana | 119 | 136 | 131 | 115 | 91 | 118 | 114 | 133 | 127 | 0.1273 | 0.1437 | 0.1369 | 0.1188 | 0.0933 | 0.1191 | 0.1143 | 0.1323 | 0.1251 |
| Nebraska | 205 | 239 | 254 | 214 | 226 | 253 | 247 | 336 | 341 | 0.1170 | 0.1358 | 0.1435 | 0.1201 | 0.1258 | 0.1383 | 0.1341 | 0.1811 | 0.1825 |
| Nevada | 443 | 472 | 468 | 464 | 426 | 639 | 674 | 882 | 1,003 | 0.1839 | 0.1893 | 0.1823 | 0.1774 | 0.1612 | 0.2364 | 0.2480 | 0.3202 | 0.3595 |
| New Hampshire | 538 | 657 | 618 | 526 | 608 | 802 | 805 | 791 | 895 | 0.4134 | 0.5008 | 0.4691 | 0.3979 | 0.4590 | 0.6091 | 0.6107 | 0.5985 | 0.6763 |
| New Jersey | 2,868 | 3,627 | 3,152 | 3,247 | 3,259 | 4,345 | 4,277 | 4,656 | 5,257 | 0.3326 | 0.4206 | 0.3650 | 0.3748 | 0.3743 | 0.4936 | 0.4840 | 0.5250 | 0.5907 |
| New Mexico | 272 | 354 | 304 | 295 | 329 | 455 | 412 | 444 | 471 | 0.1419 | 0.1822 | 0.1544 | 0.1485 | 0.1637 | 0.2203 | 0.1983 | 0.2131 | 0.2259 |
| New York | 5,306 | 6,406 | 6,025 | 5,905 | 6,127 | 8,095 | 7,842 | 8,557 | 9,363 | 0.2745 | 0.3309 | 0.3102 | 0.3033 | 0.3135 | 0.4173 | 0.4021 | 0.4371 | 0.4765 |
| North Carolina | 1,839 | 2,232 | 2,007 | 2,157 | 2,298 | 2,922 | 2,884 | 3,252 | 3,451 | 0.2121 | 0.2517 | 0.2214 | 0.2333 | 0.2450 | 0.3057 | 0.2988 | 0.3336 | 0.3504 |
| North Dakota | 81 | 77 | 92 | 72 | 92 | 112 | 95 | 98 | 131 | 0.1275 | 0.1209 | 0.1442 | 0.1123 | 0.1422 | 0.1661 | 0.1387 | 0.1397 | 0.1811 |
| Ohio | 2,727 | 3,291 | 3,058 | 3,153 | 3,023 | 3,983 | 3,903 | 4,110 | 4,298 | 0.2376 | 0.2864 | 0.2654 | 0.2735 | 0.2619 | 0.3450 | 0.3379 | 0.3558 | 0.3715 |
| Oklahoma | 429 | 584 | 526 | 474 | 446 | 582 | 529 | 521 | 604 | 0.1214 | 0.1634 | 0.1456 | 0.1301 | 0.1210 | 0.1548 | 0.1397 | 0.1365 | 0.1569 |
| Oregon | 1,849 | 2,536 | 2,282 | 2,173 | 2,014 | 2,340 | 2,371 | 2,462 | 2,662 | 0.5111 | 0.6896 | 0.6113 | 0.5744 | 0.5264 | 0.6098 | 0.6130 | 0.6313 | 0.6773 |
| Pennsylvania | 2,546 | 3,186 | 2,986 | 2,850 | 3,066 | 3,887 | 3,652 | 3,894 | 4,358 | 0.2050 | 0.2555 | 0.2385 | 0.2268 | 0.2432 | 0.3058 | 0.2866 | 0.3051 | 0.3412 |
| Rhode Island | 312 | 354 | 380 | 303 | 305 | 354 | 351 | 415 | 410 | 0.2930 | 0.3339 | 0.3602 | 0.2876 | 0.2896 | 0.3363 | 0.3342 | 0.3951 | 0.3899 |
| South Carolina | 539 | 691 | 542 | 524 | 579 | 651 | 793 | 978 | 971 | 0.1266 | 0.1592 | 0.1225 | 0.1164 | 0.1269 | 0.1404 | 0.1697 | 0.2071 | 0.2034 |
| South Dakota | 68 | 79 | 66 | 60 | 56 | 82 | 106 | 129 | 136 | 0.0872 | 0.1002 | 0.0828 | 0.0746 | 0.0689 | 0.1005 | 0.1287 | 0.1547 | 0.1610 |
| Tennessee | 712 | 817 | 793 | 798 | 785 | 1,037 | 1,080 | 1,065 | 1,110 | 0.1188 | 0.1342 | 0.1285 | 0.1279 | 0.1247 | 0.1631 | 0.1688 | 0.1650 | 0.1709 |
| Texas | 5,524 | 6,716 | 6,228 | 6,184 | 6,436 | 8,026 | 8,044 | 8,929 | 9,820 | 0.2423 | 0.2874 | 0.2613 | 0.2544 | 0.2597 | 0.3179 | 0.3137 | 0.3426 | 0.3713 |
| Utah | 644 | 800 | 766 | 727 | 855 | 1,145 | 1,215 | 1,327 | 1,414 | 0.2576 | 0.3096 | 0.2876 | 0.2666 | 0.3070 | 0.4127 | 0.4316 | 0.4648 | 0.4874 |
| Vermont | 411 | 486 | 546 | 514 | 500 | 668 | 536 | 506 | 551 | 0.6642 | 0.7839 | 0.8800 | 0.8276 | 0.8042 | 1.0674 | 0.8558 | 0.8084 | 0.8793 |
| Virginia | 1,027 | 1,231 | 1,162 | 1,180 | 1,209 | 1,724 | 1,737 | 1,813 | 2,026 | 0.1358 | 0.1610 | 0.1505 | 0.1514 | 0.1534 | 0.2148 | 0.2143 | 0.2215 | 0.2453 |
| Washington | 2,482 | 3,620 | 3,894 | 4,158 | 4,856 | 5,809 | 5,266 | 5,985 | 6,569 | 0.3964 | 0.5681 | 0.6023 | 0.6333 | 0.7287 | 0.8616 | 0.7720 | 0.8680 | 0.9423 |
| West Virginia | 98 | 111 | 116 | 91 | 102 | 134 | 109 | 142 | 153 | 0.0543 | 0.0614 | 0.0640 | 0.0501 | 0.0561 | 0.0723 | 0.0588 | 0.0765 | 0.0825 |
| Wisconsin | 1,756 | 2,150 | 1,927 | 1,921 | 1,887 | 2,232 | 2,154 | 2,289 | 2,502 | 0.3169 | 0.3859 | 0.3440 | 0.3414 | 0.3337 | 0.3923 | 0.3773 | 0.3999 | 0.4357 |
| Wyoming | 55 | 56 | 62 | 41 | 64 | 89 | 74 | 125 | 134 | 0.1086 | 0.1092 | 0.1185 | 0.0769 | 0.1176 | 0.1577 | 0.1304 | 0.2168 | 0.2300 |

Source: U.S. Patent and Trademark Office

| Table A. 5 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Income Per Non-Farm Proprietor |  |  |  |  |  |  |  |  |  |
| State | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013* |
| Alabama | \$26,003 | \$27,775 | \$24,105 | \$23,210 | \$22,264 | \$23,503 | \$24,852 | \$25,794 | \$27,310 |
| Alaska | \$26,470 | \$28,261 | \$25,419 | \$26,844 | \$28,204 | \$31,631 | \$33,637 | \$35,265 | \$37,822 |
| Arizona | \$26,113 | \$28,791 | \$24,315 | \$22,309 | \$20,179 | \$20,717 | \$21,679 | \$22,726 | \$24,195 |
| Arkansas | \$23,605 | \$24,880 | \$21,989 | \$21,959 | \$19,874 | \$20,759 | \$21,587 | \$22,365 | \$23,455 |
| California | \$32,696 | \$33,012 | \$27,901 | \$27,424 | \$25,853 | \$25,997 | \$26,636 | \$27,230 | \$28,910 |
| Colorado | \$29,370 | \$31,165 | \$26,044 | \$28,947 | \$25,542 | \$26,815 | \$28,158 | \$28,953 | \$30,868 |
| Connecticut | \$38,446 | \$40,676 | \$35,131 | \$33,365 | \$36,008 | \$37,857 | \$37,880 | \$38,832 | \$41,557 |
| Delaware | \$35,446 | \$36,148 | \$30,216 | \$32,914 | \$35,050 | \$35,682 | \$34,903 | \$34,430 | \$36,735 |
| Florida | \$22,477 | \$23,904 | \$19,762 | \$17,806 | \$16,269 | \$16,566 | \$16,541 | \$17,139 | \$18,262 |
| Georgia | \$27,023 | \$27,780 | \$24,577 | \$24,837 | \$21,448 | \$19,791 | \$19,737 | \$20,564 | \$21,955 |
| Hawaii | \$22,218 | \$23,387 | \$19,681 | \$19,956 | \$20,915 | \$21,798 | \$22,564 | \$23,442 | \$25,010 |
| Idaho | \$25,037 | \$26,037 | \$22,037 | \$18,964 | \$22,021 | \$22,996 | \$21,960 | \$22,661 | \$24,331 |
| Illinois | \$29,724 | \$31,024 | \$26,900 | \$27,415 | \$25,446 | \$26,074 | \$26,634 | \$27,397 | \$29,085 |
| Indiana | \$26,089 | \$27,330 | \$23,763 | \$23,793 | \$22,677 | \$23,859 | \$26,322 | \$27,804 | \$29,128 |
| lowa | \$26,012 | \$28,415 | \$27,913 | \$32,815 | \$30,330 | \$30,591 | \$33,347 | \$35,216 | \$37,120 |
| Kansas | \$26,887 | \$29,771 | \$25,337 | \$28,714 | \$25,777 | \$27,024 | \$32,037 | \$33,748 | \$35,408 |
| Kentucky | \$26,059 | \$26,812 | \$23,279 | \$24,312 | \$22,167 | \$23,237 | \$24,646 | \$25,910 | \$27,451 |
| Louisiana | \$30,005 | \$31,340 | \$28,967 | \$33,591 | \$28,142 | \$29,792 | \$32,917 | \$33,899 | \$36,039 |
| Maine | \$19,620 | \$20,496 | \$18,188 | \$17,576 | \$19,178 | \$19,952 | \$20,632 | \$21,782 | \$23,298 |
| Maryland | \$27,602 | \$29,341 | \$25,982 | \$28,019 | \$27,661 | \$28,903 | \$30,095 | \$30,528 | \$32,470 |
| Massachusetts | \$32,743 | \$33,733 | \$29,291 | \$28,316 | \$31,175 | \$33,427 | \$33,620 | \$34,646 | \$37,137 |
| Michigan | \$23,651 | \$24,311 | \$21,096 | \$20,427 | \$19,030 | \$20,390 | \$20,314 | \$21,081 | \$22,351 |
| Minnesota | \$23,905 | \$25,239 | \$22,701 | \$22,717 | \$21,998 | \$23,507 | \$25,415 | \$26,470 | \$28,183 |
| Mississippi | \$24,772 | \$26,766 | \$22,793 | \$23,640 | \$22,261 | \$23,248 | \$24,436 | \$25,579 | \$27,718 |
| Missouri | \$25,385 | \$26,912 | \$24,281 | \$24,887 | \$25,193 | \$25,770 | \$26,235 | \$27,058 | \$28,673 |


| Table A. 5 (Continued) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Income Per Non-Farm Proprietor |  |  |  |  |  |  |  |  |  |
| State | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013* |
| Montana | \$20,925 | \$22,348 | \$19,491 | \$20,055 | \$18,993 | \$19,629 | \$21,188 | \$22,402 | \$23,951 |
| Nebraska | \$25,643 | \$27,611 | \$24,570 | \$26,391 | \$26,257 | \$29,390 | \$33,374 | \$34,288 | \$36,374 |
| Nevada | \$31,190 | \$33,199 | \$30,301 | \$24,516 | \$20,389 | \$22,146 | \$20,383 | \$21,016 | \$22,569 |
| New Hampshire | \$28,389 | \$30,182 | \$26,110 | \$24,989 | \$25,783 | \$27,884 | \$28,610 | \$29,891 | \$32,136 |
| New Jersey | \$34,459 | \$36,750 | \$32,952 | \$33,463 | \$33,608 | \$34,589 | \$34,771 | \$36,153 | \$38,483 |
| New Mexico | \$22,105 | \$23,211 | \$19,436 | \$20,671 | \$17,998 | \$18,995 | \$20,916 | \$21,972 | \$23,222 |
| New York | \$35,897 | \$37,497 | \$34,452 | \$33,372 | \$37,567 | \$40,024 | \$38,769 | \$39,265 | \$41,641 |
| North Carolina | \$22,609 | \$24,080 | \$20,475 | \$20,910 | \$22,090 | \$24,709 | \$21,780 | \$22,359 | \$23,815 |
| North Dakota | \$23,169 | \$26,212 | \$22,915 | \$23,413 | \$22,258 | \$24,693 | \$27,954 | \$29,698 | \$32,016 |
| Ohio | \$24,642 | \$25,814 | \$22,802 | \$23,295 | \$23,131 | \$24,909 | \$27,551 | \$29,023 | \$30,744 |
| Oklahoma | \$40,607 | \$43,266 | \$35,265 | \$46,411 | \$30,575 | \$34,762 | \$43,837 | \$44,892 | \$47,614 |
| Oregon | \$24,235 | \$25,603 | \$22,451 | \$22,007 | \$21,072 | \$21,458 | \$21,922 | \$22,814 | \$24,359 |
| Pennsylvania | \$36,396 | \$37,430 | \$32,787 | \$34,726 | \$33,460 | \$34,526 | \$36,156 | \$36,586 | \$38,592 |
| Rhode Island | \$29,584 | \$30,473 | \$26,696 | \$25,654 | \$26,505 | \$29,153 | \$29,766 | \$30,181 | \$32,088 |
| South Carolina | \$21,174 | \$22,137 | \$19,363 | \$20,026 | \$21,986 | \$22,119 | \$19,813 | \$20,489 | \$21,850 |
| South Dakota | \$28,655 | \$28,874 | \$25,408 | \$26,441 | \$27,555 | \$31,463 | \$30,888 | \$32,614 | \$34,588 |
| Tennessee | \$36,083 | \$37,242 | \$32,380 | \$32,601 | \$34,622 | \$35,374 | \$37,075 | \$39,163 | \$41,153 |
| Texas | \$40,566 | \$43,883 | \$37,522 | \$44,904 | \$33,668 | \$37,281 | \$44,073 | \$45,767 | \$48,483 |
| Utah | \$21,793 | \$25,061 | \$22,631 | \$21,578 | \$19,711 | \$20,644 | \$20,230 | \$21,225 | \$22,632 |
| Vermont | \$20,166 | \$21,029 | \$17,915 | \$17,272 | \$17,917 | \$19,476 | \$20,800 | \$21,994 | \$23,588 |
| Virginia | \$26,648 | \$27,798 | \$24,192 | \$23,662 | \$21,767 | \$24,091 | \$26,352 | \$27,976 | \$29,711 |
| Washington | \$30,969 | \$31,870 | \$27,688 | \$26,809 | \$24,837 | \$26,381 | \$28,053 | \$29,399 | \$31,500 |
| West Virginia | \$27,715 | \$29,481 | \$24,981 | \$27,462 | \$24,335 | \$25,949 | \$30,742 | \$32,054 | \$33,441 |
| Wisconsin | \$24,912 | \$26,390 | \$23,594 | \$24,337 | \$25,345 | \$24,578 | \$24,506 | \$25,907 | \$27,666 |
| Wyoming | \$26,126 | \$28,536 | \$23,684 | \$29,596 | \$26,293 | \$29,364 | \$34,112 | \$35,391 | \$37,249 |
| Source: U.S. Bureau of Economic Analysis |  |  |  |  |  |  |  |  |  |


| Table A. 6 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| State Entrepreneurship Index Rank 2005-2013 |  |  |  |  |  |  |  |  |  |
| State | $\begin{aligned} & 2005 \\ & \text { Rank } \end{aligned}$ | $\begin{aligned} & 2006 \\ & \text { Rank } \end{aligned}$ | $\begin{aligned} & 2007 \\ & \text { Rank } \end{aligned}$ | $\begin{aligned} & 2008 \\ & \text { Rank } \end{aligned}$ | $\begin{aligned} & 2009 \\ & \text { Rank } \end{aligned}$ | $\begin{aligned} & 2010 \\ & \text { Rank } \end{aligned}$ | $\begin{aligned} & 2011 \\ & \text { Rank } \end{aligned}$ | $\begin{aligned} & 2012 \\ & \text { Rank } \end{aligned}$ | $\begin{aligned} & 2013 \\ & \text { Rank } \end{aligned}$ |
| Alabama | 32 | 49 | 31 | 41 | 47 | 45 | 41 | 47 | 46 |
| Alaska | 37 | 41 | 40 | 27 | 24 | 15 | 24 | 14 | 36 |
| Arizona | 15 | 2 | 4 | 26 | 49 | 50 | 40 | 27 | 45 |
| Arkansas | 35 | 36 | 43 | 31 | 33 | 42 | 34 | 41 | 39 |
| California | 17 | 10 | 12 | 11 | 14 | 16 | 16 | 11 | 2 |
| Colorado | 5 | 6 | 5 | 18 | 16 | 26 | 30 | 13 | 10 |
| Connecticut | 14 | 17 | 13 | 15 | 3 | 11 | 17 | 9 | 6 |
| Delaware | 2 | 21 | 9 | 28 | 34 | 17 | 32 | 43 | 24 |
| Florida | 4 | 7 | 8 | 3 | 45 | 29 | 37 | 17 | 19 |
| Georgia | 27 | 28 | 22 | 16 | 40 | 39 | 42 | 34 | 29 |
| Hawaii | 49 | 43 | 30 | 35 | 28 | 41 | 48 | 46 | 41 |
| Idaho | 1 | 1 | 1 | 5 | 12 | 24 | 35 | 42 | 28 |
| Illinois | 21 | 20 | 23 | 17 | 4 | 10 | 7 | 19 | 25 |
| Indiana | 45 | 44 | 38 | 37 | 35 | 38 | 29 | 33 | 47 |
| lowa | 44 | 39 | 35 | 36 | 15 | 28 | 39 | 10 | 11 |
| Kansas | 36 | 33 | 44 | 21 | 6 | 21 | 5 | 45 | 37 |
| Kentucky | 48 | 34 | 29 | 49 | 50 | 27 | 47 | 49 | 4 |
| Louisiana | 26 | 9 | 47 | 25 | 8 | 3 | 49 | 37 | 30 |
| Maine | 41 | 46 | 34 | 30 | 25 | 44 | 22 | 35 | 44 |
| Maryland | 16 | 26 | 21 | 32 | 29 | 22 | 14 | 31 | 14 |
| Massachusetts | 7 | 50 | 25 | 22 | 10 | 2 | 2 | 21 | 32 |
| Michigan | 38 | 45 | 41 | 45 | 38 | 46 | 50 | 50 | 50 |
| Minnesota | 22 | 11 | 37 | 23 | 26 | 25 | 9 | 12 | 13 |
| Mississippi | 39 | 40 | 42 | 40 | 37 | 47 | 44 | 48 | 34 |
| Missouri | 42 | 42 | 39 | 47 | 41 | 36 | 43 | 39 | 35 |
| Montana | 50 | 23 | 14 | 9 | 23 | 32 | 33 | 26 | 20 |
| Nebraska | 33 | 30 | 33 | 24 | 17 | 20 | 19 | 16 | 18 |
| Nevada | 6 | 3 | 2 | 4 | 32 | 48 | 46 | 29 | 23 |
| New Hampshire | 24 | 12 | 19 | 12 | 7 | 8 | 8 | 2 | 5 |
| New Jersey | 8 | 16 | 26 | 14 | 21 | 4 | 10 | 40 | 15 |
| New Mexico | 47 | 29 | 32 | 39 | 43 | 30 | 26 | 38 | 48 |
| New York | 18 | 19 | 18 | 7 | 1 | 1 | 3 | 3 | 3 |
| North Carolina | 40 | 27 | 17 | 20 | 39 | 34 | 27 | 28 | 49 |
| North Dakota | 30 | 35 | 48 | 10 | 13 | 7 | 1 | 1 | 1 |
| Ohio | 46 | 48 | 45 | 42 | 42 | 40 | 23 | 36 | 42 |
| Oklahoma | 10 | 15 | 10 | 2 | 18 | 5 | 12 | 6 | 21 |
| Oregon | 13 | 5 | 6 | 46 | 31 | 13 | 11 | 15 | 9 |
| Pennsylvania | 29 | 37 | 27 | 29 | 20 | 18 | 15 | 7 | 38 |
| Rhode Island | 12 | 24 | 28 | 44 | 22 | 19 | 18 | 18 | 16 |
| South Carolina | 11 | 13 | 50 | 50 | 48 | 49 | 45 | 44 | 17 |
| South Dakota | 28 | 31 | 36 | 33 | 11 | 12 | 20 | 25 | 31 |
| Tennessee | 31 | 22 | 16 | 13 | 30 | 33 | 38 | 23 | 26 |
| Texas | 19 | 18 | 3 | 19 | 19 | 9 | 4 | 4 | 7 |
| Utah | 3 | 4 | 24 | 38 | 36 | 43 | 25 | 20 | 8 |
| Vermont | 25 | 25 | 20 | 8 | 9 | 14 | 13 | 5 | 27 |
| Virginia | 23 | 32 | 11 | 43 | 27 | 31 | 28 | 22 | 43 |
| Washington | 20 | 14 | 7 | 6 | 5 | 23 | 21 | 24 | 12 |
| West Virginia | 43 | 47 | 46 | 48 | 44 | 35 | 36 | 30 | 40 |
| Wisconsin | 34 | 38 | 49 | 34 | 46 | 37 | 31 | 32 | 33 |
| Wyoming | 9 | 8 | 15 | 1 | 2 | 6 | 6 | 8 | 22 |
| Sources: U.S. Dep | tments | bor, Co | re and | t Office |  |  |  |  |  |

## Our Thanks ...

The Bureau of Business Research is grateful to The Jim and Penny Krieger Family Foundation for sponsoring the original research allowing us to develop the State Entrepreneurship Index.

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[^0]:    Sources: U.S. Departments of Labor and Commerce

