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## STATE ENTREPRENEURSHIP INDEX

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**U**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 the same methodology to and calculate the value of the state entrepreneurship index for 2010 and 2011.

The index is composed of 5 components that consider 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 present from 2005 through 2011. The analysis focused on the two most recent years, 2010 and 2011. Note that the 5 components of state entrepreneurship index are the same that have been used in previous years, with one exception. In particular, the current report utilizes income per non-farm proprietor (including sole proprietors and partners) as its measure of the size of entrepreneurial ventures in the states. In the last two index reports, gross receipts per partner or proprietor were used instead. While the gross receipts measure is preferred, the Internal Revenue Service is no longer calculating

data on gross receipts for proprietorships and partnership by state<sup>1</sup>. This implies that values for the state entrepreneurship index in this report for 2008 and 2010 may differ somewhat from values presented in earlier reports. Values also may differ 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.

Table 1 illustrates component index values for all 50 states for the year 2011. The Table also shows the overall index value. 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 all establishments that participate in their state unemployment insurance program. Data on the population of states, which is used in all person measures, is from the U.S. Census based on estimated population on July 1, 2011. 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.

Table 1 shows the ranking for all 50 states both for the state entrepreneurship index overall and for each of the 5 index components. The highest ranked states in the 2011 State Entrepreneurship Index are concentrated in the northern parts of the country. The five highest ranked states are Massachusetts, North Dakota, California, New York, and Minnesota. We note that Oregon, New Jersey, New Hampshire, and Illinois are also among the Top 10.

The highest 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. Massachusetts was a highly ranked state in 4 of the 5 components, including both measures of establishment growth, patent activity, and income per proprietor. A similar pattern was observed in California, the third ranked state. The fourth ranked state New York was above the median state for all 5 of the index components. Minnesota had both a strong business formation rate and high levels of patent activity per capita. North Dakota was the second ranked state primarily due to high rates of business formation and establishment growth. Texas, the only southern state in the top 10 (at a rank of 8) had both strong establishment growth and a very high value for income per non-farm proprietor.

Michigan was among the 5 lowest ranked states in the 2011 State Entrepreneurship Index, along with Louisiana, South Carolina, Mississippi and Kentucky. These lowest ranked states had a below median value (index value less than 1.0) for at least 4 of the 5 index components. South Carolina, Mississippi and Kentucky were below the median for all 5 measures. Michigan and Louisiana had sharp declines in the number of establishments. However, Louisiana had an above-median value for income per non-farm proprietor while Michigan had an above-median value for patents per thousand persons.

States near the middle of the ranking in some cases had near-median values for most measure. For example, Nebraska values for establishment growth, growth in establishments per person, establishment births per person, and income per non-farm proprietor were slightly above the median value, while patents per thousand residents was well below the median value. Nebraska had an overall entrepreneurship index value of 0.988 and a rank of 32. In other cases, states near the median overall rank had a mix of both high and low component values. For example, Maine had well above the median values for the business formation rate and establishment growth per person, but well below median values for patent activity and income per non-farm proprietor. Maine as a result had an overall state entrepreneurship index rank of 29.

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<sup>1</sup> The more detailed explanation can be found the 2008 BBR report "Entrepreneurship in Nebraska", March 2010.

**Table 1**  
**2011 State Entrepreneurship Index Rank and Index Values for Each Subcomponent Index**

<b>State</b>	<b>Growth in Establishments</b>	<b>Growth in Establishments Per Capita</b>	<b>Business Formation Rate</b>	<b>Patents Per Thousand Residents</b>	<b>Average Proprietor Income</b>	<b>Average Index Value</b>	<b>Rank</b>
Alabama	0.534	0.848	-0.087	0.158	0.275	0.346	<b>44</b>
Alaska	1.101	0.809	1.140	-0.026	2.039	1.013	<b>28</b>
Arizona	0.524	0.323	0.779	1.291	0.867	0.757	<b>39</b>
Arkansas	1.192	1.360	1.113	0.060	0.565	0.858	<b>33</b>
California	2.866	2.741	0.879	3.332	2.121	2.388	<b>3</b>
Colorado	-0.201	-0.598	2.698	1.821	1.581	1.060	<b>24</b>
Connecticut	0.395	0.866	0.341	2.360	3.215	1.435	<b>12</b>
Delaware	0.008	0.000	1.955	1.974	1.525	1.093	<b>21</b>
Florida	0.564	0.305	3.001	0.659	-0.267	0.852	<b>35</b>
Georgia	0.343	0.158	1.290	0.760	0.254	0.561	<b>41</b>
Hawaii	0.391	0.363	0.330	0.187	0.424	0.339	<b>45</b>
Idaho	-0.546	-0.598	2.138	2.772	0.409	0.835	<b>36</b>
Illinois	2.007	2.428	0.839	1.335	1.320	1.586	<b>9</b>
Indiana	1.057	1.339	0.315	0.872	0.190	0.755	<b>40</b>
Iowa	-0.015	0.275	0.289	0.998	0.891	0.488	<b>42</b>
Kansas	1.577	1.844	1.068	1.002	1.067	1.312	<b>15</b>
Kentucky	0.597	0.805	-0.157	0.330	-0.065	0.302	<b>46</b>
Louisiana	-0.933	-0.818	0.388	0.132	1.360	0.026	<b>50</b>
Maine	1.069	1.602	1.674	0.443	0.267	1.011	<b>29</b>
Maryland	1.542	1.581	1.057	1.005	1.111	1.259	<b>17</b>
Massachusetts	4.028	4.238	0.874	3.433	2.483	3.011	<b>1</b>
Michigan	-1.150	-0.569	0.186	1.719	0.293	0.096	<b>49</b>
Minnesota	1.651	1.756	1.525	3.224	0.788	1.789	<b>5</b>
Mississippi	0.286	0.657	-0.174	0.033	0.664	0.293	<b>47</b>
Missouri	1.103	1.498	0.370	0.508	1.797	1.055	<b>25</b>
Montana	0.471	0.520	2.971	0.279	0.026	0.853	<b>34</b>
Nebraska	1.115	1.195	1.121	0.365	1.146	0.988	<b>32</b>
Nevada	-0.785	-0.709	1.789	0.859	0.665	0.364	<b>43</b>
New Hampshire	0.388	0.888	2.317	2.440	1.729	1.553	<b>10</b>
New Jersey	0.510	0.909	1.862	1.892	3.224	1.679	<b>7</b>
New Mexico	1.685	1.684	0.790	0.643	0.277	1.016	<b>27</b>
New York	1.723	2.036	1.829	1.535	4.030	2.230	<b>4</b>
North Carolina	1.477	1.321	0.943	1.081	0.321	1.029	<b>26</b>
North Dakota	3.695	3.243	4.067	0.386	1.183	2.515	<b>2</b>
Ohio	1.321	1.854	-0.072	1.253	1.088	1.089	<b>22</b>
Oklahoma	1.028	1.000	0.577	0.389	2.026	1.004	<b>30</b>
Oregon	2.068	2.004	1.728	2.447	0.562	1.762	<b>6</b>
Pennsylvania	1.791	2.223	0.338	1.029	2.333	1.543	<b>11</b>
Rhode Island	0.495	1.156	2.000	1.235	1.067	1.191	<b>19</b>
South Carolina	0.288	0.212	0.433	0.519	-0.508	0.189	<b>48</b>
South Dakota	1.088	1.000	1.628	0.341	0.933	0.998	<b>31</b>
Tennessee	0.331	0.387	-0.055	0.516	2.702	0.776	<b>38</b>
Texas	1.957	1.319	0.443	1.145	3.178	1.608	<b>8</b>
Utah	0.763	0.259	2.515	1.659	0.149	1.069	<b>23</b>
Vermont	0.464	0.980	1.791	3.506	-0.220	1.304	<b>16</b>
Virginia	1.407	1.324	1.737	0.715	0.588	1.154	<b>20</b>
Washington	0.972	0.616	0.912	3.137	1.272	1.382	<b>13</b>
West Virginia	1.095	1.633	0.036	0.037	1.199	0.800	<b>37</b>
Wisconsin	1.715	2.033	-0.114	1.423	0.909	1.193	<b>18</b>
Wyoming	0.916	1.029	3.242	0.348	1.281	1.363	<b>14</b>

Sources: U.S. Department of Labor and U.S. Department of Commerce and U.S. Patent and Trademark Office

## STATE RANKS 2010 AND 2011

Massachusetts was the highest ranked state in 2010 after revisions to the index data and remains in the top spot in 2011. New York also remained among the highest ranked states for a second year, falling to the 4<sup>th</sup> rank in 2011 after being ranked 3<sup>rd</sup> in 2010. North Dakota, the 2<sup>nd</sup> ranked state in 2011, moved up from the rank of 8<sup>th</sup> in 2010. California moved up from a rank of 6<sup>th</sup> in 2010 to 3<sup>rd</sup> in 2011. Minnesota moved up the most, moving from the 24<sup>th</sup> rank in 2010 to 5<sup>th</sup> in 2011. The reason for each state's move from 2010 to 2011 are evident in Tables 3 through 7, which provide 2010 and 2011 values for each of the 5 index components.

Louisiana dropped rapidly in the rankings in 2011, from 5<sup>th</sup> in 2010 to 50<sup>th</sup> in 2011. The primary reason was a sharp drop in establishment counts between the 2 years. But, outside of Louisiana there was great stability among the lowest ranked states. Michigan was a poorly ranked state in both 2010 and 2011, falling from 42<sup>nd</sup> to 49<sup>th</sup>. South Carolina was ranked 48<sup>th</sup> in 2011, a slight improvement over the rank of 50<sup>th</sup> in 2010. Mississippi was ranked 47<sup>th</sup> in both 2010 and 2011. Kentucky fell from 31<sup>st</sup> in 2010 down to 46<sup>th</sup> in 2010.

There was modest improvement for several states that had ranked poorly in 2010. Among western states, Nevada had been ranked 48<sup>th</sup> in 2010 and moved up slightly to the 43<sup>rd</sup> rank. Arizona moved from 49<sup>th</sup> to 39<sup>th</sup>. Utah rose from 44<sup>th</sup> in 2010 to 23<sup>rd</sup>. Maine had been ranked 43<sup>rd</sup> in 2010 and rose to 29<sup>th</sup> in 2011 while North Carolina rose from 38<sup>th</sup> in 2010 to 26<sup>th</sup> in 2011. Ohio moved from 40<sup>th</sup> to 22<sup>nd</sup>, while Wisconsin moved from 34<sup>th</sup> to 18<sup>th</sup>. Few states experienced a sharp drop in ranking outside of Louisiana. South Dakota fell from 18<sup>th</sup> to 31<sup>st</sup>. The State of Washington fell from 2<sup>nd</sup> in 2010 to 13<sup>th</sup> in 2011.

Many states experienced little change in ranking between 2010 and 2011. Nebraska, for example, was ranked 25<sup>th</sup> in 2010 and 32<sup>nd</sup> in 2011. As noted above, trends for the index components are discussed in detail in Tables 3 through 7.

State	2010 Rank	Index Value	2011 Rank	Index Value
Alabama	46	0.44	44	0.35
Alaska	17	1.27	28	1.01
Arizona	49	-0.01	39	0.76
Arkansas	37	0.84	33	0.86
California	6	1.77	3	2.39
Colorado	23	1.13	24	1.06
Connecticut	13	1.59	12	1.44
Delaware	27	1.08	21	1.09
Florida	30	1.06	35	0.85
Georgia	39	0.71	41	0.56
Hawaii	41	0.62	45	0.34
Idaho	26	1.11	36	0.84
Illinois	12	1.60	9	1.59
Indiana	45	0.59	40	0.75
Iowa	36	0.86	42	0.49
Kansas	22	1.13	15	1.31
Kentucky	31	1.02	46	0.30
Louisiana	5	1.84	50	0.03
Maine	43	0.61	29	1.01
Maryland	29	1.07	17	1.26
Massachusetts	1	2.46	1	3.01
Michigan	42	0.62	49	0.10
Minnesota	24	1.12	5	1.79
Mississippi	47	0.39	47	0.29
Missouri	21	1.17	25	1.05
Montana	32	0.91	34	0.85
Nebraska	25	1.11	32	0.99
Nevada	48	0.25	43	0.36
New Hampshire	7	1.68	10	1.55
New Jersey	4	2.13	7	1.68
New Mexico	28	1.08	27	1.02
New York	3	2.24	4	2.23
North Carolina	38	0.75	26	1.03
North Dakota	8	1.66	2	2.52
Ohio	40	0.68	22	1.09
Oklahoma	14	1.52	30	1.00
Oregon	10	1.62	6	1.76
Pennsylvania	15	1.39	11	1.54
Rhode Island	19	1.24	19	1.19
South Carolina	50	-0.13	48	0.19
South Dakota	18	1.25	31	1.00
Tennessee	33	0.90	38	0.78
Texas	11	1.61	8	1.61
Utah	44	0.60	23	1.07
Vermont	16	1.37	16	1.30
Virginia	20	1.20	20	1.15
Washington	2	2.38	13	1.38
West Virginia	35	0.87	37	0.80
Wisconsin	34	0.90	18	1.19
Wyoming	9	1.62	14	1.36

Sources: U.S. Departments of Labor, Commerce and Patent Office

## ESTABLISHMENT GROWTH

This section examines changes in establishment growth between 2010 and 2011. As seen in Table 3, North Dakota moved from the 5<sup>th</sup> ranked state in establishment growth in 2010 to 2<sup>nd</sup> in 2011. However, some of the largest improvements occurred in California and Minnesota. California moved up from the 21<sup>st</sup> ranked state in establishment growth in 2010 to 3<sup>rd</sup> in establishment growth in 2011. This is part of the reason that California moved from 6<sup>th</sup> to 3<sup>rd</sup> in the overall entrepreneurship index. Minnesota also moved up into the top 5 in the overall entrepreneurship index, in part because the state improved from 34<sup>th</sup> in establishment growth in 2010 to 11<sup>th</sup> in 2011.

A sharp decline in the number of establishments was a big part of the reason that Louisiana dropped to second last in the entrepreneurship index in 2011. The number of establishments grew rapidly in 2010 but then declined sharply in 2011. This pattern may have reflected a surge in businesses to address the cleanup from the 2010 oil spill in the Gulf of Mexico. Louisiana dropped rapidly in the rankings in 2011, from 1<sup>st</sup> in 2010 to 49<sup>th</sup> in 2011. Kentucky went from being a leading state in establishment growth in 2010 (4<sup>th</sup>) to a near-median state in 2011.

Among western states, Arizona improved from being the lowest ranked state in terms of establishment change in 2010 to being ranked 32<sup>nd</sup> in 2011. This mirrored the state's improvement in the overall entrepreneurship index. There was a similar improvement in Utah. Nevada, by contrast, remained among the lowest ranked states for establishment growth in 2011. The establishment growth rank improved significantly in Maine, North Carolina, Ohio, and Pennsylvania. By contrast, the State of Washington fell from being a leading state in establishment growth in 2010 to a near-median rate in 2011. Iowa's rank also dropped substantially between 2010 and 2011, though the state did not drop far in the overall entrepreneurship index. Many other states by and large maintained their rank for establishment growth in 2010 and 2011, including Nebraska.

State	2010 Rank	Index Value	2011 Rank	Index Value
Alabama	35	0.64	31	0.53
Alaska	14	1.61	20	1.10
Arizona	50	-1.37	32	0.52
Arkansas	24	1.06	17	1.19
California	21	1.33	3	2.87
Colorado	44	0.02	46	-0.20
Connecticut	30	0.86	37	0.40
Delaware	43	0.06	44	0.01
Florida	27	0.90	30	0.56
Georgia	37	0.58	40	0.34
Hawaii	31	0.80	38	0.39
Idaho	45	0.01	47	-0.55
Illinois	6	2.27	5	2.01
Indiana	28	0.88	24	1.06
Iowa	20	1.37	45	-0.02
Kansas	13	1.63	12	1.58
Kentucky	4	2.40	29	0.60
Louisiana	1	3.66	49	-0.93
Maine	46	-0.15	23	1.07
Maryland	25	1.02	13	1.54
Massachusetts	3	2.95	1	4.03
Michigan	42	0.25	50	-1.15
Minnesota	34	0.72	11	1.65
Mississippi	39	0.50	43	0.29
Missouri	18	1.46	19	1.10
Montana	33	0.73	35	0.47
Nebraska	17	1.48	18	1.11
Nevada	49	-1.14	48	-0.78
New Hampshire	36	0.64	39	0.39
New Jersey	11	1.78	33	0.51
New Mexico	9	1.90	10	1.68
New York	10	1.80	8	1.72
North Carolina	32	0.77	14	1.48
North Dakota	5	2.31	2	3.70
Ohio	40	0.49	16	1.32
Oklahoma	7	2.24	25	1.03
Oregon	15	1.53	4	2.07
Pennsylvania	22	1.31	7	1.79
Rhode Island	29	0.86	34	0.49
South Carolina	48	-0.41	42	0.29
South Dakota	12	1.77	22	1.09
Tennessee	38	0.58	41	0.33
Texas	8	2.03	6	1.96
Utah	47	-0.22	28	0.76
Vermont	41	0.35	36	0.46
Virginia	16	1.53	15	1.41
Washington	2	3.32	26	0.97
West Virginia	19	1.43	21	1.10
Wisconsin	26	0.98	9	1.71
Wyoming	23	1.27	27	0.92

Source: U.S. Department of Labor

## 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.

As a result, states with rapid population growth such as Florida tend have a lower rank for the growth in establishments per person than for the growth in the number of establishments. In 2011, Florida was ranked 30th in the establishment growth and 40<sup>th</sup> (see Table 3) in growth in establishments per person. Utah was ranked near the median, at 28<sup>th</sup>, in establishment growth but was ranked near the bottom, at 42<sup>nd</sup> in growth in establishments per person. States with slower population growth or population loss tend to rank higher in growth in establishments per person. For example, in 2011 Ohio was ranked 9<sup>th</sup> in growth in establishments per person but 16<sup>th</sup> in growth in the number of establishments. New York was ranked 6<sup>th</sup> in establishment growth per person but 8<sup>th</sup> in establishment growth. New Hampshire was ranked 39<sup>th</sup> in establishment growth in in 2011 but was ranked 29<sup>th</sup> in growth in establishments per capita.

Some states with slow population growth even show a different trend in establishment growth and growth in establishments per person. For example, Rhode Island fell from 29<sup>th</sup> to 34<sup>th</sup> in the rankings for establishment growth between 2010 and 2011 (see Table 3) but rose in the ranking for growth in establishments per person, from 28<sup>th</sup> to 23<sup>rd</sup>. One note should be made about estimates for establishment growth per person in 2010, as is seen in Appendix A.2. The U.S. Census does not re-estimate state population for the proceeding decade when a new Census population count is made. As a result, there can be significant discontinuity between post- Census estimates for 2010 and pre-Census estimates for 2001 through 2010. Pre-Census estimates for 2010 were used to calculate 2009-2010 growth in establishments per person and post-Census estimates for 2010 were used to calculate growth in establishments per person for 2010-2011.

State	2010 Rank	Index Value	2011 Rank	Index Value
Alabama	37	0.67	31	0.85
Alaska	25	1.01	32	0.81
Arizona	50	-1.83	39	0.32
Arkansas	29	0.93	17	1.36
California	23	1.13	3	2.74
Colorado	46	-0.53	47	-0.60
Connecticut	24	1.01	30	0.87
Delaware	44	-0.09	45	0.00
Florida	35	0.74	40	0.30
Georgia	42	0.39	44	0.16
Hawaii	31	0.88	38	0.36
Idaho	45	-0.25	48	-0.60
Illinois	4	2.44	4	2.43
Indiana	27	0.98	18	1.34
Iowa	16	1.37	41	0.28
Kansas	15	1.46	10	1.84
Kentucky	5	2.36	33	0.81
Louisiana	1	3.48	50	-0.82
Maine	43	0.39	14	1.60
Maryland	30	0.92	15	1.58
Massachusetts	2	2.93	1	4.24
Michigan	33	0.79	46	-0.57
Minnesota	34	0.74	11	1.76
Mississippi	38	0.63	34	0.66
Missouri	11	1.52	16	1.50
Montana	36	0.71	36	0.52
Nebraska	19	1.30	22	1.19
Nevada	49	-1.13	49	-0.71
New Hampshire	26	0.99	29	0.89
New Jersey	9	1.92	28	0.91
New Mexico	14	1.48	12	1.68
New York	6	2.01	6	2.04
North Carolina	40	0.56	20	1.32
North Dakota	7	1.97	2	3.24
Ohio	32	0.85	9	1.85
Oklahoma	8	1.93	25	1.00
Oregon	17	1.37	8	2.00
Pennsylvania	13	1.49	5	2.22
Rhode Island	28	0.96	23	1.16
South Carolina	47	-0.60	43	0.21
South Dakota	12	1.50	26	1.00
Tennessee	41	0.47	37	0.39
Texas	20	1.28	21	1.32
Utah	48	-0.93	42	0.26
Vermont	39	0.58	27	0.98
Virginia	18	1.30	19	1.32
Washington	3	2.89	35	0.62
West Virginia	10	1.55	13	1.63
Wisconsin	22	1.13	7	2.03
Wyoming	21	1.20	24	1.03

Sources: U.S. Departments of Labor and Commerce

## THE BUSINESS FORMATION RATE 2010 AND 2011

State business formation rates were generally stable between 2010 and 2011, as seen in Table 5. However, selected states showed significant improvement. New York moved from the 18<sup>th</sup> rank in 2010 up to a rank of 12<sup>th</sup> in 2011. North Dakota moved from 7<sup>th</sup> in 2010 to the rank of 1<sup>st</sup>. Minnesota showed the largest improvement, from 39<sup>th</sup> in 2010 up to 19<sup>th</sup> in 2011. This improvement in the business formation rate is one of the reasons the state moved into the top 5 in the overall state entrepreneurship index in 2011.

No state experienced such a large decline in its rank. Oregon dropped from 9<sup>th</sup> in business formation rate in 2010 to 16<sup>th</sup> in 2011. Arizona dropped from 26<sup>th</sup> to 32<sup>nd</sup>. Oklahoma dropped from 23<sup>rd</sup> to 33<sup>rd</sup> between 2010 and 2011, Pennsylvania dropped from 32<sup>nd</sup> to 39<sup>th</sup> and Hawaii dropped from 33<sup>rd</sup> to 40<sup>th</sup>.

Beyond changes in the business formation rate, it is interesting to note the consistent strength (or weakness) in business formation in selected states. For example, Massachusetts and Texas, two highly ranked states in the overall entrepreneurship index, are below-median states in the business formation rate. At the same time, there is substantial strength in the business formation rate in many western states. Colorado and Utah are 5<sup>th</sup> (3<sup>rd</sup> in 2010) and 6<sup>th</sup> ranked, respectively, in the business formation rate criterion despite being near the median among states in the overall entrepreneurship ranking. Wyoming is the top ranked or second ranked state in business formation but is ranked 9<sup>th</sup> in 2010 and 14<sup>th</sup> in 2011 for the overall entrepreneurship index. Nevada ranked 13<sup>th</sup> in 2010 and 14<sup>th</sup> in 2011 in terms of the business formation rate despite being among the lowest ranked states on the overall entrepreneurship index. Readers who believe that the business formation rate is the most important indicator of a state's entrepreneurial strength should note these differences.

State	2010 Rank	Index Value	2011 Rank	Index Value
Alabama	42	0.11	47	-0.09
Alaska	19	1.50	21	1.14
Arizona	26	0.98	32	0.78
Arkansas	21	1.44	23	1.11
California	25	1.02	28	0.88
Colorado	3	2.78	5	2.70
Connecticut	37	0.48	38	0.34
Delaware	10	2.19	10	1.96
Florida	2	3.18	3	3.00
Georgia	20	1.48	20	1.29
Hawaii	33	0.64	40	0.33
Idaho	8	2.33	8	2.14
Illinois	30	0.69	30	0.84
Indiana	47	-0.06	41	0.31
Iowa	50	-0.40	42	0.29
Kansas	34	0.60	24	1.07
Kentucky	46	-0.04	49	-0.16
Louisiana	35	0.56	36	0.39
Maine	12	1.94	17	1.67
Maryland	22	1.14	25	1.06
Massachusetts	31	0.66	29	0.87
Michigan	43	0.07	43	0.19
Minnesota	39	0.33	19	1.53
Mississippi	44	0.01	50	-0.17
Missouri	40	0.33	37	0.37
Montana	4	2.68	4	2.97
Nebraska	24	1.05	22	1.12
Nevada	13	1.89	14	1.79
New Hampshire	5	2.61	7	2.32
New Jersey	16	1.71	11	1.86
New Mexico	27	0.96	31	0.79
New York	18	1.69	12	1.83
North Carolina	28	0.91	26	0.94
North Dakota	7	2.35	1	4.07
Ohio	49	-0.32	46	-0.07
Oklahoma	23	1.10	33	0.58
Oregon	9	2.22	16	1.73
Pennsylvania	32	0.66	39	0.34
Rhode Island	11	1.99	9	2.00
South Carolina	38	0.37	35	0.43
South Dakota	17	1.69	18	1.63
Tennessee	41	0.14	45	-0.06
Texas	36	0.49	34	0.44
Utah	6	2.38	6	2.51
Vermont	15	1.74	13	1.79
Virginia	14	1.79	15	1.74
Washington	29	0.86	27	0.91
West Virginia	45	-0.01	44	0.04
Wisconsin	48	-0.13	48	-0.11
Wyoming	1	3.92	2	3.24

Sources: U.S. Departments of Labor and Commerce

## PATENTS PER THOUSAND PERSONS 2010 AND 2011

The index component patents per thousand persons was largely stable in states between 2010 and 2011. Most state ranks were unchanged or nearly unchanged between the two years. There were, however, occasional modest movements in the ranks of some states. North Dakota fell from 34<sup>th</sup> rank to 38<sup>th</sup> rank between 2010 and 2011. Wyoming fell from 37<sup>th</sup> ranked to 40<sup>th</sup> rank and Washington fell from 2<sup>nd</sup> to 5<sup>th</sup> rank. South Carolina experienced the largest improvement in rank, moving from 39<sup>th</sup> rank in 2010 up to 33<sup>rd</sup> rank in 2011. South Dakota moved from 45<sup>th</sup> to 41<sup>st</sup>. Several states moved up two positions in the ranking, including Nebraska which moved from 41<sup>st</sup> to 39<sup>th</sup>.

Regardless of the change in ranking, it is interesting to observe which states had consistently high ranking in terms of patent activity. Massachusetts was among the highest ranked states in both 2010 and 2011 as was California. These results reflect the influence of major universities in each state and the Silicon Valley and 128 Corridor areas. Surrounding the Boston area, Connecticut, New Hampshire and Vermont were highly ranked in patents per thousand persons. Many western states ranked highly on this measure, in addition to California. Washington was among the top 5 ranked states in both years while Oregon was among the top 10 ranked states. Idaho was ranked among the top 10 states and Utah was among the top 15. States in the industrial Midwest were frequently in the top 20 ranked states including Ohio, Illinois, Michigan and Wisconsin. Generally speaking, southern states had lower ranks in terms of patent activity. 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.

State	2010 Rank	Index Value	2011 Rank	Index Value
Alabama	43	0.37	45	0.16
Alaska	50	0.10	50	-0.03
Arizona	19	1.31	18	1.29
Arkansas	47	0.21	47	0.06
California	3	3.25	3	3.33
Colorado	11	1.91	12	1.82
Connecticut	9	2.36	9	2.36
Delaware	12	1.71	10	1.97
Florida	32	0.73	31	0.66
Georgia	29	0.84	29	0.76
Hawaii	44	0.34	44	0.19
Idaho	6	2.98	6	2.77
Illinois	18	1.32	17	1.34
Indiana	26	0.99	27	0.87
Iowa	25	1.01	26	1.00
Kansas	27	0.96	25	1.00
Kentucky	40	0.48	42	0.33
Louisiana	46	0.23	46	0.13
Maine	35	0.59	36	0.44
Maryland	24	1.15	24	1.00
Massachusetts	4	3.24	2	3.43
Michigan	13	1.71	13	1.72
Minnesota	5	3.04	4	3.22
Mississippi	49	0.15	49	0.03
Missouri	33	0.70	35	0.51
Montana	42	0.40	43	0.28
Nebraska	41	0.48	39	0.36
Nevada	28	0.89	28	0.86
New Hampshire	8	2.44	8	2.44
New Jersey	10	1.96	11	1.89
New Mexico	30	0.82	32	0.64
New York	14	1.64	15	1.54
North Carolina	22	1.18	22	1.08
North Dakota	34	0.60	38	0.39
Ohio	17	1.34	19	1.25
Oklahoma	38	0.55	37	0.39
Oregon	7	2.44	7	2.45
Pennsylvania	23	1.18	23	1.03
Rhode Island	20	1.30	20	1.23
South Carolina	39	0.49	33	0.52
South Dakota	45	0.32	41	0.34
Tennessee	36	0.58	34	0.52
Texas	21	1.23	21	1.15
Utah	15	1.62	14	1.66
Vermont	1	4.34	1	3.51
Virginia	31	0.80	30	0.72
Washington	2	3.49	5	3.14
West Virginia	48	0.21	48	0.04
Wisconsin	16	1.54	16	1.42
Wyoming	37	0.56	40	0.35

Source: U.S. Patent and Trademark Office



## INCOME PER NON-FARM PROPRIETOR 2010 AND 2011

Income per non-farm proprietor is another index component that was stable between 2010 and 2011. Most states held the same rank in 2010 and 2011. There were modest improvements in rank in several Western states, including Wyoming and New Mexico. ‘Alabama and Nebraska experienced a modest decline in rank.

A broad mix of states ranked highest in terms of earnings per proprietor in both 2010 and 2011. New York, New Jersey, and Connecticut were the three highest ranked states. The Northeastern states of Massachusetts and Pennsylvania also were in the top ten ranking. However, several southern states also were among the highest ranked. Texas was ranked 4<sup>th</sup> and Tennessee was ranked 5<sup>th</sup>. Two Midwestern states, Illinois and Missouri, ranked near the top between 10<sup>th</sup> and 16<sup>th</sup>, depending on the state and year. Among western states, California ranked 9<sup>th</sup> in 2010 and 8<sup>th</sup> in 2011, while Colorado was ranked 14<sup>th</sup> in 2010 and 13<sup>th</sup> in 2011 and Wyoming ranked 19<sup>th</sup> and then 17<sup>th</sup>. But, many western states including Oregon, Idaho, Montana and Utah were well below the median state in terms of income per non-farm proprietor. Many southern states had lower levels of income per non-farm proprietor including Florida, which was ranked 49<sup>th</sup>, South Carolina at 50<sup>th</sup>, or Georgia at 42<sup>nd</sup> or 43<sup>rd</sup>. States such as North Carolina and Virginia also finished below the median state. Vermont was ranked 48<sup>th</sup> in earnings per proprietor in both 2010 and 2011. Patent activity (see Table 6) is not necessarily associated with higher proprietor earnings.

One technical matter to note is that 2011 values of income per proprietor are estimates. Data on the number of non-farm proprietors by state has not yet been estimated by the Bureau of Economic Analysis within the U.S. Department of Commerce. Income per non-farm proprietor in 2011 was estimated by multiplying the 2010 values by the 2011 growth in non-farm proprietor income.

State	2010 Rank	Index Value	2011 Rank	Index Value
Alabama	38	0.39	41	0.28
Alaska	8	2.15	9	2.04
Arizona	29	0.85	29	0.87
Arkansas	34	0.54	34	0.57
California	9	2.13	8	2.12
Colorado	14	1.50	13	1.58
Connecticut	3	3.24	3	3.22
Delaware	13	1.53	14	1.53
Florida	49	-0.24	49	-0.27
Georgia	42	0.26	43	0.25
Hawaii	37	0.45	36	0.42
Idaho	36	0.46	37	0.41
Illinois	16	1.27	16	1.32
Indiana	44	0.14	44	0.19
Iowa	28	0.94	28	0.89
Kansas	25	1.03	25	1.07
Kentucky	47	-0.12	47	-0.06
Louisiana	17	1.27	15	1.36
Maine	41	0.27	42	0.27
Maryland	21	1.13	22	1.11
Massachusetts	6	2.52	6	2.48
Michigan	40	0.28	39	0.29
Minnesota	30	0.77	30	0.79
Mississippi	32	0.67	32	0.66
Missouri	10	1.86	11	1.80
Montana	46	0.02	46	0.03
Nebraska	18	1.25	21	1.15
Nevada	31	0.74	31	0.67
New Hampshire	12	1.75	12	1.73
New Jersey	2	3.29	2	3.22
New Mexico	43	0.23	40	0.28
New York	1	4.09	1	4.03
North Carolina	39	0.35	38	0.32
North Dakota	22	1.10	20	1.18
Ohio	24	1.05	23	1.09
Oklahoma	11	1.76	10	2.03
Oregon	35	0.53	35	0.56
Pennsylvania	7	2.33	7	2.33
Rhode Island	23	1.10	24	1.07
South Carolina	50	-0.50	50	-0.51
South Dakota	27	0.96	26	0.93
Tennessee	5	2.73	5	2.70
Texas	4	3.04	4	3.18
Utah	45	0.13	45	0.15
Vermont	48	-0.18	48	-0.22
Virginia	33	0.58	33	0.59
Washington	15	1.32	18	1.27
West Virginia	20	1.16	19	1.20
Wisconsin	26	0.97	27	0.91
Wyoming	19	1.16	17	1.28

Sources: U.S. Department of Labor

Table A.1

## Non-Farm Establishments and Growth Rate 2005-2011

State	Non-Farm Establishments								Growth Rate						
	2004	2005	2006	2007	2008	2009	2010	2011	2005	2006	2007	2008	2009	2010	2011
Alabama	108,124	110,621	111,004	113,658	115,049	112,179	110,471	110,175	2.31%	0.35%	2.39%	1.22%	-2.49%	-1.52%	-0.27%
Alaska	18,359	18,739	19,002	19,078	19,386	19,207	19,218	19,316	2.07%	1.40%	0.40%	1.61%	-0.92%	0.06%	0.51%
Arizona	126,348	135,167	147,540	156,493	158,755	149,902	142,733	142,330	6.98%	9.15%	6.07%	1.45%	-5.58%	-4.78%	-0.28%
Arkansas	71,427	73,435	77,010	78,654	81,396	81,527	80,842	81,356	2.81%	4.87%	2.13%	3.49%	0.16%	-0.84%	0.64%
California	1,162,915	1,191,163	1,234,098	1,260,646	1,293,475	1,304,843	1,299,532	1,337,655	2.43%	3.60%	2.15%	2.60%	0.88%	-0.41%	2.93%
Colorado	160,104	166,540	171,682	175,442	175,410	173,078	168,706	166,551	4.02%	3.09%	2.19%	-0.02%	-1.33%	-2.53%	-1.28%
Connecticut	105,223	106,344	107,528	108,675	109,377	108,723	107,454	106,961	1.07%	1.11%	1.07%	0.65%	-0.60%	-1.17%	-0.46%
Delaware	28,680	29,738	29,685	30,391	29,610	28,770	28,061	27,783	3.69%	-0.18%	2.38%	-2.57%	-2.84%	-2.47%	-0.99%
Florida	517,626	551,947	576,237	595,876	612,691	593,006	586,490	585,158	6.63%	4.40%	3.41%	2.82%	-3.21%	-1.10%	-0.23%
Georgia	238,694	245,403	252,996	261,431	265,897	262,360	258,102	256,734	2.81%	3.09%	3.33%	1.71%	-1.33%	-1.62%	-0.53%
Hawaii	33,593	34,512	35,021	36,404	36,801	37,021	36,556	36,386	2.74%	1.47%	3.95%	1.09%	0.60%	-1.26%	-0.46%
Idaho	46,429	49,112	51,894	53,714	53,970	53,401	52,040	51,129	5.78%	5.66%	3.51%	0.48%	-1.06%	-2.55%	-1.75%
Illinois	320,073	330,105	340,986	350,775	359,074	363,762	367,853	374,304	3.13%	3.30%	2.87%	2.37%	1.31%	1.12%	1.75%
Indiana	147,978	148,561	150,616	153,302	155,007	154,302	152,562	153,249	0.39%	1.38%	1.78%	1.11%	-0.45%	-1.13%	0.45%
Iowa	85,893	86,149	87,023	87,647	88,081	88,329	88,037	87,137	0.30%	1.01%	0.72%	0.50%	0.28%	-0.33%	-1.02%
Kansas	76,604	78,061	78,567	79,652	80,984	81,825	81,893	82,847	1.90%	0.65%	1.38%	1.67%	1.04%	0.08%	1.16%
Kentucky	99,903	100,648	104,916	108,724	105,379	101,995	103,358	103,170	0.75%	4.24%	3.63%	-3.08%	-3.21%	1.34%	-0.18%
Louisiana	110,389	113,813	115,966	114,514	118,306	119,102	123,120	120,309	3.10%	1.89%	-1.25%	3.31%	0.67%	3.37%	-2.28%
Maine	46,402	45,187	46,193	47,039	47,746	47,294	45,967	46,182	-2.62%	2.23%	1.83%	1.50%	-0.95%	-2.81%	0.47%
Maryland	152,972	156,958	159,792	163,763	162,591	161,127	159,677	161,458	2.61%	1.81%	2.49%	-0.72%	-0.90%	-0.90%	1.12%
Massachusetts	204,352	208,434	201,657	204,301	206,680	206,881	211,472	221,051	2.00%	-3.25%	1.31%	1.16%	0.10%	2.22%	4.53%
Michigan	247,703	248,718	251,994	249,746	251,347	247,657	242,333	236,079	0.41%	1.32%	-0.89%	0.64%	-1.47%	-2.15%	-2.58%
Minnesota	149,462	155,783	158,973	159,339	160,475	157,535	155,348	157,313	4.23%	2.05%	0.23%	0.71%	-1.83%	-1.39%	1.26%
Mississippi	62,332	63,482	64,548	65,682	66,578	66,395	65,240	64,842	1.84%	1.68%	1.76%	1.36%	-0.27%	-1.74%	-0.61%
Missouri	158,393	160,287	162,182	164,990	165,551	163,952	163,631	164,471	1.20%	1.18%	1.73%	0.34%	-0.97%	-0.20%	0.51%

Table A.1 (Continued)

## Non-Farm Establishments and Growth Rate 2005-2011

State	Non-Farm Establishments								Growth Rate						
	2004	2005	2006	2007	2008	2009	2010	2011	2005	2006	2007	2008	2009	2010	2011
Montana	39,128	37,722	38,855	40,140	40,721	40,475	39,920	39,778	-3.59%	3.00%	3.31%	1.45%	-0.61%	-1.37%	-0.36%
Nebraska	51,562	53,051	53,904	54,883	55,712	55,838	55,751	56,046	2.89%	1.61%	1.82%	1.51%	0.23%	-0.15%	0.53%
Nevada	62,501	65,913	70,559	73,869	75,912	74,975	71,667	70,177	5.46%	7.05%	4.69%	2.77%	-1.23%	-4.41%	-2.08%
New Hampshire	44,998	45,303	46,197	46,685	46,948	46,478	45,768	45,553	0.68%	1.97%	1.06%	0.56%	-1.00%	-1.53%	-0.47%
New Jersey	259,020	265,422	268,368	264,735	266,149	260,192	261,036	260,249	2.47%	1.11%	-1.35%	0.53%	-2.24%	0.32%	-0.30%
New Mexico	46,502	47,230	49,059	50,033	50,805	50,508	50,774	51,440	1.57%	3.87%	1.99%	1.54%	-0.59%	0.53%	1.31%
New York	540,823	549,054	556,855	563,450	569,694	570,602	572,661	580,476	1.52%	1.42%	1.18%	1.11%	0.16%	0.36%	1.36%
North Carolina	220,998	225,901	235,866	244,340	249,383	246,186	242,959	245,453	2.22%	4.41%	3.59%	2.06%	-1.28%	-1.31%	1.03%
North Dakota	22,402	22,960	22,988	22,922	23,393	23,487	23,766	24,733	2.49%	0.12%	-0.29%	2.05%	0.40%	1.19%	4.07%
Ohio	272,537	274,741	275,426	277,578	279,135	275,782	270,925	273,125	0.81%	0.25%	0.78%	0.56%	-1.20%	-1.76%	0.81%
Oklahoma	87,005	89,220	91,207	93,860	95,338	95,341	96,365	96,760	2.55%	2.23%	2.91%	1.57%	0.00%	1.07%	0.41%
Oregon	112,062	116,883	122,389	125,387	123,137	121,740	121,650	123,886	4.30%	4.71%	2.45%	-1.79%	-1.13%	-0.07%	1.84%
Pennsylvania	313,741	317,186	319,383	324,669	327,611	326,674	325,269	330,009	1.10%	0.69%	1.66%	0.91%	-0.29%	-0.43%	1.46%
Rhode Island	34,392	34,964	35,264	35,425	35,082	34,768	34,365	34,254	1.66%	0.86%	0.46%	-0.97%	-0.90%	-1.16%	-0.32%
South Carolina	108,929	115,194	125,222	113,310	114,666	111,296	107,703	107,050	5.75%	8.71%	-9.51%	1.20%	-2.94%	-3.23%	-0.61%
South Dakota	26,330	26,941	27,463	27,817	28,163	28,340	28,426	28,566	2.32%	1.94%	1.29%	1.24%	0.63%	0.30%	0.49%
Tennessee	126,207	128,442	132,837	137,501	139,585	137,946	135,705	134,963	1.77%	3.42%	3.51%	1.52%	-1.17%	-1.62%	-0.55%
Texas	498,193	507,859	521,414	552,608	548,139	550,097	554,160	563,500	1.94%	2.67%	5.98%	-0.81%	0.36%	0.74%	1.69%
Utah	73,094	77,858	82,242	82,922	83,560	82,254	79,851	79,888	6.52%	5.63%	0.83%	0.77%	-1.56%	-2.92%	0.05%
Vermont	22,595	22,803	22,947	23,268	23,335	23,114	22,653	22,571	0.92%	0.63%	1.40%	0.29%	-0.95%	-1.99%	-0.36%
Virginia	198,259	206,050	209,294	219,242	222,884	222,244	222,073	224,138	3.93%	1.57%	4.75%	1.66%	-0.29%	-0.08%	0.93%
Washington	207,017	204,777	208,874	213,406	215,937	218,552	224,738	225,487	-1.08%	2.00%	2.17%	1.19%	1.21%	2.83%	0.33%
West Virginia	44,166	44,444	44,495	44,836	44,770	44,489	44,385	44,608	0.63%	0.11%	0.77%	-0.15%	-0.63%	-0.23%	0.50%
Wisconsin	150,314	153,923	153,384	152,094	152,628	149,547	148,088	150,092	2.40%	-0.35%	-0.84%	0.35%	-2.02%	-0.98%	1.35%
Wyoming	20,932	21,599	22,390	22,929	23,487	23,555	23,435	23,495	3.19%	3.66%	2.41%	2.43%	0.29%	-0.51%	0.26%

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 2005-2011

State	Population Estimates (July 1 of Year)									Growth Rate in Non-Farm Establishments Per Capita						
	2004	2005	2006	2007	2008	2009	2010 Pre- Census	2010 Post- Census	2011	2005	2006	2007	2008	2009	2010	2011
Alabama	4,512,190	4,545,049	4,597,688	4,637,904	4,677,464	4,708,708	4,729,656	4,785,401	4,802,740	1.57%	-0.80%	1.50%	0.37%	-3.14%	-1.96%	-0.63%
Alaska	661,569	669,488	677,325	682,297	688,125	698,473	708,862	714,146	722,718	0.86%	0.23%	-0.33%	0.75%	-2.39%	-1.41%	-0.68%
Arizona	5,759,425	5,974,834	6,192,100	6,362,241	6,499,377	6,595,778	6,676,627	6,413,158	6,482,505	3.12%	5.32%	3.23%	-0.70%	-6.96%	-5.94%	-1.35%
Arkansas	2,746,161	2,776,221	2,815,097	2,842,194	2,867,764	2,889,450	2,910,236	2,921,588	2,937,979	1.70%	3.42%	1.16%	2.56%	-0.59%	-1.55%	0.07%
California	35,558,419	35,795,255	35,979,208	36,226,122	36,580,371	36,961,664	37,266,600	37,338,198	37,691,912	1.75%	3.07%	1.45%	1.61%	-0.16%	-1.22%	1.97%
Colorado	4,599,681	4,660,780	4,753,044	4,842,259	4,935,213	5,024,748	5,095,309	5,047,692	5,116,796	2.66%	1.09%	0.31%	-1.90%	-3.09%	-3.88%	-2.61%
Connecticut	3,474,610	3,477,416	3,485,162	3,488,633	3,502,932	3,518,288	3,526,937	3,575,498	3,580,709	0.98%	0.89%	0.97%	0.24%	-1.03%	-1.41%	-0.60%
Delaware	826,639	839,906	853,022	864,896	876,211	885,122	891,464	899,792	907,135	2.05%	-1.71%	0.97%	-3.83%	-3.82%	-3.16%	-1.79%
Florida	17,375,259	17,783,868	18,088,505	18,277,888	18,423,878	18,537,969	18,678,049	18,838,613	19,057,542	4.18%	2.64%	2.34%	2.01%	-3.81%	-1.84%	-1.37%
Georgia	8,913,676	9,097,428	9,330,086	9,533,761	9,697,838	9,829,211	9,908,357	9,712,157	9,815,210	0.73%	0.52%	1.13%	-0.01%	-2.65%	-2.41%	-1.57%
Hawaii	1,252,782	1,266,117	1,275,599	1,276,832	1,287,481	1,295,178	1,300,086	1,363,359	1,374,810	1.65%	0.72%	3.85%	0.25%	0.00%	-1.63%	-1.29%
Idaho	1,391,718	1,425,862	1,464,413	1,499,245	1,527,506	1,545,801	1,559,796	1,571,102	1,584,985	3.25%	2.88%	1.10%	-1.38%	-2.23%	-3.42%	-2.61%
Illinois	12,645,295	12,674,452	12,718,011	12,779,417	12,842,954	12,910,409	12,944,410	12,841,980	12,869,257	2.90%	2.94%	2.38%	1.86%	0.78%	0.86%	1.54%
Indiana	6,214,454	6,253,120	6,301,700	6,346,113	6,388,309	6,423,113	6,445,295	6,490,622	6,516,922	-0.23%	0.60%	1.07%	0.44%	-0.99%	-1.47%	0.04%
Iowa	2,941,358	2,949,450	2,964,391	2,978,719	2,993,987	3,007,856	3,023,081	3,050,202	3,062,309	0.02%	0.51%	0.23%	-0.02%	-0.18%	-0.83%	-1.41%
Kansas	2,730,765	2,741,771	2,755,700	2,775,586	2,797,375	2,818,747	2,841,121	2,859,143	2,871,238	1.49%	0.14%	0.65%	0.88%	0.27%	-0.70%	0.74%
Kentucky	4,147,970	4,182,293	4,219,374	4,256,278	4,287,931	4,314,113	4,339,435	4,347,223	4,369,356	-0.08%	3.32%	2.73%	-3.79%	-3.80%	0.75%	-0.69%
Louisiana	4,489,327	4,497,691	4,240,327	4,376,122	4,451,513	4,492,076	4,529,426	4,545,343	4,574,836	2.91%	8.08%	-4.32%	1.56%	-0.24%	2.52%	-2.91%
Maine	1,308,253	1,311,631	1,314,963	1,317,308	1,319,691	1,318,301	1,312,939	1,327,379	1,328,188	-2.87%	1.97%	1.65%	1.32%	-0.84%	-2.41%	0.41%
Maryland	5,542,659	5,582,520	5,612,196	5,634,242	5,658,655	5,699,478	5,737,274	5,785,681	5,828,289	1.87%	1.27%	2.08%	-1.14%	-1.61%	-1.55%	0.38%
Massachusetts	6,451,279	6,453,031	6,466,399	6,499,275	6,543,595	6,593,587	6,631,280	6,555,466	6,587,536	1.97%	-3.45%	0.80%	0.48%	-0.66%	1.64%	4.02%
Michigan	10,089,305	10,090,554	10,082,438	10,050,847	10,002,486	9,969,727	9,931,235	9,877,143	9,876,187	0.40%	1.40%	-0.58%	1.13%	-1.14%	-1.77%	-2.57%
Minnesota	5,079,344	5,106,560	5,148,346	5,191,206	5,230,567	5,266,214	5,290,447	5,310,658	5,344,861	3.67%	1.22%	-0.60%	-0.04%	-2.50%	-1.84%	0.62%
Mississippi	2,886,006	2,900,116	2,897,150	2,921,723	2,940,212	2,951,996	2,960,467	2,970,072	2,978,512	1.35%	1.78%	0.90%	0.73%	-0.67%	-2.02%	-0.89%
Missouri	5,758,444	5,806,639	5,861,572	5,909,824	5,956,335	5,987,580	6,011,741	5,995,715	6,010,688	0.36%	0.23%	0.90%	-0.44%	-1.48%	-0.60%	0.26%

Table A.2 (Continued)

## Growth Rate of Non-Farm Establishments Per Person 2005-2011

Population Estimates (July 1 of Year)										Growth Rate in Non-Farm Establishments Per Capita						
State	2004	2005	2006	2007	2008	2009	2010 Pre- Census	2010 Post- Census	2011	2005	2006	2007	2008	2009	2010	2011
Montana	925,887	934,801	946,230	957,225	968,035	974,989	980,152	990,958	998,199	-4.51%	1.76%	2.12%	0.31%	-1.31%	-1.89%	-1.08%
Nebraska	1,742,184	1,751,721	1,760,435	1,769,912	1,781,949	1,796,619	1,811,072	1,830,141	1,842,641	2.33%	1.10%	1.27%	0.82%	-0.59%	-0.95%	-0.15%
Nevada	2,328,703	2,408,804	2,493,405	2,567,752	2,615,772	2,643,085	2,654,751	2,704,283	2,723,322	1.95%	3.42%	1.66%	0.88%	-2.26%	-4.83%	-2.76%
New Hampshire	1,292,766	1,301,415	1,311,894	1,317,343	1,321,872	1,324,575	1,323,531	1,316,807	1,318,194	0.01%	1.16%	0.64%	0.22%	-1.20%	-1.45%	-0.57%
New Jersey	8,611,530	8,621,837	8,623,721	8,636,043	8,663,398	8,707,739	8,732,811	8,799,593	8,821,155	2.35%	1.09%	-1.49%	0.22%	-2.74%	0.04%	-0.55%
New Mexico	1,891,829	1,916,538	1,942,608	1,968,731	1,986,763	2,009,671	2,033,875	2,065,913	2,082,224	0.26%	2.48%	0.63%	0.62%	-1.72%	-0.67%	0.52%
New York	19,297,933	19,330,891	19,356,564	19,422,777	19,467,789	19,541,453	19,577,730	19,395,206	19,465,197	1.35%	1.29%	0.84%	0.87%	-0.22%	0.17%	1.00%
North Carolina	8,531,283	8,669,452	8,866,977	9,064,074	9,247,134	9,380,884	9,458,888	9,560,234	9,656,401	0.59%	2.09%	1.34%	0.04%	-2.69%	-2.12%	0.02%
North Dakota	636,303	635,365	636,771	638,202	641,421	646,844	653,778	674,629	683,932	2.64%	-0.10%	-0.51%	1.54%	-0.44%	0.11%	2.66%
Ohio	11,464,593	11,475,262	11,492,495	11,520,815	11,528,072	11,542,645	11,532,111	11,537,968	11,544,951	0.71%	0.10%	0.53%	0.50%	-1.33%	-1.67%	0.75%
Oklahoma	3,514,449	3,532,769	3,574,334	3,612,186	3,644,025	3,687,050	3,724,447	3,760,184	3,791,508	2.01%	1.04%	1.83%	0.69%	-1.16%	0.06%	-0.42%
Oregon	3,573,505	3,617,869	3,677,545	3,732,957	3,782,991	3,825,657	3,855,536	3,838,332	3,871,859	3.02%	3.01%	0.93%	-3.09%	-2.24%	-0.85%	0.96%
Pennsylvania	12,388,368	12,418,161	12,471,142	12,522,531	12,566,368	12,604,767	12,632,780	12,717,722	12,742,886	0.86%	0.26%	1.24%	0.55%	-0.59%	-0.65%	1.26%
Rhode Island	1,071,414	1,064,989	1,060,196	1,055,009	1,053,502	1,053,209	1,056,870	1,052,528	1,051,302	2.28%	1.31%	0.95%	-0.83%	-0.87%	-1.50%	-0.21%
South Carolina	4,201,306	4,256,199	4,339,399	4,424,232	4,503,280	4,561,242	4,596,958	4,637,106	4,679,230	4.39%	6.62%	-11.25%	-0.58%	-4.17%	-3.98%	-1.50%
South Dakota	774,283	780,084	788,519	797,035	804,532	812,383	820,077	816,598	824,082	1.56%	0.85%	0.21%	0.30%	-0.34%	-0.64%	-0.42%
Tennessee	5,916,762	5,995,748	6,089,453	6,172,862	6,240,456	6,296,254	6,338,112	6,357,436	6,403,353	0.43%	1.83%	2.11%	0.42%	-2.05%	-2.27%	-1.26%
Texas	22,418,319	22,801,920	23,369,024	23,837,701	24,304,290	24,782,302	25,213,445	25,253,466	25,674,681	0.23%	0.18%	3.90%	-2.71%	-1.58%	-0.98%	0.02%
Utah	2,438,915	2,499,637	2,583,724	2,663,796	2,727,343	2,784,572	2,830,753	2,775,479	2,817,222	3.93%	2.19%	-2.20%	-1.58%	-3.59%	-4.51%	-1.44%
Vermont	618,145	618,814	619,985	620,460	621,049	621,760	622,433	625,909	626,431	0.81%	0.44%	1.32%	0.19%	-1.06%	-2.10%	-0.45%
Virginia	7,468,914	7,563,887	7,646,996	7,719,749	7,795,424	7,882,590	7,952,119	8,023,953	8,096,604	2.62%	0.47%	3.77%	0.67%	-1.39%	-0.95%	0.02%
Washington	6,184,289	6,261,282	6,372,243	6,464,979	6,566,073	6,664,195	6,746,199	6,742,950	6,830,038	-2.30%	0.22%	0.70%	-0.37%	-0.28%	1.58%	-0.95%
West Virginia	1,803,302	1,803,920	1,807,237	1,811,198	1,814,873	1,819,777	1,825,513	1,854,368	1,855,364	0.59%	-0.07%	0.55%	-0.35%	-0.90%	-0.55%	0.45%
Wisconsin	5,511,385	5,541,443	5,571,680	5,601,571	5,627,610	5,654,774	5,668,519	5,691,659	5,711,767	1.85%	-0.89%	-1.37%	-0.11%	-2.49%	-1.22%	1.00%
Wyoming	502,988	506,242	512,841	523,414	532,981	544,270	547,637	564,554	568,158	2.52%	2.33%	0.34%	0.59%	-1.79%	-1.12%	-0.38%

Sources: U.S. Departments of Labor and Commerce

Note: For consistency in comparison, 2010 growth rate estimates were calculated utilizing pre-Census population estimates for 2010

Table A-3

## Establishments Births and Establishment Births Per Person 2005-2011

State	Establishment Births							Establishment Births Per Person						
	2005	2006	2007	2008	2009	2010	2011	2005	2006	2007	2008	2009	2010	2011
Alabama	10,640	10,579	10,926	10,110	8,133	8,766	8,653	0.00234	0.00230	0.00236	0.00216	0.00173	0.00183	0.00180
Alaska	2,072	1,967	1,957	1,999	1,876	1,863	1,822	0.00309	0.00290	0.00287	0.00290	0.00269	0.00261	0.00252
Arizona	18,921	21,060	18,645	16,978	15,804	14,865	14,970	0.00317	0.00340	0.00293	0.00261	0.00240	0.00232	0.00231
Arkansas	7,649	9,592	7,802	8,658	6,946	7,520	7,360	0.00276	0.00341	0.00275	0.00302	0.00240	0.00257	0.00251
California	103,200	103,037	100,593	95,999	81,095	87,347	89,258	0.00288	0.00286	0.00278	0.00262	0.00219	0.00234	0.00237
Colorado	21,132	21,118	21,283	20,443	17,087	16,740	17,568	0.00453	0.00444	0.00440	0.00414	0.00340	0.00332	0.00343
Connecticut	8,453	8,907	8,734	8,295	6,918	7,296	7,350	0.00243	0.00256	0.00250	0.00237	0.00197	0.00204	0.00205
Delaware	2,930	3,383	2,955	2,986	2,370	2,690	2,720	0.00349	0.00397	0.00342	0.00341	0.00268	0.00299	0.00300
Florida	84,374	84,380	80,907	73,480	65,036	66,736	68,820	0.00474	0.00466	0.00443	0.00399	0.00351	0.00354	0.00361
Georgia	30,719	29,882	30,017	28,920	23,850	25,199	25,607	0.00338	0.00320	0.00315	0.00298	0.00243	0.00259	0.00261
Hawaii	3,276	3,303	3,283	3,158	2,623	2,899	2,813	0.00259	0.00259	0.00257	0.00245	0.00203	0.00213	0.00205
Idaho	6,577	7,121	6,440	5,709	4,624	4,822	4,922	0.00461	0.00486	0.00430	0.00374	0.00299	0.00307	0.00311
Illinois	32,120	32,041	29,171	30,053	26,981	27,724	30,169	0.00253	0.00252	0.00228	0.00234	0.00209	0.00216	0.00234
Indiana	14,127	13,266	13,551	13,248	10,660	11,284	13,277	0.00226	0.00211	0.00214	0.00207	0.00166	0.00174	0.00204
Iowa	7,116	7,109	6,973	6,688	5,903	4,723	6,193	0.00241	0.00240	0.00234	0.00223	0.00196	0.00155	0.00202
Kansas	7,223	7,322	7,138	7,363	6,759	6,015	7,116	0.00263	0.00266	0.00257	0.00263	0.00240	0.00210	0.00248
Kentucky	9,304	8,334	9,522	8,845	7,344	7,599	7,694	0.00222	0.00198	0.00224	0.00206	0.00170	0.00175	0.00176
Louisiana	10,132	11,495	11,894	10,676	9,489	9,482	9,516	0.00225	0.00271	0.00272	0.00240	0.00211	0.00209	0.00208
Maine	4,322	4,445	4,240	4,132	3,784	3,788	3,764	0.00330	0.00338	0.00322	0.00313	0.00287	0.00285	0.00283
Maryland	17,056	16,344	15,196	15,403	13,783	13,912	14,407	0.00306	0.00291	0.00270	0.00272	0.00242	0.00240	0.00247
Massachusetts	17,938	16,493	16,414	15,334	13,257	14,020	15,578	0.00278	0.00255	0.00253	0.00234	0.00201	0.00214	0.00236
Michigan	23,751	21,513	20,974	20,327	19,425	17,871	19,378	0.00235	0.00213	0.00209	0.00203	0.00195	0.00181	0.00196
Minnesota	11,549	14,222	16,520	12,505	12,058	10,391	14,680	0.00226	0.00276	0.00318	0.00239	0.00229	0.00196	0.00275
Mississippi	5,956	6,902	6,685	5,914	4,944	5,281	5,215	0.00205	0.00238	0.00229	0.00201	0.00167	0.00178	0.00175
Missouri	14,796	15,200	14,545	12,222	12,832	11,729	12,439	0.00255	0.00259	0.00246	0.00205	0.00214	0.00196	0.00207

Table A.3 (Continued)

## Establishments Births and Establishment Births Per Person 2005-2011

State	Establishment Births							Establishment Births Per Person						
	2005	2006	2007	2008	2009	2010	2011	2005	2006	2007	2008	2009	2010	2011
Montana	4,283	4,316	4,246	3,789	3,373	3,232	3,587	0.00458	0.00456	0.00444	0.00391	0.00346	0.00326	0.00359
Nebraska	4,870	4,758	4,709	4,818	4,237	4,317	4,624	0.00278	0.00270	0.00266	0.00270	0.00236	0.00236	0.00251
Nevada	9,849	9,787	9,699	9,089	7,497	7,640	7,901	0.00409	0.00393	0.00378	0.00347	0.00284	0.00283	0.00290
New Hampshire	4,846	5,017	4,660	4,696	3,888	4,246	4,232	0.00372	0.00382	0.00354	0.00355	0.00294	0.00322	0.00321
New Jersey	31,145	30,378	28,961	27,534	24,080	23,965	25,968	0.00361	0.00352	0.00335	0.00318	0.00277	0.00272	0.00294
New Mexico	5,593	5,970	5,889	5,657	4,767	4,770	4,822	0.00292	0.00307	0.00299	0.00285	0.00237	0.00231	0.00232
New York	54,961	55,655	55,176	53,341	49,145	52,559	56,921	0.00284	0.00288	0.00284	0.00274	0.00251	0.00271	0.00292
North Carolina	21,536	24,600	32,851	24,823	20,370	21,765	23,230	0.00248	0.00277	0.00362	0.00268	0.00217	0.00228	0.00241
North Dakota	1,903	2,065	2,043	2,027	1,747	2,079	2,897	0.00300	0.00324	0.00320	0.00316	0.00270	0.00308	0.00424
Ohio	23,264	22,121	23,091	21,062	17,638	18,366	20,902	0.00203	0.00192	0.00200	0.00183	0.00153	0.00159	0.00181
Oklahoma	9,025	10,215	9,594	9,011	8,411	8,955	8,306	0.00255	0.00286	0.00266	0.00247	0.00228	0.00238	0.00219
Oregon	12,810	13,240	13,005	12,176	10,489	11,549	11,093	0.00354	0.00360	0.00348	0.00322	0.00274	0.00301	0.00287
Pennsylvania	32,141	33,079	28,332	28,956	26,281	27,174	26,135	0.00259	0.00265	0.00226	0.00230	0.00209	0.00214	0.00205
Rhode Island	3,674	3,410	3,361	3,184	2,768	3,031	3,180	0.00345	0.00322	0.00319	0.00302	0.00263	0.00288	0.00302
South Carolina	10,972	12,607	12,156	11,068	9,087	9,178	9,856	0.00258	0.00291	0.00275	0.00246	0.00199	0.00198	0.00211
South Dakota	2,442	2,451	2,234	2,328	2,126	2,213	2,313	0.00313	0.00311	0.00280	0.00289	0.00262	0.00271	0.00281
Tennessee	13,946	14,086	14,101	13,507	10,984	11,770	11,657	0.00233	0.00231	0.00228	0.00216	0.00174	0.00185	0.00182
Texas	54,747	57,856	56,419	57,223	50,346	51,660	54,239	0.00240	0.00248	0.00237	0.00235	0.00203	0.00205	0.00211
Utah	11,163	11,947	11,776	10,151	8,663	8,599	9,371	0.00447	0.00462	0.00442	0.00372	0.00311	0.00310	0.00333
Vermont	1,769	1,895	1,927	1,903	1,689	1,714	1,818	0.00286	0.00306	0.00311	0.00306	0.00272	0.00274	0.00290
Virginia	22,357	22,123	25,410	23,788	22,011	22,218	23,240	0.00296	0.00289	0.00329	0.00305	0.00279	0.00277	0.00287
Washington	18,183	18,632	18,421	18,377	15,080	15,162	16,304	0.00290	0.00292	0.00285	0.00280	0.00226	0.00225	0.00239
West Virginia	4,036	4,007	3,724	3,535	3,202	3,276	3,477	0.00224	0.00222	0.00206	0.00195	0.00176	0.00177	0.00187
Wisconsin	11,706	12,321	10,992	10,986	9,056	9,678	10,202	0.00211	0.00221	0.00196	0.00195	0.00160	0.00170	0.00179
Wyoming	2,406	2,617	2,591	2,521	2,055	2,231	2,132	0.00475	0.00510	0.00495	0.00473	0.00378	0.00395	0.00375

Sources: U.S. Departments of Labor and Commerce

Table A.4

## Patents and Patents Per Thousand Persons 2005-2011

State	Patents							Patents Per Thousand Persons						
	2005	2006	2007	2008	2009	2010	2011	2005	2006	2007	2008	2009	2010	2011
Alabama	359	429	358	354	377	538	416	0.07899	0.09331	0.07719	0.07568	0.08006	0.11243	0.08662
Alaska	36	45	24	28	55	33	32	0.05377	0.06644	0.03518	0.04069	0.07874	0.04621	0.04428
Arizona	1,598	1,893	1,826	1,892	1,759	2,169	2,248	0.26746	0.30571	0.28701	0.29110	0.26669	0.33821	0.34678
Arkansas	153	185	169	152	154	216	188	0.05511	0.06572	0.05946	0.05300	0.05330	0.07393	0.06399
California	19,656	25,039	22,594	22,200	23,354	30,076	30,748	0.54912	0.69593	0.62369	0.60688	0.63184	0.80550	0.81577
Colorado	1,972	2,349	1,983	1,868	1,968	2,435	2,397	0.42311	0.49421	0.40952	0.37850	0.39166	0.48240	0.46846
Connecticut	1,677	1,857	1,611	1,595	1,661	2,111	2,121	0.48225	0.53283	0.46179	0.45533	0.47210	0.59041	0.59234
Delaware	341	396	359	353	342	391	457	0.40600	0.46423	0.41508	0.40287	0.38639	0.43454	0.50378
Florida	2,707	3,261	3,092	2,808	2,899	3,723	3,841	0.15222	0.18028	0.16917	0.15241	0.15638	0.19763	0.20155
Georgia	1,358	1,719	1,580	1,585	1,666	2,194	2,206	0.14927	0.18424	0.16573	0.16344	0.16949	0.22590	0.22475
Hawaii	58	101	82	101	96	144	128	0.04581	0.07918	0.06422	0.07845	0.07412	0.10562	0.09310
Idaho	1,549	1,717	1,388	1,207	985	1,162	1,089	1.08636	1.17248	0.92580	0.79018	0.63721	0.73961	0.68707
Illinois	3,297	4,053	3,711	3,580	3,615	4,374	4,594	0.26013	0.31868	0.29039	0.27875	0.28001	0.34060	0.35697
Indiana	1,246	1,499	1,381	1,195	1,246	1,697	1,633	0.19926	0.23787	0.21761	0.18706	0.19399	0.26145	0.25058
Iowa	629	732	664	644	730	809	856	0.21326	0.24693	0.22291	0.21510	0.24270	0.26523	0.27953
Kansas	455	581	523	543	509	728	805	0.16595	0.21084	0.18843	0.19411	0.18058	0.25462	0.28037
Kentucky	377	471	505	469	457	601	551	0.09014	0.11163	0.11865	0.10938	0.10593	0.13825	0.12611
Louisiana	298	365	294	322	315	355	368	0.06626	0.08608	0.06718	0.07233	0.07012	0.07810	0.08044
Maine	159	156	126	136	130	220	202	0.12122	0.11863	0.09565	0.10305	0.09861	0.16574	0.15209
Maryland	1,283	1,556	1,408	1,427	1,445	1,731	1,638	0.22982	0.27725	0.24990	0.25218	0.25353	0.29919	0.28104
Massachusetts	3,301	4,368	3,835	3,896	4,038	5,260	5,526	0.51154	0.67549	0.59007	0.59539	0.61241	0.80238	0.83886
Michigan	3,664	4,178	3,695	3,583	3,516	4,277	4,397	0.36311	0.41438	0.36763	0.35821	0.35267	0.43302	0.44521
Minnesota	2,582	3,268	2,920	2,869	2,972	4,005	4,227	0.50562	0.63477	0.56249	0.54851	0.56435	0.75414	0.79085
Mississippi	127	152	184	142	144	172	172	0.04379	0.05247	0.06298	0.04830	0.04878	0.05791	0.05775
Missouri	732	863	861	786	877	1,140	1,003	0.12606	0.14723	0.14569	0.13196	0.14647	0.19014	0.16687



Table A.4 (Continued)

## Patents and Patents Per Thousand Persons 2005-2011

State	Patents							Patents Per Thousand Persons						
	2005	2006	2007	2008	2009	2010	2011	2005	2006	2007	2008	2009	2010	2011
Montana	119	136	131	115	91	118	114	0.12730	0.14373	0.13685	0.11880	0.09333	0.11908	0.11421
Nebraska	205	239	254	214	226	253	247	0.11703	0.13576	0.14351	0.12009	0.12579	0.13824	0.13405
Nevada	443	472	468	464	426	639	674	0.18391	0.18930	0.18226	0.17739	0.16118	0.23629	0.24749
New Hampshire	538	657	618	526	608	802	805	0.41340	0.50080	0.46913	0.39792	0.45902	0.60905	0.61068
New Jersey	2,868	3,627	3,152	3,247	3,259	4,345	4,277	0.33264	0.42058	0.36498	0.37480	0.37426	0.49377	0.48486
New Mexico	272	354	304	295	329	455	412	0.14192	0.18223	0.15441	0.14848	0.16371	0.22024	0.19787
New York	5,306	6,406	6,025	5,905	6,127	8,095	7,842	0.27448	0.33095	0.31020	0.30332	0.31354	0.41737	0.40287
North Carolina	1,839	2,232	2,007	2,157	2,298	2,922	2,884	0.21212	0.25172	0.22142	0.23326	0.24497	0.30564	0.29866
North Dakota	81	77	92	72	92	112	95	0.12749	0.12092	0.14415	0.11225	0.14223	0.16602	0.13890
Ohio	2,727	3,291	3,058	3,153	3,023	3,983	3,903	0.23764	0.28636	0.26543	0.27351	0.26190	0.34521	0.33807
Oklahoma	429	584	526	474	446	582	529	0.12143	0.16339	0.14562	0.13008	0.12096	0.15478	0.13952
Oregon	1,849	2,536	2,282	2,173	2,014	2,340	2,371	0.51107	0.68959	0.61131	0.57441	0.52645	0.60964	0.61237
Pennsylvania	2,546	3,186	2,986	2,850	3,066	3,887	3,652	0.20502	0.25547	0.23845	0.22680	0.24324	0.30564	0.28659
Rhode Island	312	354	380	303	305	354	351	0.29296	0.33390	0.36019	0.28761	0.28959	0.33633	0.33387
South Carolina	539	691	542	524	579	651	793	0.12664	0.15924	0.12251	0.11636	0.12694	0.14039	0.16947
South Dakota	68	79	66	60	56	82	106	0.08717	0.10019	0.08281	0.07458	0.06893	0.10042	0.12863
Tennessee	712	817	793	798	785	1,037	1,080	0.11875	0.13417	0.12847	0.12788	0.12468	0.16312	0.16866
Texas	5,524	6,716	6,228	6,184	6,436	8,026	8,044	0.24226	0.28739	0.26127	0.25444	0.25970	0.31782	0.31330
Utah	644	800	766	727	855	1,145	1,215	0.25764	0.30963	0.28756	0.26656	0.30705	0.41254	0.43128
Vermont	411	486	546	514	500	668	536	0.66417	0.78389	0.87999	0.82763	0.80417	1.06725	0.85564
Virginia	1,027	1,231	1,162	1,180	1,209	1,724	1,737	0.13578	0.16098	0.15052	0.15137	0.15338	0.21486	0.21453
Washington	2,482	3,620	3,894	4,158	4,856	5,809	5,266	0.39640	0.56809	0.60232	0.63326	0.72867	0.86149	0.77101
West Virginia	98	111	116	91	102	134	109	0.05433	0.06142	0.06405	0.05014	0.05605	0.07226	0.05875
Wisconsin	1,756	2,150	1,927	1,921	1,887	2,232	2,154	0.31688	0.38588	0.34401	0.34135	0.33370	0.39215	0.37712
Wyoming	55	56	62	41	64	89	74	0.10864	0.10920	0.11845	0.07693	0.11759	0.15765	0.13025

Source: U.S. Patent and Trademark Office

Table A.5

## Income Per Non-Farm Proprietor

State	2005	2006	2007	2008	2009	2010	2011*
Alabama	\$26,369	\$27,173	\$24,319	\$23,574	\$21,171	\$21,409	\$21,894
Alaska	\$32,033	\$33,548	\$30,269	\$29,184	\$28,132	\$30,486	\$31,698
Arizona	\$28,902	\$29,962	\$26,397	\$25,412	\$21,555	\$23,795	\$25,186
Arkansas	\$25,419	\$26,431	\$22,944	\$23,146	\$20,206	\$22,195	\$23,507
California	\$38,939	\$40,455	\$35,117	\$33,020	\$28,159	\$30,416	\$32,153
Colorado	\$37,206	\$39,115	\$32,709	\$32,070	\$25,332	\$27,129	\$29,155
Connecticut	\$43,204	\$45,896	\$40,877	\$37,044	\$34,253	\$36,140	\$38,237
Delaware	\$30,115	\$31,203	\$27,968	\$26,749	\$23,130	\$27,295	\$28,843
Florida	\$22,400	\$22,842	\$20,447	\$18,980	\$16,664	\$18,130	\$18,882
Georgia	\$27,044	\$26,933	\$24,863	\$22,842	\$19,980	\$20,733	\$21,775
Hawaii	\$24,982	\$25,982	\$23,133	\$21,931	\$19,443	\$21,708	\$22,722
Idaho	\$24,857	\$25,371	\$22,997	\$22,672	\$20,121	\$21,785	\$22,640
Illinois	\$35,482	\$36,939	\$32,008	\$29,988	\$25,433	\$25,956	\$27,700
Indiana	\$28,221	\$28,916	\$26,527	\$25,269	\$21,647	\$20,090	\$21,420
Iowa	\$24,773	\$25,384	\$24,570	\$23,866	\$22,021	\$24,226	\$25,318
Kansas	\$29,720	\$30,931	\$27,805	\$28,839	\$22,515	\$24,696	\$26,295
Kentucky	\$25,994	\$26,524	\$24,471	\$24,181	\$20,691	\$18,785	\$20,003
Louisiana	\$32,488	\$30,456	\$28,971	\$31,317	\$23,627	\$25,937	\$27,923
Maine	\$22,793	\$23,571	\$21,560	\$19,666	\$19,524	\$20,792	\$21,847
Maryland	\$26,608	\$27,285	\$24,188	\$25,223	\$23,091	\$25,214	\$26,539
Massachusetts	\$37,993	\$39,730	\$36,907	\$32,418	\$29,622	\$32,417	\$34,164
Michigan	\$29,238	\$28,889	\$25,764	\$21,868	\$18,518	\$20,855	\$21,993
Minnesota	\$26,296	\$26,899	\$24,457	\$24,022	\$20,942	\$23,337	\$24,742
Mississippi	\$26,794	\$26,657	\$24,435	\$24,643	\$21,203	\$22,849	\$24,053
Missouri	\$28,635	\$29,717	\$26,737	\$28,605	\$26,405	\$29,011	\$30,351

Table A.5 (Continued)

## Income Per Non-Farm Proprietor

State	2005	2006	2007	2008	2009	2010	2011*
Montana	\$24,718	\$25,324	\$22,206	\$20,864	\$17,773	\$19,482	\$20,506
Nebraska	\$26,186	\$26,824	\$25,094	\$25,573	\$23,814	\$25,829	\$26,733
Nevada	\$28,333	\$28,669	\$24,375	\$22,778	\$20,468	\$23,184	\$24,062
New Hampshire	\$32,757	\$34,961	\$31,315	\$27,972	\$26,113	\$28,441	\$29,976
New Jersey	\$39,908	\$41,506	\$38,250	\$36,706	\$32,915	\$36,372	\$38,284
New Mexico	\$25,251	\$26,245	\$23,253	\$23,054	\$18,295	\$20,589	\$21,902
New York	\$42,232	\$45,599	\$40,369	\$39,175	\$37,381	\$40,520	\$42,764
North Carolina	\$24,338	\$25,234	\$22,199	\$21,693	\$19,101	\$21,212	\$22,148
North Dakota	\$26,290	\$26,388	\$24,108	\$23,641	\$21,216	\$25,052	\$26,942
Ohio	\$26,978	\$27,607	\$24,657	\$25,491	\$22,201	\$24,817	\$26,411
Oklahoma	\$36,330	\$38,853	\$34,783	\$44,483	\$24,289	\$28,472	\$31,628
Oregon	\$25,753	\$26,683	\$23,849	\$24,371	\$20,846	\$22,103	\$23,485
Pennsylvania	\$36,152	\$37,383	\$34,611	\$34,404	\$28,886	\$31,403	\$33,332
Rhode Island	\$31,220	\$31,928	\$29,566	\$27,432	\$24,056	\$25,048	\$26,297
South Carolina	\$19,860	\$20,502	\$18,289	\$17,990	\$15,597	\$16,778	\$17,539
South Dakota	\$29,090	\$28,745	\$26,604	\$24,674	\$21,785	\$24,343	\$25,551
Tennessee	\$37,506	\$38,867	\$35,681	\$33,589	\$31,578	\$33,518	\$35,381
Texas	\$44,215	\$45,520	\$41,767	\$46,685	\$31,449	\$35,086	\$38,027
Utah	\$22,464	\$23,104	\$20,742	\$21,307	\$18,230	\$20,042	\$21,190
Vermont	\$21,337	\$22,739	\$19,976	\$18,105	\$16,913	\$18,464	\$19,143
Virginia	\$30,295	\$30,508	\$27,379	\$25,674	\$21,960	\$22,375	\$23,631
Washington	\$31,373	\$33,274	\$30,652	\$30,025	\$26,712	\$26,217	\$27,433
West Virginia	\$28,466	\$29,512	\$27,338	\$29,181	\$22,922	\$25,371	\$27,031
Wisconsin	\$26,115	\$26,974	\$24,371	\$23,130	\$21,722	\$24,407	\$25,417
Wyoming	\$31,387	\$32,709	\$28,391	\$29,847	\$22,767	\$25,400	\$27,485

Source: U.S. Patent and Trademark Office

\*Note: 2011 is an estimate based on growth in proprietor income, 2011 proprietor count not available

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