2016

An Assessment of Sales Taxes on Select Services for the City of Tulsa

A Sponsored Study Commissioned by the Oklahoma Municipal League

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AN ASSESSMENT OF SALES TAXES ON SELECT SERVICES FOR THE CITY OF TULSA

Presented to:

Oklahoma Municipal League

and

The City of Tulsa

Prepared by:

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Executive Summary

This study attempts to revisit a critical point raised by The Legislative and Citizens Tax Force on Tax Reform (the Task Force) in 2002. Among many recommendations to overhaul the Oklahoma tax structure, the Task Force suggested initiating sales taxes for select services at a rate equal to the existing sales tax for other non-service industries. This study assesses the potential revenue impact from the implementation of such a sales tax for select services in the City of Tulsa.

Using multiple sources of information (mainly Economic Census and Quarterly Census of Employment of Wages), this study first examines whether indeed service industries' revenues manifest enough size and stability to warrant the proposed attention. Having documented formidable size—comparable to that of retail industries—and strong resiliency against macroeconomic fluctuations for the service industries, this study then proceeds to estimate the revenues of the service industries for the period of 2012-2016.

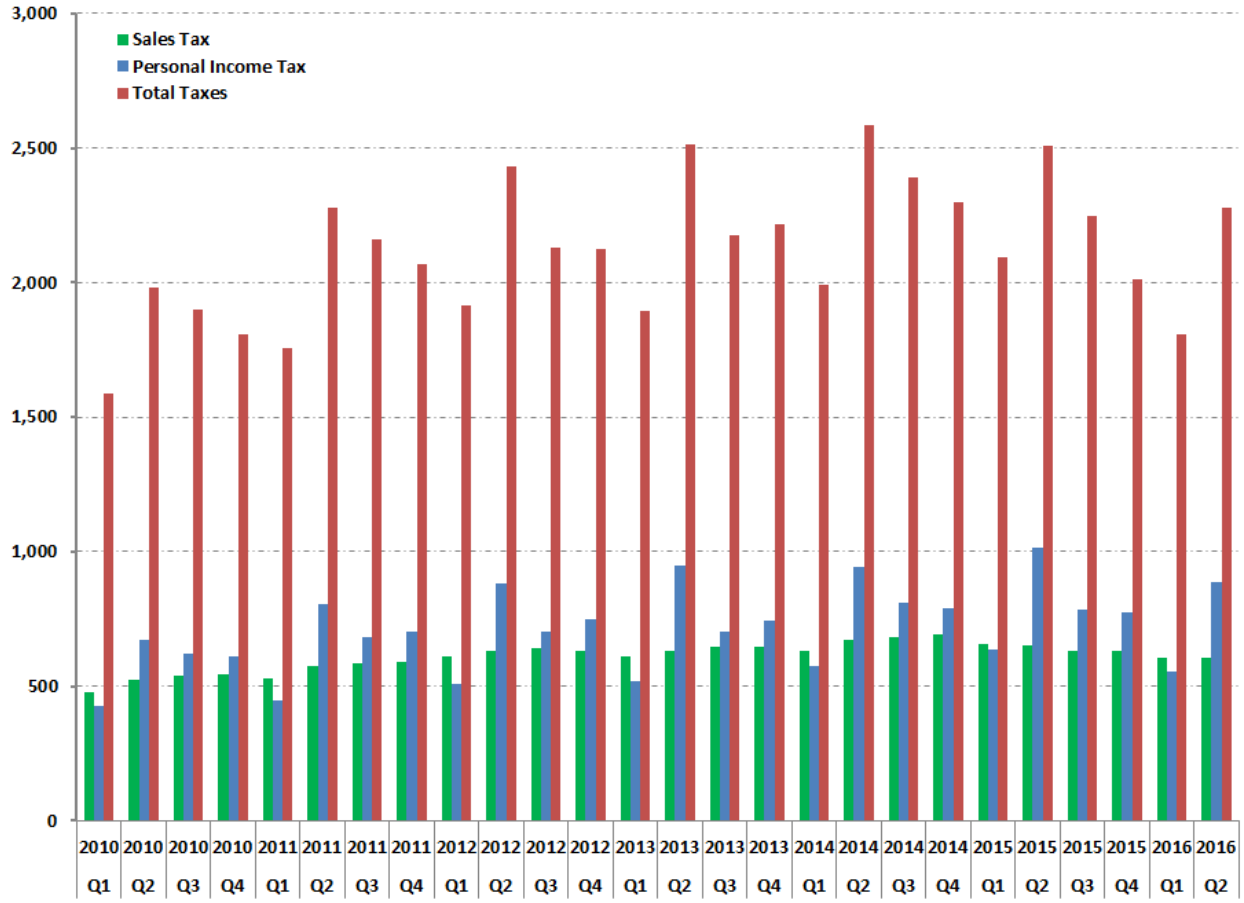
Excluding certain services (newspapers, professional services such as lawyers, accountants, and healthcare), the study estimates the total revenues from the remaining "select services industries" in 2015 to have been $3,237,211,457.00 for the City of Tulsa. This implies that for every percentage tax excised, the City of Tulsa could have expected $32,372,114.57 of additional revenues. Assuming that these revenues were to be taxed at the existing sales tax rate of 2%, the City of Tulsa then could have expected $58,595,838.29, $59,461,508.00, $62,426,750.13, and, $64,744,229.13 of additional tax revenues in 2012, 2013, 2014, and 2015.

To put this in perspective, at 2% tax rate, the service industries would have accounted for about 20% of all tax revenues in the City of Tulsa. In the State of South Dakota with very similar size economy and industrial variety, where services are taxed, the service industry accounts for about 15% of sales taxes and 21% of use taxes.

Introduction

The latest data from the Department of Commerce shows that in the second quarter of 2016 (typically the quarter with the largest total tax receipts), total tax receipts in Oklahoma have fallen to 2.276 US$ billions (from 2.509 US$ billions in the second quarter of 2015). This shows an almost 12% drop from the all-time peak of 2.584 US$ billions of total taxes in the second quarter of 2014. The last time the total taxes were close to the most recent amounts was the second quarter of 2011. More troubling is the changes of total receipts within its four-quarter seasonal cycles. From the second quarter of 2015 to the first quarter of 2016, total tax receipts have fallen by more than 28%, a figure drastically higher than the 19% drop from the second quarter of 2014 to the first quarter of 2015 (which is in line with the prototypical seasonal patterns). While we still await the results for more recent quarters of 2016, it would be safe to say that, as far as tax revenues are concerned, the State of Oklahoma is facing a fiscal crisis.

Figure 1. ALL Taxes – The State of Oklahoma

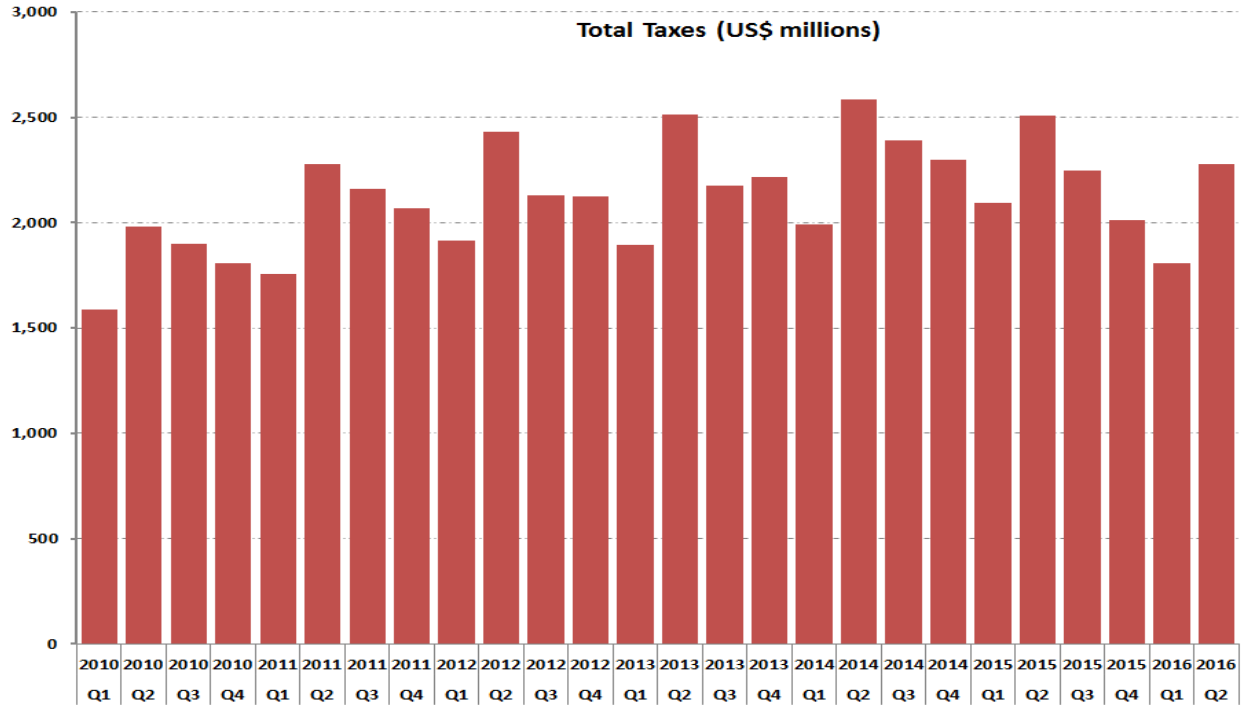


This figure shows the total, sales, and personal income taxes for the state of Oklahoma during the period of 2010Q1-2016Q1. The data is from the Quarterly Survey of State Governments' tax revenue conducted by the U.S. Census Bureau.

To illustrate these differences more clearly, the total taxes, personal taxes, and sales taxes

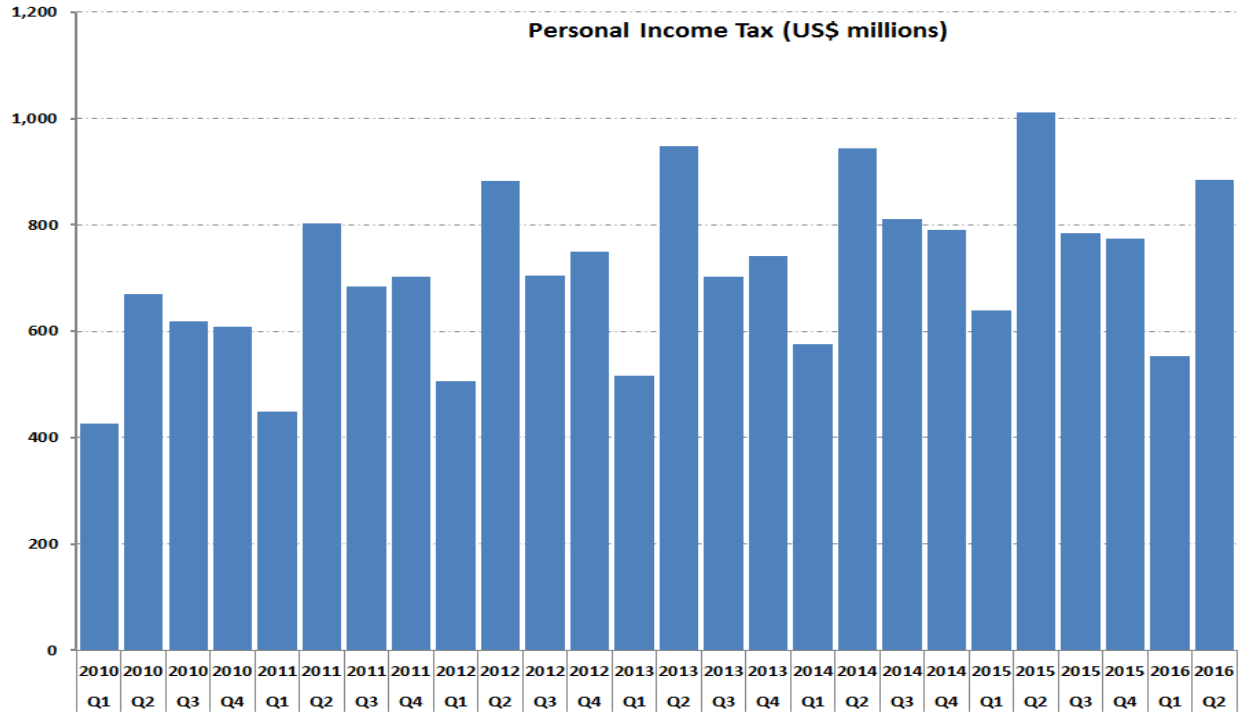
are shown in, respectively, Figures 2, 3, and 4. What is clear from these figures is that the majority of the seasonal patterns in the overall taxes are driven by personal income taxes.

Figure 2. Total Taxes – The State of Oklahoma



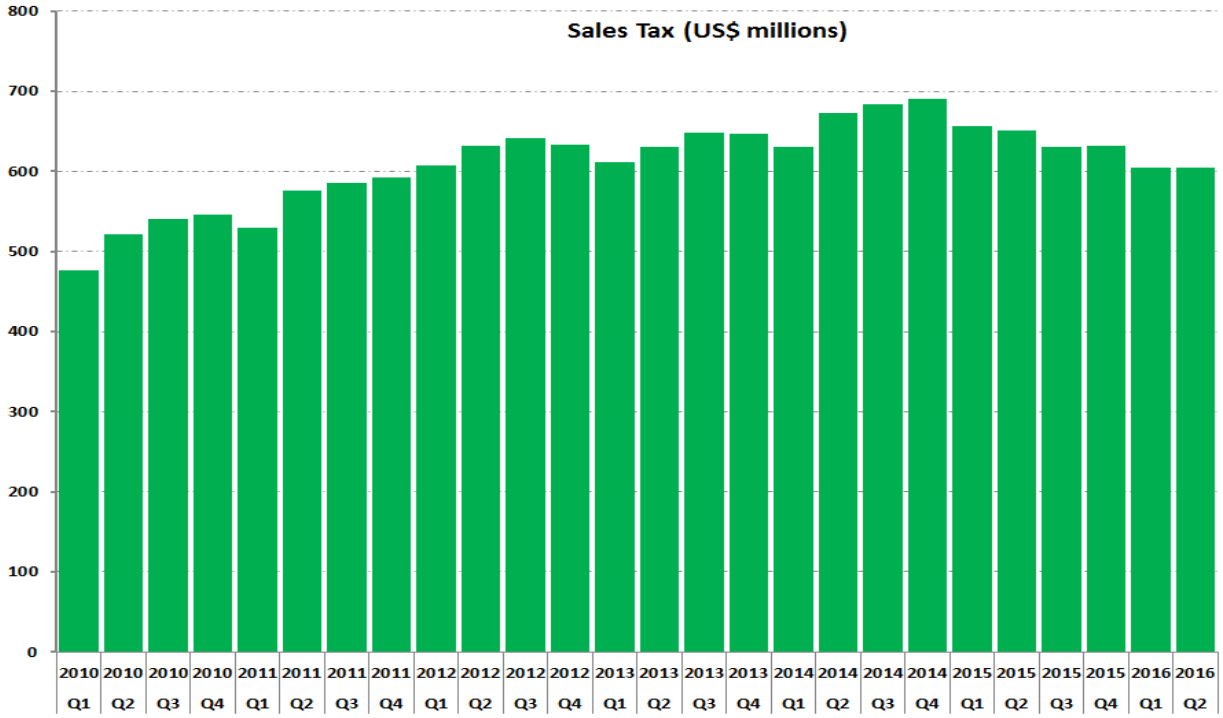
This figure shows the total taxes for the state of Oklahoma during the period of 2010Q1-2016Q1. The data is from the Quarterly Survey of State Governments' tax revenue conducted by the U.S. Census Bureau.

Figure 3. Personal Income Taxes – The State of Oklahoma



This figure shows the personal income taxes for the state of Oklahoma during the period of 2010Q1-2016Q1. The data is from the Quarterly Survey of State Governments' tax revenue conducted by the U.S. Census Bureau.

Figure 4. Sales Taxes – The State of Oklahoma



This figure shows the sales taxes for the state of Oklahoma during the period of 2010Q1-2016Q1. The data is from the Quarterly Survey of State Governments' tax revenue conducted by the U.S. Census Bureau.

As is shown above, sales taxes manifest similarly large declines since the last quarter of 2014, while they do not show statistically significant seasonality. These patterns further highlight the importance of exploring alternatives to the current tax structure which can provide more stability to the state and local governments' revenue streams. Undoubtedly, from a planning perspective alone, such stability can go a long way in assisting these governments to fend off budgetary crises.

Beyond the state level and at the local level, signs of tax revenue declines are even more dramatically evident. For instance, in Tulsa (in Tulsa County) the total sales and use tax from 2014 to 2015 remained virtually unchanged. However, historically pertinent industries for use taxes saw drastic declines. The third and fourth largest use tax generating industries of 2012, Plumbing/Heating Supplies (NAICS = 423490) and All Other Miscellaneous Retail Stores Except Tobacco (NAICS = 453210), respectively generated $19.4M and $17.1M. In 2015, these industries respectively generated $13.4M and $13.6M; a 44.8% and 25.7% respective decline. Obviously, managing government with such unstable revenue streams is tenuous at best.

Table 1 – Sales Tax for Tulsa (in Tulsa County) (Total & Top Industries)

This table depicts the aggregated sales tax (US$) and for top gross sales tax generating industries (for NAIC codes see Appendix A) for years 2012, 2013, 2014, and 2015 for Tulsa (in Tulsa County). The data is from Oklahoma Tax Commission.

NAICS	2012 Sales Tax	2013 Sales Tax	2014 Sales Tax	2015 Sales Tax
All	**121,811,011.02**	**116,633,622.09**	**243,542,661.15**	**244,367,481.36**
445110	20,594,403.00	20,637,003.00	21,340,865.00	21,860,779.00
443112	15,323,181.00	16,818,755.14	20,929,269.00	24,692,000.80
44612	14,304,351.00	14,078,768.00	14,881,774.00	15,131,584.00
45211	14,304,351.00	14,078,544.00	14,881,529.00	15,131,257.00
446120	14,304,351.00	14,078,544.00	14,881,529.00	15,131,257.00
72211	10,134,726.00	9,713,450.00	9,614,357.00	10,019,989.00
532299	6,328,354.00	5,920,376.00	5,957,683.00	5,865,046.00
722410	4,447,844.00	4,891,108.00	5,108,655.00	5,284,280.00

Table 2 – Use Tax for Tulsa (in Tulsa County) (Total & Top Industries)

This table depicts the aggregated use tax (US$) and for top gross use tax generating industries (for NAIC codes see Appendix A) for years 2012, 2013, 2014, and 2015 for the Tulsa (in Tulsa County). The data is from Oklahoma Tax Commission.

NAICS	2012 Use Tax	2013 Use Tax	2014 Use Tax	2015 Use Tax
All	**421,055,073.42**	**426,917,546.29**	**477,596,710.74**	**447,818,551.43**
423450	102,696,265.23	100,262,196.44	102,190,020.12	118,000,080.67
443120	65,000,866.47	68,315,727.19	80,180,931.63	66,866,506.99
423490	19,426,406.29	20,537,620.67	21,815,192.50	13,400,433.36
453210	17,159,650.29	13,011,755.79	14,036,839.21	13,664,832.68
454111	14,610,309.85	15,987,714.41	18,191,216.52	18,924,182.58
332994	13,498,350.72	9,729,485.34	12,286,670.20	4,611,274.35
339113	12,964,635.32	15,560,518.66	18,839,061.28	22,676,298.91
334210	10,308,508.00	7,738,357.00	10,051,910.18	4,878,537.00

As noted before, these shortfalls have given rise to a call for innovative thinking on taxation at all levels, but particularly at the city level. Not surprisingly, some of the old ideas about revamping taxation in Oklahoma have been resurrected. Of particular interest is the 2002 report by The Legislative and Citizens Tax Force on Tax Reform (hereafter The Task Force) in which a number of recommendations were made to overhaul Oklahoma taxation. The one recommendation that is the subject of this study is the introduction of taxes on select services. The Task Force has an extensive list of select services. Throughout this study, we adhere to that definition to the best of our ability. Appendix A provides a detailed list of what we consider select services.

The primary goal of this study is an assessment of the magnitude of taxes on select services for the City of Tulsa. To do so, we utilize Quarterly Census of Employment and Wages (QCEW) from the Bureau of Labor Statistics (BLS) (of the U.S. Department of Labor) and Economic Consensus from the U.S. Census Bureau (of the U.S. Department of Commerce). In this study we (1) overview the above data resources, (2) produce estimates of revenues

for all service industries using above data, and (3) make comparisons to the state of South Dakota as a benchmark. South Dakota has a similar size economy (to Tulsa County) and already imposes taxes on services. We note that the census information is only available at Tulsa County or Tulsa MSA level. Due to the greater geographical overlap, we choose Tulsa County as our benchmark. Using sales tax proportionalities (i.e., the City of Tulsa in Tulsa County versus all Tulsa County as reported by the Oklahoma Tax Commission), we then can comment on the potential impact of service tax for the City of Tulsa[1].

In what follows, we first discuss the main challenges in assessing tax revenues generated by the select services as defined by the Task Force's Pilot Study. We then overview our methodology designed to address these challenges. We discuss at length the most relevant data. In particular, we provide detailed discussions about revenues and payrolls of service industries. Using the time-series and cross-sectional patterns in the data, we then produce revenue estimates for all service industries. We calibrate these estimates to arrive at the most reasonable service industries' revenue estimates for the City of Tulsa. Lastly, we offer concluding remarks.

1. Tax Assessment Challenges

1.1. Data Challenges for Tax Assessment

Given that most services have never been taxed, data on these taxes simply do not exist. As such any assertion about how much service industries could contribute to the city budget ultimately relies on whether taxable revenues for these industries can be assessed and at what rate these revenues are going to be taxed. The latter question can be politically the most controversial. However, the Task Force's Pilot Study suggest excising the same 4.5% tax rate as other industries' sales' tax rate for select services. As such, we follow the same and assume that select services' revenues can be taxed at 4.5% rate at the state level. This in turn means that select services' revenues are taxed at 2% rate at the city level. Furthermore, to avoid any dependency on the tax rate, we will conclude our study by assessing potential tax revenues of these industries for every percentage of tax rates excised. This then leaves us with the task of assessing select services revenues. While this task may seem straightforward, in actuality, it is the most difficult part of the analysis.

The detail data on industry revenues and payrolls are only available on a 5-year basis. The U.S. Economic Census reports detailed information about industry revenues and payrolls

[1] The Tulsa MSA covers a geographic area of 6,269.3 sq. mi. which spans Creek, Okmulgee, Osage, Pawnee, Rogers, Tulsa, and, Wagoner Counties. This area is much larger than the City of Tulsa. In contrast more than 80% of the City lies within the Tulsa County boundaries. This part of the City accounts for 70% of sales taxes and 85% of use taxes collected in the Tulsa County. Appendix C provides more detail information about the Tulsa MSA and Tulsa County.

every five years. The last census was conducted in 2012, and yet the last batch of data was reported in early 2016. This basically means that the most recent detailed information about industry revenues are about five years old. Given that majority of recent economic malaise in the state of Oklahoma started in 2014 when the crude oil prices took a sharp decline, we are left with a critical task of estimating the interim industry revenues for the 2012-2016. In what follows, we explain how by incorporating the relative patterns of revenues vis-à-vis payrolls (i.e., wage), we can generate reliable revenues estimates at the industry level.

Another challenge stems from the fact that the select services recommended by The Task Force entail industries that often offer services along with goods. For example, The Task Force sample businesses include Lawn Services, and among those services Sod Laying is recommended as a possible select taxable service. However, these service providers often sell the sod along with the installation service. To assess a sales tax on *the service* apart from the sod sold demands detailed knowledge of costs in order to split out the cost of the sod and the cost of the installation service to determine the tax rates of each. Interestingly though main data sources used in this study (Economic Census and Quarterly Census of Employment and Wages) do separate revenues from various industry categories. As such, when we estimate the revenues for each industry, the aggregated data already accounts for the aforementioned problem.

One last challenge in measuring service sales taxes is whether certain exemptions would be imposed and the extent to which these exemptions would affect the assessment of tax revenues. For instance, The Task Force in its Pilot Study proposed that "…[t]his sales tax would exempt exported services and government purchased services, and a use tax would be imposed on imported services of the type covered by the sales tax" (p. 8). While we forecast revenues for all services industries, we separate select services and thus provide a breakdown of revenues along possible "exempted" services.

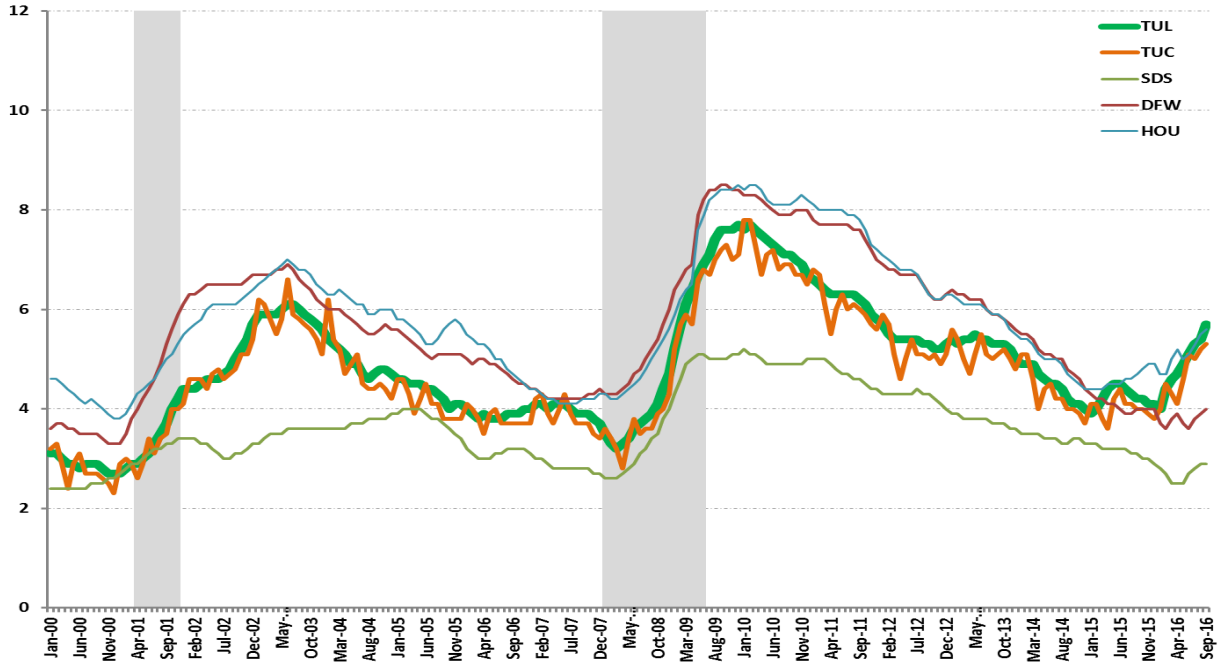
1.2. Employment, Economic Conditions and Industry Revenue Impacts

Beyond the availability of the appropriate data, forecasting the future has its own challenges and no one can forecast it with certainty. We want to employ data that we believe will give us the best chance to make a forecast of the unknown. For instance, in its Pilot Study, The Task Force employed population growth as an underlying force for the growth of various service industries. This is very a simplistic perspective and at times can be detrimental in accurate forecasting. Again, take for example Lawn Services. The growth of this industry is inherently related to new housing construction, which in turn is fundamentally driven by family formation patterns and family growth patterns as well as interstate immigration.

To be clear, imagine that the population grows by 10,000 each year. Clearly a proportion of that growth is due to births and thus is already accounted for by established family units: new babies do not necessarily lead to a greater demand for lawn services. As another example, major Oklahoma universities attract a large number of out-of-state students, mainly from neighboring states (e.g. Texas). To the extent that these students utilize existing multi-family dwellings (apartment complexes, university housing, etc.), there will not be any measurable impact on the growth in demand for lawn services.

Similarly, changes in economic conditions can impact the need for services. During its booming years, the fracking industry attracted talent from beyond Oklahoma borders. The recent drastic slowdown in the industry led to a structural reduction of the workforce (Fig. 5, 6, and 7).

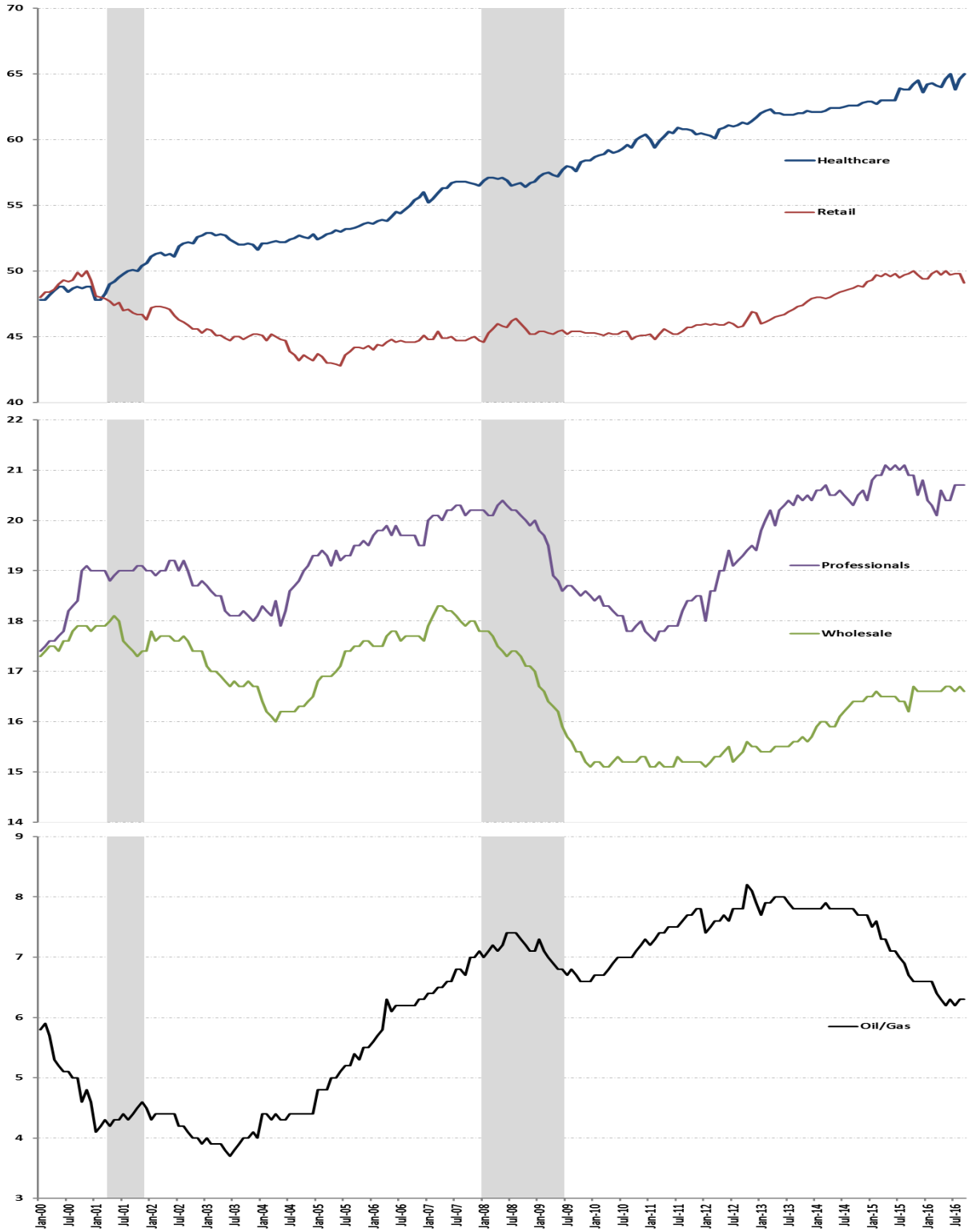
Figure 5. Unemployment Rate



This figure shows the umployment rate for Tulsa MSA (TUL), Tulsa County (TUC), South Dakota (SDS), Dallas-Forth Worth MSA (DFW), and Houston MSA (HOU). The shaded area denotes the NBER recession dates for the U.S. economy. The data is from U.S. Bureua of Labor Statistics via FRED databases at the St. Lious Federal Reserve Bank.

As is shown above in Figure 5, the overall unemployment patterns of Tulsa County and Tulsa MSA resemble those of major Oil and Gas industry centric locales. In both recent past recessions (shaded area), the rapid rise of unemployment in Tulsa MSA, Tulsa County, South Dakota, Dallas-Forth Worth MSA and Houston MSA have all been highly correlated (and statistically significant). While we still need to know whether the recent rise in unemployment rates across these locales are due to a recessionary force, we do know that Oil and Gas industry's troubles have contributed to the phenomenon.

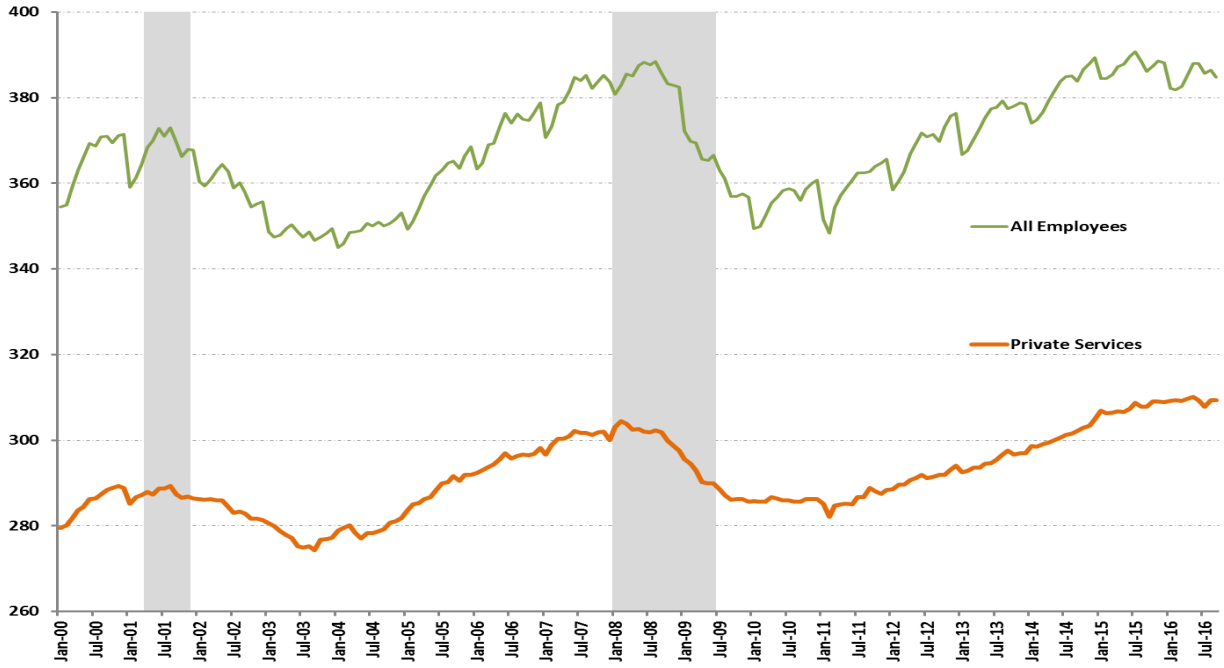
Figure 6. Employees (in thousands) Across Various Sectors



This figure shows the number of employees for various sectors for Tulsa MSA the period of Jan. 2000-July 2016. The shaded area denotes the NBER recession dates for the U.S. economy. The data is from the Federak Reserve Bank of Philphelphia via FRED databases at the St. Lious Federal Reserve Bank.

As is evident from Figure 6, in the last four quarters, the Oil and Gas sector' number of employees in Tulsa MSA has dropped sharply by 20% from almost 9000 employees in March 2014 to little over 6300 employees in March 2016. The two major non-service sector of the economy—retail and wholesale—has also seen their share of stagnant or moderately declining employment. From Figure 7, however, we can see that the service sector through its continued employment growth has contributed greatly to moderating the overall employment situation in Tulsa MSA.

Figure 7. Employees (in thousands) – Total and Private Service Sector



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Undoubtedly, the close relationship between the employment situation and the overall state of the economy is of great interest to us. Clearly, a declining number of people employed adversely affects tax revenues through multiple channels. The declining number of the employed means declines in the personal income taxes for the state. But perhaps more importantly, lower employment can translate into much smaller aggregate disposal income which in turn can lead to smaller sales taxes. Coupled with lower wages (not shown for brevity), the overall adverse impact can be quite drastic. Interestingly though, the service industries show great level of resiliency in employment levels and overall payroll amounts. In what follows, we lay out the foundation for why using frequent payroll data vis-à-vis infrequent, occasional (every 5-year) census' revenue data can generate reliable estimates for the service industries' revenues.

2. Necessary Data

2.1. Industry Revenues and Payrolls – Five Year Census Data

Our first and foremost source of information is the Economic Census. The Economic Census is the U.S. Government's official five-year measure of American business and the economy. It is conducted by the U.S. Census Bureau, and a response is required by law. The last census was conducted in October of 2012. In October through December 2012, forms were sent out to nearly 4 million businesses, including large, medium and small companies representing all U.S. locations and industries. Respondents were asked to provide a range of operational and performance data for their companies. While some industries are not covered by the economic census, the census covers the broadest list of industries which can account for up to 2432 industry categories.

As for as the geographic reach goes, the Economic Census covers all the states in the U.S., their counties, and their major metropolitan statistical areas (MSA). For the 2007 Economic Census, a cutoff of 5,000 or more population or jobs was used to identify the economic places valid for publication. For the 2012 Economic Census, these cutoffs have been reduced to 2,500, resulting in nearly 5,000 new places to be published in the Census. The 2012 Economic Census will also reflect any boundary and/or title changes for counties, economic places, and other geographic areas.

The U.S. Census Bureau provides an excellent history of the Economic Census.[2] "… [I]n 1902, Congress authorized the establishment of a permanent Census Bureau, and at the same time directed that a census of manufactures be taken every five years. The 1905 manufacturing census was a milestone in that it marked the first time a census of any kind was taken separately from the regular every 10 years population census.

The first census of business, covering retail and wholesale trade, was conducted in 1930, and shortly thereafter was broadened to include some service trades. … [After World War II, t]hey resumed with the 1947 Census of Manufactures and the 1948 Census of Business.

… The 1954 Economic Census was the first to fully integrate census taking for the various kinds of business. The census provided comparable statistics across economic sectors, using consistent time periods, concepts, definitions, classification and reporting units. … The 1954 Economic Census also was the first to be taken by mail, using lists of firms provided from the administrative records of other federal agencies. Since 1963, administrative records have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

[2] https://www.census.gov/econ/census/about/history.html

The range of industries covered in the economic census has continued to expand. The census of construction industries began on a regular basis in 1967. The scope of service industries coverage was broadened at various points over the following 25 years. The census of transportation began in 1963 as a set of surveys covering travel, transportation of commodities, and trucks. Starting in 1987, census publications also reported on business establishments engaged in several transportation industries, paralleling the data on establishments in other sectors.

The final major expansion of the economic census took place in 1992, adding more transportation industries, plus finance, insurance, real estate, communications, and utilities - a group accounting for more than 20 percent of U.S. gross domestic product. On a smaller scale, the 2002 Census added coverage of four industries previously out of scope because they had been classified as agricultural services: landscape architecture, landscaping services, veterinary services, and pet care.

The 1997 Economic Census was the first major statistical report based on the North American industry Classification System (NAICS). Developed cooperatively by the U.S., Canada, and Mexico, NAICS replaced the Standard Industrial Classification (SIC) system to provide greater comparability with international statistics. Today the economic census, together with the separately conducted censuses of agriculture and governments, covers virtually the entire economy, excepting only for forestry, agricultural support, rail transportation, and employment by private households."

A cornerstone of the Economic Census is confidentiality of the respondents. "… Responses to the economic census have been treated as confidential since the 19th century. Legislation authorizing the 1910 decennial census went even further and required that statistics be published so that no particular establishment or its operations could be identified.

In 1954, the confidentiality provisions were incorporated into the law (title 13, U.S. Code) that specifies the frequency and scope of the economic census. The law also prescribes penalties for any disclosure by the Census Bureau, or for a respondent's false reporting or willful refusal where response is mandatory. In 1962, the confidentiality rule for census questionnaires was extended by law to also make copies retained in respondents' files immune from legal process (title 13, section 9a)." As it happens, the effort to maintain confidentiality often leads to missing data which makes our task of assessing the revenues vis-à-vis payrolls quite challenging.

2.2. Industry Payrolls – Annual Data

The Quarterly Census of Employment and Wages (QCEW) from the Bureau of Labor Statistics (BLS) is an excellent source of detail information. The QCEW publication data set

"… is vastly larger in scale than most BLS products. For example, the national Current Employment Statistics (CES) program publishes data for most of the 1,083 NAICS detailed industries for the U.S. QCEW publishes every NAICS industry for the more than 3,000 counties in the United States, Puerto Rico, and the U.S. Virgin Islands, as well as every MSA, every state, and the nation."[3] The latest data is available for 2015. The industry-level aggregated data goes back to 1975. The detailed, entity-level data goes back to 1990. It is noteworthy that the Oklahoma Employment Security Commission (OESC) collects the raw data that in turn becomes QCEW. As such, there is a possibility that more up-to-date data can be obtain from OESC.

As the Bureau of Labor Statistics states: "The Quarterly Census of Employment and Wages Program is a cooperative program involving the Bureau of Labor Statistics (BLS) of the U.S. Department of Labor and the State Employment Security Agencies (SESAs). The QCEW program produces a comprehensive tabulation of employment and wage information for workers covered by State unemployment insurance (UI) laws and Federal workers covered by the Unemployment Compensation for Federal Employees (UCFE) program. Publicly available files include data on the number of establishments, monthly employment, and quarterly wages, by NAICS industry, by County, by ownership sector, for the entire United States. These data are aggregated to annual levels, to higher industry levels (NAICS industry groups, sectors, and supersectors), and to higher geographic levels (national, State, and Metropolitan Statistical Area (MSA)).

The QCEW program serves as a near census of monthly employment and quarterly wage information by 6-digit NAICS industry at the national, State, and County levels. At the national level, the QCEW program publishes employment and wage data for nearly every NAICS industry. At the State and area level, the QCEW program publishes employment and wage data down to the 6-digit NAICS industry level, if disclosure restrictions are met. In accordance with BLS policy, data provided to the Bureau in confidence are not published and are used only for specified statistical purposes. BLS withholds publication of UI-covered employment and wage data for any industry level when necessary to protect the identity of cooperating employers. Totals at the industry level for the States and the Nation include the nondisclosable data suppressed within the detailed tables. However, these totals cannot be used to reveal the suppressed data.

Employment data under the QCEW program represent the number of covered workers who worked during, or received pay for, the pay period including the 12th of the month. Excluded are members of the armed forces, the self-employed, proprietors, domestic workers, unpaid family workers, and railroad workers covered by the railroad unemployment insurance system. Wages represent total compensation paid during the

[3] http://www.bls.gov/cew/

calendar quarter, regardless of when services were performed. Included in wages are pay for vacation and other paid leave, bonuses, stock options, tips, the cash value of meals and lodging, and in some States, contributions to deferred compensation plans (such as 401(k) plans). The QCEW program does provide partial information on agricultural industries and employees in private households.

Data from the QCEW program serve as an important input to many BLS programs. The QCEW data are used as the benchmark source for employment by the Current Employment Statistics program and the Occupational Employment Statistics program. The UI administrative records collected under the QCEW program serve as a sampling frame for BLS establishment surveys.

In addition, data from the QCEW program serve as an input to other Federal and State programs. The Bureau of Economic Analysis (BEA) of the Department of Commerce uses QCEW data as the base for developing the wage and salary component of personal income. The Employment and Training Administration (ETA) of the Department of Labor and the SESAs use QCEW data to administer the employment security program. The QCEW data accurately reflect the extent of coverage of the State UI laws and are used to measure UI revenues; national, State and local area employment; and total and UI taxable wage trends.

BLS publishes data from the QCEW program every quarter in the County Employment and Wages press release. This is usually released 6 to 7 months after the end of the quarter. The QCEW program also publishes a subset of its quarterly data through the Create Customized Tables system, and full quarterly industry detail data at all geographic levels in several file formats, our data files.

In addition, QCEW publishes the annual bulletin Employment and Wages, Annual Averages about 10 months after the end of the year. The 2002 edition is the first to appear on the internet in its entirety. For more information about this, please see the Publications section of our home page. Also, the cooperating SESAs issue quarterly and/or annual reports of QCEW data."

2.3. Tax Data

Thanks to the Oklahoma Tax Commission (OTC), we have excellent detailed data on sales and use taxes for over 400 industries (albeit non-services) between 2012 and 2015. For approximately 130 industries, OTC has been collecting sales taxes. For approximately 280 industries, OTC has been collecting use taxes.

Additionally, the Oklahoma Tax Commission has provided us with the "2015 South Dakota Sales and Use Taxes". This data covers little over 700 distinct industries from which about 160 are service industries. The following table summarizes this data.

Table 3 – South Dakota Sales and Use Taxes - 2015

	Dollars Amounts (US$ millions)			Percentage of Total		
Industry Categories	***Gross Sales***	***Use Taxable***	***Taxable Sales***	***Gross Sales***	***Use Taxable***	***Taxable Sales***
Agriculture, Forestry, & Fishing	743.642	21.353	297.864	1.08%	1.87%	1.45%
Mining	129.821	37.492	105.773	0.19%	3.29%	0.51%
Construction	43.911	0.623	27.091	0.06%	0.05%	0.13%
Manufacturing	8,647.183	297.224	873.761	12.62%	26.07%	4.24%
Transportation & Public Utilities	3,833.840	203.028	2,765.164	5.59%	17.81%	13.42%
Wholesale Trade	16,753.554	73.556	1,617.641	24.44%	6.45%	7.85%
Retail Trade	27,510.648	172.901	10,863.961	40.14%	15.17%	52.74%
Finance, Insurance, & Real Estate	559.017	83.177	394.756	0.82%	7.30%	1.92%
Services	10,317.464	250.242	3,649.376	15.05%	21.95%	17.72%
Public Administration	4.205	0.323	2.390	0.01%	0.03%	0.01%
Total	**68,543.284**	**1,139.919**	**20,597.777**	**1.08%**	**1.87%**	**1.45%**

3. Broad Overview of Data

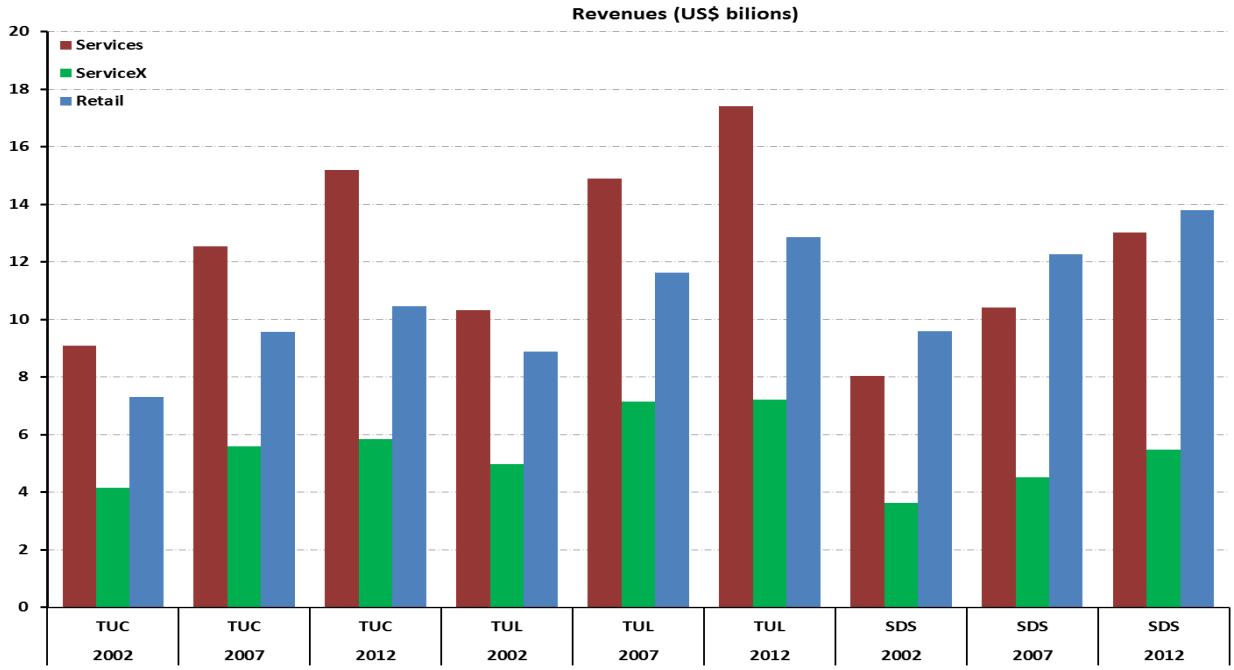
3.1. Revenues and Payrolls: Economic Census 2002, 2007, & 2012

As noted before, Economic Census provides detail information about revenues, payrolls, the number of employees, and the number of establishments for the largest set of industries. However, the census is conducted every five years and it takes almost four years for the data to be processed and reported to the public. For instance, the last batch of data for the 2012 Economic Census was reported in early 2016. While the industry categories have changed from 2002 to 2012, the latest census covers little over 700 six-digit industry categories for Tulsa County and Tulsa MSA.

Figure 8 provides an overview these censuses. We focus our attention to Tulsa County. The choice driven by the reasons that (1) geographically the two locales have great overlap with the City of Tulsa, and (2) in these smaller locales (than states) certain industries are more likely to have redacted data for the purpose of confidentiality. We do use information from Tulsa MSA to amend the data and improve our forecasting. We also use South Dakota as a comparable locale due to similarities in size and nature of industries.

In what follows, we examine the data from 2002, 2007, and, 2012 Economic Censuses. Our primary goal is to ascertain (1) how revenues of the service industry change over time, (2) how the payrolls of the service industry change over time, and lastly, (3) how the revenues vis-à-vis payrolls behave through time. If revenues and payrolls grow consistently over time and if the ratio of the two remains sizable and stable over time, we can then utilize more frequent data on payrolls (Quarterly Census of Employment and Wages) to form robust estimates of the service industries revenues.

Figure 8. Comparison of the Revenues of Select Services and Non-Service Industries in Tulsa County, Tulsa MSA, and South Dakota



This figure shows the revenues of various industries for 2002, 2007 and 2012 in Tulsa County (TUC), Tulsa MSA (TUL), and South Dakota (SDS). The data is from Economic Census conducted and reported by the U.S. Census Bureau every five years. ServiceX refers to all service industries excluding (1) newspapers, (2) professionals and business services (e.g., lawyers, accountants), (3) financial services, (4) real estate, (5) healthcare services, (6) hospitality and food services, (7) waste management, and (8) public institutions. Service industries are those with 2-digit NAICS code of 51, 52, 53, 54, 55, 56, 61, 62, 71, 72, and 81. For detailed list of all of these industies, consult with the appendix.

As is evident in Figure 8, from 2002 to 2012, all services (and select services) and retail industries have enjoyed a continued growth in revenues in Tulsa County, Tulsa MSA, and South Dakota. In Tulsa County, the total revenues from all industries are $35.97B, $48.55B, and, $57.59B, respectively, for 2002, 2007 and 2012. The retail industries' revenues are $7.30B, $9.58B, and, $10.45B, respectively, for 2002, 2007 and 2012. The service industries' revenues are $9.10B, $12.55B, and, $15.18B, respectively, for 2002, 2007 and 2012. Of these, select services'[4] revenues are $4.16B, $5.59B, and, $5.84B, respectively, for 2002, 2007 and 2012. It is noteworthy that the two largest non-service sectors in Tulsa County are manufacturing and wholesale. The manufacturing revenues are $9.71B,

[4] Detail list of industries and what is considered "select services" are provided in Appendix A. However, to provide a overview, we consider the following industries non-select services: (1) newspapers (i.e., publishing industries, except internet), (2) professional and business services (e.g., lawyers, accountants, engineering, technical services, etc.), 3) financial services (e.g., financial institutions, insurance companies, brokerages, wealth management, etc.), (4) real estate (e.g., leasing agencies, realtors, property managers, automotive leasing, etc.), (5) healthcare and social assistance services (e.g., physicians, dentists, podiatrists, ambulatory services, outpatient facilities, hospitals, nursing care, mental care, etc.), (6) hospitality and food services, (7) waste management (i.e., waste collection, treatment, and disposal), and (8) public institutions.

$16.40B, and $18.77B, respectively, for 2002, 2007 and 2012. The wholesale revenues are $9.86B, $10.03B, and $13.18B, respectively, for 2002, 2007 and 2012.

To put these into perspective, we now consider Tulsa MSA and South Dakota. In Tulsa MSA, the total revenues from all industries are $42.31B, $68.59B, and $74.56, respectively, for 2002, 2007 and 2012. The retail industries' revenues are $8.89B, $11.62B, and $12.87B, respectively, for 2002, 2007 and 2012. The service industries' revenues are $10.33B, $14.90B, and $17.40B, respectively, for 2002, 2007 and 2012. Of these, select services' revenues are $4.98B, $7.14B, and $7.22B, respectively, for 2002, 2007 and 2012. Manufacturing and wholesales are also the largest non-service sectors in Tulsa MSA. The manufacturing revenues are $12.49B, $21.57B, and $24.82B, respectively, for 2002, 2007 and 2012. The wholesale revenues are $10.61B, $20.50B, and $19.47B, respectively, for 2002, 2007 and 2012.

In South Dakota, the total revenues from all industries are $39.05B, $56.08B, and $73.56B, respectively, for 2002, 2007 and 2012. The retail industries' revenues are $9.60B, $12.27B, and $13.79B, respectively, for 2002, 2007 and 2012. The service industries' revenues are $8.04B, $10.43B and, $13.03B, respectively, for 2002, 2007 and 2012. Of these, select services' revenues are $3.63B, $4.53B, and $5.47B, respectively, for 2002, 2007 and 2012. Manufacturing and wholesales are also the largest non-service sectors in South Dakota. The manufacturing revenues are $10.71B, $13.05B, and $16.88B, respectively, for 2002, 2007 and 2012. The wholesale revenues are $7.85B, $14.77B, and $25.29B, respectively, for 2002, 2007 and 2012.

Table 4 – Revenues Growth Across Industries

This table depicts the revenues growth sequentially between 2007 and 2002 Economic Census results and between 2012 and 2007 Economic Census results for major industry groupings.

	Tulsa County		Tulsa MSA		South Dakota	
	From 2002 To 2007	From 2007 To 2012	From 2002 To 2007	From 2007 To 2012	From 2002 To 2007	From 2007 To 2012
All Industries	**35.0%**	**18.6%**	**62.1%**	**8.7%**	**43.6%**	**31.2%**
Oil/Gas	N/A	N/A	N/A	N/A	81.9%	0.4%
Services	37.8%	21.0%	44.2%	16.8%	29.6%	25.0%
Select Services	34.4%	4.6%	43.6%	1.1%	24.9%	20.8%
Retail	31.3%	9.1%	30.8%	10.7%	27.8%	12.4%
Wholesale	1.7%	31.5%	93.3%	-5.0%	88.2%	71.3%
Manufacturing	68.8%	14.5%	72.8%	15.0%	21.9%	29.4%

Table 4 provides summary information about the census-to-census (i.e., cumulative 5-year) revenue growth for various major industry groupings for Tulsa County, Tulsa MSA, and South Dakota. As is evident, the services industries show smallest variations across the two

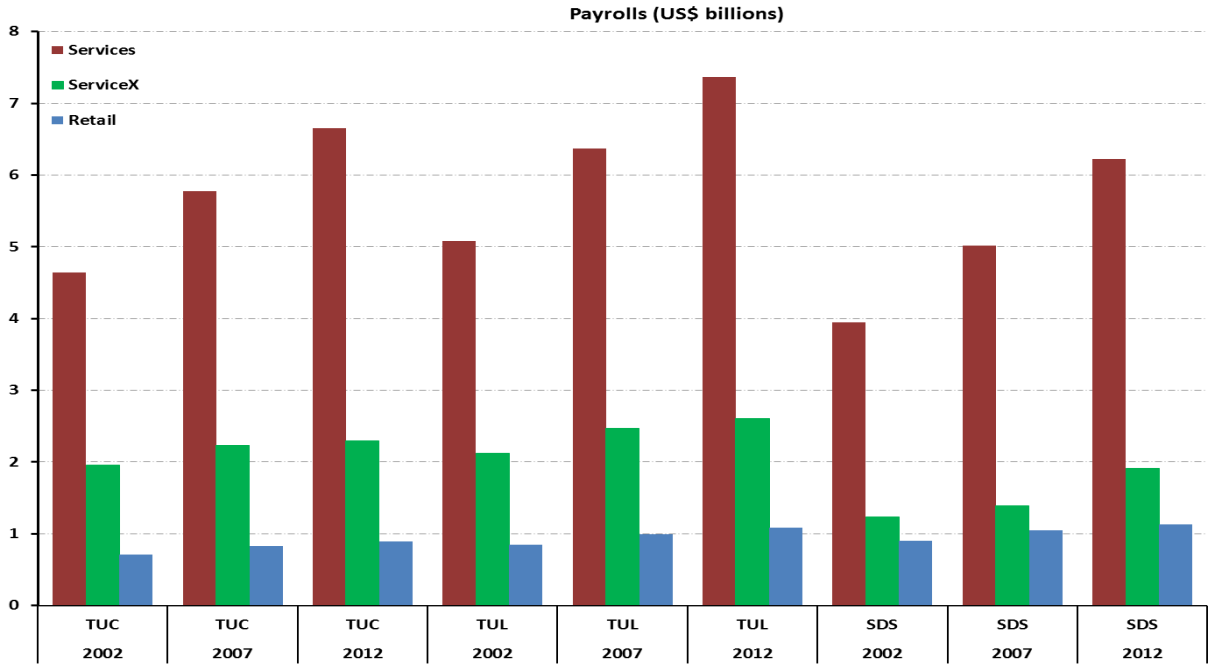
periods of 2002-2007 and 2007-2012, irrespective of locale. Given that the period of 2007-2012 spans the Great Recession of 2008 and the global financial crisis, it is quite clear that service industries' revenues manifest greatest resiliency against economic fluctuations.

To gain insight about the cost structure of these industries, we now focus on the characteristics of payrolls of these industries. As is evident in Figure 9, from 2002 to 2012, service industries have witnessed a continued growth in payrolls in Tulsa County, Tulsa MSA, and South Dakota. Interestingly though, the growth in payrolls for select service and retail industries has been much more modest. In Tulsa County, the total payrolls from all industries are $7.58B, $9.28B, and $10.40B, respectively, for 2002, 2007 and 2012. The retail industries' payrolls are $0.71B, $0.83B, and $0.89B, respectively, for 2002, 2007 and 2012. The service industries' payrolls are $4.64B, $5.78B, and $6.65B, respectively, for 2002, 2007 and 2012. Of these, select services' payrolls are $1.96B, $2.23B, and $2.30B, respectively, for 2002, 2007 and 2012. The manufacturing payrolls are $1.53B, $1.83B, and $2.00B, respectively, for 2002, 2007 and 2012. The wholesale payrolls are $0.69B, $0.84B, and $0.85B, respectively, for 2002, 2007 and 2012.

In Tulsa MSA, the total payrolls from all industries are $8.66B, $11.01B, and $12.39B, respectively, for 2002, 2007 and 2012. The retail industries' payrolls are $0.85B, $1.00B, and $1.08B, respectively, for 2002, 2007 and 2012. The service industries' payrolls are $5.08B, $6.37B, and $7.37B, respectively, for 2002, 2007 and 2012. Of these, select services' payrolls are $2.13B, $2.47B, and $2.61B, respectively, for 2002, 2007 and 2012. The manufacturing payrolls are $1.98B, $2.50B, and $2.77B, respectively, for 2002, 2007 and 2012. The wholesale payrolls are $0.75B, $1.14B, and $1.17B, respectively, for 2002, 2007 and 2012.

In South Dakota, the total payrolls from all industries are $6.98B, $9.30B, and $10.76B, respectively, for 2002, 2007 and 2012. The retail industries' payrolls are $0.90B, $1.05B, and $1.13B, respectively, for 2002, 2007 and 2012. The service industries' payrolls are $3.95B, $5.02B, and $6.22B, respectively, for 2002, 2007 and 2012. Of these, select services' payrolls are $1.24B, $1.39B, and $1.91B, respectively, for 2002, 2007 and 2012. The manufacturing payrolls are $1.10B, $1.54B, and $1.76B, respectively, for 2002, 2007 and 2012. The wholesale payrolls are $0.45, $0.62, and $0.83B, respectively, for 2002, 2007 and 2012.

Figure 9. Comparison of the Payrolls of Select Services and Non-Service Industries in Tulsa Country, Tulsa MSA, and South Dakota



This figure shows the payrolls of various industries for 2002, 2007 and 2012 in Tulsa County (TUC), Tulsa MSA (TUL), and South Dakota (SDS). The data is from Economic Census conducted and reported by the U.S. Census Bureau every five years. ServiceX refers to all service industries excluding (1) newspapers, (2) professionals and business services (e.g., lawyers, accountants), (3) financial services, (4) real estate, (5) healthcare services, (6) hospitality and food services, (7) waste management, and (8) public institutions. Service industries are those with 2-digit NAICS code of 51, 52, 53, 54, 55, 56, 61, 62, 71, 72, and 81. For detailed list of all of these industies, consult with the appendix.

Table 5 provides summary information about the census-to-census (i.e., cumulative 5-year) payrolls growth for various major industry groupings for Tulsa County, Tulsa MSA, and South Dakota. As is evident, the services industries show smallest variations across the two periods of 2002-2007 and 2007-2012, irrespective of locales. More importantly, the select services show smallest levels of payroll growths across periods, irrespective of locales.

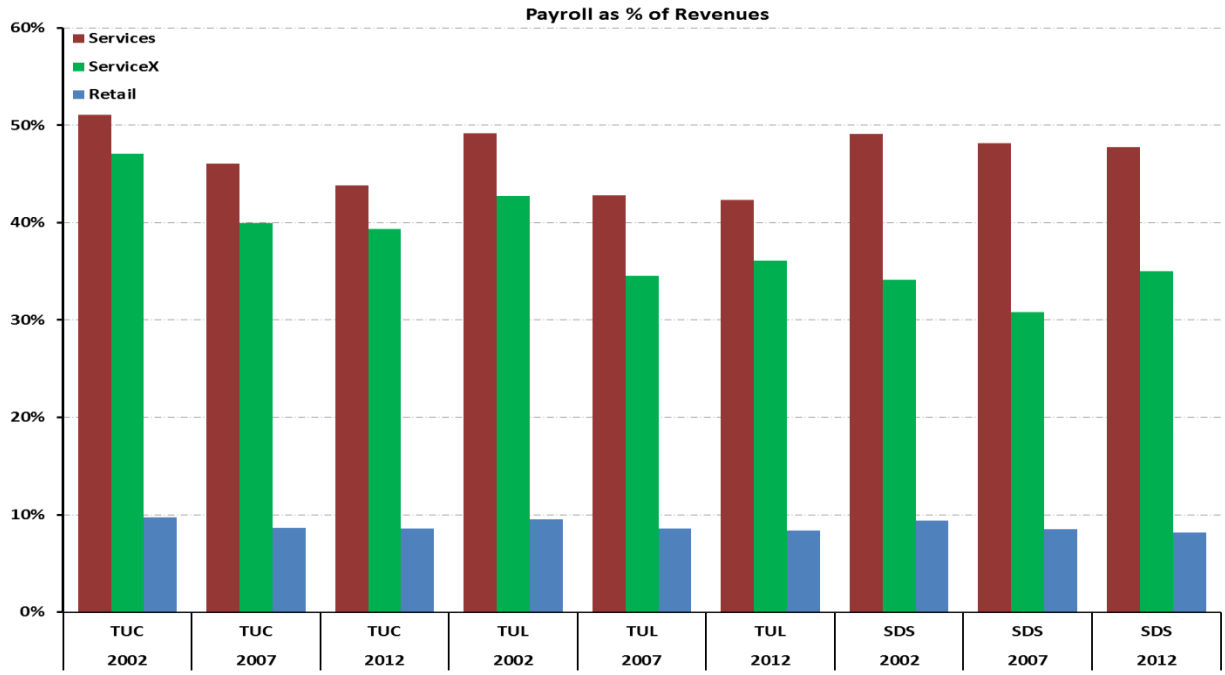
Table 5 – Payroll Growth Across Industries

This table depicts the payrolls growth sequentially between 2007 and 2002 Economic Census results and between 2012 and 2007 Economic Census results for major industry groupings.

	Tulsa County		Tulsa MSA		South Dakota	
	From 2002 To 2007	From 2007 To 2012	From 2002 To 2007	From 2007 To 2012	From 2002 To 2007	From 2007 To 2012
All Industries	**22.5%**	**12.0%**	**27.1%**	**12.6%**	**33.3%**	**15.7%**
Oil/Gas	N/A	N/A	N/A	N/A	36.2%	-6.3%
Services	24.4%	15.1%	25.4%	15.6%	27.1%	23.9%
Select Services	14.1%	3.0%	16.1%	5.7%	12.6%	37.2%
Retail	16.9%	7.8%	17.5%	8.6%	15.7%	7.8%
Wholesale	21.5%	1.9%	52.8%	2.4%	39.8%	32.8%
Manufacturing	19.9%	8.8%	26.0%	11.1%	40.3%	14.6%

Given the modest growth in both revenues and payrolls, particularly comparatively small variations across economic regimes, we are left with one more task to prove that services, especially select services, can indeed provide resilient, stable sources of tax revenues for the City of Tulsa. What we need to examine is whether the ratio of payroll-to-revenue remains large and stable over time.

Figure 10. Payroll vs. Revenues of Select Services and Non-Service Industries in Tulsa County, Tulsa MSA, and South Dakota



This figure shows the ratio of payrolls to revenues of various industries for 2002, 2007 and 2012 in Tulsa County (TUC), Tulsa MSA (TUL), and South Dakota (SDS). The data is from Economic Census conducted and reported by the U.S. Census Bureau every five years. ServiceX refers to all service industries excluding (1) newspapers, (2) professionals and business services (e.g., lawyers, accountants), (3) financial services, (4) real estate, (5) healthcare services, (6) hospitality and food services, (7) waste management, and (8) public institutions. Service industries are those with 2-digit NAICS code of 51, 52, 53, 54, 55, 56, 61, 62, 71, 72, and 81. For detailed list of all of these industies, consult with the appendix.

As is shown in Figure 10, the ratio of payroll-to-revenues is quite robust across periods and across locales. In Tulsa County, this ratio for service industries is 49.2%, 42.8%, and 42.3%, respectively, for 2002, 2007 and 2012. In Tulsa MSA, this ratio for select service industries is 42.7%, 34.6%, and 36.1%, respectively, for 2002, 2007 and 2012. In Tulsa MSA, this ratio for service industries is 51.0%, 46.1%, and 43.8%, respectively, for 2002, 2007 and 2012. In Tulsa County, this ratio for select service industries is 47.0%, 39.9%, and 39.3%, respectively, for 2002, 2007 and 2012. In South Dakota, this ratio for service industries is 49.1%, 48.1%, and 47.7%, respectively, for 2002, 2007 and 2012. In South Dakota, this ratio for select service industries is 34.2%, 30.8%, and 35.0%, respectively, for 2002, 2007

and 2012. These patterns along with previously discussed regularities confirm that services (and select services, in particular) can provide resilient, stable tax revenues streams for the City of Tulsa. What is perhaps equally important to us as forecasters is these regularities lend themselves nicely into designing an estimation methodology which can generate timely tax revenue estimates even without details industry revenues data from Economic Census. Since the census data is only available with long lags and infrequently, we feel this can be quite critical in guiding policies and planning budgets.

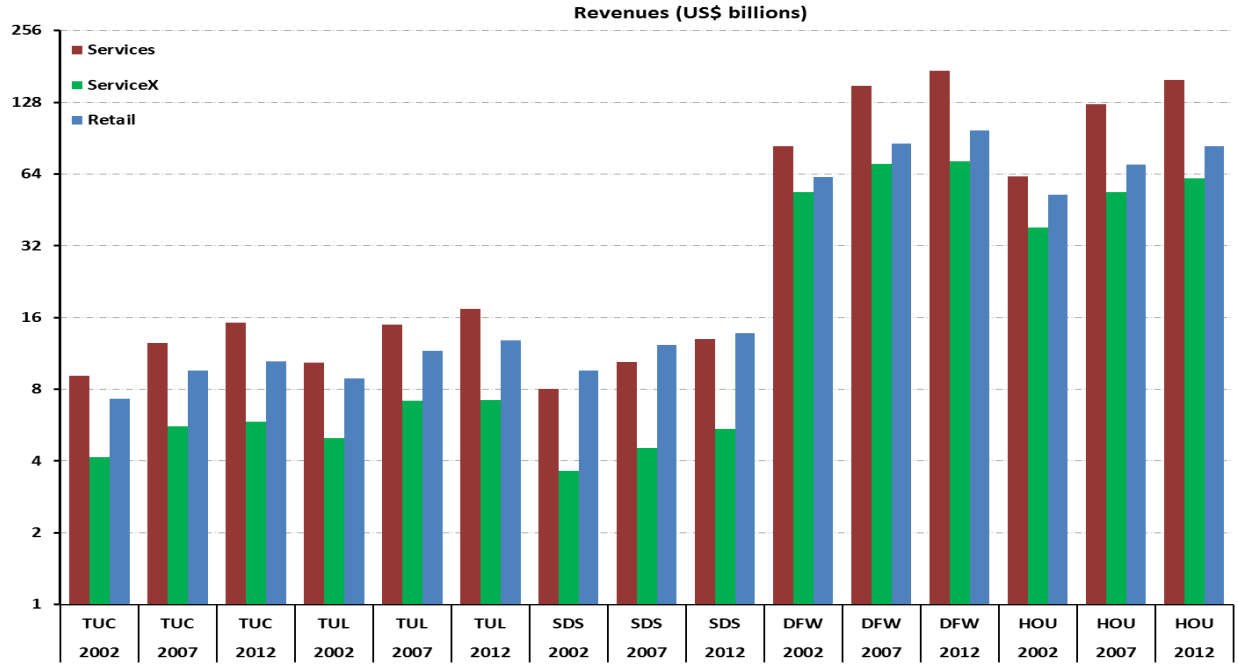
3.1.1. Broader Perspective about Revenues and Payrolls from Other Locales

Clearly our previous discussions and conclusions thereof are centered around information on Tulsa County. Our only comparable cases are Tulsa MSA and South Dakota. While comparisons with locales do cement our assertions, we are left with uneasy feeling that perhaps in a broader perspective our conclusions may not necessary remain robust. To address this concern, we turn our attention to large metropolitan areas in Oil and Gas rich locales. Per se, we consider Dallas-Forth Worth MSA and Houston MSA as alternative comparable locales. These two MSAs are much larger in size and have greater diversity of industries. While in Tulsa County, we observe data for roughly 700 industries, in Dallas-Forth Worth MSA and Houston MSA, we observe data for more than 1800 industries.

As is shown in Figure 11, in Dallas-Forth Worth MSA, the total revenues from all industries are $374.82B, $568.13B, and $649.37B, respectively, for 2002, 2007 and 2012. The retail industries' revenues are $62.30B, $85.65B, and $97.49B, respectively, for 2002, 2007 and 2012. The service industries' revenues are $83.70B, $150.46B, and $173.54B, respectively, for 2002, 2007 and 2012. Of these, select services' revenues are $53.84B, $70.74B, and $72.24B, respectively, for 2002, 2007 and 2012. The manufacturing industries' revenues are $75.46B, $104.88B, and $109.65B, respectively, for 2002, 2007 and 2012. The wholesale industries' revenues are $153.36B, $206.96B, and $268.68B, respectively, for 2002, 2007 and 2012.

In Houston MSA, the total revenues from all industries are $357.96B, $742.67B, and $1,066.52B, respectively, for 2002, 2007 and 2012. The retail industries' revenues are $52.30B, $69.98B, and $83.98B, respectively, for 2002, 2007 and 2012. The service industries' revenues are $62.54B, $125.35B, and $158.62B, respectively, for 2002, 2007 and 2012. Of these, select services' revenues are $38.04B, $53.64B, and $61.52B, respectively, for 2002, 2007 and 2012. The manufacturing industries' payrolls are $95.09B, $238.61B, and $290.26B, respectively, for 2002, 2007 and 2012. The wholesale industries' payrolls are $148.03B, $283.56B, and $533.67B, respectively, for 2002, 2007 and 2012.

Figure 11. Broader Comparison of the Revenues of Select Services and Non-Service Industries

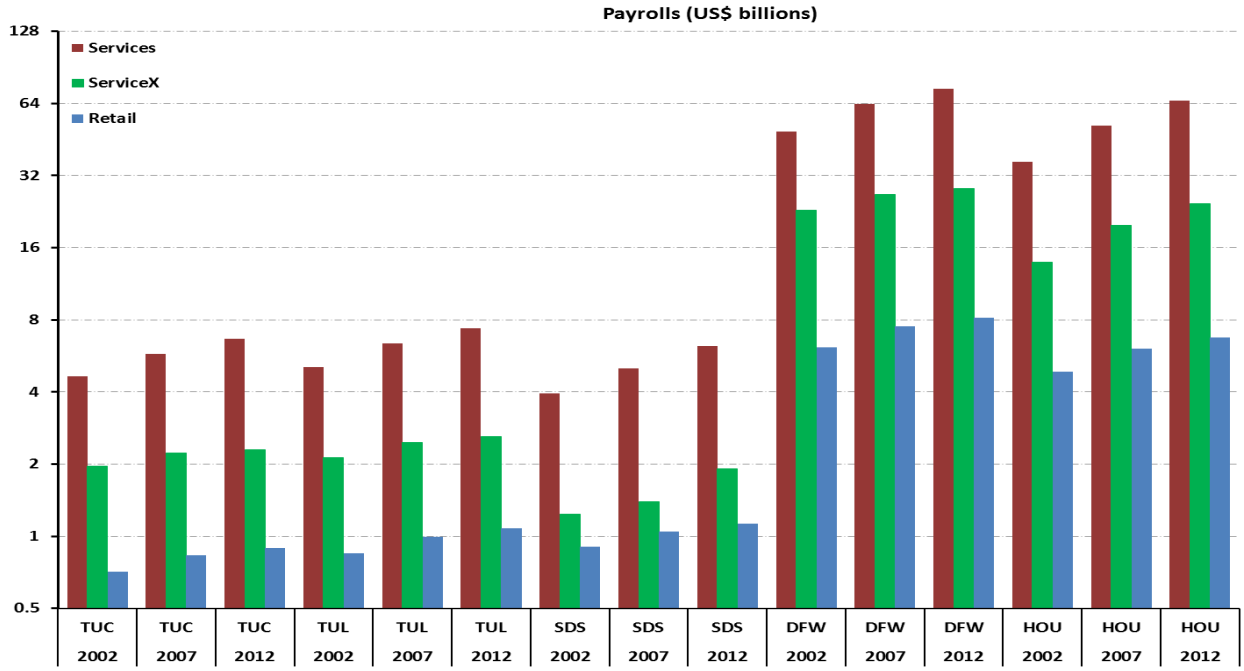


This figure shows the revenues of various industries for 2002, 2007 and 2012 in Tulsa County (TUC), Tulsa MSA (TUL), South Dakota (SDS), Dallas-ForthWorth MSA (DFW), and Houston MSA (HOU). The data is from Economic Census conducted and reported by the U.S. Census Bureau every five years. ServiceX refers to all service industries excluding (1) newspapers, (2) professionals and business services (e.g., lawyers, accountants), (3) financial services, (4) real estate, (5) healthcare services, (6) hospitality and food services, (7) waste management, and (8) public institutions. Service industries are those with 2-digit NAICS code of 51, 52, 53, 54, 55, 56, 61, 62, 71, 72, and 81. For detailed list of all of these industies, consult with the appendix.

As is shown in Figure 12, in Dallas-Forth Worth MSA, the total payrolls from all industries are $74.64B, $101.59B, and $104.87B, respectively, for 2002, 2007 and 2012. The retail industries' payrolls are $6.14B, $7.51B, and $8.16B, respectively, for 2002, 2007 and 2012. The service industries' payrolls are $48.73B, $63.50B, and $73.85B, respectively, for 2002, 2007 and 2012. Of these, select services' payrolls are $22.97B, $26.68B, and $28.31B, respectively, for 2002, 2007 and 2012. The manufacturing industries' payrolls are $11.85B, $15.17B, and $12.31B, respectively, for 2002, 2007 and 2012. The wholesale industries' payrolls are $7.91B, $9.82B, and $10.55B, respectively, for 2002, 2007 and 2012.

In Houston MSA, the total payrolls from all industries are $55.30B, $83.68B, and $96.37B, respectively, for 2002, 2007 and 2012. The retail industries' payrolls are $4.86B, $6.07B, and $6.76B, respectively, for 2002, 2007 and 2012. The service industries' payrolls are $36.43B, $51.68B, and $65.72B, respectively, for 2002, 2007 and 2012. Of these, select services' payrolls are $13.96B, $19.86B, and $24.44B, respectively, for 2002, 2007 and 2012. The manufacturing industries' payrolls are $8.72B, $12.18B, and $13.77B, respectively, for 2002, 2007 and 2012. The wholesale industries' payrolls are $5.28B, $8.34B, and $10.12B, respectively, for 2002, 2007 and 2012.

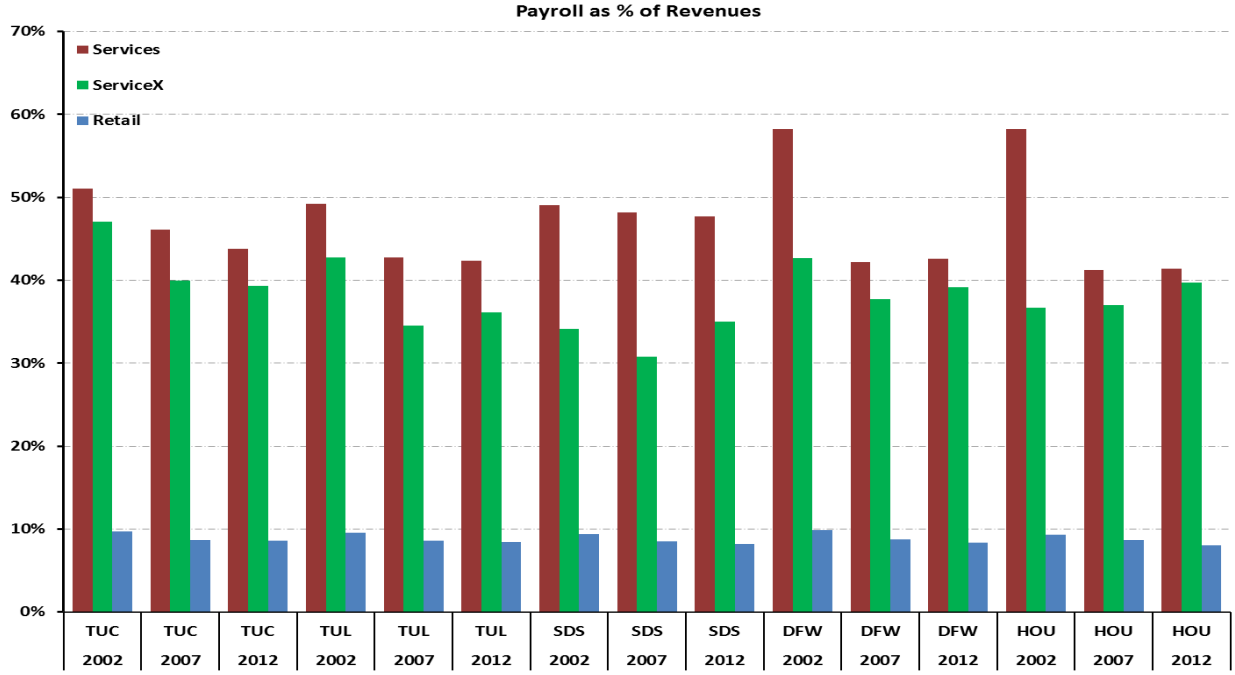
Figure 12. Broader Comparison of the Payrolls of Select Services and Non-Service Industries



This figure shows the payrolls of various industries for 2002, 2007 and 2012 in Tulsa County (TUC), Tulsa MSA (TUL), South Dakota (SDS), Dallas-ForthWorth MSA (DFW), and Houston MSA (HOU). The data is from Economic Census conducted and reported by the U.S. Census Bureau every five years. ServiceX refers to all service industries excluding (1) newspapers, (2) professionals and business services (e.g., lawyers, accountants), (3) financial services, (4) real estate, (5) healthcare services, (6) hospitality and food services, (7) waste management, and (8) public institutions. Service industries are those with 2-digit NAICS code of 51, 52, 53, 54, 55, 56, 61, 62, 71, 72, and 81. For detailed list of all of these industies, consult with the appendix.

As is shown in Figure 13, as it is the case for Tulsa County, Tulsa MSA, and South Dakota, the ratio of payroll-to-revenues is quite similar and also robust across time for Dallas-Forth Worth MSA and Houston MSA. In Dallas-Forth Worth MSA, this ratio for service industries is 58.2%, 42.2%, and 42.6%, respectively, for 2002, 2007 and 2012. In Dallas-Forth Worth MSA, this ratio for select service industries is 42.7%, 37.7%, and 39.2%, respectively, for 2002, 2007 and 2012. In Houston MSA, this ratio for service industries is 58.2%, 41.2%, and 41.4%, respectively, for 2002, 2007 and 2012. In Houston MSA, this ratio for select service industries is 36.7%, 37.0%, and 39.7%, respectively, for 2002, 2007 and 2012.

Figure 13. Broader Comparison of Payrolls vs. Revenues of Select Service and Non-Service Industries



This figure shows the ratio of payrolls to revenues of various industries for 2002, 2007 and 2012 in Tulsa County (TUC), Tulsa MSA (TUL), South Dakota (SDS), Dallas-ForthWorth MSA (DFW), and Houston MSA (HOU). The data is from Economic Census conducted and reported by the U.S. Census Bureau every five years. ServiceX refers to all service industries excluding (1) newspapers, (2) professionals and business services (e.g., lawyers, accountants), (3) financial services, (4) real estate, (5) healthcare services, (6) hospitality and food services, (7) waste management, and (8) public institutions. Service industries are those with 2-digit NAICS code of 51, 52, 53, 54, 55, 56, 61, 62, 71, 72, and 81. For detailed list of all of these industies, consult with the appendix.

Overall, the above-mentioned results show that patterns for revenues and payrolls are quite similar in other notably, sizably different locales: Dallas-Forth Worth MSA and Houston MSA. Furthermore, these confirm our original assertion that from a forecasting perspective, the stability and size of the payroll-to-revenues for the service industries across a broad set of geographies (and thus, industries) helps to generate robust, timely tax revenues estimates even without detailed revenues data from Economic Census.

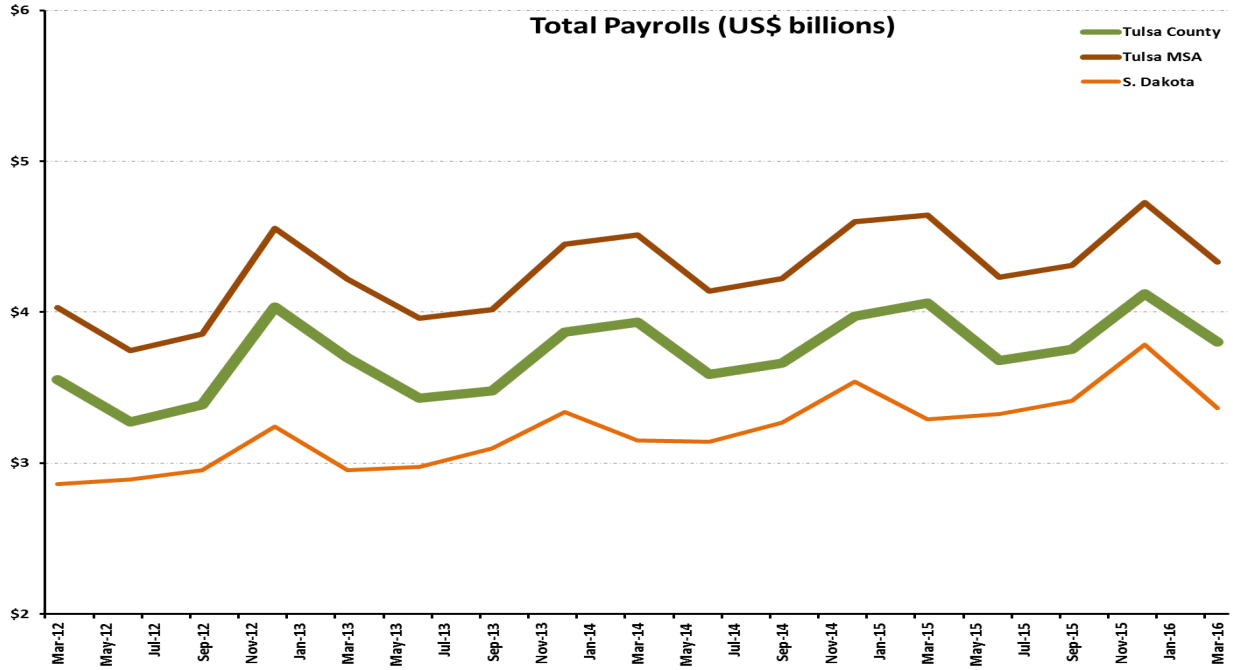
3.2. More Recent Payroll Patterns: Quarterly Census of Employment and Wages 2012-2016

As noted before, one of the great challenges of assessing the magnitude of taxes on services is the infrequency and long lags of detailed data reported in the Economic Census. The last census was conducted in 2012 but only recently (early 2016) was the complete data released for the public use. This means that the next census's results, which won't be conducted until 2017, will not be available until 2021. Clearly, there is an urgent need for accurate and timely forecasts of industry-level taxable revenues. The great difficulty is that the typical time-series forecasting techniques do not address cross-sectional nuances of the industries. Moreover, given the import of Oil and Gas industry in the overall health of the

economy in Oklahoma (and the City of Tulsa), it is less clear if prototypical time-series can address economic-regime dependencies.

To overcome these challenges, as explained before, we resort to understanding how service industries' revenues and costs change over time. What we learn is that revenues of the service industries have modest but robust (less volatile) revenue growth coupled with much more modest (and a lot less volatile) payroll growth. Moreover, the payroll accounts for the preponderance of cost, roughly close to 40% of revenues. This then leads us to assert that by observing payrolls, we can generate reliable forecasts of revenues over time. We will, of course, take into account prototypical time-series concerns (e.g., seasonality, cyclicality, etc.) in generating ultimate revenue forecasts. It is noteworthy that we see this as a more accurate method of forecasting exclusively for service industries. No other industry grouping manifests such large, stable payroll-to-revenue characteristics.

Figure 14. Quarterly Payrolls of All Industries



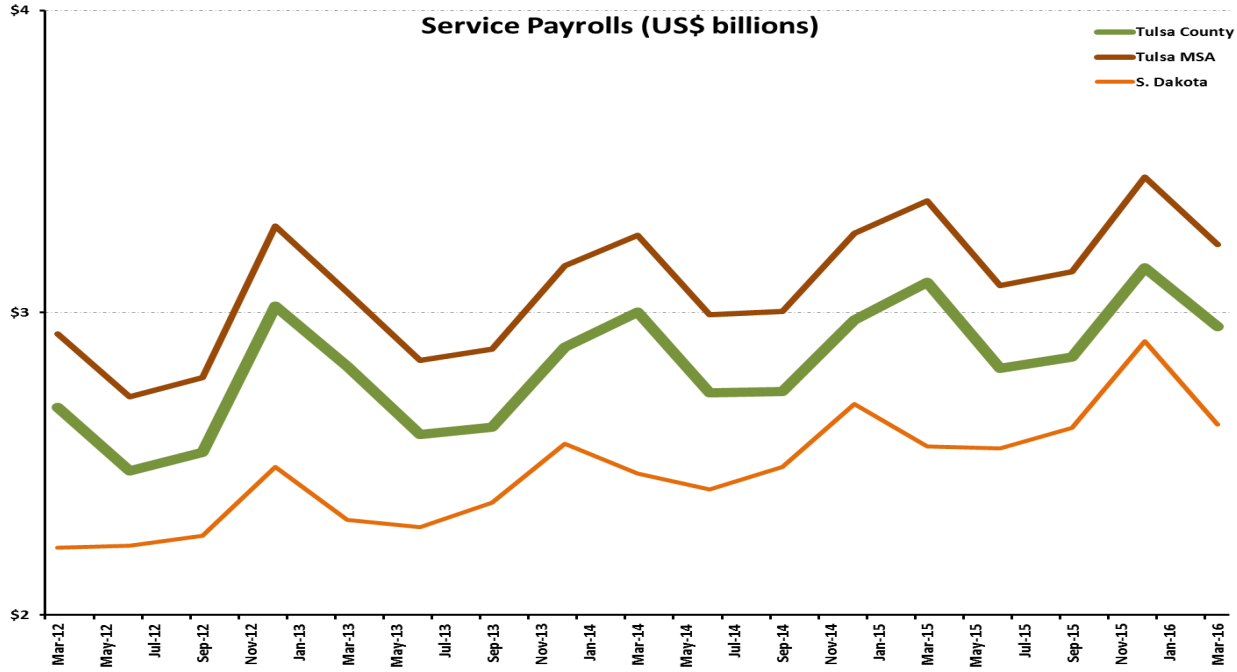
This figure shows the quarterly total payroll of all industries in Tulsa County, Tulsa MSA, and the state of South Dakota for the period of March 2012-March 2016. The data is from the Quarterly Census of Employment and Wages conducted by the U.S. Bureau of Labor Statistics.

Secondly, and in no small part, we are also motivated to employ the aforementioned forecasting technique because payroll data is available with much greater frequency and recency. The U.S. Bureau of Labor Statistics reports the Quarterly Census of Employment and Wages with only one quarter lag. The data basically covers almost all industries which Economic Census covers. While there are subtle differences in how payrolls are defined, for most part, the definitions of payrolls are also the same. In essence, from the last Economic

Census, we have quite an accurate picture about the payrolls. As such, before we delve into the forecasting of revenues, we overview general patterns of payrolls for the service industries. As before, we focus on Tulsa County but have other locales in mind as well.

As is shown in Figure 14, the payrolls of all industries in Tulsa County, Tulsa MSA, and South Dakota, respectively, have been growing year-on-year at average rates of 2.47%, 2.73%, and 4.74% since March 2012. There are distinct seasonal patterns. A simple regression (time-trend only) of the payrolls without any seasonality has adjusted R^2 of 27.45%, 32.77%, and 67.52%, respectively for Tulsa County, Tulsa MSA, and South Dakota. By incorporating seasonality, the adjusted R^2 rises to 80.91%, 81.02%, and 97.15%, respectively for Tulsa County, Tulsa MSA, and South Dakota.

Figure 15. Quarterly Payrolls of Services Industries



This figure shows the quarterly total payroll of service industries in Tulsa County, Tulsa MSA, and the state of South Dakota for the period of March 2012-March 2016. The data is from the Quarterly Census of Employment and Wages conducted by the U.S. Bureau of Labor Statistics.

As is shown in Figure 15, the payrolls of service industries in Tulsa County, Tulsa MSA, and South Dakota, respectively, have been growing year-on-year at average rates of 3.04%, 3.09%, and 4.76% since March 2012. There are distinct seasonal patterns. A simple regression (time-trend only) of the payrolls without any seasonality has adjusted R^2 of 35.37%, 39.29%, and 70.95%, respectively for Tulsa County, Tulsa MSA, and South Dakota. By incorporating seasonality, the adjusted R^2 rises to 83.29%, 84.96%, and 97.11%, respectively for Tulsa County, Tulsa MSA, and South Dakota. Combined results of Figures 14 and 15 underlie the resilience of the service industries' payroll pattern over time.

Moreover, the fact that basic time-series regularities of payrolls can explain the majority of variations over time affirms the superiority of the payrolls as the best basis for forecasting service industries' revenues. Table 6 reports the quarterly payrolls for all industries and for service industries. Tables 7 and 8, respectively, report the year-on-year and quarter-on-quarter growth in payrolls of all industries and service industries.

Table 6 –Payrolls (US$ billions)

	Tulsa County		Tulsa MSA		South Dakota	
	All Industries	Service Industries	All Industries	Service Industries	All Industries	Service Industries
2016Q1	$3.801	$2.954	$4.330	$3.226	$3.364	$2.629
2015Q4	$4.123	$3.148	$4.724	$3.448	$3.785	$2.906
2015Q3	$3.755	$2.854	$4.311	$3.136	$3.414	$2.618
2015Q2	$3.682	$2.817	$4.234	$3.089	$3.326	$2.551
2015Q1	$4.062	$3.101	$4.644	$3.370	$3.292	$2.557
2014Q4	$3.974	$2.976	$4.598	$3.262	$3.538	$2.697
2014Q3	$3.663	$2.739	$4.225	$3.005	$3.267	$2.490
2014Q2	$3.588	$2.735	$4.140	$2.993	$3.142	$2.414
2014Q1	$3.932	$3.002	$4.510	$3.256	$3.152	$2.469
2013Q4	$3.868	$2.887	$4.449	$3.155	$3.338	$2.565
2013Q3	$3.479	$2.621	$4.018	$2.879	$3.096	$2.372
2013Q2	$3.431	$2.596	$3.959	$2.842	$2.973	$2.290
2013Q1	$3.697	$2.823	$4.217	$3.068	$2.954	$2.315
2012Q4	$4.035	$3.022	$4.556	$3.287	$3.243	$2.489
2012Q3	$3.388	$2.538	$3.857	$2.786	$2.955	$2.263
2012Q2	$3.274	$2.476	$3.745	$2.722	$2.893	$2.230
2012Q1	$3.555	$2.686	$4.030	$2.930	$2.859	$2.223

Table 7 –Payroll Quarter-on-Quarter Growth

	Tulsa County		Tulsa MSA		South Dakota	
	All Industries	Service Industries	All Industries	Service Industries	All Industries	Service Industries
Average for 2012Q1-2016Q1	**0.75%**	**0.91%**	**0.75%**	**0.89%**	**1.23%**	**1.22%**
2016Q1 to 2015Q4	-7.80%	-6.18%	-8.34%	-6.42%	-11.14%	-9.52%
2015Q4 to 2015Q3	9.80%	10.31%	9.59%	9.95%	10.88%	10.99%
2015Q3 to 2015Q2	1.98%	1.31%	1.83%	1.50%	2.64%	2.60%
2015Q2 to 2015Q1	-9.36%	-9.16%	-8.84%	-8.32%	1.04%	-0.21%
2015Q1 to 2014Q4	2.21%	4.20%	1.01%	3.31%	-6.97%	-5.18%
2014Q4 to 2014Q3	8.48%	8.64%	8.84%	8.54%	8.29%	8.30%
2014Q3 to 2014Q2	2.10%	0.17%	2.04%	0.39%	4.01%	3.13%
2014Q2 to 2014Q1	-8.75%	-8.90%	-8.20%	-8.06%	-0.33%	-2.19%
2014Q1 to 2013Q4	1.66%	3.99%	1.35%	3.18%	-5.58%	-3.77%
2013Q4 to 2013Q3	11.18%	10.12%	10.73%	9.59%	7.85%	8.14%
2013Q3 to 2013Q2	1.40%	0.98%	1.50%	1.29%	4.12%	3.57%
2013Q2 to 2013Q1	-7.20%	-8.03%	-6.12%	-7.36%	0.65%	-1.08%
2013Q1 to 2012Q4	-8.36%	-6.61%	-7.45%	-6.65%	-8.92%	-6.99%
2012Q4 to 2012Q3	19.11%	19.08%	18.14%	17.98%	9.75%	10.01%
2012Q3 to 2012Q2	3.47%	2.50%	2.98%	2.35%	2.16%	1.49%
2012Q2 to 2012Q1	-7.90%	-7.82%	-7.07%	-7.09%	1.17%	0.29%

As is evident in Table 8, the year-on-year growths show sharp 6.42% and 6.76% declines for all industries' payrolls as of recently in Tulsa County and Tulsa MSA, respectively. The

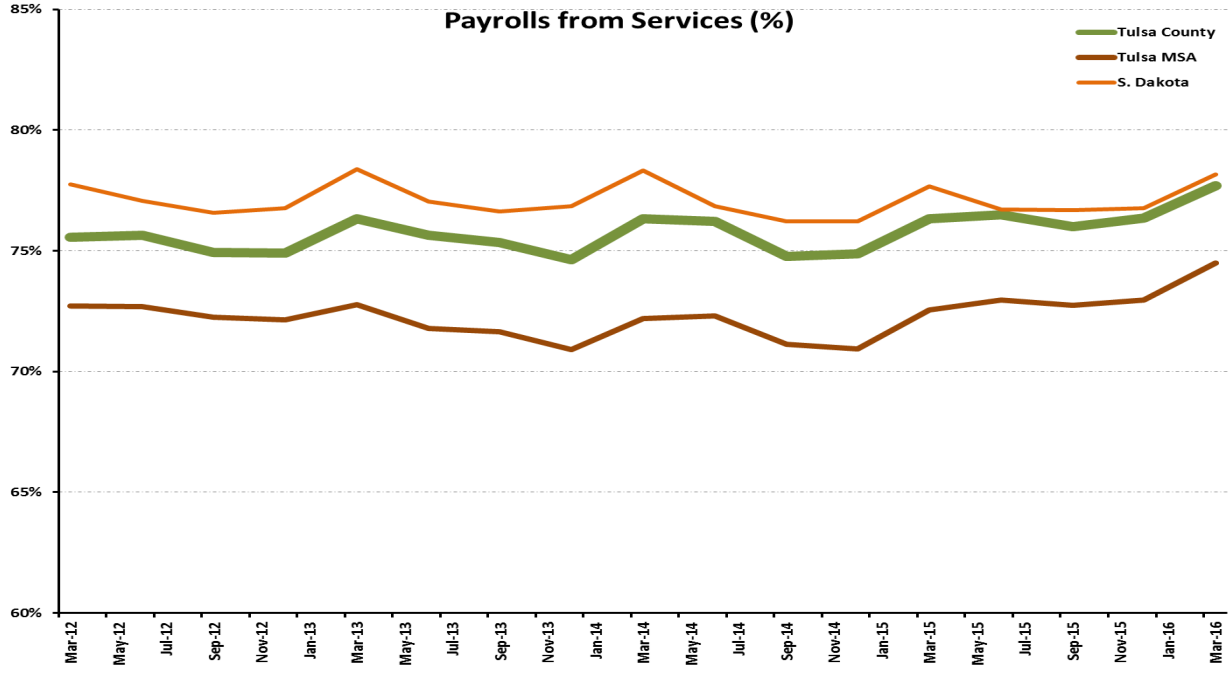
year-on-year growths show somewhat slower declines of 4.26% and 4.75% for service industries' payrolls as of recently in Tulsa County and Tulsa MSA, respectively. While South Dakota does not show declines in payrolls, the most recent quarter results show much smaller growth—almost one half of average growth—than previous quarters.

Table 8 –Payroll Year-on-Year Growth

	Tulsa County		Tulsa MSA		South Dakota	
	All Industries	Service Industries	All Industries	Service Industries	All Industries	Service Industries
Average for 2012Q1-2016Q1	**2.47%**	**3.04%**	**2.73%**	**3.09%**	**4.74%**	**4.76%**
2016Q1 to 2015Q4	-6.42%	-4.75%	-6.76%	-4.26%	2.19%	2.82%
2015Q4 to 2015Q3	3.74%	5.79%	2.75%	5.70%	6.98%	7.75%
2015Q3 to 2015Q2	2.50%	4.19%	2.04%	4.35%	4.48%	5.13%
2015Q2 to 2015Q1	2.61%	3.01%	2.26%	3.21%	5.87%	5.67%
2015Q1 to 2014Q4	3.30%	3.30%	2.99%	3.50%	4.43%	3.58%
2014Q4 to 2014Q3	2.74%	3.09%	3.34%	3.37%	5.99%	5.12%
2014Q3 to 2014Q2	5.29%	4.49%	5.14%	4.37%	5.55%	4.97%
2014Q2 to 2014Q1	4.57%	5.34%	4.57%	5.31%	5.67%	5.42%
2014Q1 to 2013Q4	6.35%	6.35%	6.94%	6.11%	6.71%	6.62%
2013Q4 to 2013Q3	-4.13%	-4.50%	-2.34%	-4.00%	2.94%	3.05%
2013Q3 to 2013Q2	2.71%	3.28%	4.19%	3.35%	4.76%	4.83%
2013Q2 to 2013Q1	4.80%	4.83%	5.72%	4.43%	2.78%	2.73%
2013Q1 to 2012Q4	4.01%	5.07%	4.65%	4.72%	3.31%	4.14%

Figure 16 shows the ratio of service industries' payrolls to all industries' payrolls.

Figure 16. The Ratio Payrolls of Services to All Industries



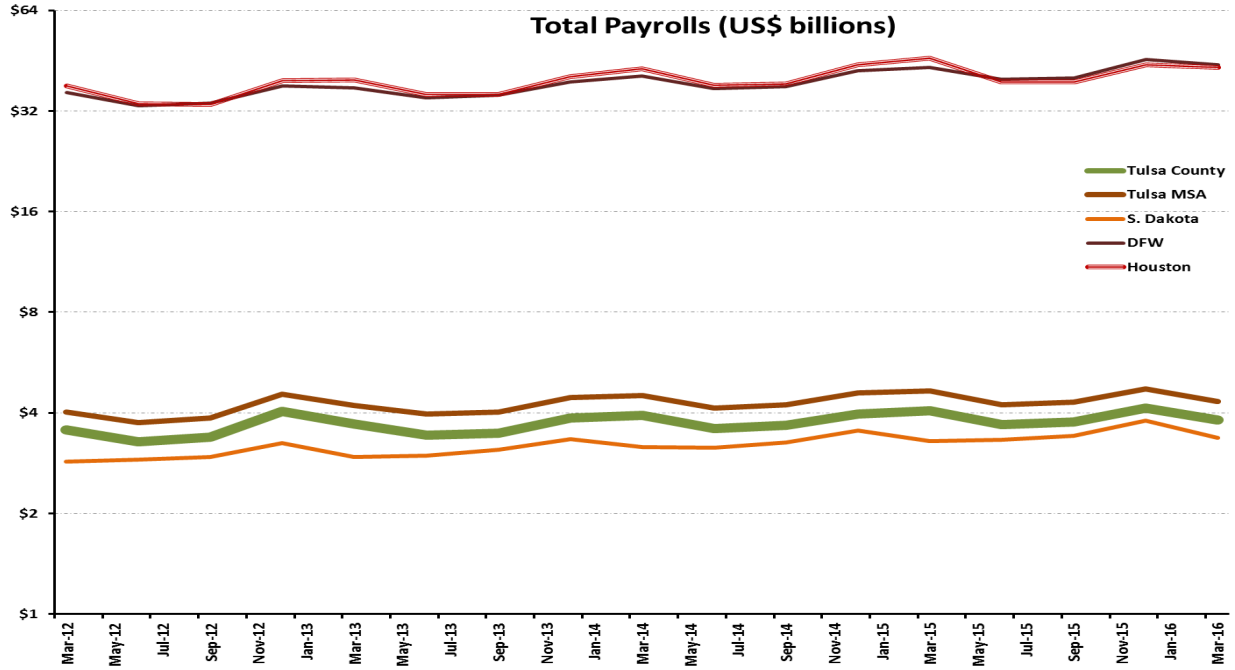
This figure shows the percentage of payroll of service industries in the total payroll of all industries in Tulsa County, Tulsa MSA, and the state of South Dakota for the period of March 2012-March 2016. The data is from the Quarterly Census of Employment and Wages conducted by the U.S. Bureau of Labor Statistics.

It is noteworthy that service industries account for majority of total payrolls. For Tulsa County, the service payroll accounts for more than 75% of total payrolls. This percentage, however, has been rising steadily in the past six quarters; approaching 78% in the most recent quarter. For Tulsa MSA, the service payroll accounts for more than 70% of total payrolls. This percentage also has been rising steadily in the past six quarters; approaching 75% in the most recent quarter. For South Dakota, the service payroll accounts for more than 76% of total payrolls. This percentage, again, has been rising steadily in the past six quarters; approaching 78% in the most recent quarter. These results, along with previously discussed time-series regularities of payrolls for service industries, reaffirm our earlier contention that by using payrolls, we can yield the most reliable forecasts of service industries' revenues.

3.2.1. Broader Perspective about Most Recent Payrolls from Other Locales

As noted before, one concern of our analysis is the focus on Tulsa County and using only Tulsa MSA and South Dakota as comparable locales. To mitigate this, as before, we also consider Dallas-Forth Worth MSA and Houston MSA as alternative comparable locales. Interestingly, despite material differences in the sheer dollar size of payrolls in these areas, the time-series patters of payrolls shows great similarities.

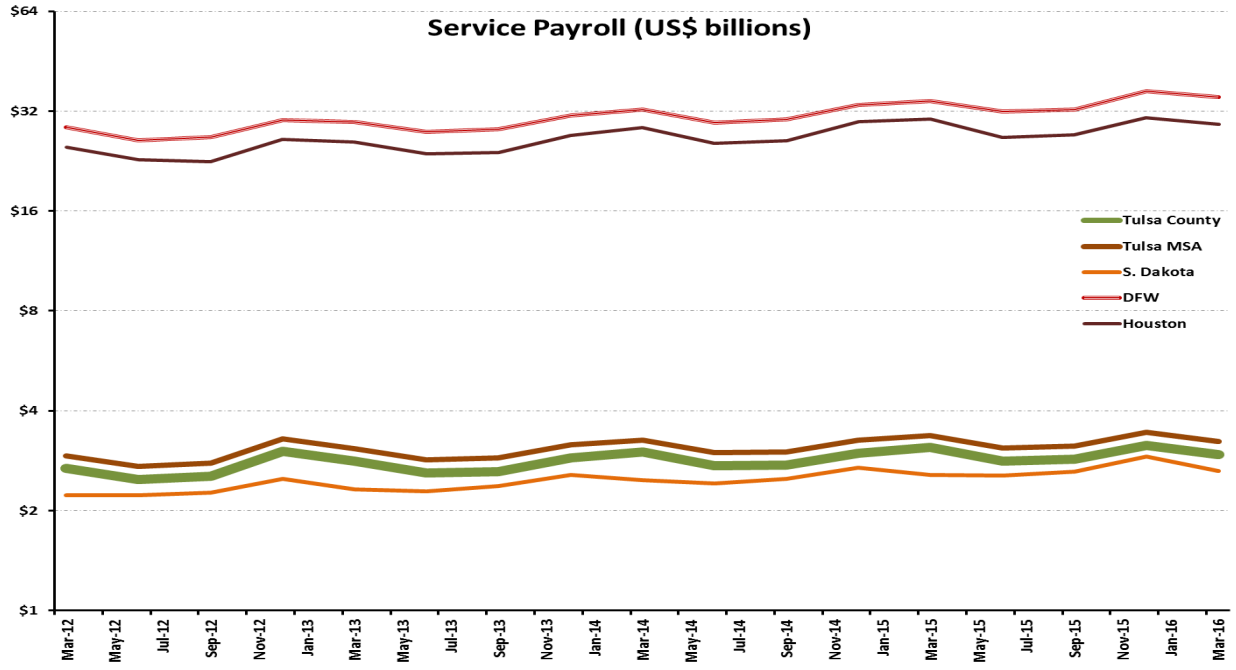
Figure 17. Quarterly Payrolls of All Industries Across Multiple Locales



This figure shows the quarterly total payroll of all industries in Tulsa County, Tulsa MSA, Dallas-Forth Worth MSA, Houston MSA, and the states of Oklahoma and South Dakota for the period of March 2012-March 2016. The data is from the Quarterly Census of Employment and Wages conducted by the U.S. Bureau of Labor Statistics.

As is shown in Figure 17, the payrolls of all industries in Dallas-Forth Worth MSA, and Houston MSA, respectively, have been growing year-on-year at average rates of 5.81%, and 4.37% since March 2012. There are distinct seasonal patterns. A simple regression (time-trend only) of the payrolls has adjusted R^2 of 68.91%, and 42.80%, respectively for Dallas-Forth Worth MSA, and Houston MSA. By incorporating seasonality, the adjusted R^2 rises to 97.13%, and 90.10%, respectively for Dallas-Forth Worth MSA, and Houston MSA.

Figure 18. Quarterly Payrolls of Select Services Industries Across Multiple Locales

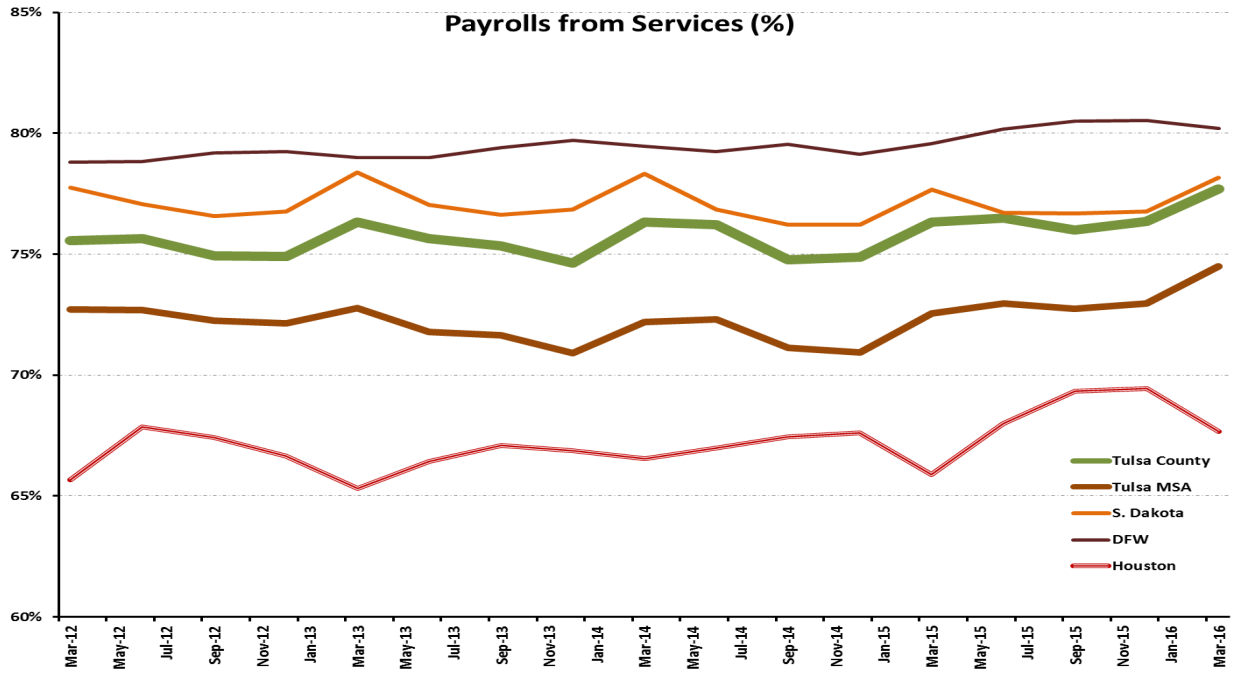


This figure shows the quarterly payroll of service industries in Tulsa County, Tulsa MSA, Dallas-Forth Worth MSA, Houston MSA, and the states of Oklahoma and South Dakota for the period of March 2012-March 2016. The data is from the Quarterly Census of Employment and Wages conducted by the U.S. Bureau of Labor Statistics.

As is shown in Figure 18, the payrolls of service industries in Dallas-Forth Worth MSA, and Houston MSA, respectively, have been growing year-on-year at average rates of 6.37%, and 5.16% since March 2012. There are distinct seasonal patterns. A simple regression (time-trend only) of the payrolls has adjusted R^2 of 72.14%, and, 56.50%, respectively for Dallas-Forth Worth MSA, and Houston MSA. By incorporating seasonality, the adjusted R^2 rises to 96.99%, and 93.23%, respectively for Dallas-Forth Worth MSA, and Houston MSA.

As before, we are keenly interested in the contribution of service industries' payroll to the total payroll. As Figure 19 shows, the payrolls for services account for a large part of total payroll costs. The lowest across all locales seem to be Houston MSA with services' payrolls of about 65%-70% of the total payrolls. The highest across all locales seem to be Dallas-Forth Worth MSA with services' payrolls of about 80% of the total payrolls. Unlike Tulsa County, both of these locales seem to witness a decrease in the service payrolls' share in the overall payrolls. Nonetheless, as before, the evidence underlies the significance of payrolls (i.e., the cost of human capital) as a main economic driver of service industries' revenues.

Figure 19. The Ratio Payrolls of Select Services to All Industries Across Multiple Locales



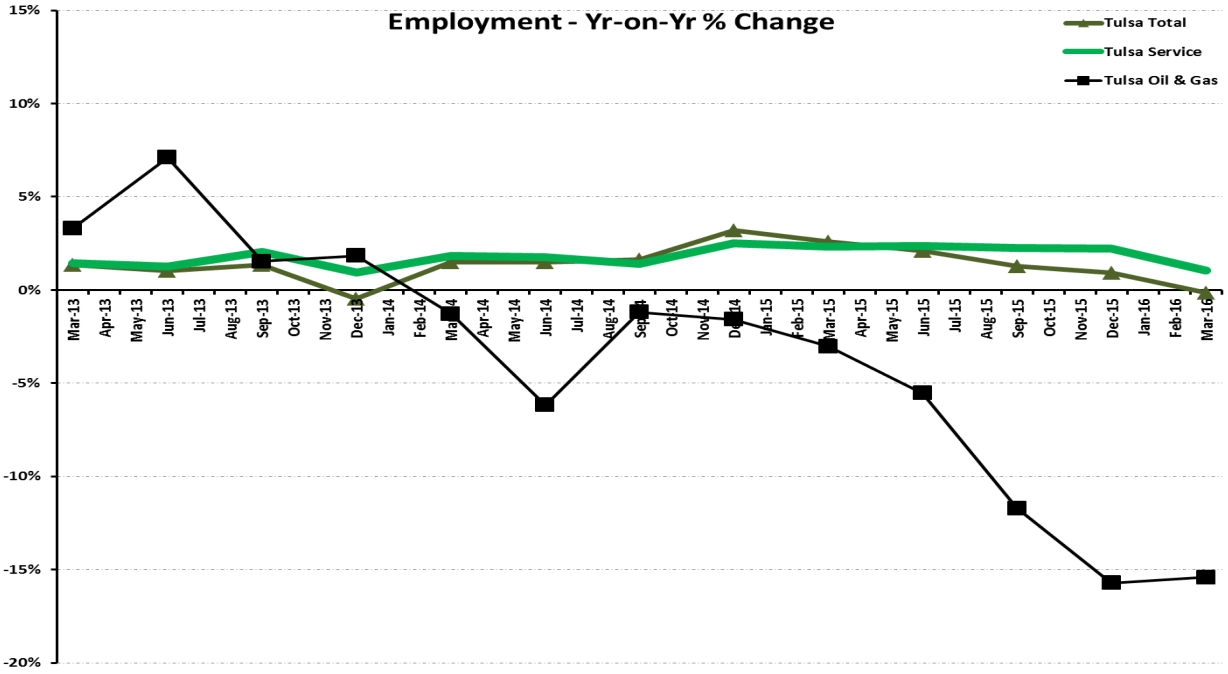
This figure shows the percentage of payroll of service industries in the total payroll of all industries in Tulsa County, Tulsa MSA, Dallas-Forth Worth MSA, Houston MSA, and the states of Oklahoma and South Dakota for the period of March 2012-March 2016. The data is from the Quarterly Census of Employment and Wages conducted by the U.S. Bureau of Labor Statistics.

3.3. Cross-Industry Comparisons for Tulsa County

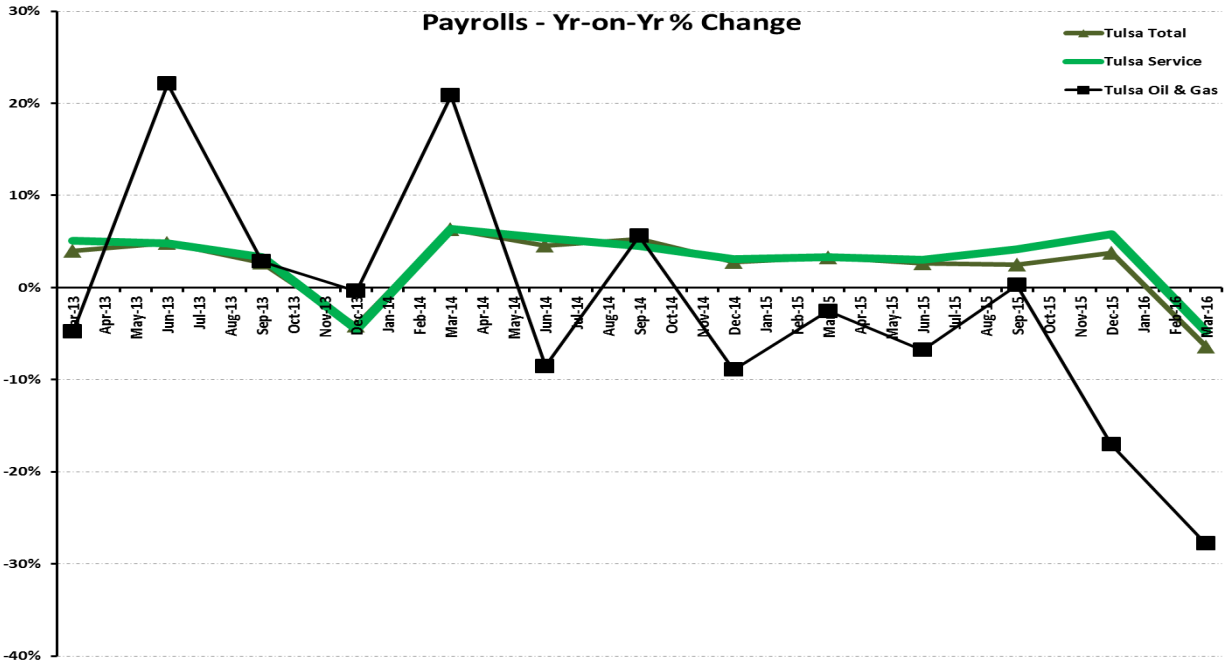
As we noted before, one of the main reasons for choosing payrolls as a basis for forecasting revenues is their time-series stability. To ensure this contention holds true particularly for Tulsa County, we also examine the time-series patterns of year-on-year changes in payrolls (for which seasonality is already accounted). As is shown in Figure 20, the average year-on-year change in service payrolls of 3.04% is statistically indifferent from the average year-on-year change in total payrolls of 2.47% (one-tail p-value of 0.3974). However, the average year-on-year change in oil and gas payrolls of –1.93% is statistically different from that of services' (one-tail p-value of 0.0839).

Figure 20. Comparison of the Year-on-Year Changes in Employment and Payrolls of Select Service and Non-Service Industries in Tulsa County

Panel A. Employment



Panel B. Payrolls



This figure shows the year-on-year quarterly changes in employment and payrolls of all industries, select services, and Oil and Gas indudstry in Tulsa County for the period of December 2012-March 2016. The data is from the Quarterly Census of Employment and Wages conducted by the U.S. Bureau of Labor Statistics.

As is evident in Figure 20, the majority of negative average year-on-year change in Oil and Gas payrolls is due to drastic loss of employment since beginning 2015. This, of course, follows the crude oil prices dramatic fall from the peak of $107 per barrel in June 2014.

4. Revenues Estimates for Select Services

4.1. Estimation Methodology

As noted, we first employ the reported revenues and payrolls data from Economic Census (2002, 2007 and 2012) to first form an opinion about patterns of payroll-to-revenue ratios for all service industries. We then use these ratios to ascertain how they changed over time for each industry. What matters greatly to us from conducting this exercise are: (1) how to fill the gap for missing data (e.g., missing revenues and/or missing payrolls), and (2) how to construct reliable benchmark for time-series patterns (e.g., economic cyclicality).

To deal with missing data, we utilize both coding as well as ultimately visually examining the data. In simplest form, missing ratios can be replaced with (a) closest industry (higher or lower level) ratios, and/or (b) previous censuses ratios. This is not, however, always possible in that the missing data can persist over time and can afflict adjacent industries. Ultimately, we visually examine the data after basic coded correction is applied. Using best available information (over time and across industries), we then manually fill the gaps that cannot be easily coded away. The manner in which the information about time-series patterns are incorporated is explained later when we discuss how our estimates are generated.

Having established the benchmark payroll-to-revenue ratios, we use (the more frequent) payroll data from the Quarterly Census of Employment and Wages to then estimate the total industry-level revenues during the period of 2012Q1-2016Q1. To do so, we essentially make eight major sets of assumptions which lead to eighteen estimates of revenues. Appendix B explains each method and then reports the results for all service industries. For instance, in method 1, we first compute the revenues-to-payroll ratios from 2002, 2007, and 2012 Economic Census' for Tulsa County only. We then use these ratios to estimate revenues from the payrolls from the Quarterly Census of Employment and Wages. To generate 75%ile confidence bounds for our estimates, we then add (subtract) one standard deviation to (from) these ratios and repeat the procedure. This method generates one median estimate and two upper/lower estimates.

In method 2, again, we first compute the revenues-to-payroll ratios from 2002, 2007, and 2012 Economic Census' for Tulsa County only. But then, using the only overlapping year, 2012, we incorporate quarterly seasonal patterns of payrolls (from the Quarterly Census of Employment and Wages) to adjust the revenues-to-payroll ratios. We then use these new seasonally corrected revenues-to-payroll ratios to estimate revenues from the quarterly payrolls. To generate 75%ile confidence bounds, we then add (subtract) one standard

deviation to (from) these ratios and repeat the procedure. This method generates one median estimate and two upper/lower estimates.

The aforementioned generate 18 distinct estimates of service industries revenues for the period of 2012Q1-2016Q1. To assess the city of Tulsa's service tax revenues, we then need to find out the share of the City's from these service industries' revenues. To do so, as is shown in Table 6 and 7, we first examine how current sales taxes of the City of Tulsa compare to those of the Tulsa County. As is evident, we can conservatively say that the City Tulsa can account for 70% of the Tulsa County service industries' revenues. Using this 70%, we adjust all the previously estimated service industries' revenues.

Table 6 –Sales Tax for the City of Tulsa vs. Tulsa County

This table depicts the aggregated sales tax (US$) for the years 2012, 2013, 2014, and 2015 for Tulsa (in Tulsa, Osage, and Wagoner counties) versus Tulsa County. The percentage (out of Tulsa County taxes) are also reported. The data is from Oklahoma Tax Commission.

	2012 Sales Tax	**2013 Sales Tax**	**2014 Sales Tax**	**2015 Sales Tax**
Tulsa (TULSA)	$121,811,011.02	$116,633,622.09	$243,542,661.15	$244,367,481.36
Tulsa (OSAGE)	$6,413,922.80	$4,742,359.20	$6,055,777.82	$5,160,215.45
Tulsa (WAGONER)	$6,032,437.00	$722,471.93	$319,200.00	$495,682.09
TULSA COUNTY	$164,628,129.20	$158,792,275.13	$348,368,614.38	$353,253,109.17
%Tulsa (TULSA)	73.99%	73.45%	69.91%	69.18%
%Tulsa (OSAGE)	3.90%	2.99%	1.74%	1.46%
%Tulsa (WAGONER)	3.66%	0.45%	0.09%	0.14%
%Tulsa (ALL)	81.55%	76.89%	71.74%	70.78%

Table 7 –Use Tax for the City of Tulsa vs. Tulsa County

This table depicts the aggregated use tax (US$) for the years 2012, 2013, 2014, and 2015 for Tulsa (in Tulsa, Osage, and Wagoner counties) versus Tulsa County. The percentage (out of Tulsa County taxes) are also reported. The data is from Oklahoma Tax Commission.

	2012 Sales Tax	**2013 Sales Tax**	**2014 Sales Tax**	**2015 Sales Tax**
Tulsa (TULSA)	$421,055,073.42	$426,917,546.29	$477,596,710.74	$447,818,551.43
Tulsa (OSAGE)	$35,207,445.04	$27,744,272.91	$16,881,666.21	$13,883,079.73
Tulsa (WAGONER)	$30,267,560.60	$24,099,983.64	$18,108,706.13	$20,442,531.29
TULSA COUNTY	$508,989,851.91	$517,238,627.54	$579,093,345.88	$563,293,766.32
%Tulsa (TULSA)	82.72%	82.54%	82.47%	79.50%
%Tulsa (OSAGE)	6.92%	5.36%	2.92%	2.46%
%Tulsa (WAGONER)	5.95%	4.66%	3.13%	3.63%
%Tulsa (ALL)	95.59%	92.56%	88.52%	85.59%

4.3. Revenues for Select Services' Industries

Table 8 reports the summary statistics of the estimated annual select and non-select industries' revenues for the City of Tulsa for the years 2012, 2013, 2014, and, 2015. As is evident, the average estimated revenues from select services are, respectively, $2,929,791,915, $2,973,075,400, $ 3,121,337,507, and $3,237,211,457 for the years 2012, 2013, 2014, and, 2015. This implies that for every percentage sales taxes, the City of Tulsa could have expected additional revenues of $29,297,919.15, $29,730,754.00, $31,213,375.07, and $32,372,114.57, respectively. At the prototypical 2% rate, then the City of Tulsa could have expected additional revenues of $58,595,838.29, $59,461,508.00, $62,426,750.13, and $64,744,229.13, respectively.

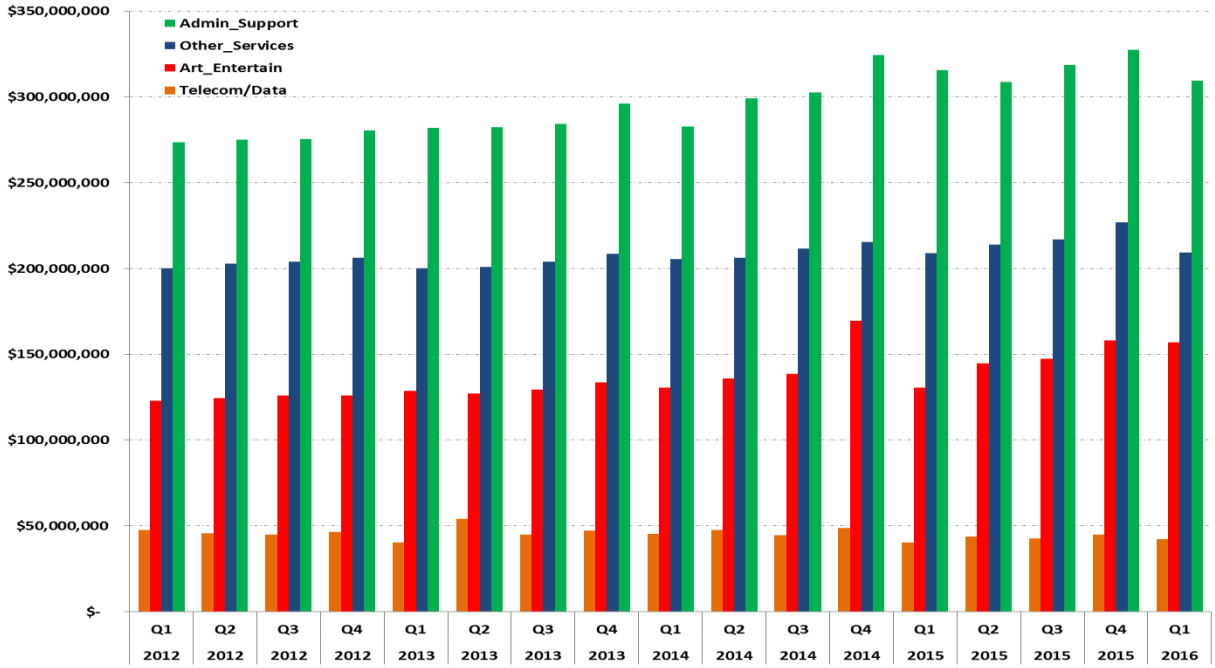
Table 8 – Summary Statistics of Service Industries' Estimated Revenues and Possible Commensurate Service Taxes

This table reports the average, lower bound (of 75%ile of confidence) and upper bound (of 75%ile of confidence) the estimated revenues of select and non-select service industries for the years 2012, 2013, 2014, and 2015 for the City of Tulsa.

	2012	2013	2014	2015
Select Services				
Average	**$ 2,929,791,915**	**$ 2,973,075,400**	**$ 3,121,337,507**	**$ 3,237,211,457**
Upper Bound	$ 3,465,215,744	$ 3,501,936,765	$ 3,677,447,585	$ 3,816,120,596
Lowe Bound	$ 2,456,478,145	$ 2,503,225,461	$ 2,630,372,359	$ 2,719,022,430
Non-Select Services				
Average	$ 9,298,909,208	$ 9,375,533,009	$ 9,778,933,635	$ 10,221,516,240
Upper Bound	$ 10,661,949,107	$ 10,647,641,250	$ 11,106,358,334	$ 11,595,242,935
Lowe Bound	$ 7,946,809,153	$ 8,049,073,694	$ 8,393,451,781	$ 8,790,137,582
Sales tax rate = 1%	$ 29,297,919.15	$ 29,730,754.00	$ 31,213,375.07	$ 32,372,114.57
Sales tax rate = 2%	$ 58,595,838.29	$ 59,461,508.00	$ 62,426,750.13	$ 64,744,229.13

The quarter-by-quarter results of our service industries' revenue estimates are depicted in Figures 21 and 22. Figure 21 shows the results for the largest select industries: (1) Administrative Support (e.g., office administrator, temporary help, call centers, private mail, collection agencies, travel agencies, security and armored cars, private investigation, janitorial, carpet cleaning, landscaping, locksmiths, exterminators), (2) Other Services (e.g., automotive repair, auto-glass repair, auto-body shops, computer and office machine repair, barber shops, beauty salons, death care and funeral homes, dry-cleaning, pet-care, carwashes), (3) Arts and Entertainments (e.g., performing arts centers, spectator sports, agents and managers of public figures, golf courses, amusement parks, gambling, museums, marinas, fitness facilities, bowling centers, zoos), and (4) Telecom and Data (e.g., wireless carriers, telecom resellers, data processing, web-hosting, internet publishing, web-search).

Figure 21. Average Estimated Revenues for Major Select Services Industries in the City of Tulsa



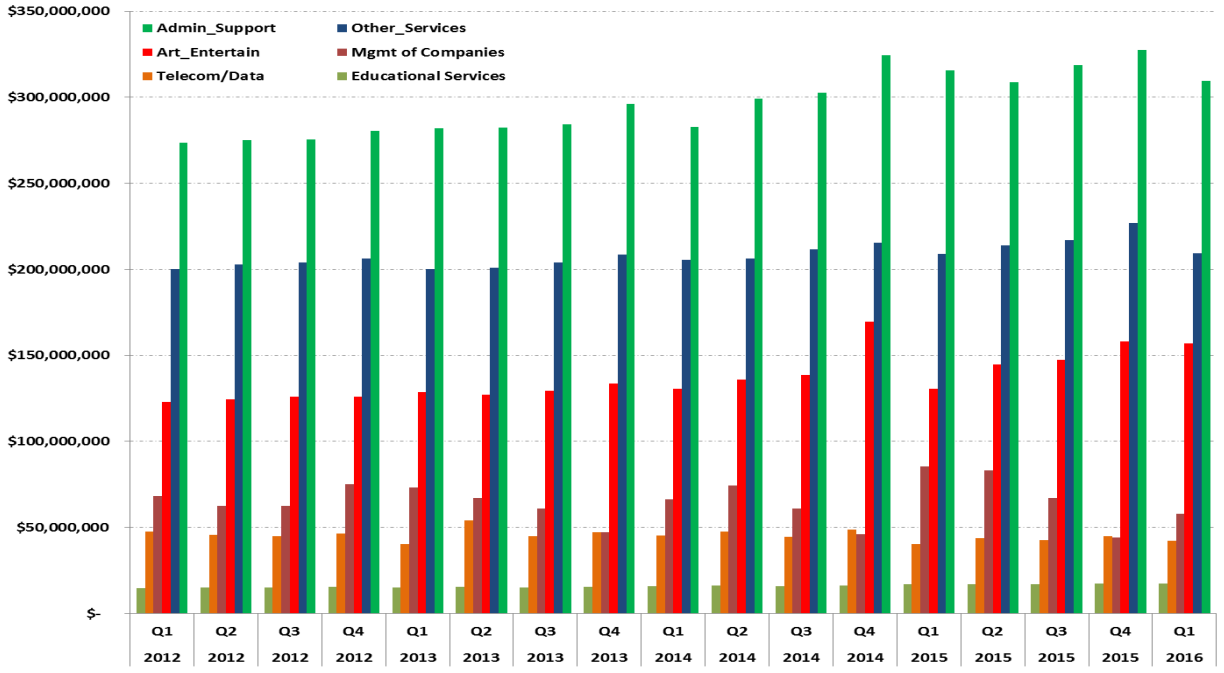
This figure shows the median estimated quarterly revenues of four major select services industries for period of 2012Q1-2016Q1 in the City of Tulsa. Select services refers to all service industries excluding (1) newspapers, (2) professionals and business services (e.g., lawyers, accountants), (3) financial services, (4) real estate, (5) healthcare services, (6) hospitality and food services, (7) waste management, and (8) public institutions. Service industries are those with 2-digit NAICS code of 51, 52, 53, 54, 55, 56, 61, 62, 71, 72, and 81. For detailed list of all of these industies, consult with the appendix A.

Figure 22 also shows the results for additional select service industries: (1) management of companies (e.g., managing offices) and (2) educational services (e.g., management training, technical and trade schools, cosmetology and barber schools, flight training, apprenticeship training, fine arts schools, exam preparation and tutoring).

To provide a complete perspective, we also show the quarter-by-quarter revenue estimates for non-select service industries in Figure 23. These industries include: (1) healthcare and social services (e.g., physicians, dentists, chiropractors, optometrists, mental health practitioners, specialty therapists, podiatrists, outpatient care centers, family planning centers, kidney dialysis centers, medical and diagnostic laboratories, diagnostic imaging centers, home health care services, ambulance services, blood and organ banks, hospitals, nursing and residential care facilities, residential mental health facilities, continuing care, assisted living facilities, social assistance, individual and family services, child and youth services, community food services, vocational rehabilitation services, child day care services), (2) professional and business services (e.g., legal services, title abstract and settlement offices, accounting and bookkeeping services, tax preparation services, payroll services, architectural and engineering services, building inspection services, geophysical

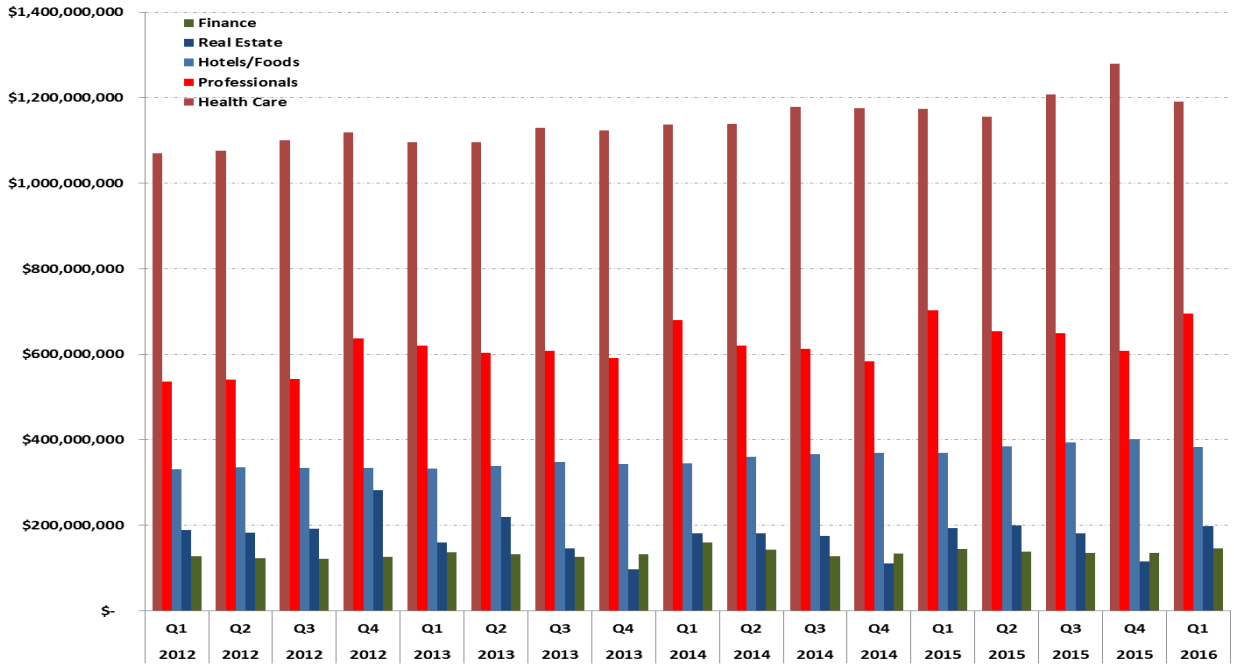
surveying and mapping services, testing laboratories, graphic design services, computer systems design services, management and technical consulting services, human resources consulting services, marketing consulting services, advertising, PR, and related services, photography studios, portrait, veterinary services), (3) hospitality and food services (e.g., hotels and motels, except casino hotels, bed-and-breakfast inns, food services and drinking places, food service contractors, drinking places, alcoholic beverages, restaurants, cafeterias, grill buffets, and buffet, snack and nonalcoholic beverage bars), (4) real estate (e.g., realtor and real estate agents, lessors of real estate, mini-warehouse and self-storage unit operators, real estate property managers, real estate appraisers, rental and leasing services, automotive equipment rental and leasing, consumer goods rental, machinery and equipment rental and leasing, heavy machinery rental and leasing), and (5) financial services (e.g., credit unions, nondepository credit intermediation, consumer lending, real estate credit, securities and commodity contracts brokerage, investment banking and securities dealing, portfolio management, investment advice, trust, fiduciary, and custody activities, insurance carriers, insurance agencies and brokerages, claims adjusting).

Figure 22. Average Estimated Revenues for All Select Services Industries in the City of Tulsa



This figure shows the median estimated quarterly revenues of all select services industries for period of 2012Q1-2016Q1 in the City of Tulsa. Select services refers to all service industries excluding (1) newspapers, (2) professionals and business services (e.g., lawyers, accountants), (3) financial services, (4) real estate, (5) healthcare services, (6) hospitality and food services, (7) waste management, and (8) public institutions. Service industries are those with 2-digit NAICS code of 51, 52, 53, 54, 55, 56, 61, 62, 71, 72, and 81. For detailed list of all of these industies, consult with the appendix A.

Figure 23. Average Estimated Revenues for the Largest Non-Select Services Industries in the City of Tulsa



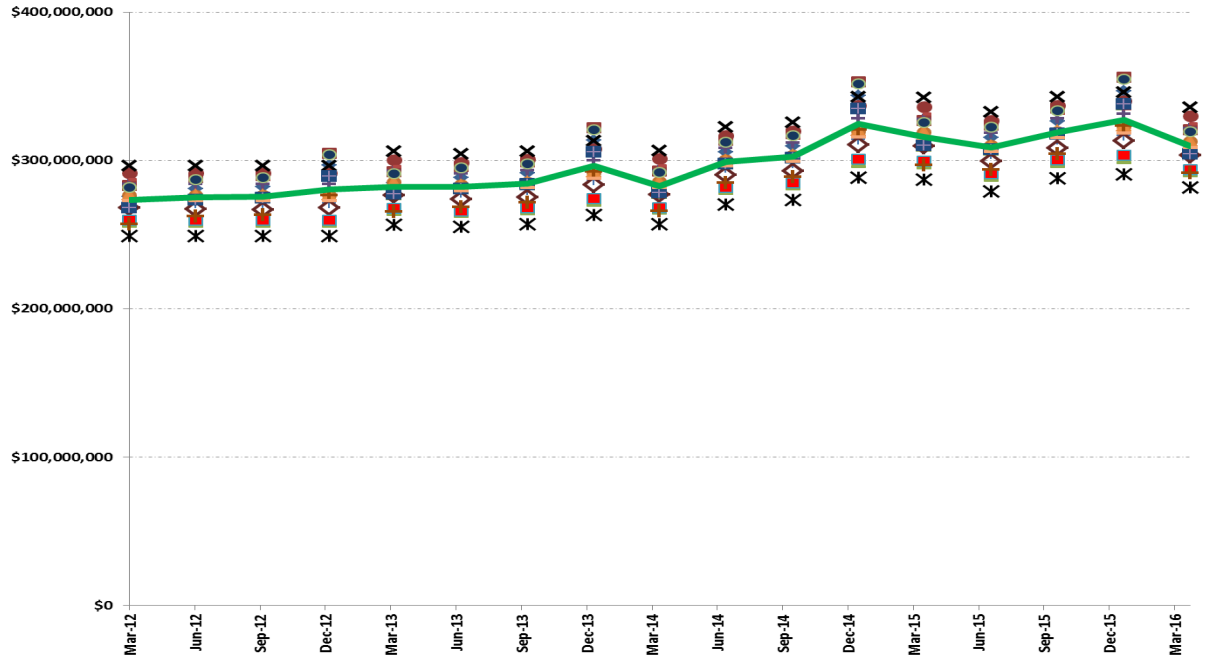
This figure shows the median estimated quarterly revenues of non-select services industries for period of 2012Q1-2016Q1 in the City of Tulsa. Non-select services refers to: (1) newspapers, (2) professionals and business services (e.g., lawyers, accountants), (3) financial services, (4) real estate, (5) healthcare services, (6) hospitality and food services, (7) waste management, and (8) public institutions. Service industries are those with 2-digit NAICS code of 51, 52, 53, 54, 55, 56, 61, 62, 71, 72, and 81. For detailed list of all of these industies, consult with the appendix A.

As noted in Table 8, the total revenues of all non-service industries are more than three larger than those of select service industries. These industries account for the lion share of growth in employment and wages in the City of Tulsa as well. The critical role of these industries perhaps is the main reason why the Task Force excluded them from tax considerations.

4.3. Detail Estimates of Revenues for Major Select Services' Industries

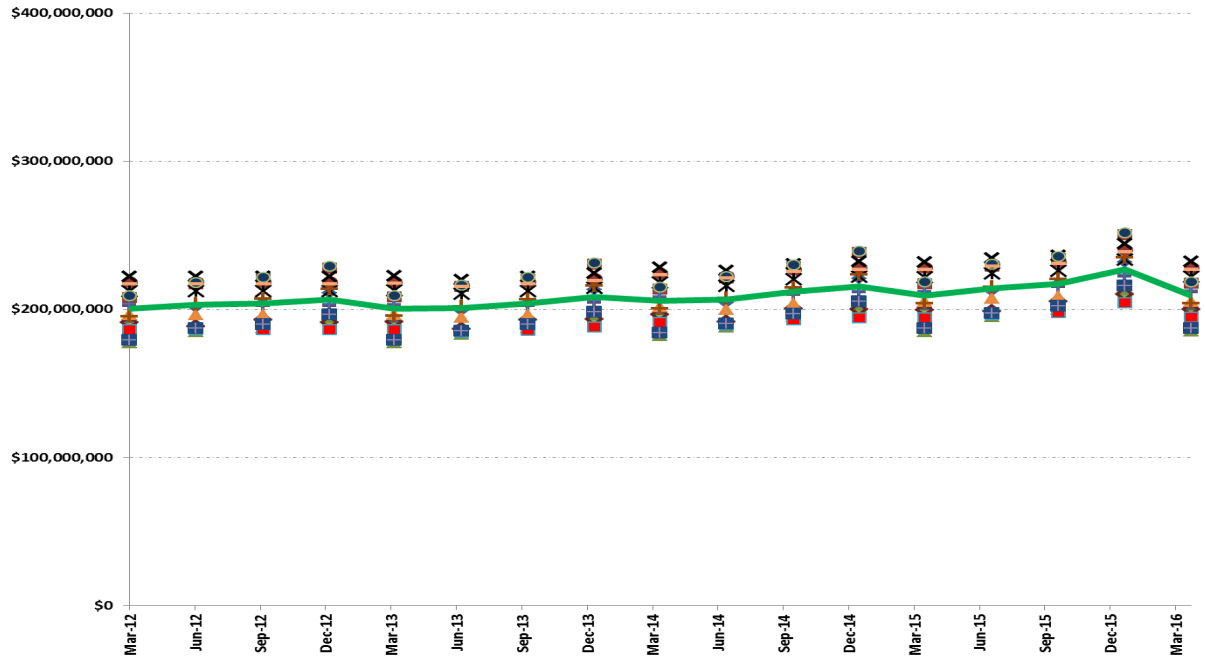
We do report all revenue estimates for all industries in Appendix B. However, to provide a better, heuristics representation of these estimates for each industry, we provide graphical representation of our estimates for the six major select service industries in Figures 24-29. Figure 24 shows the revenue estimates for the administrative support services. As noted before, this industry includes: office administrator, temporary help, call centers, private mail, collection agencies, travel agencies, security and armored cars, private investigation, janitorial, carpet cleaning, landscaping, locksmiths, and, exterminators.

Figure 24. Estimates of Revenues for Administrative Support Services in the City of Tulsa



This figure shows all estimated quarterly revenues of the Administrative Support industry for the period of March 2012 – March 2016. The Administrative Support industry includes sub-industires such as office administrator, temporary help, call centers, private mail, collection agencies, travel agencies, security and armored cars, private investigation, janitorial, carpet cleaning, landscaping, locksmiths, and, exterminators.

Figure 25. Estimates of Revenues for Other Services in the City of Tulsa

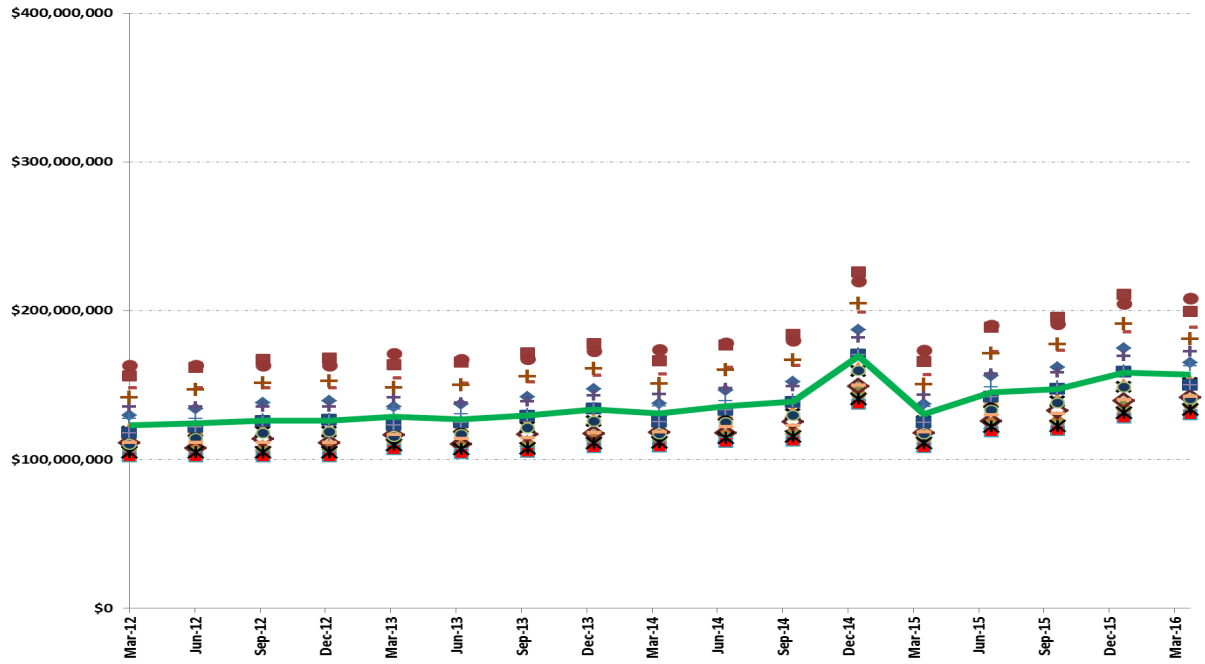


This figure shows all estimated quarterly revenues of the Other Industries for the period of March 2012 – March 2016. The Other Industires include sub-industires such as automotive repair, auto-glass repair, auto-body shops, computer and office machine repair, barber shops, beauty salons, death care and funeral homes, dry-cleaning, pet-care, and, carwashes.

Figure 25 shows the revenue estimates for the other services industries. As noted before, this industry includes: automotive repair, auto-glass repair, auto-body shops, computer and office machine repair, barber shops, beauty salons, death care and funeral homes, dry-cleaning, pet-care, and, car washes.

Figure 26 shows the revenue estimates for the arts and entertainments industry. As noted before, this industry includes: performing arts centers, spectator sports, agents and managers of public figures, golf courses, amusement parks, gambling, museums, marinas, fitness facilities, bowling centers, and, zoos.

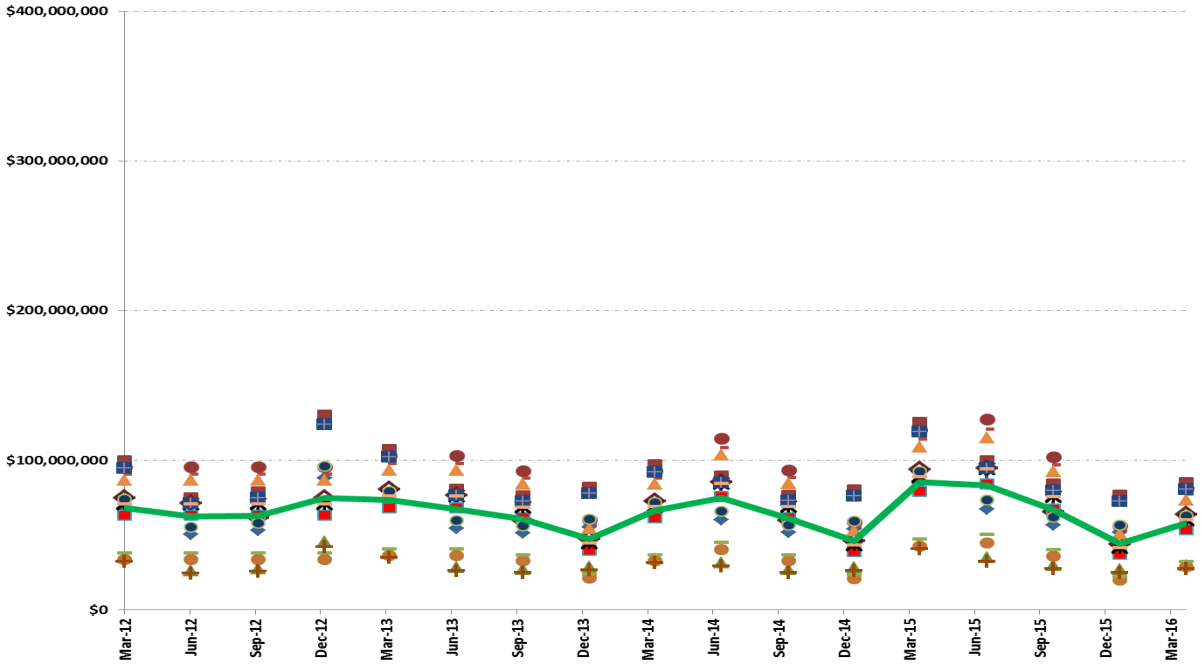
Figure 26. Estimates of Revenues for Arts/Entertainments in the City of Tulsa



This figure shows all estimated quarterly revenues of the Art/Entertainment industry for the period of March 2012 – March 2016. The Arts/Entertainment industry include sub-industires such as performing arts centers, spectator sports, agents and managers of public figures, golf courses, amusement parks, gambling, museums, marinas, fitness facilities, bowling centers, and, zoos.

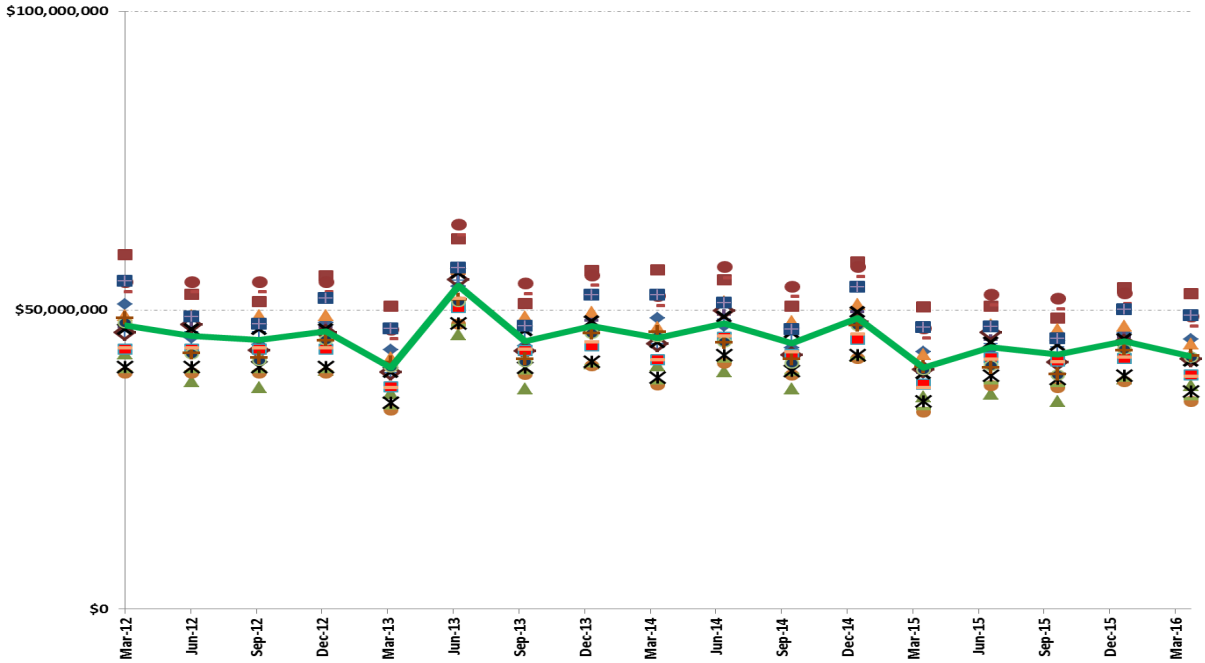
Figure 27 shows the revenues estimates for the management of companies industry. Figure 28 shows the revenue estimates for the telecom/data industry. As noted before, this industry includes: wireless carriers, telecom resellers, data processing, web-hosting, internet publishing, and, web-search. Figure 29 shows the revenues estimates for the educational services industry. As noted before, this industry includes: management training, technical and trade schools, cosmetology and barber schools, flight training, apprenticeship training, fine arts schools, exam preparation, and, tutoring.

Figure 27. Estimates of Revenues for Management of Companies in the City of Tulsa



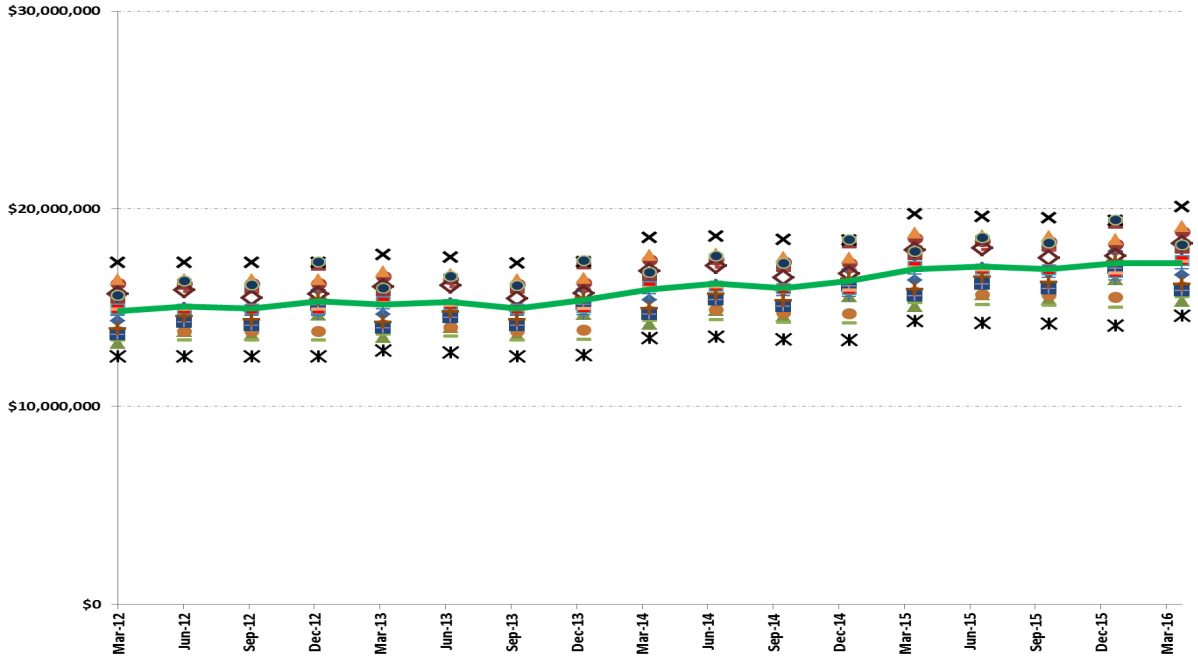
This figure shows all estimated quarterly revenues of the Management of Companies industry for the period of March 2012 – March 2016.

Figure 28. Estimates of Revenues for Telecom/Data in the City of Tulsa



This figure shows all estimated quarterly revenues of the Telecom/Data industry for the period of March 2012 – March 2016. The Telecom/Data industry include sub-industires such as wireless carriers, telecom resellers, data processing, web-hosting, internet publishing, and, web-search.

Figure 29. Estimates of Revenues for Educational Services in the City of Tulsa



This figure shows all estimated quarterly revenues of the Educational Services industry for the period of March 2012 – March 2016. The Educational Services industry include sub-industires such as management training, technical and trade schools, cosmetology and barber schools, flight training, apprenticeship training, fine arts schools, exam preparation, and, tutoring..

5. Conclusion

Using Economic Census and the Quarterly Census of Employment of Wages, we examine the characteristics of the service industries' revenues. Having documented formidable size and strong resiliency against macroeconomic fluctuations for the service industries, we then estimate the revenues of the service industries for the period of 2012-2016.

Excluding certain services (newspapers, professional services such as lawyers, accountants, and healthcare), we estimate the total revenues from the remaining "select services industries" in 2015 to have been $3,237,211,457.00 for the City of Tulsa. This implies that for every percentage tax excised, the City of Tulsa could have expected $32,372,114.57 of additional revenues. Assuming the City of Tulsa can excise a service tax rate of 2% on select service, we estimates that the City of Tulsa could have expected $58,595,838.29, $59,461,508.00, $62,426,750.13, and $64,744,229.13 of additional tax revenues in 2012, 2013, 2014, and 2015.

Appendix A. Service Industry Codes and Corresponding Business Line Description

Department of Labor uses 6-digit NAIC codes to distinguish various service industries. The following table shows how these codes map into various industries. The industries which are NOT considered "select services" are highlighted in gray.

NAIC Code / Industry Name	NAIC Code / Industry Name	NAIC Code / Industry Name
NAICS 511 Publishing industries, except Internet	NAICS 52211 Commercial banking	NAICS 525 Funds, trusts, and other financial vehicles
NAICS 5111 Newspaper, book, and directory publishers	NAICS 522110 Commercial banking	NAICS 52592 Trusts, estates, and agency accounts
NAICS 51111 Newspaper publishers	NAICS 52213 Credit unions	NAICS 525920 Trusts, estates, and agency accounts
NAICS 511110 Newspaper publishers	NAICS 522130 Credit unions	NAICS 52599 Other financial vehicles
NAICS 51112 Periodical publishers	NAICS 5222 Nondepository credit intermediation	NAICS 525990 Other financial vehicles
NAICS 511120 Periodical publishers	NAICS 52229 Other nondepository credit intermediation	NAICS 53 Real estate and rental and leasing
NAICS 51113 Book publishers	NAICS 522291 Consumer lending	NAICS 531 Real estate
NAICS 511130 Book publishers	NAICS 522292 Real estate credit	NAICS 5311 Lessors of real estate
NAICS 51114 Directory and mailing list publishers	NAICS 5223 Activities related to credit intermediation	NAICS 53111 Lessors of residential buildings
NAICS 511140 Directory and mailing list publishers	NAICS 52239 Other credit intermediation activities	NAICS 531110 Lessors of residential buildings
NAICS 51119 Other publishers	NAICS 522390 Other credit intermediation activities	NAICS 53112 Lessors of nonresidential buildings
NAICS 5112 Software publishers	NAICS 523 Securities, commodity contracts, investments	NAICS 531120 Lessors of nonresidential buildings
NAICS 51121 Software publishers	NAICS 5231 Securities and commodity contracts brokerage	NAICS 53113 Miniwarehouse and self-storage unit operators
NAICS 511210 Software publishers	NAICS 52311 Investment banking and securities dealing	NAICS 531130 Miniwarehouse and self-storage unit operators
NAICS 512 Motion picture and sound recording industries	NAICS 523110 Investment banking and securities dealing	NAICS 53119 Lessors of other real estate property
NAICS 5121 Motion picture and video industries	NAICS 52312 Securities brokerage	NAICS 531190 Lessors of other real estate property
NAICS 51211 Motion picture and video production	NAICS 523120 Securities brokerage	NAICS 5312 Offices of real estate agents and brokers
NAICS 512110 Motion picture and video production	NAICS 5239 Other financial investment activities	NAICS 53121 Offices of real estate agents and brokers
NAICS 51213 Motion picture and video exhibition	NAICS 52391 Miscellaneous intermediation	NAICS 531210 Offices of real estate agents and brokers
NAICS 5122 Sound recording industries	NAICS 523910 Miscellaneous intermediation	NAICS 5313 Activities related to real estate
NAICS 515 Broadcasting, except Internet	NAICS 52392 Portfolio management	NAICS 53131 Real estate property managers
NAICS 515111 Radio networks	NAICS 523920 Portfolio management	NAICS 531311 Residential property managers
NAICS 51512 Television broadcasting	NAICS 52393 Investment advice	NAICS 531312 Nonresidential property managers
NAICS 515120 Television broadcasting	NAICS 523930 Investment advice	NAICS 53132 Offices of real estate appraisers
NAICS 517 Telecommunications	NAICS 52399 All other financial investment activities	NAICS 531320 Offices of real estate appraisers
NAICS 5171 Wired telecommunications carriers	NAICS 523991 Trust, fiduciary, and custody activities	NAICS 53139 Other activities related to real estate
NAICS 51711 Wired telecommunications carriers	NAICS 523999 Miscellaneous financial investment activities	NAICS 531390 Other activities related to real estate
NAICS 517110 Wired telecommunications carriers	NAICS 524 Insurance carriers and related activities	NAICS 532 Rental and leasing services
NAICS 5172 Wireless telecommunications carriers	NAICS 5241 Insurance carriers	NAICS 5321 Automotive equipment rental and leasing
NAICS 51721 Wireless telecommunications carriers	NAICS 52411 Direct life and health insurance carriers	NAICS 53211 Passenger car rental and leasing
NAICS 517210 Wireless telecommunications carriers	NAICS 524113 Direct life insurance carriers	NAICS 53212 Truck, trailer, and RV rental and leasing
NAICS 517911 Telecommunications resellers	NAICS 524114 Direct health and medical insurance carriers	NAICS 532120 Truck, trailer, and RV rental and leasing
NAICS 518 Data processing, hosting and related services	NAICS 52412 Direct insurers, except life and health	NAICS 5322 Consumer goods rental
NAICS 5182 Data processing, hosting and related services	NAICS 524126 Direct property and casualty insurers	NAICS 53221 Consumer electronics and appliances rental
NAICS 51821 Data processing, hosting and related services	NAICS 5242 Insurance agencies and brokerages	NAICS 532210 Consumer electronics and appliances rental
NAICS 518210 Data processing, hosting and related services	NAICS 52421 Insurance agencies and brokerages	NAICS 53229 Other consumer goods rental
NAICS 51913 Internet publishing and web search portals	NAICS 524210 Insurance agencies and brokerages	NAICS 5323 General rental centers
NAICS 519130 Internet publishing and web search portals	NAICS 52429 Other insurance related activities	NAICS 53231 General rental centers
NAICS 52 Finance and insurance	NAICS 524291 Claims adjusting	NAICS 532310 General rental centers

NAIC Code / Industry Name
NAICS 522 Credit intermediation and related activities
NAICS 5221 Depository credit intermediation
NAICS 533 Lessors of nonfinancial intangible assets
NAICS 5331 Lessors of nonfinancial intangible assets
NAICS 53311 Lessors of nonfinancial intangible assets
NAICS 533110 Lessors of nonfinancial intangible assets
NAICS 54 Professional and technical services
NAICS 541 Professional and technical services
NAICS 5411 Legal services
NAICS 54111 Offices of lawyers
NAICS 541110 Offices of lawyers
NAICS 54119 Other legal services
NAICS 541191 Title abstract and settlement offices
NAICS 541199 All other legal services
NAICS 5412 Accounting and bookkeeping services
NAICS 54121 Accounting and bookkeeping services
NAICS 541211 Offices of certified public accountants
NAICS 541213 Tax preparation services
NAICS 541214 Payroll services
NAICS 541219 Other accounting services
NAICS 5413 Architectural and engineering services
NAICS 54131 Architectural services
NAICS 541310 Architectural services
NAICS 54132 Landscape architectural services
NAICS 541320 Landscape architectural services
NAICS 54133 Engineering services
NAICS 541330 Engineering services
NAICS 54134 Drafting services
NAICS 541340 Drafting services
NAICS 54135 Building inspection services
NAICS 541350 Building inspection services
NAICS 54136 Geophysical surveying and mapping services
NAICS 541360 Geophysical surveying and mapping services
NAICS 54137 Other surveying and mapping services
NAICS 541370 Other surveying and mapping services
NAICS 54138 Testing laboratories
NAICS 541380 Testing laboratories
NAICS 5414 Specialized design services
NAICS 54143 Graphic design services
NAICS 541430 Graphic design services
NAICS 5415 Computer systems design and related services
NAICS 54151 Computer systems design and related services
NAICS 541511 Custom computer programming services
NAICS 541512 Computer systems design services
NAICS 541513 Computer facilities management services
NAICS 541519 Other computer related services
NAICS 524292 Third party administration of insurance funds
NAICS 524298 All other insurance related activities
NAICS 541611 Administrative management consulting services
NAICS 541612 Human resources consulting services
NAICS 541613 Marketing consulting services
NAICS 541614 Process and logistics consulting services
NAICS 541618 Other management consulting services
NAICS 54162 Environmental consulting services
NAICS 541620 Environmental consulting services
NAICS 54169 Other technical consulting services
NAICS 541690 Other technical consulting services
NAICS 5417 Scientific research and development services
NAICS 541712 Other physical and biological research
NAICS 5418 Advertising, PR, and related services
NAICS 54181 Advertising agencies
NAICS 541810 Advertising agencies
NAICS 54182 Public relations agencies
NAICS 541820 Public relations agencies
NAICS 54183 Media buying agencies
NAICS 541830 Media buying agencies
NAICS 54184 Media representatives
NAICS 541840 Media representatives
NAICS 54185 Outdoor advertising
NAICS 541850 Outdoor advertising
NAICS 54186 Direct mail advertising
NAICS 541860 Direct mail advertising
NAICS 5419 Other professional and technical services
NAICS 54192 Photographic services
NAICS 541921 Photography studios, portrait
NAICS 541922 Commercial photography
NAICS 54194 Veterinary services
NAICS 541940 Veterinary services
NAICS 54199 All other professional and technical services
NAICS 541990 All other professional and technical services
NAICS 55 Management of companies and enterprises
NAICS 551 Management of companies and enterprises
NAICS 5511 Management of companies and enterprises
NAICS 55111 Management of companies and enterprises
NAICS 551114 Managing offices
NAICS 56 Administrative and waste services
NAICS 561 Administrative and support services
NAICS 5611 Office administrative services
NAICS 56111 Office administrative services
NAICS 561110 Office administrative services
NAICS 5612 Facilities support services
NAICS 56121 Facilities support services
NAICS 5324 Machinery and equipment rental and leasing
NAICS 53241 Heavy machinery rental and leasing
NAICS 56131 Employment placement and executive search
NAICS 56132 Temporary help services
NAICS 561320 Temporary help services
NAICS 56133 Professional employer organizations
NAICS 561330 Professional employer organizations
NAICS 5614 Business support services
NAICS 56142 Telephone call centers
NAICS 561421 Telephone answering services
NAICS 561422 Telemarketing and other contact centers
NAICS 56143 Business service centers
NAICS 561431 Private mail centers
NAICS 561439 Other business service centers
NAICS 56144 Collection agencies
NAICS 561440 Collection agencies
NAICS 56149 Other business support services
NAICS 561491 Repossession services
NAICS 561492 Court reporting and stenotype services
NAICS 561499 All other business support services
NAICS 5615 Travel arrangement and reservation services
NAICS 56151 Travel agencies
NAICS 561510 Travel agencies
NAICS 5616 Investigation and security services
NAICS 56161 Security and armored car services
NAICS 561612 Security guards and patrol services
NAICS 56162 Security systems services
NAICS 561621 Security systems services, except locksmiths
NAICS 561622 Locksmiths
NAICS 5617 Services to buildings and dwellings
NAICS 56171 Exterminating and pest control services
NAICS 561710 Exterminating and pest control services
NAICS 56172 Janitorial services
NAICS 561720 Janitorial services
NAICS 56173 Landscaping services
NAICS 561730 Landscaping services
NAICS 56174 Carpet and upholstery cleaning services
NAICS 561740 Carpet and upholstery cleaning services
NAICS 56179 Other services to buildings and dwellings
NAICS 561790 Other services to buildings and dwellings
NAICS 5619 Other support services
NAICS 56199 All other support services
NAICS 561990 All other support services
NAICS 562 Waste management and remediation services
NAICS 5621 Waste collection
NAICS 56211 Waste collection

NAIC Code / Industry Name	NAIC Code / Industry Name	NAIC Code / Industry Name
NAICS 5416 Management and technical consulting services	NAICS 561210 Facilities support services	NAICS 562111 Solid waste collection
NAICS 54161 Management consulting services	NAICS 5613 Employment services	NAICS 5622 Waste treatment and disposal
NAICS 56221 Waste treatment and disposal	NAICS 621399 Offices of miscellaneous health practitioners	NAICS 624110 Child and youth services
NAICS 5629 Remediation and other waste services	NAICS 6214 Outpatient care centers	NAICS 62412 Services for the elderly and disabled
NAICS 56291 Remediation services	NAICS 62141 Family planning centers	NAICS 624120 Services for the elderly and disabled
NAICS 562910 Remediation services	NAICS 621410 Family planning centers	NAICS 62419 Other individual and family services
NAICS 61 Educational services	NAICS 62142 Outpatient mental health centers	NAICS 624190 Other individual and family services
NAICS 611 Educational services	NAICS 621420 Outpatient mental health centers	NAICS 6242 Emergency and other relief services
NAICS 6111 Elementary and secondary schools	NAICS 62149 Other outpatient care centers	NAICS 62421 Community food services
NAICS 61111 Elementary and secondary schools	NAICS 621492 Kidney dialysis centers	NAICS 624210 Community food services
NAICS 611110 Elementary and secondary schools	NAICS 621493 Freestanding emergency medical centers	NAICS 6243 Vocational rehabilitation services
NAICS 6113 Colleges and universities	NAICS 621498 All other outpatient care centers	NAICS 62431 Vocational rehabilitation services
NAICS 61131 Colleges and universities	NAICS 6215 Medical and diagnostic laboratories	NAICS 624310 Vocational rehabilitation services
NAICS 611310 Colleges and universities	NAICS 62151 Medical and diagnostic laboratories	NAICS 6244 Child day care services
NAICS 6114 Business, computer and management training	NAICS 621511 Medical laboratories	NAICS 62441 Child day care services
NAICS 61143 Management training	NAICS 621512 Diagnostic imaging centers	NAICS 624410 Child day care services
NAICS 611430 Management training	NAICS 6216 Home health care services	NAICS 71 Arts, entertainment, and recreation
NAICS 6115 Technical and trade schools	NAICS 62161 Home health care services	NAICS 711 Performing arts and spectator sports
NAICS 61151 Technical and trade schools	NAICS 621610 Home health care services	NAICS 7111 Performing arts companies
NAICS 611511 Cosmetology and barber schools	NAICS 6219 Other ambulatory health care services	NAICS 7112 Spectator sports
NAICS 611512 Flight training	NAICS 62191 Ambulance services	NAICS 71121 Spectator sports
NAICS 611513 Apprenticeship training	NAICS 621910 Ambulance services	NAICS 7113 Promoters of performing arts and sports
NAICS 611519 Other technical and trade schools	NAICS 62199 All other ambulatory health care services	NAICS 71131 Promoters with facilities
NAICS 6116 Other schools and instruction	NAICS 621991 Blood and organ banks	NAICS 711310 Promoters with facilities
NAICS 61161 Fine arts schools	NAICS 621999 Miscellaneous ambulatory health care services	NAICS 71132 Promoters without facilities
NAICS 611610 Fine arts schools	NAICS 622 Hospitals	NAICS 711320 Promoters without facilities
NAICS 61169 All other schools and instruction	NAICS 6221 General medical and surgical hospitals	NAICS 7114 Agents and managers for public figures
NAICS 611691 Exam preparation and tutoring	NAICS 62211 General medical and surgical hospitals	NAICS 71141 Agents and managers for public figures
NAICS 62 Health care and social assistance	NAICS 622110 General medical and surgical hospitals	NAICS 711410 Agents and managers for public figures
NAICS 621 Ambulatory health care services	NAICS 623 Nursing and residential care facilities	NAICS 7115 Independent artists, writers, and performers
NAICS 6211 Offices of physicians	NAICS 6231 Nursing care facilities, skilled nursing	NAICS 71151 Independent artists, writers, and performers
NAICS 62111 Offices of physicians	NAICS 62311 Nursing care facilities, skilled nursing	NAICS 711510 Independent artists, writers, and performers
NAICS 621111 Offices of physicians, except mental health	NAICS 623110 Nursing care facilities, skilled nursing	NAICS 712 Museums, historical sites, zoos, and parks
NAICS 621112 Offices of mental health physicians	NAICS 6232 Residential mental health facilities	NAICS 7121 Museums, historical sites, zoos, and parks
NAICS 6212 Offices of dentists	NAICS 62321 Residential developmental disability homes	NAICS 713 Amusements, gambling, and recreation
NAICS 62121 Offices of dentists	NAICS 623210 Residential developmental disability homes	NAICS 7139 Other amusement and recreation industries
NAICS 621210 Offices of dentists	NAICS 62322 Residential mental and substance abuse care	NAICS 71391 Golf courses and country clubs
NAICS 6213 Offices of other health practitioners	NAICS 623220 Residential mental and substance abuse care	NAICS 713910 Golf courses and country clubs
NAICS 62131 Offices of chiropractors	NAICS 6233 Continuing care, assisted living facilities	NAICS 71393 Marinas
NAICS 621310 Offices of chiropractors	NAICS 62331 Continuing care, assisted living facilities	NAICS 713930 Marinas
NAICS 62132 Offices of optometrists	NAICS 623311 Continuing care retirement communities	NAICS 71394 Fitness and recreational sports centers
NAICS 621320 Offices of optometrists	NAICS 623312 Assisted living facilities for the elderly	NAICS 713940 Fitness and recreational sports centers
NAICS 62133 Offices of mental health practitioners	NAICS 6239 Other residential care facilities	NAICS 71395 Bowling centers
NAICS 621330 Offices of mental health practitioners	NAICS 62399 Other residential care facilities	NAICS 713950 Bowling centers
NAICS 62134 Offices of specialty therapists	NAICS 623990 Other residential care facilities	NAICS 71399 All other amusement and recreation industries
NAICS 621340 Offices of specialty therapists	NAICS 624 Social assistance	NAICS 713990 All other amusement and recreation industries

NAIC Code / Industry Name	NAIC Code / Industry Name	NAIC Code / Industry Name
NAICS 62139 Offices of all other health practitioners	NAICS 6241 Individual and family services	NAICS 72 Accommodation and food services
NAICS 621391 Offices of podiatrists	NAICS 62411 Child and youth services	NAICS 721 Accommodation
NAICS 7211 Traveler accommodation	NAICS 81142 Reupholstery and furniture repair	NAICS 813410 Civic and social organizations
NAICS 72111 Hotels and motels, except casino hotels	NAICS 811420 Reupholstery and furniture repair	NAICS 8139 Professional and similar organizations
NAICS 721110 Hotels and motels, except casino hotels	NAICS 81149 Other household goods repair and maintenance	NAICS 81391 Business associations
NAICS 72119 Other traveler accommodation	NAICS 811490 Other household goods repair and maintenance	NAICS 813910 Business associations
NAICS 721191 Bed-and-breakfast inns	NAICS 812 Personal and laundry services	NAICS 81392 Professional organizations
NAICS 721199 All other traveler accommodation	NAICS 8121 Personal care services	NAICS 813920 Professional organizations
NAICS 722 Food services and drinking places	NAICS 81211 Hair, nail, and skin care services	NAICS 81393 Labor unions and similar labor organizations
NAICS 7223 Special food services	NAICS 812111 Barber shops	NAICS 813930 Labor unions and similar labor organizations
NAICS 72231 Food service contractors	NAICS 812112 Beauty salons	NAICS 814 Private households
NAICS 722310 Food service contractors	NAICS 812113 Nail salons	NAICS 8141 Private households
NAICS 7224 Drinking places, alcoholic beverages	NAICS 81219 Other personal care services	NAICS 81411 Private households
NAICS 72241 Drinking places, alcoholic beverages	NAICS 812191 Diet and weight reducing centers	NAICS 814110 Private households
NAICS 722410 Drinking places, alcoholic beverages	NAICS 812199 Other personal care services	
NAICS 7225 Restaurants and other eating places	NAICS 8122 Death care services	
NAICS 72251 Restaurants and other eating places	NAICS 81221 Funeral homes and funeral services	
NAICS 722511 Full-service restaurants	NAICS 812210 Funeral homes and funeral services	
NAICS 722513 Limited-service restaurants	NAICS 81222 Cemeteries and crematories	
NAICS 722514 Cafeterias, grill buffets, and buffets	NAICS 812220 Cemeteries and crematories	
NAICS 722515 Snack and nonalcoholic beverage bars	NAICS 8123 Drycleaning and laundry services	
NAICS 81 Other services, except public administration	NAICS 81231 Coin-operated laundries and drycleaners	
NAICS 811 Repair and maintenance	NAICS 812310 Coin-operated laundries and drycleaners	
NAICS 8111 Automotive repair and maintenance	NAICS 81232 Drycleaning and laundry services	
NAICS 81111 Automotive mechanical and electrical repair	NAICS 812320 Drycleaning and laundry services	
NAICS 811111 General automotive repair	NAICS 81233 Linen and uniform supply	
NAICS 811112 Automotive exhaust system repair	NAICS 8129 Other personal services	
NAICS 811113 Automotive transmission repair	NAICS 81291 Pet care, except veterinary, services	
NAICS 811118 Other automotive mechanical and elec. repair	NAICS 812910 Pet care, except veterinary, services	
NAICS 81112 Automotive body, interior, and glass repair	NAICS 81293 Parking lots and garages	
NAICS 811121 Automotive body and interior repair	NAICS 812930 Parking lots and garages	
NAICS 811122 Automotive glass replacement shops	NAICS 813 Membership associations and organizations	
NAICS 81119 Other automotive repair and maintenance	NAICS 8131 Religious organizations	
NAICS 811191 Automotive oil change and lubrication shops	NAICS 81311 Religious organizations	
NAICS 811192 Car washes	NAICS 813110 Religious organizations	
NAICS 811198 All other automotive repair and maintenance	NAICS 8132 Grantmaking and giving services	
NAICS 8112 Electronic equipment repair and maintenance	NAICS 81321 Grantmaking and giving services	
NAICS 81121 Electronic equipment repair and maintenance	NAICS 813211 Grantmaking foundations	
NAICS 811212 Computer and office machine repair	NAICS 813212 Voluntary health organizations	
NAICS 811219 Other electronic equipment repair	NAICS 813219 Other grantmaking and giving services	
NAICS 8113 Commercial machinery repair and maintenance	NAICS 8133 Social advocacy organizations	
NAICS 81131 Commercial machinery repair and maintenance	NAICS 81331 Social advocacy organizations	
NAICS 811310 Commercial machinery repair and maintenance	NAICS 813319 Other social advocacy organizations	
NAICS 8114 Household goods repair and maintenance	NAICS 8134 Civic and social organizations	
NAICS 81141 Home and garden equip. and appliance repair	NAICS 81341 Civic and social organizations	

Appendix B. Estimated Revenues for Service Industries During the Period of 2012Q1-2016Q1

Method 1. We first compute the revenues-to-payroll ratios from 2002, 2007, and 2012 Economic Census' for Tulsa County only. We then use these ratios to estimate revenues from the payrolls from Quarterly Census of Employment and Wages. To generate upper (lower) 75%ile, we then add (subtract) one standard deviation and repeat the procedure. This method generates one median estimate and two upper/lower estimates. The table below reports the median estimates.

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
51	45.067	46.127	41.696	43.289	43.039	50.096	43.700	47.363	48.686	48.763	43.967	53.903	43.339	47.845	44.202	45.323	51.008
511	47.735	45.238	43.871	44.905	47.281	42.666	45.288	45.762	51.765	47.924	50.621	49.485	95.692	50.634	51.215	52.195	55.117
5111	37.289	35.328	34.456	36.081	37.437	33.565	36.629	37.370	40.318	37.906	41.177	40.774	87.116	41.248	42.740	43.520	45.655
51111	12.127	10.875	10.668	11.659	11.811	10.353	11.207	9.752	11.422	12.412	13.168	11.406	52.885	15.079	15.898	13.960	16.208
511110	12.127	10.875	10.668	11.659	11.811	10.353	11.207	9.752	11.422	12.412	13.168	11.406	52.885	15.079	15.898	13.960	16.208
51112	22.183	18.884	18.632	21.293	21.071	18.068	19.402	21.354	22.263	20.276	21.021	22.316	21.960	18.866	19.706	22.248	21.836
511120	22.183	18.884	18.632	21.293	21.071	18.068	19.402	21.354	22.263	20.276	21.021	22.316	21.960	18.866	19.706	22.248	21.836
51114	5.902	5.024	4.957	5.665	5.606	4.807	5.162	5.681	5.923	5.394	6.075	6.450	6.347	5.453	5.695	6.430	6.311
511140	5.902	5.024	4.957	5.665	5.606	4.807	5.162	5.681	5.923	5.394	6.075	6.450	6.347	5.453	5.695	6.430	6.311
5112	12.641	11.992	11.400	10.713	11.930	11.021	10.521	10.211	13.848	12.140	11.485	10.615	10.798	11.416	10.350	10.591	11.539
51121	12.641	11.992	11.400	10.713	11.930	11.021	10.521	10.211	13.848	12.140	11.485	10.615	10.798	11.416	10.350	10.591	11.539
511210	12.641	11.992	11.400	10.713	11.930	11.021	10.521	10.211	13.848	12.140	11.485	10.615	10.798	11.416	10.350	10.591	11.539
51213	12.495	10.964	11.248	11.570	11.860	8.477	7.135	7.354	7.291	6.995	7.613	7.532	7.045	6.838	7.613	7.631	6.534
515	28.601	28.841	25.752	28.166	27.733	29.097	24.103	28.948	28.367	28.863	25.644	27.949	25.623	29.891	25.665	27.036	29.114
515111	0.541	0.535	0.507	0.569	0.532	0.572	0.539	0.560	0.553	0.633	0.550	0.605	0.555	0.605	0.541	0.577	0.610
51512	20.043	19.447	17.171	18.283	18.485	18.273	14.572	17.764	18.041	18.347	15.561	17.282	15.853	16.229	14.293	15.237	16.102
515120	20.043	19.447	17.171	18.283	18.485	18.273	14.572	17.764	18.041	18.347	15.561	17.282	15.853	16.229	14.293	15.237	16.102
517	3.183	2.688	2.744	2.590	3.484	2.617	2.912	2.671	3.675	2.668	2.883	2.546	3.475	2.835	2.958	2.702	3.645
517110	4.491	4.033	4.158	3.576	5.116	3.513	4.126	3.709	5.469	3.671	4.102	3.637	5.282	3.765	3.998	3.565	5.120
517911	2.873	0.501	0.331	2.160	2.178	2.842	2.570	2.828	3.135	2.699	2.146	1.842	1.875	1.625	1.654	1.615	1.852
518	13.283	14.598	13.200	12.533	11.822	18.382	16.685	15.744	16.644	17.232	15.441	23.408	14.241	15.119	15.580	15.585	18.248
5182	13.516	14.854	13.432	12.753	12.029	18.704	16.977	16.020	16.935	17.534	15.711	23.818	14.490	15.383	15.852	15.857	18.568
51821	13.516	14.854	13.432	12.753	12.029	18.704	16.977	16.020	16.935	17.534	15.711	23.818	14.490	15.383	15.852	15.857	18.568
518210	13.516	14.854	13.432	12.753	12.029	18.704	16.977	16.020	16.935	17.534	15.711	23.818	14.490	15.383	15.852	15.857	18.568
51913	4.895	5.183	4.273	3.850	3.666	9.099	3.652	5.529	4.408	13.673	5.470	5.604	5.052	2.771	2.453	2.255	1.679
519130	5.591	5.920	4.881	4.398	4.188	10.393	4.171	6.315	5.035	15.619	6.248	6.401	5.771	3.165	2.801	2.576	1.918
52	140.685	127.404	117.490	122.901	138.913	126.221	110.621	126.670	154.268	124.976	109.595	117.319	131.274	118.859	105.105	108.432	122.027
522130	23.674	24.588	20.802	23.051	21.098	23.227	19.348	21.468	19.863	22.611	18.787	21.351	18.841	21.147	17.698	19.329	16.979
5222	143.182	147.040	141.344	132.686	140.811	126.231	113.148	110.946	138.939	133.374	118.211	121.107	125.658	121.412	107.961	107.636	110.917
52229	112.956	124.038	112.921	104.185	112.187	94.069	86.520	81.122	113.057	100.677	89.154	91.291	98.309	91.812	82.982	80.837	81.479
522291	7.957	8.362	7.885	8.133	8.869	8.507	8.135	8.638	8.723	8.602	6.945	7.677	7.487	7.715	6.293	7.043	6.654
522292	58.580	64.411	58.807	52.687	56.219	43.906	40.073	35.269	57.382	48.045	43.942	44.109	49.252	42.907	40.798	38.160	39.153
5223	9.144	11.674	8.777	9.238	13.309	13.031	8.470	8.540	8.733	10.019	7.209	8.012	7.592	10.867	6.613	7.464	6.405
52239	2.568	3.423	2.455	2.668	4.377	4.136	2.511	2.681	2.687	3.824	2.595	2.973	2.672	4.194	2.316	2.785	2.270
522390	2.568	3.423	2.455	2.668	4.377	4.136	2.511	2.681	2.687	3.824	2.595	2.973	2.672	4.194	2.316	2.785	2.270
523	124.920	117.662	99.813	111.924	131.565	91.545	82.882	83.618	157.753	78.380	70.998	74.750	124.798	100.447	91.674	89.695	115.458
5231	89.595	69.573	59.019	66.181	90.632	63.063	57.095	57.602	108.672	53.994	48.909	51.493	95.474	68.954	62.932	61.573	84.313
52311	2.685	1.335	1.132	1.270	2.704	1.881	1.703	1.718	3.242	1.611	1.459	1.536	3.515	1.489	1.359	1.329	2.756
523110	2.685	1.335	1.132	1.270	2.704	1.881	1.703	1.718	3.242	1.611	1.459	1.536	3.515	1.489	1.359	1.329	2.756
52312	83.390	69.765	67.153	67.103	84.599	76.004	68.933	67.852	80.752	73.430	66.933	70.718	78.690	62.850	59.422	62.370	73.986
523120	83.390	69.765	67.153	67.103	84.599	76.004	68.933	67.852	80.752	73.430	66.933	70.718	78.690	62.850	59.422	62.370	73.986
5239	35.592	44.514	38.995	35.122	40.251	42.362	31.496	30.856	38.156	36.792	27.627	27.093	31.132	37.148	28.210	25.973	31.780
52391	3.615	6.594	6.871	6.113	6.874	8.178	6.963	6.376	10.038	7.752	6.765	6.092	8.785	8.517	8.864	7.017	9.633

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
523910	3.615	6.594	6.871	6.113	6.874	8.178	6.963	6.376	10.038	7.752	6.765	6.092	8.785	8.517	8.864	7.017	9.633
52392	10.354	8.717	9.083	8.081	10.696	8.724	7.664	7.405	9.773	7.381	6.032	6.116	7.230	8.321	5.338	5.518	7.174
523920	10.354	8.717	9.083	8.081	10.696	8.724	7.664	7.405	9.773	7.381	6.032	6.116	7.230	8.321	5.338	5.518	7.174
52393	10.311	15.102	10.925	10.976	10.772	12.178	7.367	7.931	7.445	9.780	6.521	6.593	5.943	7.515	6.142	5.582	5.848
523930	10.311	15.102	10.925	10.976	10.772	12.178	7.367	7.931	7.445	9.780	6.521	6.593	5.943	7.515	6.142	5.582	5.848
52399	3.761	5.147	3.723	3.741	3.923	6.533	3.702	3.518	3.506	6.164	3.653	3.615	3.631	6.533	3.569	3.575	3.573
523991	2.702	3.698	2.675	2.687	2.818	4.693	2.660	2.527	2.519	4.428	2.548	2.542	2.494	4.731	2.549	2.539	2.490
523999	0.812	1.111	0.804	0.807	0.847	1.410	0.799	0.759	0.757	1.330	1.127	1.023	1.296	1.238	0.839	0.901	1.115
524	80.603	76.029	68.534	78.624	84.214	74.722	65.575	74.750	79.846	70.282	61.466	71.377	73.822	68.934	60.498	67.050	69.541
5242	87.314	88.006	78.872	87.194	83.804	80.919	69.207	73.753	72.161	75.394	65.261	70.225	68.256	73.860	63.303	65.420	63.823
52421	73.214	74.886	66.216	74.914	72.030	68.593	58.277	62.905	61.589	63.715	54.457	59.003	56.713	60.901	51.728	53.279	51.641
524210	73.214	74.886	66.216	74.914	72.030	68.593	58.277	62.905	61.589	63.715	54.457	59.003	56.713	60.901	51.728	53.279	51.641
52429	13.609	12.405	12.196	11.426	10.948	11.722	10.491	10.218	9.949	11.156	10.490	10.803	11.263	12.752	11.491	12.091	12.201
524291	6.225	5.907	6.142	6.043	5.610	5.955	5.378	5.536	5.432	5.978	6.582	6.564	7.458	8.489	7.810	8.515	8.488
524292	4.599	4.208	4.033	3.804	3.622	4.028	3.425	3.320	3.105	3.755	3.351	3.508	3.546	3.862	3.411	3.492	3.444
524298	0.247	0.198	0.211	0.162	0.181	0.132	0.193	0.169	0.218	0.133	0.122	0.118	0.120	0.199	0.196	0.223	0.269
53	147.418	171.415	151.775	143.293	144.100	164.423	146.600	130.463	135.317	144.335	121.371	157.034	118.840	420.506	160.327	131.445	140.730
531	131.662	161.519	136.641	129.226	130.769	150.856	131.053	118.145	116.696	151.731	116.586	118.274	114.496	143.279	116.711	114.113	116.343
5311	58.868	67.620	60.109	57.636	60.481	57.540	50.740	48.031	49.412	58.154	49.197	48.477	50.601	56.877	47.441	46.331	47.034
53111	16.231	20.973	16.226	16.849	15.953	21.036	18.557	18.773	17.181	20.180	17.502	17.429	16.970	22.741	16.508	17.932	17.176
531110	16.720	21.604	16.714	17.356	16.433	21.669	19.115	19.338	17.698	20.787	18.029	17.953	17.480	23.426	17.005	18.472	17.693
53112	46.676	48.920	47.486	43.676	49.420	33.885	29.323	25.142	30.431	36.912	29.520	28.807	32.773	30.061	29.016	25.158	27.608
531120	46.894	49.148	47.707	43.880	49.651	34.043	29.460	25.260	30.573	37.084	29.657	28.941	32.926	30.202	29.151	25.275	27.737
53113	2.830	3.590	3.510	3.016	3.043	3.694	3.549	3.444	3.449	3.693	3.550	3.568	3.426	3.841	3.512	3.196	3.237
531130	2.830	3.590	3.510	3.016	3.043	3.694	3.549	3.444	3.449	3.693	3.550	3.568	3.426	3.841	3.512	3.196	3.237
53119	0.519	0.522	0.480	0.454	0.429	0.681	0.628	0.663	0.550	0.504	0.499	0.434	0.477	0.499	0.483	0.517	0.486
531190	0.501	0.505	0.464	0.439	0.415	0.658	0.607	0.641	0.531	0.487	0.482	0.420	0.461	0.483	0.467	0.500	0.469
5312	34.421	47.856	35.767	33.290	36.955	53.774	41.845	34.382	32.501	53.429	32.671	33.473	31.015	49.524	35.587	33.933	35.483
53121	34.421	47.856	35.767	33.290	36.955	53.774	41.845	34.382	32.501	53.429	32.671	33.473	31.015	49.524	35.587	33.933	35.483
531210	34.226	47.584	35.564	33.100	36.745	53.469	41.608	34.186	32.316	53.125	32.486	33.283	30.839	49.242	35.385	33.741	35.282
5313	37.121	43.945	38.942	36.822	34.154	37.658	35.552	33.197	32.852	38.179	32.765	33.673	31.844	35.771	31.738	31.618	31.749
53131	28.917	34.228	30.510	28.661	26.982	29.581	28.176	26.282	25.903	29.840	25.159	25.909	24.627	27.480	24.683	24.289	24.681
531311	20.724	24.001	21.606	20.113	19.133	20.253	19.203	18.417	19.102	19.928	19.004	18.416	17.935	21.514	20.507	19.856	19.721
531312	7.431	9.082	7.981	7.597	7.045	8.113	7.775	6.980	6.366	8.456	5.940	6.741	6.174	6.079	4.821	4.919	5.245
53132	2.301	2.729	2.305	2.355	1.906	1.954	1.873	1.792	1.635	3.431	2.410	2.439	2.234	2.585	2.056	2.098	2.237
531320	2.301	2.729	2.305	2.355	1.906	1.954	1.873	1.792	1.635	3.431	2.410	2.439	2.234	2.585	2.056	2.098	2.237
53139	4.584	5.421	4.144	3.562	2.345	3.264	3.128	2.533	2.310	3.749	2.633	2.589	2.371	3.528	2.917	2.976	3.173
531390	4.584	5.421	4.144	3.562	2.345	3.264	3.128	2.533	2.310	3.749	2.633	2.589	2.371	3.528	2.917	2.976	3.173
532	35.337	37.797	36.038	33.900	33.792	37.903	35.231	30.731	34.229	25.456	25.888	46.677	25.217	194.371	49.090	32.748	37.435
5321	6.011	7.296	7.146	6.569	6.538	7.672	7.129	5.754	6.785	4.537	4.859	11.161	4.582	55.624	11.462	6.174	7.860
53211	3.338	4.079	4.007	3.660	3.664	4.238	3.948	3.128	3.776	2.414	2.623	6.339	2.491	32.685	6.578	3.434	4.464
53212	9.269	10.096	9.361	9.593	8.641	12.740	11.435	11.689	10.109	11.431	10.648	11.216	9.319	9.655	8.627	9.269	7.905
532120	9.063	9.870	9.152	9.379	8.448	12.455	11.179	11.428	9.884	11.176	10.410	10.966	9.111	9.440	8.435	9.062	7.729
5322	11.133	12.584	11.606	11.350	11.136	11.320	10.748	10.873	11.991	9.385	9.081	8.980	10.112	10.062	10.120	10.187	12.832
53221	3.660	3.659	3.387	3.285	3.366	3.138	3.215	3.137	3.402	3.502	3.528	3.379	3.404	3.556	3.472	3.274	3.593
532210	3.660	3.659	3.387	3.285	3.366	3.138	3.215	3.137	3.402	3.502	3.528	3.379	3.404	3.556	3.472	3.274	3.593
53229	5.249	6.302	5.821	5.750	5.447	5.860	5.250	5.347	6.138	3.729	3.453	3.460	4.175	4.087	3.996	3.997	5.744
5323	2.105	2.272	2.093	2.225	2.089	2.383	2.125	2.314	1.988	2.194	2.123	2.216	2.105	2.249	2.157	2.409	2.281
53231	2.105	2.272	2.093	2.225	2.089	2.383	2.125	2.314	1.988	2.194	2.123	2.216	2.105	2.249	2.157	2.409	2.281
532310	2.105	2.272	2.093	2.225	2.089	2.383	2.125	2.314	1.988	2.194	2.123	2.216	2.105	2.249	2.157	2.409	2.281
5324	72.102	54.912	49.298	47.707	48.806	49.790	46.096	45.117	44.259	40.564	37.212	37.577	36.229	45.149	44.888	51.091	38.422
533	8.195	7.339	6.419	6.793	6.218	6.917	5.222	4.860	5.070	6.791	4.749	5.014	4.501	24.763	9.247	9.075	9.216
5331	8.195	7.339	6.419	6.793	6.218	6.917	5.222	4.860	5.070	6.791	4.749	5.014	4.501	24.763	9.247	9.075	9.216
53311	8.195	7.339	6.419	6.793	6.218	6.917	5.222	4.860	5.070	6.791	4.749	5.014	4.501	24.763	9.247	9.075	9.216
533110	6.963	6.236	5.454	5.772	5.283	5.877	4.437	4.129	4.308	5.770	4.035	4.260	3.824	21.040	7.857	7.711	7.830
54	619.308	743.913	604.644	596.979	625.628	715.080	570.281	566.852	605.143	723.060	565.863	550.846	552.806	779.977	504.938	494.425	477.966

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
541	619.308	743.913	604.644	596.979	625.628	715.080	570.281	566.852	605.143	723.060	565.863	550.846	552.806	779.977	504.938	494.425	477.966
5411	301.090	499.700	319.294	309.614	312.138	503.729	302.035	296.389	293.059	506.240	297.503	302.568	291.891	472.979	298.589	284.611	263.042
54111	267.911	453.951	283.521	273.487	277.979	456.869	264.994	261.160	258.404	460.302	260.500	266.671	257.619	430.445	264.275	251.721	231.933
541110	293.245	496.877	310.331	299.348	304.265	500.071	290.052	285.855	282.839	503.829	285.133	291.888	281.980	471.148	289.265	275.524	253.864
54119	13.768	16.972	14.971	15.425	14.122	17.576	16.182	15.173	14.890	16.935	16.266	15.447	14.676	15.579	14.543	13.977	13.367
541191	13.798	16.479	14.699	15.143	13.752	16.619	15.399	14.523	14.180	16.078	15.544	14.698	13.993	15.213	14.208	13.652	13.023
541199	0.129	0.437	0.300	0.310	0.343	0.687	0.580	0.500	0.529	0.628	0.549	0.555	0.513	0.356	0.329	0.318	0.321
5412	74.827	72.336	70.068	69.935	82.057	75.561	70.524	72.803	88.925	70.231	61.602	64.367	77.985	55.633	50.685	53.893	56.280
54121	74.827	72.336	70.068	69.935	82.057	75.561	70.524	72.803	88.925	70.231	61.602	64.367	77.985	55.633	50.685	53.893	56.280
541211	51.584	54.376	49.679	49.921	46.806	54.810	46.538	46.092	45.223	43.998	39.751	39.784	37.929	41.005	35.976	38.515	36.448
541213	7.271	4.132	3.057	6.318	7.070	3.217	2.545	5.723	6.011	3.081	2.580	5.547	5.783	3.311	2.553	6.031	6.430
541214	3.671	4.851	4.213	4.192	4.324	8.247	7.980	7.216	9.232	6.710	6.593	5.759	6.921	5.483	4.964	4.785	5.299
541219	8.677	7.732	8.096	7.674	10.428	7.025	6.932	7.422	10.061	7.597	6.262	6.865	9.436	5.254	4.987	5.104	5.546
5413	181.776	200.238	159.667	159.522	158.630	186.260	151.136	147.909	150.629	169.355	145.089	146.325	135.688	283.250	130.402	130.073	121.884
54131	15.713	17.831	16.033	15.140	15.023	17.699	16.724	15.839	15.896	17.820	16.114	15.697	14.965	17.182	14.738	14.570	14.053
541310	15.713	17.831	16.033	15.140	15.023	17.699	16.724	15.839	15.896	17.820	16.114	15.697	14.965	17.182	14.738	14.570	14.053
54133	161.066	171.789	130.974	131.690	134.171	155.983	125.018	122.493	125.178	136.345	115.170	118.035	109.732	261.659	101.248	100.263	94.590
541330	161.066	171.789	130.974	131.690	134.171	155.983	125.018	122.493	125.178	136.345	115.170	118.035	109.732	261.659	101.248	100.263	94.590
54134	0.708	0.755	0.698	0.608	0.730	0.779	0.584	0.576	0.638	0.516	0.571	0.524	0.602	0.634	0.707	1.016	1.071
541340	0.708	0.755	0.698	0.608	0.730	0.779	0.584	0.576	0.638	0.516	0.571	0.524	0.602	0.634	0.707	1.016	1.071
54136	1.230	1.618	1.510	1.430	1.407	2.061	1.539	1.377	1.372	2.023	1.691	1.557	2.071	3.732	2.378	2.382	2.435
541360	1.230	1.618	1.510	1.430	1.407	2.061	1.539	1.377	1.372	2.023	1.691	1.557	2.071	3.732	2.378	2.382	2.435
54137	5.306	7.968	8.474	8.904	8.057	7.750	5.627	6.346	7.761	10.024	9.406	8.999	6.934	6.882	6.799	6.825	6.084
541370	5.306	7.968	8.474	8.904	8.057	7.750	5.627	6.346	7.761	10.024	9.406	8.999	6.934	6.882	6.799	6.825	6.084
54138	24.332	28.552	23.919	24.329	21.059	28.737	22.870	21.793	20.047	24.893	20.304	20.779	19.807	26.974	19.198	19.480	17.488
541380	24.332	28.552	23.919	24.329	21.059	28.737	22.870	21.793	20.047	24.893	20.304	20.779	19.807	26.974	19.198	19.480	17.488
5414	5.916	6.893	6.876	6.783	6.893	7.574	6.764	6.485	6.312	8.153	6.057	5.764	5.103	9.834	4.991	4.788	5.363
54143	2.616	3.048	3.040	2.999	3.307	3.633	3.206	3.173	3.106	4.035	2.768	2.516	2.438	5.959	2.497	2.501	2.820
541430	2.616	3.048	3.040	2.999	3.307	3.633	3.206	3.173	3.106	4.035	2.768	2.516	2.438	5.959	2.497	2.501	2.820
5415	116.450	131.567	118.641	114.212	119.297	96.000	93.156	89.368	93.928	111.825	94.723	77.011	87.510	97.782	91.366	87.928	87.433
54151	116.450	131.567	118.641	114.212	119.297	96.000	93.156	89.368	93.928	111.825	94.723	77.011	87.510	97.782	91.366	87.928	87.433
541511	43.856	46.806	40.521	39.009	40.898	39.344	35.557	34.509	35.236	33.921	31.910	30.317	29.338	29.831	24.988	24.428	24.494
541512	38.346	42.096	38.726	37.280	40.294	36.183	37.039	35.946	39.167	55.403	42.880	31.701	40.881	36.504	35.024	33.297	34.441
541513	21.971	24.120	22.189	21.361	23.088	20.732	21.223	20.596	22.442	31.745	24.569	18.164	25.026	27.812	35.984	32.912	34.223
541519	14.158	15.543	14.298	5.134	5.549	4.983	5.101	4.950	5.394	7.630	5.905	4.366	4.153	10.807	10.489	10.210	9.312
5416	83.120	97.777	83.954	84.920	92.742	99.047	81.181	79.789	88.108	96.938	77.069	75.447	68.733	95.231	69.833	64.926	62.960
54161	54.172	59.481	50.937	52.279	58.800	61.031	50.247	49.554	56.981	61.277	49.184	48.271	42.026	62.993	43.769	41.536	39.772
541611	28.176	28.674	24.228	25.626	31.509	31.248	24.633	24.745	29.744	26.889	24.638	24.613	20.547	33.173	21.002	20.377	19.350
541612	5.649	9.333	8.007	7.749	6.457	8.421	7.085	6.810	7.414	12.905	6.418	5.381	4.995	7.830	6.635	5.819	5.356
541613	10.265	10.922	9.937	9.374	9.598	8.991	8.564	9.088	9.705	10.533	7.921	8.759	8.427	7.976	5.519	5.285	6.001
541614	10.169	10.858	10.001	9.971	9.865	10.321	10.040	9.186	8.555	10.578	10.466	10.882	10.167	11.023	10.576	10.175	9.807
541618	3.576	3.075	2.479	2.508	2.879	3.366	3.145	2.496	2.652	3.354	2.783	2.564	2.621	3.736	2.808	2.493	2.554
54162	18.464	29.724	21.733	21.069	19.971	25.614	19.785	21.108	19.795	24.830	19.115	18.466	19.419	19.745	16.495	17.760	18.947
541620	18.464	29.724	21.733	21.069	19.971	25.614	19.785	21.108	19.795	24.830	19.115	18.466	19.419	19.745	16.495	17.760	18.947
54169	29.085	39.644	40.374	39.091	40.237	43.783	36.793	32.931	32.324	36.791	28.267	27.536	29.227	31.614	30.181	20.865	19.707
541690	28.252	38.508	39.218	37.971	39.084	42.529	35.739	31.988	31.398	35.737	27.457	26.747	28.390	30.708	29.316	20.267	19.143
5417	16.400	19.659	13.646	15.149	15.117	14.789	12.007	28.009	13.524	16.632	11.523	11.144	11.154	20.817	17.516	11.349	13.840
541712	13.835	13.877	10.175	12.729	12.548	11.998	10.110	27.592	12.182	15.496	9.562	9.441	9.482	20.607	17.220	10.920	13.766
5418	21.774	20.576	19.413	19.111	20.626	22.738	19.752	18.849	21.038	22.384	19.994	19.378	22.095	25.320	21.822	21.711	22.531
54181	7.186	7.184	6.238	6.333	6.905	8.184	6.968	6.803	7.904	8.553	7.291	7.336	8.788	10.093	8.432	8.520	9.322
541810	7.186	7.184	6.238	6.333	6.905	8.184	6.968	6.803	7.904	8.553	7.291	7.336	8.788	10.093	8.432	8.520	9.322
54182	2.154	2.150	1.986	1.915	1.943	2.180	1.985	1.966	1.982	2.380	2.287	1.983	2.071	2.879	2.242	2.192	1.986
541820	2.154	2.150	1.986	1.915	1.943	2.180	1.985	1.966	1.982	2.380	2.287	1.983	2.071	2.879	2.242	2.192	1.986
54183	3.363	2.251	2.051	1.973	2.599	2.194	2.003	1.806	2.229	2.089	1.851	1.810	2.074	2.046	1.695	1.665	1.713
541830	3.363	2.251	2.051	1.973	2.599	2.194	2.003	1.806	2.229	2.089	1.851	1.810	2.074	2.046	1.695	1.665	1.713
541840	0.915	0.613	0.558	0.537	0.707	0.597	0.545	0.491	0.606	0.568	0.503	0.492	0.425	0.420	0.515	0.507	0.521

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
54185	8.530	9.697	14.351	11.879	9.088	11.152	8.930	6.916	7.051	6.808	6.730	4.421	6.456	7.076	7.998	6.066	6.943
541850	8.530	9.697	14.351	11.879	9.088	11.152	8.930	6.916	7.051	6.808	6.730	4.421	6.456	7.076	7.998	6.066	6.943
54186	1.193	1.095	1.414	1.476	1.368	1.285	1.003	1.200	1.064	1.028	1.016	1.700	1.609	1.565	1.709	1.695	1.688
541860	1.193	1.095	1.414	1.476	1.368	1.285	1.003	1.200	1.064	1.028	1.016	1.700	1.609	1.565	1.709	1.695	1.688
5419	69.978	95.622	89.146	84.855	81.553	93.135	85.930	83.461	91.642	148.661	132.768	111.162	97.423	101.825	81.757	77.937	70.911
54192	2.265	2.821	2.391	2.324	2.501	2.893	2.329	2.344	2.391	2.902	2.463	2.575	2.979	4.010	3.089	2.658	2.756
541921	1.908	2.293	2.052	1.899	2.035	2.213	1.818	1.802	1.931	2.325	2.003	2.143	2.543	3.387	2.579	2.115	2.350
541922	0.431	0.643	0.406	0.518	0.567	0.839	0.628	0.668	0.561	0.705	0.560	0.524	0.523	0.751	0.617	0.665	0.488
54194	22.524	23.876	23.348	22.360	20.024	22.146	21.350	20.420	18.896	20.868	21.131	19.302	18.067	19.613	18.978	18.570	17.356
541940	22.524	23.876	23.348	22.360	20.024	22.146	21.350	20.420	18.896	20.868	21.131	19.302	18.067	19.613	18.978	18.570	17.356
54199	25.384	40.060	37.852	35.785	36.633	39.689	37.280	36.439	45.500	82.378	72.223	57.016	49.979	44.760	37.078	33.116	30.951
541990	25.384	40.060	37.852	35.785	36.633	39.689	37.280	36.439	45.500	82.378	72.223	57.016	49.979	44.760	37.078	33.116	30.951
55	57.227	51.568	56.652	67.191	84.485	54.001	51.693	60.338	65.362	55.346	51.460	54.345	72.395	87.802	53.035	50.475	67.271
551	57.227	51.568	56.652	67.191	84.485	54.001	51.693	60.338	65.362	55.346	51.460	54.345	72.395	87.802	53.035	50.475	67.271
5511	57.227	51.568	56.652	67.191	84.485	54.001	51.693	60.338	65.362	55.346	51.460	54.345	72.395	87.802	53.035	50.475	67.271
55111	57.227	51.568	56.652	67.191	84.485	54.001	51.693	60.338	65.362	55.346	51.460	54.345	72.395	87.802	53.035	50.475	67.271
551114	18.198	16.038	17.937	21.770	27.746	17.949	17.226	20.129	21.857	18.546	17.266	18.237	24.556	29.809	17.839	16.830	22.752
56	339.594	377.837	354.064	344.920	347.128	373.306	336.720	333.592	312.012	341.709	318.010	315.182	308.949	326.717	306.809	304.256	298.358
561	304.077	337.233	317.716	308.422	311.540	335.309	302.990	299.659	280.307	306.273	285.645	282.585	277.953	292.072	275.944	273.452	268.331
5611	33.531	37.799	36.415	32.591	37.180	31.246	25.442	24.938	30.361	36.234	24.939	27.104	30.065	34.868	25.922	27.042	28.346
56111	33.531	37.799	36.415	32.591	37.180	31.246	25.442	24.938	30.361	36.234	24.939	27.104	30.065	34.868	25.922	27.042	28.346
561110	33.531	37.799	36.415	32.591	37.180	31.246	25.442	24.938	30.361	36.234	24.939	27.104	30.065	34.868	25.922	27.042	28.346
5612	9.454	5.541	2.806	2.709	2.346	3.516	2.212	1.895	2.193	2.193	2.090	1.827	2.109	1.914	2.033	1.906	2.221
56121	9.454	5.541	2.806	2.709	2.346	3.516	2.212	1.895	2.193	2.193	2.090	1.827	2.109	1.914	2.033	1.906	2.221
561210	9.454	5.541	2.806	2.709	2.346	3.516	2.212	1.895	2.193	2.193	2.090	1.827	2.109	1.914	2.033	1.906	2.221
5613	92.599	106.032	100.411	100.375	95.167	116.866	107.896	106.275	93.383	102.129	95.318	94.905	93.158	95.460	90.239	88.232	83.540
56131	8.397	7.244	6.125	8.306	5.750	7.327	7.811	9.476	8.031	10.272	7.056	8.050	7.657	8.561	6.510	7.669	6.999
56132	66.956	82.544	77.946	75.934	72.906	96.764	92.170	88.658	75.698	79.987	76.712	73.133	68.816	74.777	75.581	71.292	68.029
561320	66.956	82.544	77.946	75.934	72.906	96.764	92.170	88.658	75.698	79.987	76.712	73.133	68.816	74.777	75.581	71.292	68.029
56133	7.920	8.620	8.284	8.258	7.982	8.847	7.676	7.606	7.001	7.826	7.361	7.613	7.882	7.444	6.614	6.634	6.248
561330	7.920	8.620	8.284	8.258	7.982	8.847	7.676	7.606	7.001	7.826	7.361	7.613	7.882	7.444	6.614	6.634	6.248
5614	37.606	41.712	39.551	38.521	41.607	39.317	37.865	36.817	39.974	40.165	39.107	37.599	40.415	39.682	39.753	37.927	41.360
56142	19.471	21.861	20.637	19.894	21.685	20.035	19.171	18.456	20.375	20.526	20.021	18.881	20.444	19.897	20.137	18.756	20.750
561421	1.580	0.798	0.801	0.795	0.818	0.633	0.718	0.632	0.668	0.574	0.612	0.510	0.582	0.552	0.605	0.489	0.535
561422	19.272	21.764	20.538	19.796	21.585	19.958	19.083	18.379	20.294	20.457	19.947	18.820	20.374	19.830	20.064	18.698	20.686
56143	3.993	4.245	3.646	3.974	3.749	3.845	3.620	3.765	3.331	3.653	3.397	3.617	3.361	3.647	3.480	3.571	3.417
561431	2.670	2.211	2.194	2.462	2.421	2.109	2.109	2.286	2.137	2.323	2.290	2.094	2.081	2.100	1.920	1.933	2.041
561439	2.344	2.622	2.191	2.373	2.218	2.353	2.189	2.258	1.974	2.169	1.990	2.190	2.007	2.211	2.127	2.190	2.056
56144	10.085	10.973	11.342	11.633	11.636	12.496	12.907	13.119	13.214	13.002	12.700	13.633	14.466	14.655	14.249	15.279	16.100
561440	10.085	10.973	11.342	11.633	11.636	12.496	12.907	13.119	13.214	13.002	12.700	13.633	14.466	14.655	14.249	15.279	16.100
56149	5.991	6.736	6.455	6.280	6.521	9.436	8.139	8.069	8.050	8.747	8.138	7.541	7.693	8.414	6.779	7.324	6.528
561491	0.967	1.088	1.042	0.867	0.709	1.320	1.139	1.129	1.126	1.224	1.138	1.055	1.281	1.402	1.383	1.330	1.179
561492	0.825	0.928	0.889	0.947	0.793	0.983	0.848	0.841	0.839	0.912	0.848	0.786	0.819	0.895	0.720	0.662	0.674
561499	1.014	1.137	1.028	0.990	1.146	1.741	1.471	1.527	1.487	1.639	1.476	1.342	1.325	1.472	1.123	1.294	1.117
5615	17.206	15.783	14.161	14.255	15.154	13.307	12.874	13.057	13.963	15.600	12.309	12.353	12.960	15.449	14.589	14.405	17.377
5616	47.997	54.757	47.536	48.479	52.324	56.490	49.626	54.147	46.421	52.411	47.948	49.251	44.128	46.351	42.762	44.626	42.479
56161	30.596	33.784	29.475	30.834	36.570	41.818	35.178	39.791	33.528	38.327	34.312	34.871	31.843	35.459	31.094	33.683	30.733
561612	24.029	26.811	23.345	23.927	22.082	24.312	21.845	25.169	20.403	21.770	22.198	21.666	19.829	19.571	18.432	18.233	16.893
56162	15.660	18.603	16.054	15.863	14.957	14.610	13.861	14.198	12.557	13.866	13.180	13.783	11.955	11.234	11.430	11.116	11.456
561621	14.431	17.172	14.814	14.653	13.790	13.463	12.794	13.192	11.615	12.829	12.217	12.822	11.038	10.340	10.533	10.248	10.642
561622	1.224	1.414	1.225	1.189	1.159	1.143	1.054	0.956	0.920	1.010	0.929	0.906	0.905	0.896	0.893	0.863	0.775
5617	46.323	58.433	57.187	55.368	45.006	55.637	55.545	53.909	43.255	50.779	51.911	49.876	40.610	50.717	48.055	49.556	39.804
56171	6.491	6.894	7.079	6.785	6.104	6.472	6.871	6.807	5.855	6.517	7.144	6.999	6.024	7.656	6.440	6.633	5.488
561710	6.491	6.894	7.079	6.785	6.104	6.472	6.871	6.807	5.855	6.517	7.144	6.999	6.024	7.656	6.440	6.633	5.488
56172	12.335	13.485	12.139	12.494	11.808	13.775	12.677	12.415	11.550	11.980	11.850	11.414	10.274	11.341	10.613	10.680	9.960
561720	12.335	13.485	12.139	12.494	11.808	13.775	12.677	12.415	11.550	11.980	11.850	11.414	10.274	11.341	10.613	10.680	9.960

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
56173	24.825	35.115	36.617	34.151	22.855	31.770	35.256	33.378	22.362	28.712	30.801	29.407	20.277	28.457	29.278	30.581	20.595
561730	24.825	35.115	36.617	34.151	22.855	31.770	35.256	33.378	22.362	28.712	30.801	29.407	20.277	28.457	29.278	30.581	20.595
56174	1.173	1.372	1.393	1.343	1.063	1.228	1.196	1.181	1.066	1.289	1.241	1.174	1.007	1.585	1.514	1.652	1.443
561740	1.173	1.372	1.393	1.343	1.063	1.228	1.196	1.181	1.066	1.289	1.241	1.174	1.007	1.585	1.514	1.652	1.443
56179	1.325	2.585	2.243	2.155	2.064	2.509	1.767	1.854	1.658	2.359	1.953	1.865	1.946	2.024	1.595	1.628	1.593
561790	1.325	2.585	2.243	2.155	2.064	2.509	1.767	1.854	1.658	2.359	1.953	1.865	1.946	2.024	1.595	1.628	1.593
5619	31.005	28.729	27.527	22.796	28.061	23.596	12.936	12.637	11.064	14.364	12.803	12.937	11.556	13.553	11.660	13.063	11.851
561990	3.751	3.465	3.312	2.737	3.380	2.834	1.537	1.502	1.314	1.708	1.522	1.541	1.376	1.621	1.392	1.564	1.417
562	38.443	45.707	38.239	40.190	37.358	39.433	34.101	35.177	32.815	37.863	33.581	34.687	31.417	38.266	31.425	31.696	30.593
5621	20.505	23.505	20.952	22.338	20.214	23.161	21.114	21.987	20.198	22.048	20.883	20.950	18.553	22.819	18.041	16.724	15.567
56211	20.505	23.505	20.952	22.338	20.214	23.161	21.114	21.987	20.198	22.048	20.883	20.950	18.553	22.819	18.041	16.724	15.567
562111	19.642	22.516	20.070	21.398	19.072	21.979	20.037	20.847	19.407	21.185	19.793	19.846	17.448	22.115	17.305	16.082	14.655
5622	6.705	7.545	6.824	7.246	8.646	6.393	5.872	6.133	6.454	5.985	5.901	5.913	5.782	7.075	6.631	6.679	7.313
56221	6.705	7.545	6.824	7.246	8.646	6.393	5.872	6.133	6.454	5.985	5.901	5.913	5.782	7.075	6.631	6.679	7.313
5629	10.891	13.959	10.300	10.536	8.390	10.140	7.689	7.718	6.732	10.013	7.398	8.245	7.364	8.784	6.933	8.030	7.341
56291	6.138	8.482	5.526	5.702	4.368	5.183	3.695	3.440	2.894	5.283	3.466	3.970	3.593	4.548	3.152	3.584	3.283
562910	6.138	8.482	5.526	5.702	4.368	5.183	3.695	3.440	2.894	5.283	3.466	3.970	3.593	4.548	3.152	3.584	3.283
56A	312.385	346.787	326.289	315.336	318.268	343.752	309.733	305.472	285.360	313.675	291.225	288.319	284.614	296.823	282.136	280.853	275.477
61	16.665	17.842	16.761	17.014	16.378	16.920	15.810	16.156	15.397	15.932	14.796	15.219	14.669	15.880	14.808	14.993	14.332
611	16.665	17.842	16.761	17.014	16.378	16.920	15.810	16.156	15.397	15.932	14.796	15.219	14.669	15.880	14.808	14.993	14.332
6114	3.716	5.016	4.962	4.981	5.151	4.932	5.102	5.187	5.411	4.799	4.656	4.217	4.841	5.069	5.021	4.301	4.835
61143	4.020	5.680	5.704	5.800	6.008	5.666	5.835	5.970	6.320	5.702	5.494	4.902	5.661	5.996	5.964	5.077	5.646
611430	4.020	5.680	5.704	5.800	6.008	5.666	5.835	5.970	6.320	5.702	5.494	4.902	5.661	5.996	5.964	5.077	5.646
6115	5.577	6.352	6.447	5.988	5.604	6.396	5.688	5.598	5.392	6.030	5.648	5.284	5.061	6.336	6.104	5.984	5.453
61151	5.577	6.352	6.447	5.988	5.604	6.396	5.688	5.598	5.392	6.030	5.648	5.284	5.061	6.336	6.104	5.984	5.453
611511	0.571	0.550	0.559	0.597	0.589	0.673	0.598	0.589	0.424	0.566	0.672	0.496	0.426	0.527	0.443	0.461	0.398
611512	3.362	3.312	3.951	3.310	3.827	4.071	3.759	3.432	3.752	3.759	3.839	3.394	3.696	5.522	4.647	4.267	3.685
611513	0.379	0.281	0.335	0.358	0.382	0.407	0.375	0.343	0.330	0.375	0.330	0.338	0.320	0.382	0.322	0.331	0.286
611519	4.185	5.293	5.003	4.853	3.898	4.760	4.044	4.189	3.732	4.499	3.839	3.836	3.306	4.332	3.957	4.105	3.893
6116	4.730	4.897	4.527	4.362	4.412	4.341	4.164	3.971	4.164	4.853	4.060	3.737	3.885	4.597	3.684	3.463	3.606
61161	1.173	1.129	1.044	1.350	1.365	1.124	1.078	1.246	1.307	1.608	1.150	1.058	1.100	1.150	0.922	1.148	1.195
611610	1.054	1.014	0.938	1.212	1.226	1.010	0.969	1.120	1.174	1.445	1.033	0.951	0.988	1.033	0.828	1.031	1.074
61169	3.539	3.626	3.577	3.223	2.962	3.025	2.998	2.707	2.592	2.828	2.924	2.518	2.359	2.553	2.499	2.120	2.047
611691	2.236	1.754	1.712	1.595	1.438	1.271	1.268	1.258	1.175	1.193	1.295	1.174	1.145	1.117	1.099	0.907	0.838
62	1123.855	1321.376	1203.583	1113.806	1108.476	1213.825	1175.630	1097.946	1072.989	1160.208	1125.733	1056.142	1033.899	1156.195	1097.969	1036.982	1010.341
621	494.316	570.531	504.474	474.722	453.781	516.974	465.736	444.409	416.425	505.234	451.928	440.169	405.816	520.232	453.278	439.652	407.445
6211	252.545	288.627	252.603	230.265	222.254	271.199	243.682	226.317	211.204	267.781	234.011	222.350	201.779	275.957	236.549	225.211	204.640
62111	252.545	288.627	252.603	230.265	222.254	271.199	243.682	226.317	211.204	267.781	234.011	222.350	201.779	275.957	236.549	225.211	204.640
621111	249.322	284.879	249.018	227.197	218.887	267.496	239.889	222.893	207.508	266.351	232.804	221.206	200.684	274.456	235.289	223.955	203.363
621112	3.719	4.334	4.188	3.557	3.961	4.306	4.474	4.026	4.408	1.364	1.138	1.077	1.051	1.442	1.200	1.217	1.282
6212	59.262	68.430	61.661	60.905	56.194	65.354	57.921	58.118	54.056	62.072	56.009	55.687	52.221	63.880	54.507	54.505	52.070
62121	59.262	68.430	61.661	60.905	56.194	65.354	57.921	58.118	54.056	62.072	56.009	55.687	52.221	63.880	54.507	54.505	52.070
621210	59.262	68.430	61.661	60.905	56.194	65.354	57.921	58.118	54.056	62.072	56.009	55.687	52.221	63.880	54.507	54.505	52.070
6213	53.698	59.676	53.326	50.708	48.323	51.343	46.421	45.692	43.596	46.622	41.367	42.517	39.650	46.607	38.792	37.828	35.190
62131	11.084	13.418	11.473	10.336	9.661	11.853	10.038	9.854	9.198	11.675	9.412	9.430	8.724	11.216	9.180	9.170	8.724
621310	11.084	13.418	11.473	10.336	9.661	11.853	10.038	9.854	9.198	11.675	9.412	9.430	8.724	11.216	9.180	9.170	8.724
62132	15.956	17.597	14.691	13.345	11.727	14.208	10.883	11.477	10.065	12.211	9.870	11.006	9.255	11.837	9.703	10.313	8.998
621320	15.956	17.597	14.691	13.345	11.727	14.208	10.883	11.477	10.065	12.211	9.870	11.006	9.255	11.837	9.703	10.313	8.998
62133	4.467	5.839	4.654	4.747	3.957	4.610	4.267	4.169	3.555	4.271	4.016	3.433	3.111	3.700	2.773	2.722	2.685
621330	4.467	5.839	4.654	4.747	3.957	4.610	4.267	4.169	3.555	4.271	4.016	3.433	3.111	3.700	2.773	2.722	2.685
62134	14.443	17.482	16.438	15.882	15.089	15.526	15.221	14.949	14.937	14.292	13.757	14.151	13.798	13.197	12.848	12.320	11.729
621340	13.721	16.608	15.616	15.088	14.334	14.750	14.460	14.202	14.190	13.578	13.069	13.443	13.108	12.537	12.206	11.704	11.142
62139	6.877	5.816	5.318	5.225	5.655	4.976	4.541	4.218	4.034	4.238	3.568	3.636	3.351	5.629	3.382	3.044	2.720
621391	1.705	0.343	0.537	0.708	0.687	0.527	0.587	0.521	0.564	0.523	0.583	0.505	0.533	0.488	0.567	0.526	0.598
621399	5.388	5.203	4.625	4.439	4.850	4.314	3.874	3.613	3.417	3.630	2.973	3.082	2.800	4.943	2.810	2.519	2.176
6214	57.107	62.156	54.973	51.019	48.328	49.512	42.275	42.421	38.414	43.231	40.203	39.562	38.379	41.249	36.723	36.589	34.586

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
62142	9.716	8.998	8.738	8.154	8.124	7.719	7.307	6.959	6.568	6.641	7.608	7.441	7.281	7.303	6.502	6.651	6.287
621420	9.716	8.998	8.738	8.154	8.124	7.719	7.307	6.959	6.568	6.641	7.608	7.441	7.281	7.303	6.502	6.651	6.287
62149	42.449	49.428	41.910	38.952	35.853	38.296	30.809	31.648	27.652	33.128	27.381	27.349	25.645	30.077	25.329	26.819	24.844
621492	14.515	18.992	16.103	14.966	13.776	14.714	10.971	13.144	10.280	11.873	9.087	10.222	8.976	10.432	8.098	9.580	7.853
621493	14.397	12.786	10.776	8.515	7.993	10.687	7.968	9.546	7.466	8.623	7.726	7.373	7.298	8.451	7.769	7.683	8.074
621498	18.585	25.899	23.774	20.027	19.418	23.679	18.353	17.712	15.538	18.480	15.069	14.314	13.459	16.087	13.201	13.758	12.254
6215	94.838	141.907	113.348	119.818	106.880	57.549	54.156	50.208	44.159	53.602	45.494	45.671	41.518	49.882	44.397	43.865	41.222
62151	94.838	141.907	113.348	119.818	106.880	57.549	54.156	50.208	44.159	53.602	45.494	45.671	41.518	49.882	44.397	43.865	41.222
621511	186.112	309.572	236.412	253.422	216.294	75.413	67.059	59.656	45.203	71.668	51.159	55.674	45.255	67.711	51.198	55.121	49.925
621512	10.987	11.977	11.125	11.256	11.442	12.053	11.903	11.396	11.066	11.021	10.742	10.164	10.009	10.110	10.300	9.526	9.221
6216	26.437	30.749	29.407	29.685	29.603	32.465	29.896	30.624	30.407	34.354	34.586	35.595	34.359	36.873	36.593	36.907	35.560
62161	26.437	30.749	29.407	29.685	29.603	32.465	29.896	30.624	30.407	34.354	34.586	35.595	34.359	36.873	36.593	36.907	35.560
621610	26.437	30.749	29.407	29.685	29.603	32.465	29.896	30.624	30.407	34.354	34.586	35.595	34.359	36.873	36.593	36.907	35.560
6219	15.376	17.480	17.181	17.669	16.597	16.465	15.951	16.409	15.600	16.709	16.847	17.950	16.970	18.679	17.635	18.412	18.512
62191	9.894	10.837	11.616	9.941	10.895	10.001	10.022	8.231	9.137	9.941	10.938	9.528	11.386	9.310	9.526	8.207	9.415
621910	9.894	10.837	11.616	9.941	10.895	10.001	10.022	8.231	9.137	9.941	10.938	9.528	11.386	9.310	9.526	8.207	9.415
62199	6.312	7.364	6.797	7.907	6.715	7.031	6.659	7.801	6.816	7.230	6.871	8.294	6.753	8.907	8.073	9.223	8.742
621991	4.804	6.019	5.456	5.534	5.346	5.609	5.312	5.359	5.318	5.641	5.345	5.610	5.458	7.377	7.188	7.054	8.430
621999	1.226	1.354	1.268	1.624	1.261	1.318	1.248	1.620	1.300	1.378	1.313	1.739	1.253	1.620	1.376	1.785	1.372
622	442.577	546.499	511.154	455.194	481.715	509.019	536.913	480.733	497.464	486.209	521.748	465.207	486.640	472.751	498.390	449.249	463.733
6221	421.853	522.478	491.014	438.243	459.756	489.805	499.606	460.441	466.884	462.716	482.849	445.630	461.024	456.599	463.961	437.090	446.883
62211	421.853	522.478	491.014	438.243	459.756	489.805	499.606	460.441	466.884	462.716	482.849	445.630	461.024	456.599	463.961	437.090	446.883
622110	414.375	513.217	482.310	430.474	451.606	481.123	490.750	452.279	458.607	454.514	474.290	437.731	452.851	448.505	455.737	429.342	438.961
623	106.753	116.369	109.574	106.215	102.970	109.240	107.357	104.410	98.541	94.084	93.807	89.182	89.681	91.678	91.171	90.403	89.487
6231	67.113	70.513	69.269	68.214	64.931	63.012	61.690	59.787	54.454	48.463	50.351	44.651	45.434	46.501	49.296	49.310	47.424
62311	67.113	70.513	69.269	68.214	64.931	63.012	61.690	59.787	54.454	48.463	50.351	44.651	45.434	46.501	49.296	49.310	47.424
623110	67.113	70.513	69.269	68.214	64.931	63.012	61.690	59.787	54.454	48.463	50.351	44.651	45.434	46.501	49.296	49.310	47.424
6232	14.404	15.899	15.095	14.185	14.669	17.566	17.542	17.348	17.169	17.897	17.780	17.526	17.756	18.298	17.581	17.494	17.453
62321	9.768	10.781	10.253	10.118	10.002	10.852	10.664	10.858	10.397	11.512	11.189	11.143	11.116	11.928	10.999	11.263	11.025
623210	9.768	10.781	10.253	10.118	10.002	10.852	10.664	10.858	10.397	11.512	11.189	11.143	11.116	11.928	10.999	11.263	11.025
62322	3.938	4.346	4.117	3.619	3.982	5.351	5.433	5.211	5.338	5.215	5.310	5.175	5.332	5.250	5.284	5.092	5.191
623220	3.938	4.346	4.117	3.619	3.982	5.351	5.433	5.211	5.338	5.215	5.310	5.175	5.332	5.250	5.284	5.092	5.191
6233	29.795	34.121	31.040	30.005	28.588	30.411	29.184	27.879	26.443	24.261	23.282	22.837	22.621	22.699	22.041	21.122	22.028
62331	29.795	34.121	31.040	30.005	28.588	30.411	29.184	27.879	26.443	24.261	23.282	22.837	22.621	22.699	22.041	21.122	22.028
623311	18.381	21.358	19.240	18.666	17.756	19.184	18.291	17.273	16.549	14.697	14.290	13.725	13.896	12.672	12.337	11.752	12.387
623312	8.072	8.282	8.127	7.644	7.372	6.918	7.013	7.322	6.429	7.414	6.537	7.324	6.315	10.307	9.909	9.716	9.724
6239	4.401	4.566	3.475	3.490	3.161	3.654	3.924	3.953	3.567	4.043	3.782	3.875	3.711	3.917	3.550	3.825	3.396
62399	4.401	4.566	3.475	3.490	3.161	3.654	3.924	3.953	3.567	4.043	3.782	3.875	3.711	3.917	3.550	3.825	3.396
623990	4.401	4.566	3.475	3.490	3.161	3.654	3.924	3.953	3.567	4.043	3.782	3.875	3.711	3.917	3.550	3.825	3.396
624	89.382	100.746	95.410	91.744	89.424	92.856	90.621	89.557	86.353	83.275	78.781	76.037	74.038	74.108	70.871	69.598	68.024
6241	51.901	61.260	57.343	54.793	54.983	56.292	54.912	53.957	52.778	51.174	47.591	45.863	45.442	42.187	40.580	40.082	39.178
62411	6.204	6.736	6.372	6.284	6.215	5.638	6.032	5.791	5.983	6.053	5.865	5.254	5.388	4.552	4.503	4.100	4.161
624110	6.204	6.736	6.372	6.284	6.215	5.638	6.032	5.791	5.983	6.053	5.865	5.254	5.388	4.552	4.503	4.100	4.161
62412	23.535	24.332	25.092	22.744	25.475	24.305	23.888	22.277	23.340	19.027	17.828	16.818	16.970	13.041	13.319	12.650	13.644
624120	23.535	24.332	25.092	22.744	25.475	24.305	23.888	22.277	23.340	19.027	17.828	16.818	16.970	13.041	13.319	12.650	13.644
62419	26.456	33.613	30.106	29.317	27.987	30.199	28.960	29.234	27.481	28.494	26.247	25.797	25.251	25.311	23.817	24.070	22.689
624190	26.456	33.613	30.106	29.317	27.987	30.199	28.960	29.234	27.481	28.494	26.247	25.797	25.251	25.311	23.817	24.070	22.689
6242	8.534	9.160	9.004	8.330	8.116	8.685	8.756	7.864	8.097	5.541	5.755	4.579	4.802	7.090	6.621	5.470	6.484
6243	14.782	17.436	15.950	16.908	14.135	15.642	14.193	15.899	14.087	13.309	10.828	9.652	9.747	11.595	10.363	10.305	9.831
62431	14.782	17.436	15.950	16.908	14.135	15.642	14.193	15.899	14.087	13.309	10.828	9.652	9.747	11.595	10.363	10.305	9.831
624310	14.782	17.436	15.950	16.908	14.135	15.642	14.193	15.899	14.087	13.309	10.828	9.652	9.747	11.595	10.363	10.305	9.831
6244	16.664	15.930	15.698	15.289	13.904	14.781	14.531	14.841	13.401	14.778	14.962	15.659	13.963	14.937	14.397	14.790	13.486
62441	16.664	15.930	15.698	15.289	13.904	14.781	14.531	14.841	13.401	14.778	14.962	15.659	13.963	14.937	14.397	14.790	13.486
624410	16.664	15.930	15.698	15.289	13.904	14.781	14.531	14.841	13.401	14.778	14.962	15.659	13.963	14.937	14.397	14.790	13.486
71	165.026	174.514	161.754	156.133	137.243	187.071	152.196	146.330	137.511	147.184	141.961	136.927	135.401	139.167	138.179	133.982	129.346
711	74.356	116.061	89.648	83.846	70.714	112.479	82.997	74.219	67.874	97.652	61.378	60.946	57.761	75.885	60.413	59.827	61.238

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
7112	17.012	20.711	27.514	24.913	18.156	20.298	26.074	21.552	16.411	14.734	13.466	14.198	11.115	12.007	12.682	13.454	10.826
71121	17.012	20.711	27.514	24.913	18.156	20.298	26.074	21.552	16.411	14.734	13.466	14.198	11.115	12.007	12.682	13.454	10.826
7113	2.135	6.018	2.602	2.461	1.996	5.284	2.481	2.317	1.903	5.463	2.351	2.364	2.140	4.799	2.595	2.627	2.234
71131	0.404	0.518	0.416	0.403	0.368	0.475	0.390	0.394	0.372	0.573	0.392	0.412	0.364	0.610	0.341	0.422	0.329
711310	0.404	0.518	0.416	0.403	0.368	0.475	0.390	0.394	0.372	0.573	0.392	0.412	0.364	0.610	0.341	0.422	0.329
71132	1.883	6.076	2.389	2.248	1.772	5.309	2.287	2.099	1.664	5.388	2.139	2.130	1.938	4.601	2.475	2.410	2.087
711320	1.883	6.076	2.389	2.248	1.772	5.309	2.287	2.099	1.664	5.388	2.139	2.130	1.938	4.601	2.475	2.410	2.087
7114	0.068	0.220	0.238	0.208	0.206	0.539	0.232	0.128	0.119	0.107	0.131	0.179	0.155	0.141	0.122	0.106	0.115
71141	0.068	0.220	0.238	0.208	0.206	0.539	0.232	0.128	0.119	0.107	0.131	0.179	0.155	0.141	0.122	0.106	0.115
711410	0.068	0.220	0.238	0.208	0.206	0.539	0.232	0.128	0.119	0.107	0.131	0.179	0.155	0.141	0.122	0.106	0.115
712	6.423	7.669	6.747	7.346	6.452	7.536	6.172	6.842	5.805	6.699	5.660	6.236	5.266	5.984	5.250	6.025	5.025
7121	6.423	7.669	6.747	7.346	6.452	7.536	6.172	6.842	5.805	6.699	5.660	6.236	5.266	5.984	5.250	6.025	5.025
713	135.148	125.575	124.513	118.577	105.409	141.429	118.241	112.963	108.873	105.265	116.834	109.540	112.161	107.040	114.288	107.353	104.807
7139	11.990	11.611	12.045	11.132	9.304	10.320	11.008	10.494	8.980	9.758	11.516	10.738	9.440	10.183	11.550	10.672	8.852
71391	9.207	11.301	11.935	10.593	8.844	10.657	11.196	10.387	8.868	9.984	11.039	10.461	8.954	10.230	11.277	10.515	8.866
713910	9.207	11.301	11.935	10.593	8.844	10.657	11.196	10.387	8.868	9.984	11.039	10.461	8.954	10.230	11.277	10.515	8.866
71393	0.746	0.752	1.062	1.017	0.656	1.032	1.085	0.928	0.812	0.914	1.493	1.238	0.744	1.337	1.376	1.470	0.762
713930	0.746	0.752	1.062	1.017	0.656	1.032	1.085	0.928	0.812	0.914	1.493	1.238	0.744	1.337	1.376	1.470	0.762
71394	14.383	11.609	11.869	11.424	10.139	10.928	11.482	11.434	9.925	10.914	11.963	11.293	11.079	11.400	12.206	11.461	9.765
713940	14.526	11.724	11.987	11.538	10.240	11.036	11.597	11.548	10.023	11.022	12.082	11.406	11.189	11.513	12.327	11.575	9.862
71395	5.112	5.452	5.642	5.430	3.260	2.694	2.831	2.305	2.000	2.199	2.455	2.173	2.692	2.314	2.391	2.055	2.452
713950	5.112	5.452	5.642	5.430	3.260	2.694	2.831	2.305	2.000	2.199	2.455	2.173	2.692	2.314	2.391	2.055	2.452
71399	6.275	5.752	5.572	4.643	4.494	4.971	5.998	5.838	3.828	3.847	8.175	7.261	3.390	3.884	7.475	6.192	3.698
713990	7.182	6.583	6.378	5.314	5.143	5.689	6.865	6.681	4.381	4.403	9.357	8.310	3.880	4.445	8.555	7.087	4.233
72	373.358	401.095	390.828	386.235	360.095	367.838	363.540	360.650	336.524	342.735	346.016	339.405	324.326	333.576	331.387	336.478	322.062
721	79.483	96.692	87.617	88.022	84.347	78.150	79.329	74.407	73.224	77.568	76.040	76.186	76.517	78.910	79.115	76.461	76.318
7211	70.793	86.012	78.118	78.533	75.291	69.579	70.714	66.275	65.258	68.833	67.742	67.651	68.088	69.592	69.764	67.405	67.376
72111	46.764	56.884	51.726	52.077	49.907	46.012	46.900	43.782	43.101	45.469	44.831	44.701	45.167	46.050	46.319	44.643	44.731
721110	46.764	56.884	51.726	52.077	49.907	46.012	46.900	43.782	43.101	45.469	44.831	44.701	45.167	46.050	46.319	44.643	44.731
72119	0.686	0.786	0.670	0.619	0.608	0.639	0.551	0.641	0.638	0.668	0.598	0.647	0.525	0.618	0.509	0.570	0.493
721191	0.325	0.406	0.279	0.258	0.253	0.266	0.230	0.267	0.260	0.284	0.220	0.238	0.193	0.241	0.199	0.206	0.178
721199	0.331	0.333	0.375	0.347	0.340	0.358	0.309	0.359	0.365	0.366	0.375	0.406	0.329	0.368	0.304	0.363	0.314
722	291.976	308.711	303.702	299.504	278.234	287.729	283.449	283.078	262.477	266.010	269.552	263.700	250.355	257.404	255.398	261.018	248.461
7223	10.522	12.871	12.649	11.526	10.230	13.262	12.857	12.083	11.869	11.250	11.264	11.121	11.210	11.673	11.514	11.343	10.989
72231	9.709	11.591	10.437	9.474	9.546	10.742	10.413	11.017	10.822	9.950	9.963	10.429	10.512	10.369	9.805	9.272	10.486
722310	9.709	11.591	10.437	9.474	9.546	10.742	10.413	11.017	10.822	9.950	9.963	10.429	10.512	10.369	9.805	9.272	10.486
7224	10.218	10.027	9.702	9.984	9.193	8.217	7.985	7.910	7.123	7.074	7.308	7.405	6.762	7.203	7.022	7.273	7.313
72241	10.218	10.027	9.702	9.984	9.193	8.217	7.985	7.910	7.123	7.074	7.308	7.405	6.762	7.203	7.022	7.273	7.313
722410	10.218	10.027	9.702	9.984	9.193	8.217	7.985	7.910	7.123	7.074	7.308	7.405	6.762	7.203	7.022	7.273	7.313
81	201.375	231.907	217.155	212.134	201.147	220.475	211.808	204.513	197.885	213.216	204.057	199.162	192.777	211.001	204.086	200.990	192.593
811	75.376	89.147	84.352	79.974	77.288	84.307	80.645	77.993	76.673	83.314	78.295	75.047	74.613	92.905	83.414	80.139	76.055
8111	48.293	54.417	50.810	50.638	45.224	50.558	47.791	48.317	44.431	48.669	46.332	45.471	43.496	49.077	44.997	45.868	42.718
81111	21.293	23.429	22.484	22.312	19.874	22.076	20.808	20.831	19.626	20.770	19.958	19.468	18.656	22.274	20.543	20.460	19.266
811111	19.748	21.164	20.631	20.149	18.025	18.908	18.576	18.270	17.403	17.972	17.717	16.939	16.226	19.242	18.835	18.491	17.289
811112	0.710	0.751	0.738	0.784	0.710	0.333	0.287	0.305	0.239	0.261	0.234	0.253	0.228	0.275	0.211	0.205	0.186
811113	1.478	1.461	1.519	1.760	1.592	1.822	1.543	1.740	1.470	1.585	1.448	1.644	1.624	1.414	1.367	1.509	1.523
811118	0.512	0.685	0.585	0.590	0.507	0.876	0.729	0.756	0.714	0.824	0.731	0.736	0.705	0.924	0.677	0.703	0.672
81112	20.336	23.349	21.056	21.026	18.723	21.125	19.788	20.069	18.679	20.713	19.377	19.552	18.639	19.381	17.575	18.483	17.441
811121	14.183	16.144	14.432	14.403	12.910	14.598	13.557	13.686	12.787	13.691	12.910	12.903	12.398	12.807	11.562	12.145	11.681
811122	2.684	3.415	3.379	3.394	2.823	3.109	3.191	3.386	3.035	4.520	3.989	4.316	3.885	4.238	3.967	4.203	3.446
81119	6.588	7.603	7.146	7.180	6.512	7.252	7.070	7.296	6.054	7.128	6.899	6.425	6.168	7.184	6.636	6.747	5.878
811191	3.134	3.616	3.399	3.415	3.098	3.616	3.356	3.732	3.154	3.492	3.309	3.493	2.912	3.623	3.302	3.419	3.055
811192	2.817	3.107	3.088	2.974	2.855	2.893	3.154	3.072	2.417	2.784	2.914	2.388	2.586	2.887	2.706	2.733	2.311
811198	0.220	0.242	0.241	0.232	0.223	0.352	0.214	0.240	0.252	0.397	0.287	0.320	0.281	0.325	0.293	0.289	0.267
8112	3.749	4.986	4.062	3.817	4.131	4.535	4.304	4.092	4.891	5.864	5.057	4.689	5.219	5.135	5.476	4.688	4.998
81121	3.749	4.986	4.062	3.817	4.131	4.535	4.304	4.092	4.891	5.864	5.057	4.689	5.219	5.135	5.476	4.688	4.998

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
811212	0.912	1.025	1.057	0.826	0.848	0.842	0.829	0.849	0.743	0.868	0.760	0.757	0.743	1.119	1.023	1.032	0.950
811219	3.025	4.079	3.253	3.105	3.346	3.705	3.474	3.288	4.019	4.844	4.137	3.820	4.292	4.099	4.428	3.724	4.014
8113	22.884	28.553	28.352	24.807	26.452	28.013	26.559	24.164	24.236	25.301	23.402	22.119	22.579	36.984	28.878	26.919	24.880
81131	22.884	28.553	28.352	24.807	26.452	28.013	26.559	24.164	24.236	25.301	23.402	22.119	22.579	36.984	28.878	26.919	24.880
811310	22.884	28.553	28.352	24.807	26.452	28.013	26.559	24.164	24.236	25.301	23.402	22.119	22.579	36.984	28.878	26.919	24.880
8114	1.773	2.041	2.241	2.037	2.004	2.035	2.263	2.061	2.200	2.163	2.344	2.119	2.027	2.247	2.528	2.283	2.231
81141	0.584	0.708	0.783	0.731	0.709	0.668	0.793	0.679	0.803	0.743	0.827	0.723	0.713	0.796	1.003	0.877	0.828
81142	0.306	0.371	0.411	0.383	0.372	0.351	0.416	0.356	0.422	0.390	0.434	0.397	0.347	0.349	0.392	0.384	0.395
811420	0.306	0.371	0.411	0.383	0.372	0.351	0.416	0.356	0.422	0.390	0.434	0.397	0.347	0.349	0.392	0.384	0.395
81149	1.558	1.706	2.010	1.608	1.703	1.908	1.956	1.883	1.886	1.956	1.752	1.683	1.644	1.948	1.692	1.530	1.554
811490	1.430	1.566	1.844	1.475	1.563	1.750	1.794	1.728	1.730	1.795	1.607	1.544	1.508	1.787	1.552	1.404	1.426
812	45.735	51.488	48.442	48.515	45.361	49.210	47.590	47.114	44.674	47.623	45.519	45.556	42.335	45.582	42.977	44.058	41.976
8121	14.239	16.384	15.249	15.598	13.952	15.042	14.289	14.582	13.269	14.261	13.263	13.348	12.298	13.201	12.480	12.423	11.964
81211	10.070	11.277	10.750	10.957	10.018	9.953	10.043	10.146	9.508	9.497	9.188	9.104	8.452	8.796	8.680	8.633	8.356
812111	0.417	0.429	0.369	0.356	0.327	0.337	0.289	0.274	0.187	0.181	0.148	0.192	0.143	0.160	0.182	0.174	0.167
812112	8.176	9.329	8.979	9.107	8.600	8.520	8.382	8.526	8.300	8.262	8.109	8.075	7.665	7.935	7.783	7.726	7.597
812113	1.835	1.857	1.713	1.862	1.258	1.260	1.729	1.693	1.231	1.286	1.114	0.943	0.678	0.749	0.765	0.798	0.585
81219	4.430	5.490	4.787	4.946	4.149	5.548	4.525	4.746	3.971	5.181	4.369	4.577	4.136	4.791	4.067	4.058	3.854
812191	0.882	1.093	0.760	0.785	0.658	0.880	0.800	0.839	0.702	1.417	1.195	1.507	1.160	1.343	1.276	1.288	1.359
812199	3.335	4.133	3.711	3.834	3.216	4.301	3.462	3.632	3.038	3.686	3.108	3.116	2.927	3.390	2.803	2.788	2.573
8122	7.217	7.988	7.936	7.837	7.457	7.735	7.436	7.596	7.305	7.503	7.368	7.453	6.953	7.888	7.182	7.976	7.030
81221	6.142	6.800	6.819	6.729	6.402	6.592	6.223	6.247	5.978	6.278	5.843	6.022	5.883	6.281	5.729	6.211	5.716
812210	5.998	6.641	6.660	6.572	6.252	6.438	6.078	6.101	5.838	6.131	5.707	5.881	5.746	6.134	5.595	6.066	5.582
81222	0.938	1.036	0.978	0.970	0.924	0.997	1.052	1.163	1.143	1.062	1.303	1.228	0.931	1.375	1.243	1.503	1.130
812220	0.938	1.036	0.978	0.970	0.924	0.997	1.052	1.163	1.143	1.062	1.303	1.228	0.931	1.375	1.243	1.503	1.130
8123	14.437	15.846	14.792	14.923	14.335	15.615	15.065	14.549	14.126	15.040	14.467	14.586	13.888	14.961	14.296	14.610	14.266
81231	2.845	2.922	2.736	2.964	2.657	3.048	2.859	2.649	2.249	2.254	1.983	1.989	1.672	1.826	1.745	1.962	1.916
812310	2.862	2.940	2.752	2.982	2.673	3.066	2.876	2.665	2.262	2.268	1.995	2.001	1.682	1.837	1.755	1.974	1.927
81232	3.890	4.454	4.218	4.426	4.086	4.407	4.271	4.442	4.156	4.466	4.365	4.554	4.247	4.623	4.440	4.729	4.641
812320	3.889	4.453	4.217	4.424	4.085	4.406	4.270	4.441	4.155	4.465	4.364	4.553	4.246	4.622	4.439	4.728	4.640
81233	8.619	9.398	8.728	8.613	8.457	9.190	8.881	8.390	8.370	8.931	8.607	8.572	8.303	8.840	8.490	8.478	8.321
8129	9.788	11.309	10.614	9.975	9.602	10.932	11.171	10.637	10.359	11.234	10.983	10.555	9.346	9.597	8.965	9.157	8.585
81291	2.741	3.166	3.080	2.854	2.681	2.659	2.927	2.546	2.535	2.381	2.557	2.369	2.240	2.237	2.140	2.082	1.984
812910	2.741	3.166	3.080	2.854	2.681	2.659	2.927	2.546	2.535	2.381	2.557	2.369	2.240	2.237	2.140	2.082	1.984
81293	3.532	4.132	3.605	3.557	3.692	4.491	4.415	4.348	4.252	4.735	4.662	4.340	3.793	3.847	3.728	3.769	3.644
812930	3.532	4.132	3.605	3.557	3.692	4.491	4.415	4.348	4.252	4.735	4.662	4.340	3.793	3.847	3.728	3.769	3.644
813	81.108	92.666	85.307	84.367	79.313	87.133	84.032	78.486	76.551	81.877	80.818	78.345	76.217	78.607	77.691	75.887	74.363
8132	63.753	72.737	61.127	69.419	62.393	70.964	65.931	57.045	55.459	69.412	58.502	61.605	56.922	57.946	49.536	54.094	52.863
81321	63.753	72.737	61.127	69.419	62.393	70.964	65.931	57.045	55.459	69.412	58.502	61.605	56.922	57.946	49.536	54.094	52.863
813211	54.802	69.617	58.743	69.430	61.467	69.808	67.932	52.894	52.268	66.076	57.935	61.059	56.646	54.068	48.923	53.962	53.671
813212	8.935	6.380	5.384	6.363	5.634	6.398	6.226	4.848	4.017	5.668	4.130	4.673	3.835	4.981	3.473	4.061	3.540
813219	6.421	8.041	6.785	8.019	7.099	8.063	7.846	6.109	6.023	6.957	5.429	5.522	5.285	6.056	4.656	4.749	4.546
8133	7.877	8.938	8.057	7.993	8.068	8.503	8.010	7.748	7.766	7.145	6.749	6.467	6.590	6.570	7.005	6.967	6.963
81331	7.877	8.938	8.057	7.993	8.068	8.503	8.010	7.748	7.766	7.145	6.749	6.467	6.590	6.570	7.005	6.967	6.963
813319	4.411	5.015	4.633	4.659	4.698	4.820	4.524	4.367	4.405	4.063	3.802	3.628	3.752	3.680	4.071	4.048	4.039
8134	6.157	6.893	7.719	6.726	6.248	6.241	7.660	6.750	6.308	6.061	7.373	6.867	6.441	6.318	7.394	7.104	6.622
81341	6.157	6.893	7.719	6.726	6.248	6.241	7.660	6.750	6.308	6.061	7.373	6.867	6.441	6.318	7.394	7.104	6.622
813410	6.086	6.813	7.630	6.648	6.176	6.169	7.572	6.672	6.235	5.991	7.288	6.787	6.366	6.245	7.309	7.022	6.545
8139	23.098	26.449	24.166	23.438	21.927	24.695	22.822	22.007	21.247	22.862	23.204	22.078	21.622	22.727	22.207	20.746	20.503
81391	14.260	14.162	13.106	13.123	12.873	14.402	12.618	12.554	12.171	12.979	12.647	12.837	12.774	13.782	12.765	12.107	12.070
813910	14.260	14.162	13.106	13.123	12.873	14.402	12.618	12.554	12.171	12.979	12.647	12.837	12.774	13.782	12.765	12.107	12.070
81392	6.506	9.352	8.655	8.666	8.501	9.511	8.333	7.519	7.289	7.868	7.111	7.218	7.182	8.680	8.040	6.775	6.754
813920	6.506	9.352	8.655	8.666	8.501	9.511	8.333	7.519	7.289	7.868	7.111	7.218	7.182	8.680	8.040	6.775	6.754

Method 2. We first compute the revenues-to-payroll ratios from 2002, 2007, and 2012 Economic Census' for Tulsa County only. Using the only overlapping year, 2012, we incorporate quarterly seasonal patterns of payrolls (from Quarterly Census of Employment and Wages) to adjust the 2012 revenues-to-payroll ratios. This generates four quarterly seasonally adjusted revenues-to-payroll ratios. We then use these new seasonally corrected revenues-to-payroll ratios to estimate revenues from the quarterly payrolls. To generate upper (lower) 75%ile, we then add (subtract) one standard deviation and repeat the procedure. This method generates one median estimate and two upper/lower estimates. The following table reports the median estimates.

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
51	41.828	45.400	44.507	44.976	39.954	49.601	46.493	49.198	44.984	48.210	46.851	55.961	40.061	47.095	47.095	47.095	47.095
511	45.286	46.718	44.791	44.987	44.856	44.062	46.239	45.846	49.110	49.492	51.684	49.576	90.784	52.290	52.290	52.290	52.290
5111	35.358	37.078	34.900	35.891	35.498	35.228	37.101	37.173	38.231	39.783	41.707	40.559	82.605	43.291	43.291	43.291	43.291
51111	11.437	11.025	10.257	12.767	11.139	10.496	10.776	10.678	10.772	12.583	12.661	12.489	49.876	15.286	15.286	15.286	15.286
511110	11.437	11.025	10.257	12.767	11.139	10.496	10.776	10.678	10.772	12.583	12.661	12.489	49.876	15.286	15.286	15.286	15.286
51112	20.993	20.684	19.537	19.777	19.941	19.790	20.346	19.834	21.068	22.209	22.043	20.727	20.782	20.664	20.664	20.664	20.664
511120	20.993	20.684	19.537	19.777	19.941	19.790	20.346	19.834	21.068	22.209	22.043	20.727	20.782	20.664	20.664	20.664	20.664
51113	0.236	-	-	0.250	0.225	-	-	0.251	0.237	-	-	0.262	0.234	-	-	0.261	0.233
511130	0.236	-	-	0.250	0.225	-	-	0.251	0.237	-	-	0.262	0.234	-	-	0.261	0.233
51114	5.585	5.503	5.198	5.261	5.305	5.265	5.413	5.277	5.605	5.908	6.371	5.990	6.006	5.972	5.972	5.972	5.972
511140	5.585	5.503	5.198	5.261	5.305	5.265	5.413	5.277	5.605	5.908	6.371	5.990	6.006	5.972	5.972	5.972	5.972
51119	0.138	0.130	-	-	0.142	0.110	-	-	0.139	0.171	-	-	0.176	0.095	-	-	0.143
5112	12.022	11.527	12.088	11.100	11.346	10.594	11.156	10.580	13.170	11.669	12.179	10.998	10.270	10.974	10.974	10.974	10.974
51121	12.022	11.527	12.088	11.100	11.346	10.594	11.156	10.580	13.170	11.669	12.179	10.998	10.270	10.974	10.974	10.974	10.974
511210	12.022	11.527	12.088	11.100	11.346	10.594	11.156	10.580	13.170	11.669	12.179	10.998	10.270	10.974	10.974	10.974	10.974
51213	13.681	11.471	10.570	10.847	12.986	8.868	6.705	6.895	7.983	7.318	7.154	7.062	7.714	7.154	7.154	7.154	7.154
515	27.435	26.946	28.022	29.093	26.601	27.185	26.227	29.901	27.210	26.966	27.904	28.869	24.577	27.927	27.927	27.927	27.927
515111	0.518	0.516	0.547	0.575	0.509	0.551	0.581	0.566	0.529	0.611	0.592	0.611	0.530	0.583	0.583	0.583	0.583
51512	19.250	18.532	18.579	18.557	17.754	17.414	15.766	18.030	17.328	17.484	16.836	17.541	15.226	15.465	15.465	15.465	15.465
515120	19.250	18.532	18.579	18.557	17.754	17.414	15.766	18.030	17.328	17.484	16.836	17.541	15.226	15.465	15.465	15.465	15.465
517	2.650	2.877	2.816	2.909	2.901	2.801	2.988	3.000	3.060	2.856	2.958	2.860	2.893	3.035	3.035	3.035	3.035
517110	3.607	4.405	4.277	4.124	4.109	3.837	4.244	4.279	4.392	4.009	4.219	4.195	4.242	4.112	4.112	4.112	4.112
517911	2.616	0.520	0.337	2.256	1.983	2.949	2.621	2.954	2.855	2.800	2.189	1.924	1.707	1.687	1.687	1.687	1.687
518	11.743	15.578	13.669	12.974	10.452	19.615	17.278	16.298	14.714	18.388	15.989	24.232	12.590	16.133	16.133	16.133	16.133
5182	11.949	15.850	13.908	13.202	10.635	19.959	17.580	16.583	14.972	18.710	16.269	24.656	12.810	16.415	16.415	16.415	16.415
51821	11.949	15.850	13.908	13.202	10.635	19.959	17.580	16.583	14.972	18.710	16.269	24.656	12.810	16.415	16.415	16.415	16.415
518210	11.949	15.850	13.908	13.202	10.635	19.959	17.580	16.583	14.972	18.710	16.269	24.656	12.810	16.415	16.415	16.415	16.415
51913	6.672	4.283	3.989	3.909	4.998	7.519	3.409	5.613	6.008	11.299	5.106	5.690	6.887	2.289	2.289	2.289	2.289
519130	7.621	4.892	4.557	4.465	5.709	8.588	3.894	6.412	6.863	12.906	5.832	6.499	7.867	2.615	2.615	2.615	2.615
52	130.975	121.773	126.993	128.766	129.326	120.643	119.567	132.715	143.622	119.453	118.458	122.918	122.214	113.606	113.606	113.606	113.606
522130	26.197	21.846	22.084	22.406	23.347	20.636	20.540	20.867	21.980	20.089	19.945	20.753	20.850	18.788	18.788	18.788	18.788
5222	144.557	135.619	146.608	138.043	142.163	116.426	117.361	115.426	140.272	123.014	122.613	125.997	126.864	111.981	111.981	111.981	111.981
52229	116.836	113.859	114.683	108.620	116.040	86.349	87.871	84.575	116.940	92.415	90.545	95.176	101.686	84.278	84.278	84.278	84.278
522291	8.283	7.507	8.679	7.998	9.232	7.637	8.954	8.494	9.080	7.723	7.644	7.550	7.793	6.926	6.926	6.926	6.926
522292	60.227	60.429	58.023	55.579	57.800	41.191	39.539	37.204	58.996	45.075	43.357	46.530	50.637	40.255	40.255	40.255	40.255
5223	11.188	8.419	10.403	9.700	16.284	9.398	10.039	8.967	10.686	7.226	8.544	8.412	9.290	7.837	7.837	7.837	7.837
52239	3.270	2.359	3.065	2.770	5.574	2.851	3.135	2.784	3.421	2.636	3.239	3.086	3.403	2.891	2.891	2.891	2.891
522390	3.270	2.359	3.065	2.770	5.574	2.851	3.135	2.784	3.421	2.636	3.239	3.086	3.403	2.891	2.891	2.891	2.891
523	107.458	116.340	108.137	123.933	113.174	90.516	89.793	92.590	135.702	77.499	76.918	82.770	107.353	99.319	99.319	99.319	99.319
5231	73.794	70.066	65.126	74.640	74.647	63.510	63.002	64.965	89.506	54.376	53.969	58.075	78.635	69.443	69.443	69.443	69.443
52311	1.688	1.554	1.444	1.655	1.701	2.190	2.173	2.240	2.039	1.875	1.861	2.003	2.210	1.733	1.733	1.733	1.733

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
523110	1.688	1.554	1.444	1.655	1.701	2.190	2.173	2.240	2.039	1.875	1.861	2.003	2.210	1.733	1.733	1.733	1.733
52312	72.875	71.771	73.069	69.564	73.932	78.189	75.006	70.340	70.569	75.541	72.830	73.311	68.767	64.657	64.657	64.657	64.657
523120	72.875	71.771	73.069	69.564	73.932	78.189	75.006	70.340	70.569	75.541	72.830	73.311	68.767	64.657	64.657	64.657	64.657
5239	34.470	36.881	42.544	41.619	38.982	35.098	34.362	36.564	36.953	30.483	30.142	32.105	30.151	30.778	30.778	30.778	30.778
52391	3.192	6.587	6.595	7.411	6.071	8.169	6.683	7.730	8.866	7.743	6.493	7.386	7.759	8.508	8.508	8.508	8.508
523910	3.192	6.587	6.595	7.411	6.071	8.169	6.683	7.730	8.866	7.743	6.493	7.386	7.759	8.508	8.508	8.508	8.508
52392	9.508	6.901	11.209	9.648	9.823	6.907	9.458	8.841	8.975	5.844	7.444	7.302	6.640	6.588	6.588	6.588	6.588
523920	9.508	6.901	11.209	9.648	9.823	6.907	9.458	8.841	8.975	5.844	7.444	7.302	6.640	6.588	6.588	6.588	6.588
52393	11.057	12.604	11.155	12.332	11.551	10.164	7.522	8.911	7.983	8.162	6.659	7.408	6.373	6.272	6.272	6.272	6.272
523930	11.057	12.604	11.155	12.332	11.551	10.164	7.522	8.911	7.983	8.162	6.659	7.408	6.373	6.272	6.272	6.272	6.272
52399	4.540	3.398	4.499	4.513	4.734	4.313	4.473	4.244	4.232	4.069	4.414	4.361	4.382	4.312	4.312	4.312	4.312
523991	3.340	2.405	3.229	3.257	3.483	3.052	3.211	3.063	3.113	2.880	3.077	3.081	3.082	3.077	3.077	3.077	3.077
523999	0.745	0.918	0.980	0.917	0.777	1.165	0.975	0.862	0.694	1.100	1.375	1.161	1.189	1.023	1.023	1.023	1.023
524	77.085	73.350	75.339	77.986	80.538	72.089	72.087	74.143	76.361	67.806	67.570	70.798	70.600	66.506	66.506	66.506	66.506
5242	91.115	79.357	82.982	88.768	87.452	72.967	72.814	75.085	75.303	67.985	68.661	71.493	71.227	66.602	66.602	66.602	66.602
52421	77.108	66.876	69.620	76.473	75.861	61.257	61.272	64.214	64.864	56.900	57.256	60.230	59.730	54.387	54.387	54.387	54.387
524210	77.108	66.876	69.620	76.473	75.861	61.257	61.272	64.214	64.864	56.900	57.256	60.230	59.730	54.387	54.387	54.387	54.387
52429	13.534	11.803	12.878	11.466	10.887	11.154	11.078	10.254	9.894	10.615	11.077	10.841	11.201	12.134	12.134	12.134	12.134
524291	6.106	5.793	6.548	5.908	5.502	5.840	5.733	5.413	5.328	5.863	7.017	6.418	7.316	8.325	8.325	8.325	8.325
524292	4.744	3.870	4.200	3.869	3.736	3.705	3.567	3.377	3.202	3.454	3.490	3.568	3.658	3.552	3.552	3.552	3.552
524298	0.203	0.221	0.239	0.161	0.149	0.147	0.219	0.168	0.179	0.149	0.138	0.118	0.099	0.222	0.222	0.222	0.222
53	223.386	86.930	201.876	232.474	218.357	83.384	194.993	211.659	205.049	73.197	161.436	254.767	180.081	213.252	213.252	213.252	213.252
531	138.755	138.221	143.549	138.851	137.815	129.096	137.678	126.944	122.984	129.844	122.480	127.083	120.665	122.612	122.612	122.612	122.612
5311	61.855	58.756	62.616	61.480	63.550	49.997	52.857	51.235	51.919	50.530	51.249	51.710	53.169	49.421	49.421	49.421	49.421
53111	17.567	17.144	18.272	17.466	17.266	17.196	20.897	19.461	18.595	16.496	19.709	18.067	18.366	18.590	18.590	18.590	18.590
531110	18.096	17.660	18.822	17.992	17.785	17.713	21.525	20.046	19.155	16.992	20.302	18.611	18.919	19.149	19.149	19.149	19.149
53112	47.273	45.501	45.759	48.542	50.052	31.517	28.257	27.943	30.820	34.332	28.446	32.016	33.192	27.961	27.961	27.961	27.961
531120	47.493	45.714	45.972	48.768	50.285	31.664	28.389	28.074	30.964	34.492	28.579	32.166	33.347	28.091	28.091	28.091	28.091
53113	3.013	3.221	3.445	3.252	3.240	3.314	3.483	3.714	3.673	3.314	3.484	3.848	3.647	3.446	3.446	3.446	3.446
531130	3.013	3.221	3.445	3.252	3.240	3.314	3.483	3.714	3.673	3.314	3.484	3.848	3.647	3.446	3.446	3.446	3.446
53119	0.530	0.519	0.493	0.436	0.438	0.677	0.645	0.636	0.562	0.501	0.512	0.417	0.487	0.496	0.496	0.496	0.496
531190	0.512	0.502	0.477	0.421	0.424	0.654	0.624	0.615	0.543	0.484	0.495	0.403	0.471	0.480	0.480	0.480	0.480
5312	37.476	37.331	38.828	37.899	40.234	41.947	45.426	39.142	35.385	41.678	35.467	38.107	33.767	38.632	38.632	38.632	38.632
53121	37.476	37.331	38.828	37.899	40.234	41.947	45.426	39.142	35.385	41.678	35.467	38.107	33.767	38.632	38.632	38.632	38.632
531210	37.263	37.119	38.607	37.684	40.005	41.709	45.168	38.920	35.184	41.441	35.266	37.891	33.575	38.412	38.412	38.412	38.412
5313	38.255	40.195	40.146	38.104	35.198	34.445	36.651	34.353	33.855	34.922	33.778	34.846	32.816	32.719	32.719	32.719	32.719
53131	29.623	31.491	31.253	29.835	27.641	27.216	28.862	27.358	26.534	27.454	25.771	26.970	25.228	25.283	25.283	25.283	25.283
531311	21.438	22.757	21.493	20.663	19.791	19.204	19.103	18.921	19.759	18.896	18.904	18.920	18.553	20.400	20.400	20.400	20.400
531312	7.461	7.867	8.718	8.132	7.073	7.028	8.493	7.472	6.392	7.325	6.488	7.216	6.199	5.266	5.266	5.266	5.266
53132	2.309	2.368	2.516	2.519	1.912	1.696	2.044	1.917	1.640	2.978	2.631	2.609	2.241	2.244	2.244	2.244	2.244
531320	2.309	2.368	2.516	2.519	1.912	1.696	2.044	1.917	1.640	2.978	2.631	2.609	2.241	2.244	2.244	2.244	2.244
53139	4.549	4.837	4.473	3.769	2.327	2.913	3.377	2.680	2.292	3.345	2.843	2.739	2.353	3.148	3.148	3.148	3.148
531390	4.549	4.837	4.473	3.769	2.327	2.913	3.377	2.680	2.292	3.345	2.843	2.739	2.353	3.148	3.148	3.148	3.148
532	74.016	15.248	57.563	81.171	70.779	15.290	56.273	73.582	71.694	10.269	41.350	111.764	52.819	78.411	78.411	78.411	78.411
5321	15.509	2.660	12.643	21.578	16.869	2.797	12.614	18.901	17.506	1.654	8.596	36.661	11.821	20.280	20.280	20.280	20.280
53211	8.815	1.471	7.182	12.566	9.678	1.529	7.076	10.741	9.973	0.871	4.702	21.763	6.579	11.790	11.790	11.790	11.790
53212	10.394	9.269	9.618	9.174	9.689	11.696	11.749	11.178	11.336	10.495	10.940	10.726	10.450	8.864	8.864	8.864	8.864
532120	10.162	9.062	9.403	8.969	9.473	11.435	11.486	10.929	11.083	10.260	10.696	10.487	10.217	8.666	8.666	8.666	8.666
5322	9.371	13.508	12.386	12.034	9.373	12.151	11.470	11.528	10.093	10.073	9.691	9.521	8.511	10.800	10.800	10.800	10.800
53221	3.538	3.575	3.389	3.486	3.254	3.065	3.216	3.329	3.289	3.421	3.529	3.586	3.291	3.474	3.474	3.474	3.474
532210	3.538	3.575	3.389	3.486	3.254	3.065	3.216	3.329	3.289	3.421	3.529	3.586	3.291	3.474	3.474	3.474	3.474
53229	4.072	6.871	6.492	6.410	4.225	6.389	5.855	5.961	4.761	4.066	3.851	3.857	3.239	4.456	4.456	4.456	4.456
5323	2.098	2.298	2.207	2.100	2.082	2.410	2.241	2.184	1.982	2.219	2.239	2.091	2.099	2.274	2.274	2.274	2.274
53231	2.098	2.298	2.207	2.100	2.082	2.410	2.241	2.184	1.982	2.219	2.239	2.091	2.099	2.274	2.274	2.274	2.274
532310	2.098	2.298	2.207	2.100	2.082	2.410	2.241	2.184	1.982	2.219	2.239	2.091	2.099	2.274	2.274	2.274	2.274
5324	84.235	54.594	49.298	41.914	57.018	49.502	46.096	39.638	51.707	40.329	37.212	33.014	42.325	44.888	44.888	44.888	44.888

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
533	11.627	3.875	9.076	9.787	8.822	3.652	7.384	7.002	7.193	3.586	6.715	7.224	6.385	13.075	13.075	13.075	13.075
5331	11.627	3.875	9.076	9.787	8.822	3.652	7.384	7.002	7.193	3.586	6.715	7.224	6.385	13.075	13.075	13.075	13.075
53311	11.627	3.875	9.076	9.787	8.822	3.652	7.384	7.002	7.193	3.586	6.715	7.224	6.385	13.075	13.075	13.075	13.075
533110	9.879	3.292	7.712	8.316	7.496	3.103	6.274	5.949	6.111	3.047	5.705	6.138	5.425	11.110	11.110	11.110	11.110
54	731.206	538.233	675.760	681.380	738.668	517.372	637.355	646.994	714.482	523.146	632.417	628.725	652.689	564.327	564.327	564.327	564.327
541	731.206	538.233	675.760	681.380	738.668	517.372	637.355	646.994	714.482	523.146	632.417	628.725	652.689	564.327	564.327	564.327	564.327
5411	377.511	348.437	352.675	358.779	391.362	351.246	333.612	343.453	367.441	352.998	328.606	350.613	365.977	329.805	329.805	329.805	329.805
54111	340.292	310.681	316.047	320.066	353.081	312.678	295.395	305.640	328.217	315.028	290.386	312.090	327.220	294.594	294.594	294.594	294.594
541110	372.470	340.059	345.933	350.331	386.468	342.245	323.328	334.541	359.253	344.817	317.845	341.601	358.162	322.450	322.450	322.450	322.450
54119	14.797	15.651	14.790	15.855	15.178	16.208	15.985	15.596	16.003	15.617	16.068	15.877	15.774	14.367	14.367	14.367	14.367
541191	14.859	15.191	14.509	15.556	14.809	15.320	15.200	14.919	15.271	14.821	15.343	15.099	15.069	14.024	14.024	14.024	14.024
541199	0.133	0.406	0.302	0.323	0.353	0.638	0.584	0.521	0.545	0.583	0.553	0.578	0.528	0.331	0.331	0.331	0.331
5412	71.959	70.372	74.820	70.234	78.912	73.509	75.307	73.114	85.517	68.325	65.780	64.641	74.996	54.123	54.123	54.123	54.123
54121	71.959	70.372	74.820	70.234	78.912	73.509	75.307	73.114	85.517	68.325	65.780	64.641	74.996	54.123	54.123	54.123	54.123
541211	53.761	50.372	52.455	49.235	48.781	50.774	49.139	45.459	47.131	40.758	41.972	39.238	39.529	37.986	37.986	37.986	37.986
541213	5.180	5.717	5.486	4.800	5.038	4.451	4.567	4.348	4.283	4.263	4.629	4.214	4.121	4.581	4.581	4.581	4.581
541214	3.556	4.541	4.356	4.497	4.188	7.721	8.250	7.741	8.942	6.282	6.817	6.177	6.704	5.133	5.133	5.133	5.133
541219	8.172	7.686	8.479	7.853	9.821	6.983	7.259	7.595	9.475	7.551	6.558	7.026	8.887	5.223	5.223	5.223	5.223
5413	248.168	117.635	203.746	204.077	216.568	109.423	192.860	189.220	205.646	99.492	185.144	187.193	185.248	166.402	166.402	166.402	166.402
54131	16.923	15.708	16.466	15.727	16.180	15.592	17.176	16.454	17.121	15.698	16.549	16.307	16.117	15.136	15.136	15.136	15.136
541310	16.923	15.708	16.466	15.727	16.180	15.592	17.176	16.454	17.121	15.698	16.549	16.307	16.117	15.136	15.136	15.136	15.136
54133	237.434	91.548	180.379	183.147	197.788	83.124	172.176	170.356	184.531	72.659	158.614	164.156	161.761	139.440	139.440	139.440	139.440
541330	237.434	91.548	180.379	183.147	197.788	83.124	172.176	170.356	184.531	72.659	158.614	164.156	161.761	139.440	139.440	139.440	139.440
54134	0.567	1.020	0.846	0.513	0.584	1.053	0.707	0.486	0.510	0.697	0.692	0.442	0.482	0.857	0.857	0.857	0.857
541340	0.567	1.020	0.846	0.513	0.584	1.053	0.707	0.486	0.510	0.697	0.692	0.442	0.482	0.857	0.857	0.857	0.857
54136	1.381	1.184	1.735	1.640	1.578	1.509	1.767	1.579	1.539	1.481	1.943	1.785	2.324	2.732	2.732	2.732	2.732
541360	1.381	1.184	1.735	1.640	1.578	1.509	1.767	1.579	1.539	1.481	1.943	1.785	2.324	2.732	2.732	2.732	2.732
54137	5.798	7.697	8.285	8.673	8.804	7.486	5.501	6.181	8.481	9.682	9.196	8.765	7.577	6.648	6.648	6.648	6.648
541370	5.798	7.697	8.285	8.673	8.804	7.486	5.501	6.181	8.481	9.682	9.196	8.765	7.577	6.648	6.648	6.648	6.648
54138	28.919	22.001	25.897	25.959	25.029	22.143	24.761	23.253	23.826	19.181	21.983	22.172	23.540	20.785	20.785	20.785	20.785
541380	28.919	22.001	25.897	25.959	25.029	22.143	24.761	23.253	23.826	19.181	21.983	22.172	23.540	20.785	20.785	20.785	20.785
5414	6.888	4.377	8.603	8.845	8.026	4.809	8.462	8.456	7.349	5.177	7.578	7.515	5.942	6.244	6.244	6.244	6.244
54143	3.195	1.762	4.193	4.130	4.038	2.100	4.421	4.370	3.793	2.332	3.818	3.465	2.977	3.444	3.444	3.444	3.444
541430	3.195	1.762	4.193	4.130	4.038	2.100	4.421	4.370	3.793	2.332	3.818	3.465	2.977	3.444	3.444	3.444	3.444
5415	121.371	122.613	118.330	118.368	124.338	89.466	92.912	92.620	97.897	104.214	94.475	79.813	91.208	91.127	91.127	91.127	91.127
54151	121.371	122.613	118.330	118.368	124.338	89.466	92.912	92.620	97.897	104.214	94.475	79.813	91.208	91.127	91.127	91.127	91.127
541511	46.437	40.693	42.057	41.416	43.306	34.206	36.905	36.639	37.310	29.491	33.119	32.188	31.064	25.935	25.935	25.935	25.935
541512	38.764	40.150	38.496	38.982	40.733	34.511	36.819	37.586	39.594	52.842	42.626	33.148	41.327	34.817	34.817	34.817	34.817
541513	21.014	28.388	20.184	21.245	22.082	24.401	19.305	20.484	21.464	37.362	22.350	18.065	23.936	32.733	32.733	32.733	32.733
541519	15.515	14.676	13.911	5.131	6.081	4.705	4.962	4.948	5.911	7.204	5.745	4.363	4.551	10.205	10.205	10.205	10.205
5416	96.688	75.196	88.047	95.792	107.881	76.173	85.138	90.003	102.490	74.550	80.826	85.105	79.952	73.238	73.238	73.238	73.238
54161	64.040	44.396	54.718	59.179	69.512	45.553	53.976	56.093	67.361	45.736	52.834	54.642	49.682	47.018	47.018	47.018	47.018
541611	34.184	20.291	27.082	29.523	38.227	22.113	27.534	28.508	36.085	19.029	27.540	28.355	24.928	23.476	23.476	23.476	23.476
541612	6.761	7.640	7.735	8.536	7.728	6.894	6.845	7.502	8.873	10.564	6.200	5.928	5.979	6.410	6.410	6.410	6.410
541613	10.597	8.483	11.155	10.989	9.908	6.984	9.614	10.654	10.019	8.181	8.891	10.268	8.700	6.195	6.195	6.195	6.195
541614	10.779	10.240	9.829	10.187	10.457	9.733	9.868	9.385	9.069	9.976	10.287	11.117	10.777	10.395	10.395	10.395	10.395
541618	4.057	2.385	2.558	2.916	3.266	2.610	3.246	2.901	3.009	2.601	2.872	2.980	2.973	2.898	2.898	2.898	2.898
54162	17.772	27.454	24.027	21.635	19.223	23.658	21.873	21.674	19.053	22.934	21.133	18.961	18.692	18.237	18.237	18.237	18.237
541620	17.772	27.454	24.027	21.635	19.223	23.658	21.873	21.674	19.053	22.934	21.133	18.961	18.692	18.237	18.237	18.237	18.237
54169	37.770	32.092	34.235	47.946	52.252	35.443	31.199	40.391	41.976	29.783	23.969	33.774	37.954	25.592	25.592	25.592	25.592
541690	36.688	31.173	33.254	46.573	50.755	34.428	30.305	39.234	40.774	28.929	23.282	32.806	36.867	24.859	24.859	24.859	24.859
5417	18.818	14.997	12.372	21.199	17.345	11.282	10.886	39.194	15.517	12.688	10.447	15.595	12.798	15.881	15.881	15.881	15.881
541712	15.707	10.524	9.234	18.216	14.245	9.099	9.176	39.487	13.830	11.752	8.678	13.511	10.765	15.628	15.628	15.628	15.628
5418	22.078	18.565	20.324	20.110	20.914	20.517	20.679	19.834	21.332	20.197	20.932	20.391	22.404	22.846	22.846	22.846	22.846
54181	7.008	6.471	6.727	6.758	6.735	7.372	7.513	7.260	7.708	7.704	7.862	7.828	8.570	9.092	9.092	9.092	9.092
541810	7.008	6.471	6.727	6.758	6.735	7.372	7.513	7.260	7.708	7.704	7.862	7.828	8.570	9.092	9.092	9.092	9.092

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
54182	2.522	1.736	2.059	2.031	2.274	1.760	2.058	2.085	2.321	1.922	2.371	2.103	2.425	2.325	2.325	2.325	2.325
541820	2.522	1.736	2.059	2.031	2.274	1.760	2.058	2.085	2.321	1.922	2.371	2.103	2.425	2.325	2.325	2.325	2.325
54183	3.494	1.959	2.154	2.109	2.700	1.908	2.103	1.930	2.316	1.817	1.943	1.934	2.155	1.780	1.780	1.780	1.780
541830	3.494	1.959	2.154	2.109	2.700	1.908	2.103	1.930	2.316	1.817	1.943	1.934	2.155	1.780	1.780	1.780	1.780
541840	0.862	0.716	0.531	0.520	0.666	0.698	0.519	0.476	0.571	0.665	0.479	0.477	0.400	0.491	0.491	0.491	0.491
54185	8.626	9.621	12.597	13.748	9.191	11.065	7.839	8.005	7.130	6.755	5.908	5.117	6.529	7.021	7.021	7.021	7.021
541850	8.626	9.621	12.597	13.748	9.191	11.065	7.839	8.005	7.130	6.755	5.908	5.117	6.529	7.021	7.021	7.021	7.021
54186	1.176	1.164	1.378	1.449	1.349	1.367	0.977	1.178	1.050	1.093	0.990	1.669	1.586	1.664	1.664	1.664	1.664
541860	1.176	1.164	1.378	1.449	1.349	1.367	0.977	1.178	1.050	1.093	0.990	1.669	1.586	1.664	1.664	1.664	1.664
5419	82.014	78.045	90.619	90.485	95.580	76.015	87.349	88.998	107.404	121.334	134.961	118.536	114.180	83.108	83.108	83.108	83.108
54192	2.571	2.201	2.421	2.735	2.838	2.257	2.359	2.759	2.714	2.263	2.495	3.031	3.381	3.128	3.128	3.128	3.128
541921	2.117	1.765	2.075	2.341	2.258	1.703	1.838	2.222	2.143	1.790	2.026	2.642	2.823	2.608	2.608	2.608	2.608
541922	0.557	0.540	0.414	0.491	0.732	0.704	0.641	0.633	0.724	0.592	0.572	0.497	0.675	0.630	0.630	0.630	0.630
54194	24.177	22.678	22.919	22.432	21.493	21.034	20.958	20.485	20.283	19.821	20.743	19.363	19.393	18.629	18.629	18.629	18.629
541940	24.177	22.678	22.919	22.432	21.493	21.034	20.958	20.485	20.283	19.821	20.743	19.363	19.393	18.629	18.629	18.629	18.629
54199	29.915	32.646	37.238	39.416	43.173	32.344	36.675	40.137	53.623	67.132	71.050	62.802	58.901	36.476	36.476	36.476	36.476
541990	29.915	32.646	37.238	39.416	43.173	32.344	36.675	40.137	53.623	67.132	71.050	62.802	58.901	36.476	36.476	36.476	36.476
55	54.994	37.968	69.054	86.055	81.188	39.759	63.010	77.278	62.811	40.749	62.727	69.602	69.570	64.646	64.646	64.646	64.646
551	54.994	37.968	69.054	86.055	81.188	39.759	63.010	77.278	62.811	40.749	62.727	69.602	69.570	64.646	64.646	64.646	64.646
5511	54.994	37.968	69.054	86.055	81.188	39.759	63.010	77.278	62.811	40.749	62.727	69.602	69.570	64.646	64.646	64.646	64.646
55111	54.994	37.968	69.054	86.055	81.188	39.759	63.010	77.278	62.811	40.749	62.727	69.602	69.570	64.646	64.646	64.646	64.646
551114	17.443	11.733	21.927	28.208	26.594	13.131	21.058	26.082	20.950	13.567	21.107	23.630	23.538	21.808	21.808	21.808	21.808
56	351.747	357.388	356.633	350.338	359.551	353.103	339.163	338.831	323.178	323.215	320.317	320.132	320.005	309.035	309.035	309.035	309.035
561	314.410	320.350	319.449	312.932	322.127	318.522	304.643	304.041	289.832	290.940	287.203	286.717	287.399	277.450	277.450	277.450	277.450
5611	34.357	31.486	40.801	35.005	38.096	26.028	28.506	26.785	31.109	30.183	27.942	29.112	30.806	29.045	29.045	29.045	29.045
56111	34.357	31.486	40.801	35.005	38.096	26.028	28.506	26.785	31.109	30.183	27.942	29.112	30.806	29.045	29.045	29.045	29.045
561110	34.357	31.486	40.801	35.005	38.096	26.028	28.506	26.785	31.109	30.183	27.942	29.112	30.806	29.045	29.045	29.045	29.045
5612	8.592	5.844	2.786	2.870	2.132	3.708	2.196	2.007	1.993	2.313	2.074	1.935	1.917	2.018	2.018	2.018	2.018
56121	8.592	5.844	2.786	2.870	2.132	3.708	2.196	2.007	1.993	2.313	2.074	1.935	1.917	2.018	2.018	2.018	2.018
561210	8.592	5.844	2.786	2.870	2.132	3.708	2.196	2.007	1.993	2.313	2.074	1.935	1.917	2.018	2.018	2.018	2.018
5613	99.059	99.265	99.442	101.668	101.806	109.407	106.854	107.643	99.897	95.611	94.398	96.127	99.656	89.368	89.368	89.368	89.368
56131	8.920	6.291	6.995	8.052	6.108	6.364	8.920	9.186	8.531	8.921	8.058	7.804	8.134	7.435	7.435	7.435	7.435
56132	71.277	79.941	74.686	77.136	77.612	93.713	88.315	90.061	80.584	77.465	73.503	74.290	73.258	72.420	72.420	72.420	72.420
561320	71.277	79.941	74.686	77.136	77.612	93.713	88.315	90.061	80.584	77.465	73.503	74.290	73.258	72.420	72.420	72.420	72.420
56133	8.538	7.799	8.435	8.383	8.605	8.004	7.816	7.722	7.548	7.080	7.496	7.729	8.497	6.735	6.735	6.735	6.735
561330	8.538	7.799	8.435	8.383	8.605	8.004	7.816	7.722	7.548	7.080	7.496	7.729	8.497	6.735	6.735	6.735	6.735
5614	36.079	41.711	39.479	40.302	39.918	39.315	37.796	38.519	38.351	40.164	39.035	39.337	38.775	39.680	39.680	39.680	39.680
56142	18.659	21.849	20.378	21.091	20.781	20.023	18.931	19.567	19.526	20.514	19.771	20.018	19.592	19.885	19.885	19.885	19.885
561421	1.610	0.789	0.722	0.887	0.833	0.626	0.647	0.705	0.681	0.568	0.552	0.569	0.592	0.545	0.545	0.545	0.545
561422	18.464	21.752	20.288	20.984	20.680	19.947	18.851	19.482	19.444	20.446	19.704	19.949	19.520	19.820	19.820	19.820	19.820
56143	4.124	4.107	3.697	3.927	3.872	3.720	3.671	3.721	3.440	3.534	3.444	3.574	3.471	3.529	3.529	3.529	3.529
561431	2.615	2.104	2.283	2.545	2.371	2.007	2.195	2.364	2.093	2.210	2.383	2.165	2.038	1.998	1.998	1.998	1.998
561439	2.447	2.545	2.211	2.325	2.315	2.284	2.209	2.212	2.060	2.105	2.008	2.146	2.095	2.146	2.146	2.146	2.146
56144	9.440	11.285	11.995	11.474	10.893	12.850	13.651	12.941	12.369	13.371	13.432	13.447	13.541	15.071	15.071	15.071	15.071
561440	9.440	11.285	11.995	11.474	10.893	12.850	13.651	12.941	12.369	13.371	13.432	13.447	13.541	15.071	15.071	15.071	15.071
56149	6.664	5.813	6.914	6.227	7.254	8.143	8.718	8.001	8.953	7.548	8.717	7.476	8.557	7.261	7.261	7.261	7.261
561491	1.086	1.027	0.997	0.863	0.796	1.246	1.090	1.123	1.264	1.155	1.090	1.050	1.438	1.323	1.323	1.323	1.323
561492	0.903	0.764	0.912	1.055	0.868	0.810	0.870	0.937	0.918	0.751	0.870	0.876	0.896	0.738	0.738	0.738	0.738
561499	1.136	0.967	1.146	0.958	1.284	1.480	1.639	1.477	1.665	1.394	1.644	1.298	1.484	1.252	1.252	1.252	1.252
5615	15.302	15.789	15.002	15.294	13.478	13.312	13.638	14.009	12.418	15.605	13.040	13.254	11.526	15.455	15.455	15.455	15.455
5616	49.778	52.044	48.973	47.858	54.265	53.691	51.126	53.454	48.143	49.815	49.398	48.620	45.765	44.054	44.054	44.054	44.054
56161	32.596	31.196	31.038	29.973	38.960	38.614	37.043	38.679	35.720	35.391	36.131	33.897	33.925	32.742	32.742	32.742	32.742
561612	26.004	25.046	23.155	23.992	23.898	22.711	21.668	25.238	22.080	20.337	22.018	21.725	21.459	18.282	18.282	18.282	18.282
56162	15.460	18.727	15.884	16.138	14.765	14.708	13.715	14.444	12.396	13.958	13.040	14.022	11.802	11.309	11.309	11.309	11.309
561621	14.158	17.339	14.685	14.928	13.529	13.594	12.682	13.440	11.395	12.955	12.110	13.063	10.829	10.441	10.441	10.441	10.441
561622	1.353	1.351	1.176	1.181	1.281	1.093	1.011	0.949	1.017	0.966	0.891	0.900	1.000	0.857	0.857	0.857	0.857

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
5617	54.736	54.189	55.970	52.549	53.180	51.596	54.363	51.164	51.111	47.091	50.807	47.337	47.986	47.033	47.033	47.033	47.033
56171	7.752	5.902	7.205	6.705	7.290	5.541	6.993	6.726	6.992	5.580	7.271	6.915	7.194	6.554	6.554	6.554	6.554
561710	7.752	5.902	7.205	6.705	7.290	5.541	6.993	6.726	6.992	5.580	7.271	6.915	7.194	6.554	6.554	6.554	6.554
56172	13.188	12.662	12.179	12.458	12.624	12.934	12.719	12.378	12.348	11.249	11.889	11.380	10.984	10.649	10.649	10.649	10.649
561720	13.188	12.662	12.179	12.458	12.624	12.934	12.719	12.378	12.348	11.249	11.889	11.380	10.984	10.649	10.649	10.649	10.649
56173	32.820	33.598	34.053	30.406	30.215	30.397	32.787	29.718	29.565	27.472	28.644	26.182	26.807	27.228	27.228	27.228	27.228
561730	32.820	33.598	34.053	30.406	30.215	30.397	32.787	29.718	29.565	27.472	28.644	26.182	26.807	27.228	27.228	27.228	27.228
56174	1.259	1.341	1.425	1.259	1.140	1.200	1.223	1.107	1.144	1.259	1.269	1.100	1.081	1.548	1.548	1.548	1.548
561740	1.259	1.341	1.425	1.259	1.140	1.200	1.223	1.107	1.144	1.259	1.269	1.100	1.081	1.548	1.548	1.548	1.548
56179	1.422	2.183	2.405	2.264	2.215	2.119	1.895	1.948	1.780	1.993	2.094	1.960	2.089	1.710	1.710	1.710	1.710
561790	1.422	2.183	2.405	2.264	2.215	2.119	1.895	1.948	1.780	1.993	2.094	1.960	2.089	1.710	1.710	1.710	1.710
5619	32.786	26.564	29.586	21.869	29.673	21.818	13.903	12.123	11.699	13.281	13.761	12.411	12.220	12.532	12.532	12.532	12.532
561990	3.966	3.203	3.565	2.623	3.574	2.620	1.655	1.439	1.389	1.579	1.638	1.477	1.455	1.499	1.499	1.499	1.499
562	41.461	39.411	40.148	41.837	40.292	34.002	35.804	36.619	35.392	32.648	35.259	36.108	33.884	32.995	32.995	32.995	32.995
5621	24.089	18.838	21.238	24.426	23.748	18.562	21.403	24.043	23.728	17.670	21.168	22.909	21.796	18.288	18.288	18.288	18.288
56211	24.089	18.838	21.238	24.426	23.748	18.562	21.403	24.043	23.728	17.670	21.168	22.909	21.796	18.288	18.288	18.288	18.288
562111	23.075	18.045	20.344	23.398	22.406	17.615	20.311	22.796	22.799	16.978	20.064	21.701	20.498	17.724	17.541	17.585	17.216
5622	6.348	7.385	7.126	7.513	8.186	6.257	6.132	6.358	6.110	5.858	6.162	6.131	5.474	6.924	6.924	6.924	6.924
56221	6.348	7.385	7.126	7.513	8.186	6.257	6.132	6.358	6.110	5.858	6.162	6.131	5.474	6.924	6.924	6.924	6.924
5629	11.531	12.350	11.546	10.197	8.883	8.971	8.619	7.470	7.128	8.859	8.293	7.980	7.797	7.772	7.772	7.772	7.772
56291	6.808	6.792	6.384	5.795	4.845	4.150	4.269	3.496	3.210	4.230	4.004	4.034	3.986	3.642	3.642	3.642	3.642
562910	6.808	6.792	6.384	5.795	4.845	4.150	4.269	3.496	3.210	4.230	4.004	4.034	3.986	3.642	3.642	3.642	3.642
56A	321.310	331.166	328.270	318.399	327.617	328.284	311.628	308.430	293.339	299.687	292.987	291.092	292.735	283.823	283.823	283.823	283.823
61	17.446	16.857	16.982	17.026	17.145	15.986	16.019	16.167	16.118	15.053	14.991	15.229	15.356	15.003	15.003	15.003	15.003
611	17.446	16.857	16.982	17.026	17.145	15.986	16.019	16.167	16.118	15.053	14.991	15.229	15.356	15.003	15.003	15.003	15.003
6114	3.694	4.756	4.749	5.567	5.121	4.676	4.884	5.796	5.380	4.550	4.457	4.713	4.813	4.807	4.807	4.807	4.807
61143	4.038	5.372	5.424	6.478	6.035	5.359	5.548	6.668	6.348	5.392	5.224	5.474	5.686	5.671	5.671	5.671	5.671
611430	4.038	5.372	5.424	6.478	6.035	5.359	5.548	6.668	6.348	5.392	5.224	5.474	5.686	5.671	5.671	5.671	5.671
6115	6.105	5.984	6.305	5.973	6.135	6.026	5.563	5.584	5.902	5.681	5.524	5.270	5.541	5.969	5.969	5.969	5.969
61151	6.105	5.984	6.305	5.973	6.135	6.026	5.563	5.584	5.902	5.681	5.524	5.270	5.541	5.969	5.969	5.969	5.969
611511	0.655	0.478	0.576	0.592	0.677	0.584	0.617	0.584	0.487	0.491	0.693	0.492	0.490	0.458	0.458	0.458	0.458
611512	4.134	2.717	3.852	3.515	4.705	3.340	3.665	3.644	4.613	3.084	3.742	3.604	4.544	4.530	4.530	4.530	4.530
611513	0.414	0.265	0.328	0.357	0.418	0.383	0.367	0.342	0.361	0.353	0.323	0.337	0.350	0.360	0.315	0.330	0.313
611519	4.378	4.975	5.147	4.813	4.077	4.474	4.161	4.155	3.904	4.229	3.950	3.804	3.458	4.072	4.072	4.072	4.072
6116	5.033	4.088	4.716	4.834	4.696	3.624	4.337	4.400	4.431	4.052	4.229	4.141	4.134	3.838	3.838	3.838	3.838
61161	1.083	1.084	1.250	1.298	1.261	1.079	1.291	1.199	1.207	1.543	1.377	1.018	1.016	1.104	1.104	1.104	1.104
611610	0.973	0.973	1.123	1.166	1.132	0.969	1.160	1.077	1.084	1.386	1.237	0.914	0.913	0.992	0.992	0.992	0.992
61169	3.984	3.273	3.299	3.503	3.335	2.731	2.765	2.943	2.919	2.553	2.697	2.737	2.656	2.305	2.305	2.305	2.305
611691	2.642	1.555	1.542	1.741	1.699	1.127	1.143	1.373	1.389	1.058	1.166	1.281	1.354	0.990	0.990	0.990	0.990
62	1196.192	1229.006	1178.812	1155.040	1179.824	1128.973	1151.434	1138.593	1142.053	1079.104	1102.564	1095.241	1100.446	1075.372	1075.372	1075.372	1075.372
621	552.194	499.158	506.560	491.459	506.913	452.301	467.662	460.077	465.183	442.030	453.796	455.687	453.331	455.152	455.152	455.152	455.152
6211	290.740	246.406	251.579	240.875	255.867	231.527	242.694	236.746	243.146	228.609	233.062	232.596	232.296	235.589	235.589	235.589	235.589
62111	290.740	246.406	251.579	240.875	255.867	231.527	242.694	236.746	243.146	228.609	233.062	232.596	232.296	235.589	235.589	235.589	235.589
621111	287.209	243.162	247.935	237.657	252.149	228.325	238.845	233.155	239.041	227.347	231.791	231.390	231.181	234.266	234.266	234.266	234.266
621112	3.727	3.864	4.484	3.756	3.970	3.839	4.790	4.252	4.418	1.216	1.218	1.137	1.054	1.285	1.285	1.285	1.285
6212	64.008	60.247	63.622	62.845	60.695	57.538	59.763	59.968	58.385	54.649	57.790	57.460	56.403	56.241	56.241	56.241	56.241
62121	64.008	60.247	63.622	62.845	60.695	57.538	59.763	59.968	58.385	54.649	57.790	57.460	56.403	56.241	56.241	56.241	56.241
621210	64.008	60.247	63.622	62.845	60.695	57.538	59.763	59.968	58.385	54.649	57.790	57.460	56.403	56.241	56.241	56.241	56.241
6213	60.434	50.710	54.443	53.089	54.385	43.629	47.393	47.838	49.064	39.617	42.232	44.513	44.623	39.604	39.604	39.604	39.604
62131	12.161	11.452	11.963	10.790	10.600	10.116	10.467	10.287	10.092	9.964	9.814	9.844	9.572	9.572	9.572	9.572	9.572
621310	12.161	11.452	11.963	10.790	10.600	10.116	10.467	10.287	10.092	9.964	9.814	9.844	9.572	9.572	9.572	9.572	9.572
62132	18.110	15.183	15.463	13.215	13.310	12.259	11.455	11.366	11.424	10.536	10.389	10.899	10.504	10.213	10.213	10.213	10.213
621320	18.110	15.183	15.463	13.215	13.310	12.259	11.455	11.366	11.424	10.536	10.389	10.899	10.504	10.213	10.213	10.213	10.213
62133	4.942	4.687	4.985	5.179	4.377	3.701	4.571	4.548	3.932	3.428	4.301	3.746	3.442	2.970	2.970	2.970	2.970
621330	4.942	4.687	4.985	5.179	4.377	3.701	4.571	4.548	3.932	3.428	4.301	3.746	3.442	2.970	2.970	2.970	2.970
62134	15.422	16.590	16.023	16.145	16.111	14.733	14.836	15.196	15.949	13.563	13.410	14.385	14.733	12.523	12.523	12.523	12.523

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
621340	14.651	15.760	15.221	15.337	15.306	13.997	14.094	14.437	15.152	12.884	12.739	13.666	13.996	11.897	11.897	11.897	11.897
62139	9.339	3.817	5.807	6.341	7.679	3.265	4.959	5.119	5.478	2.781	3.896	4.413	4.550	3.694	3.694	3.694	3.694
621391	1.553	0.383	0.516	0.733	0.626	0.588	0.564	0.539	0.514	0.584	0.560	0.523	0.486	0.545	0.545	0.545	0.545
621399	7.706	3.275	5.123	5.484	6.937	2.716	4.291	4.464	4.887	2.285	3.293	3.807	4.005	3.112	3.112	3.112	3.112
6214	61.567	56.186	55.817	51.992	52.103	44.756	42.924	43.229	41.414	39.078	40.820	40.316	41.376	37.287	37.287	37.287	37.287
62142	10.332	8.237	8.985	8.196	8.639	7.067	7.514	6.995	6.984	6.080	7.823	7.480	7.743	6.686	6.686	6.686	6.686
621420	10.332	8.237	8.985	8.196	8.639	7.067	7.514	6.995	6.984	6.080	7.823	7.480	7.743	6.686	6.686	6.686	6.686
62149	45.734	43.989	44.290	38.877	38.627	34.082	32.559	31.587	29.793	29.483	28.936	27.296	27.630	26.767	26.767	26.767	26.767
621492	15.638	16.902	17.018	14.938	14.842	13.095	11.594	13.119	11.075	10.566	9.603	10.203	9.670	9.284	8.558	9.561	8.461
621493	14.256	12.095	11.089	8.860	7.914	10.109	8.199	9.933	7.392	8.157	7.950	7.671	7.226	7.994	7.994	7.994	7.994
621498	20.967	22.258	24.897	20.125	21.907	20.350	19.220	17.799	17.530	15.882	15.781	14.384	15.184	13.825	13.825	13.825	13.825
6215	103.165	127.569	114.483	122.484	116.265	51.734	54.698	51.325	48.036	48.186	45.949	46.687	45.164	44.841	44.841	44.841	44.841
62151	103.165	127.569	114.483	122.484	116.265	51.734	54.698	51.325	48.036	48.186	45.949	46.687	45.164	44.841	44.841	44.841	44.841
621511	208.717	255.978	258.535	257.410	242.566	62.357	73.334	60.595	50.694	59.260	55.946	56.551	50.752	55.989	55.989	55.989	55.989
621512	11.664	11.597	10.573	11.567	12.147	11.670	11.312	11.711	11.748	10.671	10.209	10.445	10.626	9.789	9.789	9.789	9.789
6216	27.124	30.423	29.319	29.344	30.372	32.122	29.806	30.272	31.196	33.991	34.482	35.186	35.251	36.483	36.483	36.483	36.483
62161	27.124	30.423	29.319	29.344	30.372	32.122	29.806	30.272	31.196	33.991	34.482	35.186	35.251	36.483	36.483	36.483	36.483
621610	27.124	30.423	29.319	29.344	30.372	32.122	29.806	30.272	31.196	33.991	34.482	35.186	35.251	36.483	36.483	36.483	36.483
6219	15.207	17.134	17.838	17.571	16.415	16.139	16.562	16.318	15.429	16.378	17.491	17.850	16.784	18.310	18.310	18.310	18.310
62191	9.578	10.609	11.114	11.041	10.547	9.790	9.589	9.142	8.846	9.732	10.465	10.581	11.022	9.114	9.114	9.114	9.114
621910	9.578	10.609	11.114	11.041	10.547	9.790	9.589	9.142	8.846	9.732	10.465	10.581	11.022	9.114	9.114	9.114	9.114
62199	6.308	7.223	7.356	7.489	6.711	6.896	7.207	7.389	6.812	7.091	7.436	7.856	6.749	8.736	8.736	8.736	8.736
621991	4.281	6.129	5.702	5.894	4.764	5.711	5.552	5.707	4.739	5.744	5.586	5.974	4.864	7.512	7.512	7.512	7.512
621999	1.374	1.285	1.417	1.400	1.414	1.251	1.395	1.397	1.457	1.309	1.468	1.499	1.405	1.538	1.538	1.538	1.538
622	449.542	544.510	483.094	477.265	489.296	507.166	507.439	504.042	505.293	484.440	493.106	487.762	494.298	471.031	471.031	471.031	471.031
6221	425.865	516.224	477.438	452.323	464.129	483.942	485.792	475.234	471.324	457.177	469.499	459.948	465.409	451.133	451.133	451.133	451.133
62211	425.865	516.224	477.438	452.323	464.129	483.942	485.792	475.234	471.324	457.177	469.499	459.948	465.409	451.133	451.133	451.133	451.133
622110	418.316	507.073	468.974	444.305	455.901	475.364	477.181	466.810	462.969	449.073	461.176	451.795	457.159	443.136	443.136	443.136	443.136
623	108.182	115.108	108.990	106.546	104.349	108.056	106.784	104.735	99.861	93.064	93.306	89.460	90.882	90.685	90.685	90.685	90.685
6231	68.117	72.988	67.634	66.585	65.902	65.223	60.234	58.359	55.268	50.164	49.163	43.584	46.113	48.133	48.133	48.133	48.133
62311	68.117	72.988	67.634	66.585	65.902	65.223	60.234	58.359	55.268	50.164	49.163	43.584	46.113	48.133	48.133	48.133	48.133
623110	68.117	72.988	67.634	66.585	65.902	65.223	60.234	58.359	55.268	50.164	49.163	43.584	46.113	48.133	48.133	48.133	48.133
6232	14.613	15.385	15.203	14.357	14.882	16.999	17.667	17.559	17.418	17.318	17.907	17.740	18.013	17.707	17.707	17.707	17.707
62321	10.015	10.217	10.537	10.154	10.255	10.284	10.959	10.897	10.661	10.909	11.499	11.183	11.397	11.304	11.304	11.304	11.304
623210	10.015	10.217	10.537	10.154	10.255	10.284	10.959	10.897	10.661	10.909	11.499	11.183	11.397	11.304	11.304	11.304	11.304
62322	3.948	4.308	4.055	3.698	3.992	5.304	5.351	5.326	5.352	5.170	5.230	5.289	5.346	5.204	5.204	5.204	5.204
623220	3.948	4.308	4.055	3.698	3.992	5.304	5.351	5.326	5.352	5.170	5.230	5.289	5.346	5.204	5.204	5.204	5.204
6233	29.720	33.029	30.943	31.213	28.516	29.438	29.093	29.001	26.377	23.484	23.209	23.756	22.564	21.972	21.972	21.972	21.972
62331	29.720	33.029	30.943	31.213	28.516	29.438	29.093	29.001	26.377	23.484	23.209	23.756	22.564	21.972	21.972	21.972	21.972
623311	18.233	20.709	19.162	19.516	17.613	18.601	18.217	18.059	16.415	14.251	14.232	14.349	13.784	12.287	12.287	12.287	12.287
623312	8.230	7.967	8.130	7.799	7.516	6.654	7.017	7.471	6.555	7.132	6.540	7.473	6.438	9.914	9.914	9.914	9.914
6239	4.759	4.280	3.594	3.351	3.418	3.425	4.059	3.795	3.858	3.790	3.912	3.721	4.013	3.672	3.672	3.672	3.672
62399	4.759	4.280	3.594	3.351	3.418	3.425	4.059	3.795	3.858	3.790	3.912	3.721	4.013	3.672	3.672	3.672	3.672
623990	4.759	4.280	3.594	3.351	3.418	3.425	4.059	3.795	3.858	3.790	3.912	3.721	4.013	3.672	3.672	3.672	3.672
624	92.833	96.045	95.112	93.131	92.876	88.524	90.338	90.911	89.686	79.390	78.535	77.187	76.896	70.650	70.650	70.650	70.650
6241	53.661	58.820	57.239	55.374	56.847	54.050	54.812	54.529	54.568	49.136	47.504	46.349	46.983	40.507	40.507	40.507	40.507
62411	6.455	6.406	6.126	6.635	6.466	5.362	5.799	6.114	6.224	5.757	5.638	5.548	5.605	4.329	4.329	4.329	4.329
624110	6.455	6.406	6.126	6.635	6.466	5.362	5.799	6.114	6.224	5.757	5.638	5.548	5.605	4.329	4.329	4.329	4.329
62412	22.706	24.560	24.799	23.667	24.578	24.533	23.610	23.181	22.518	19.205	17.620	17.500	16.373	13.163	13.163	13.163	13.163
624120	22.706	24.560	24.799	23.667	24.578	24.533	23.610	23.181	22.518	19.205	17.620	17.500	16.373	13.163	13.163	13.163	13.163
62419	27.952	31.834	30.301	29.198	29.569	28.601	29.148	29.115	29.035	26.987	26.418	25.692	26.678	23.972	23.972	23.972	23.972
624190	27.952	31.834	30.301	29.198	29.569	28.601	29.148	29.115	29.035	26.987	26.418	25.692	26.678	23.972	23.972	23.972	23.972
6242	8.445	8.290	8.726	9.770	8.031	7.860	8.485	9.225	8.012	5.014	5.577	5.371	4.751	6.417	6.417	6.417	6.417
6243	15.824	15.824	16.197	17.266	15.131	14.197	14.413	16.236	15.080	12.079	10.995	9.857	10.434	10.524	10.524	10.524	10.524
62431	15.824	15.824	16.197	17.266	15.131	14.197	14.413	16.236	15.080	12.079	10.995	9.857	10.434	10.524	10.524	10.524	10.524
624310	15.824	15.824	16.197	17.266	15.131	14.197	14.413	16.236	15.080	12.079	10.995	9.857	10.434	10.524	10.524	10.524	10.524

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
6244	17.796	15.360	15.705	14.888	14.848	14.252	14.537	14.452	14.311	14.250	14.968	15.249	14.912	14.402	14.402	14.402	14.402
62441	17.796	15.360	15.705	14.888	14.848	14.252	14.537	14.452	14.311	14.250	14.968	15.249	14.912	14.402	14.402	14.402	14.402
624410	17.796	15.360	15.705	14.888	14.848	14.252	14.537	14.452	14.311	14.250	14.968	15.249	14.912	14.402	14.402	14.402	14.402
71	172.454	169.500	158.230	157.516	143.421	181.696	148.879	147.626	143.701	142.955	138.868	138.140	141.496	135.169	135.169	135.169	135.169
711	78.123	98.405	95.478	90.172	74.297	95.367	88.394	79.818	71.313	82.796	65.369	65.544	60.688	64.341	64.341	64.341	64.341
7112	19.237	21.117	26.560	22.669	20.531	20.696	25.169	19.611	18.558	15.022	12.999	12.920	12.569	12.242	12.242	12.242	12.242
71121	19.237	21.117	26.560	22.669	20.531	20.696	25.169	19.611	18.558	15.022	12.999	12.920	12.569	12.242	12.242	12.242	12.242
7113	2.929	3.842	3.072	2.870	2.737	3.373	2.929	2.703	2.610	3.487	2.775	2.758	2.935	3.064	3.064	3.064	3.064
71131	0.523	0.361	0.520	0.406	0.476	0.332	0.487	0.397	0.481	0.400	0.489	0.415	0.471	0.425	0.425	0.425	0.425
711310	0.523	0.361	0.520	0.406	0.476	0.332	0.487	0.397	0.481	0.400	0.489	0.415	0.471	0.425	0.425	0.425	0.425
71132	2.611	3.821	2.793	2.699	2.457	3.338	2.673	2.520	2.307	3.388	2.500	2.557	2.687	2.893	2.893	2.893	2.893
711320	2.611	3.821	2.793	2.699	2.457	3.338	2.673	2.520	2.307	3.388	2.500	2.557	2.687	2.893	2.893	2.893	2.893
7114	0.071	0.189	0.237	0.237	0.216	0.463	0.231	0.146	0.125	0.092	0.130	0.204	0.163	0.121	0.121	0.121	0.121
71141	0.071	0.189	0.237	0.237	0.216	0.463	0.231	0.146	0.125	0.092	0.130	0.204	0.163	0.121	0.121	0.121	0.121
711410	0.071	0.189	0.237	0.237	0.216	0.463	0.231	0.146	0.125	0.092	0.130	0.204	0.163	0.121	0.121	0.121	0.121
712	7.121	7.140	7.160	6.792	7.153	7.016	6.550	6.326	6.435	6.237	6.007	5.766	5.838	5.571	5.571	5.571	5.571
7121	7.121	7.140	7.160	6.792	7.153	7.016	6.550	6.326	6.435	6.237	6.007	5.766	5.838	5.571	5.571	5.571	5.571
713	139.745	127.138	118.067	119.702	108.995	143.189	112.120	114.036	112.577	106.575	110.786	110.580	115.977	108.372	108.372	108.372	108.372
7139	13.971	11.761	10.757	10.758	10.842	10.453	9.830	10.141	10.463	9.884	10.284	10.378	10.999	10.314	10.314	10.314	10.314
71391	10.616	11.292	10.819	10.298	10.197	10.648	10.149	10.098	10.225	9.976	10.007	10.169	10.323	10.222	10.222	10.222	10.222
713910	10.616	11.292	10.819	10.298	10.197	10.648	10.149	10.098	10.225	9.976	10.007	10.169	10.323	10.222	10.222	10.222	10.222
71393	1.210	0.695	0.954	0.855	1.064	0.954	0.974	0.781	1.318	0.845	1.342	1.042	1.208	1.236	1.236	1.236	1.236
713930	1.210	0.695	0.954	0.855	1.064	0.954	0.974	0.781	1.318	0.845	1.342	1.042	1.208	1.236	1.236	1.236	1.236
71394	16.508	11.414	10.899	11.171	11.637	10.744	10.544	11.182	11.391	10.730	10.985	11.044	12.715	11.208	11.208	11.208	11.208
713940	16.672	11.527	11.007	11.282	11.753	10.851	10.649	11.293	11.504	10.837	11.094	11.153	12.842	11.319	11.319	11.319	11.319
71395	4.802	5.425	5.434	6.086	3.063	2.681	2.727	2.583	1.878	2.188	2.364	2.435	2.528	2.303	2.303	2.303	2.303
713950	4.802	5.425	5.434	6.086	3.063	2.681	2.727	2.583	1.878	2.188	2.364	2.435	2.528	2.303	2.303	2.303	2.303
71399	9.013	7.867	3.960	3.983	6.455	6.799	4.263	5.008	5.498	5.262	5.810	6.229	4.869	5.312	5.312	5.312	5.312
713990	10.316	9.004	4.533	4.559	7.388	7.781	4.879	5.732	6.293	6.023	6.650	7.129	5.573	6.080	6.080	6.080	6.080
72	383.576	397.848	390.225	379.804	369.950	364.861	362.979	354.645	345.734	339.960	345.483	333.754	333.202	330.876	330.876	330.876	330.876
721	80.923	95.211	86.051	89.450	85.875	76.953	77.911	75.613	74.551	76.379	74.681	77.422	77.904	77.701	77.701	77.701	77.701
7211	72.011	84.705	76.740	79.849	76.586	68.521	69.467	67.385	66.381	67.787	66.548	68.785	69.259	68.534	68.534	68.534	68.534
72111	47.501	56.125	50.739	53.002	50.693	45.398	46.006	44.559	43.780	44.862	43.977	45.496	45.878	45.436	45.436	45.436	45.436
721110	47.501	56.125	50.739	53.002	50.693	45.398	46.006	44.559	43.780	44.862	43.977	45.496	45.878	45.436	45.436	45.436	45.436
72119	0.762	0.697	0.720	0.594	0.675	0.566	0.593	0.615	0.708	0.592	0.643	0.621	0.583	0.548	0.548	0.548	0.548
721191	0.376	0.347	0.289	0.258	0.293	0.227	0.238	0.267	0.301	0.243	0.228	0.238	0.223	0.206	0.206	0.206	0.206
721199	0.355	0.305	0.417	0.322	0.366	0.328	0.343	0.333	0.392	0.335	0.417	0.377	0.354	0.337	0.337	0.337	0.337
722	300.330	306.512	303.908	293.253	286.195	285.679	283.641	277.170	269.987	264.114	269.734	258.196	257.519	255.570	255.570	255.570	255.570
7223	10.896	12.547	12.502	11.563	10.594	12.929	12.707	12.122	12.291	10.967	11.133	11.157	11.608	11.380	11.380	11.380	11.380
72231	9.243	11.159	10.626	10.201	9.088	10.342	10.602	11.862	10.304	9.579	10.143	11.229	10.008	9.983	9.983	9.983	9.983
722310	9.243	11.159	10.626	10.201	9.088	10.342	10.602	11.862	10.304	9.579	10.143	11.229	10.008	9.983	9.983	9.983	9.983
7224	10.063	10.027	9.952	9.888	9.054	8.217	8.191	7.833	7.016	7.074	7.497	7.333	6.659	7.203	7.203	7.203	7.203
72241	10.063	10.027	9.952	9.888	9.054	8.217	8.191	7.833	7.016	7.074	7.497	7.333	6.659	7.203	7.203	7.203	7.203
722410	10.063	10.027	9.952	9.888	9.054	8.217	8.191	7.833	7.016	7.074	7.497	7.333	6.659	7.203	7.203	7.203	7.203
81	211.385	222.198	215.113	213.377	211.147	211.245	209.817	205.711	207.723	204.290	202.138	200.328	202.360	202.167	202.167	202.167	202.167
811	82.386	79.766	84.063	82.957	84.476	75.435	80.369	80.902	83.804	74.546	78.027	77.846	81.553	83.128	83.128	83.128	83.128
8111	51.625	50.634	51.564	50.414	48.344	47.043	48.500	48.103	47.497	45.286	47.019	45.270	46.497	45.665	45.665	45.665	45.665
81111	22.807	21.706	22.586	22.504	21.287	20.452	20.902	21.011	21.022	19.242	20.048	19.635	19.982	20.635	20.635	20.635	20.635
811111	21.090	20.309	20.224	20.120	19.250	18.144	18.211	18.243	18.586	17.246	17.368	16.914	17.329	18.464	18.464	18.464	18.464
811112	0.838	0.599	0.766	0.837	0.837	0.266	0.298	0.326	0.282	0.208	0.243	0.270	0.269	0.219	0.219	0.219	0.219
811113	1.410	1.501	1.615	1.695	1.519	1.872	1.641	1.676	1.403	1.628	1.539	1.584	1.550	1.453	1.453	1.453	1.453
811118	0.566	0.551	0.644	0.625	0.560	0.705	0.801	0.800	0.790	0.664	0.804	0.780	0.780	0.744	0.744	0.744	0.744
81112	21.244	21.951	21.828	20.727	19.559	19.860	20.514	19.784	19.513	19.473	20.088	19.274	19.472	18.220	18.220	18.220	18.220
811121	14.630	15.188	15.040	14.289	13.316	13.734	14.128	13.577	13.189	12.881	13.454	12.801	12.788	12.049	12.049	12.049	12.049
811122	3.088	3.194	3.376	3.201	3.247	2.908	3.188	3.193	3.491	4.228	3.985	4.070	4.468	3.964	3.964	3.964	3.964
81119	7.410	6.997	7.119	7.036	7.325	6.674	7.043	7.150	6.809	6.560	6.873	6.296	6.937	6.611	6.611	6.611	6.611

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
811191	3.436	3.343	3.448	3.346	3.397	3.343	3.405	3.656	3.459	3.229	3.357	3.422	3.193	3.350	3.350	3.350	3.350
811192	3.242	2.862	3.034	2.894	3.285	2.665	3.099	2.989	2.781	2.564	2.863	2.323	2.976	2.659	2.659	2.659	2.659
811198	0.242	0.219	0.241	0.236	0.245	0.318	0.215	0.243	0.278	0.358	0.288	0.325	0.309	0.293	0.293	0.293	0.293
8112	3.806	4.927	3.764	4.132	4.194	4.482	3.988	4.429	4.965	5.795	4.686	5.076	5.298	5.074	5.074	5.074	5.074
81121	3.806	4.927	3.764	4.132	4.194	4.482	3.988	4.429	4.965	5.795	4.686	5.076	5.298	5.074	5.074	5.074	5.074
811212	0.989	0.944	1.065	0.825	0.920	0.776	0.836	0.849	0.806	0.800	0.766	0.756	0.807	1.031	1.031	1.031	1.031
811219	3.071	4.031	3.015	3.361	3.397	3.661	3.219	3.559	4.080	4.787	3.834	4.134	4.357	4.051	4.103	4.031	4.075
8113	27.056	22.709	28.880	27.107	31.274	22.280	27.053	26.404	28.654	20.123	23.837	24.170	26.695	29.415	29.415	29.415	29.415
81131	27.056	22.709	28.880	27.107	31.274	22.280	27.053	26.404	28.654	20.123	23.837	24.170	26.695	29.415	29.415	29.415	29.415
811310	27.056	22.709	28.880	27.107	31.274	22.280	27.053	26.404	28.654	20.123	23.837	24.170	26.695	29.415	29.415	29.415	29.415
8114	1.845	2.110	2.058	2.072	2.086	2.103	2.079	2.097	2.290	2.236	2.153	2.156	2.109	2.322	2.322	2.322	2.322
81141	0.618	0.778	0.684	0.730	0.751	0.735	0.692	0.678	0.850	0.817	0.722	0.722	0.755	0.876	0.876	0.876	0.876
81142	0.295	0.404	0.399	0.379	0.358	0.382	0.404	0.352	0.406	0.424	0.421	0.392	0.334	0.380	0.380	0.380	0.380
811420	0.295	0.404	0.399	0.379	0.358	0.382	0.404	0.352	0.406	0.424	0.421	0.392	0.334	0.380	0.380	0.380	0.380
81149	1.686	1.473	1.998	1.766	1.842	1.646	1.943	2.068	2.040	1.688	1.741	1.848	1.778	1.681	1.681	1.681	1.681
811490	1.547	1.351	1.833	1.620	1.690	1.510	1.783	1.897	1.872	1.549	1.597	1.696	1.631	1.542	1.542	1.542	1.542
812	47.557	49.304	49.198	48.065	47.168	47.123	48.333	46.676	46.454	45.602	46.229	45.133	44.022	43.648	43.648	43.648	43.648
8121	14.898	15.535	15.293	15.716	14.597	14.263	14.331	14.692	13.883	13.522	13.302	13.449	12.867	12.517	12.517	12.517	12.517
81211	10.383	11.047	10.671	10.936	10.330	9.749	9.969	10.127	9.804	9.303	9.121	9.087	8.715	8.616	8.616	8.616	8.616
812111	0.428	0.458	0.346	0.349	0.335	0.360	0.271	0.269	0.191	0.194	0.139	0.189	0.146	0.171	0.171	0.171	0.171
812112	8.352	9.124	8.953	9.147	8.784	8.333	8.358	8.563	8.478	8.081	8.086	8.111	7.829	7.760	7.760	7.760	7.760
812113	2.273	1.795	1.622	1.689	1.558	1.218	1.637	1.536	1.525	1.243	1.055	0.855	0.840	0.724	0.724	0.724	0.724
81219	4.819	4.804	4.934	5.110	4.513	4.855	4.664	4.903	4.319	4.534	4.503	4.729	4.500	4.192	4.192	4.192	4.192
812191	0.854	1.071	0.784	0.802	0.638	0.863	0.825	0.857	0.680	1.389	1.234	1.540	1.124	1.317	1.317	1.317	1.317
812199	3.744	3.522	3.823	3.972	3.611	3.665	3.568	3.763	3.411	3.141	3.203	3.228	3.286	2.889	2.889	2.889	2.889
8122	7.718	7.614	8.309	7.388	7.975	7.373	7.786	7.161	7.812	7.152	7.714	7.026	7.436	7.519	7.519	7.519	7.519
81221	6.430	6.479	7.123	6.483	6.702	6.281	6.500	6.019	6.258	5.981	6.103	5.802	6.159	5.984	5.984	5.984	5.984
812210	6.280	6.327	6.956	6.332	6.545	6.134	6.348	5.879	6.112	5.841	5.961	5.667	6.015	5.844	5.844	5.844	5.844
81222	1.089	0.989	1.033	0.847	1.074	0.952	1.111	1.015	1.328	1.014	1.376	1.073	1.082	1.313	1.313	1.313	1.313
812220	1.089	0.989	1.033	0.847	1.074	0.952	1.111	1.015	1.328	1.014	1.376	1.073	1.082	1.313	1.313	1.313	1.313
8123	14.708	15.393	15.038	14.844	14.604	15.168	15.315	14.472	14.391	14.609	14.707	14.509	14.149	14.533	14.533	14.533	14.533
81231	2.765	2.980	2.920	2.813	2.583	3.108	3.051	2.514	2.186	2.299	2.116	1.888	1.625	1.862	1.862	1.862	1.862
812310	2.781	2.998	2.937	2.830	2.598	3.127	3.069	2.529	2.199	2.313	2.129	1.899	1.635	1.873	1.873	1.873	1.873
81232	3.863	4.440	4.378	4.313	4.057	4.393	4.433	4.329	4.127	4.452	4.530	4.438	4.217	4.608	4.608	4.608	4.608
812320	3.862	4.438	4.376	4.312	4.056	4.391	4.432	4.328	4.126	4.451	4.529	4.437	4.216	4.607	4.607	4.607	4.607
81233	8.838	9.071	8.771	8.667	8.672	8.870	8.925	8.443	8.583	8.620	8.650	8.627	8.514	8.532	8.532	8.532	8.532
8129	10.347	10.695	10.745	9.887	10.151	10.338	11.309	10.543	10.951	10.624	11.120	10.462	9.880	9.076	9.076	9.076	9.076
81291	2.916	2.988	3.038	2.893	2.852	2.509	2.887	2.581	2.696	2.247	2.522	2.402	2.383	2.111	2.111	2.111	2.111
812910	2.916	2.988	3.038	2.893	2.852	2.509	2.887	2.581	2.696	2.247	2.522	2.402	2.383	2.111	2.111	2.111	2.111
81293	3.632	4.024	3.623	3.537	3.796	4.374	4.437	4.323	4.372	4.612	4.686	4.315	3.900	3.747	3.747	3.747	3.747
812930	3.632	4.024	3.623	3.537	3.796	4.374	4.437	4.323	4.372	4.612	4.686	4.315	3.900	3.747	3.747	3.747	3.747
813	83.588	90.344	84.150	85.200	81.738	84.950	82.892	79.262	78.891	79.826	79.721	79.119	78.548	76.637	76.637	76.637	76.637
8132	64.653	67.294	66.155	68.797	63.274	65.653	71.353	56.534	56.242	64.218	63.314	61.054	57.726	53.610	53.610	53.610	53.610
81321	64.653	67.294	66.155	68.797	63.274	65.653	71.353	56.534	56.242	64.218	63.314	61.054	57.726	53.610	53.610	53.610	53.610
813211	53.765	67.799	63.226	67.749	60.305	67.985	73.115	51.614	51.279	64.351	62.356	59.581	55.574	52.656	52.656	52.656	52.656
813212	10.131	5.141	6.222	6.289	6.388	5.156	7.196	4.791	4.555	4.567	4.773	4.618	4.348	4.014	4.014	4.014	4.014
813219	7.064	6.641	7.288	8.446	7.811	6.659	8.428	6.435	6.626	5.746	5.831	5.816	5.815	5.002	5.002	5.002	5.002
8133	7.779	9.354	7.910	7.889	7.967	8.899	7.863	7.647	7.669	7.478	6.625	6.383	6.508	6.876	6.876	6.876	6.876
81331	7.779	9.354	7.910	7.889	7.967	8.899	7.863	7.647	7.669	7.478	6.625	6.383	6.508	6.876	6.876	6.876	6.876
813319	4.324	5.396	4.507	4.557	4.606	5.186	4.400	4.271	4.319	4.371	3.698	3.549	3.678	3.959	3.959	3.959	3.959
8134	6.378	7.483	7.161	6.495	6.472	6.775	7.106	6.518	6.534	6.580	6.840	6.631	6.672	6.860	6.860	6.860	6.860
81341	6.378	7.483	7.161	6.495	6.472	6.775	7.106	6.518	6.534	6.580	6.840	6.631	6.672	6.860	6.860	6.860	6.860
813410	6.305	7.397	7.078	6.420	6.398	6.697	7.024	6.443	6.459	6.504	6.761	6.554	6.595	6.780	6.780	6.780	6.780
8139	24.273	25.074	23.446	24.342	23.042	23.411	22.142	22.855	22.327	21.674	22.513	22.929	22.722	21.546	21.546	21.546	21.546
81391	14.982	13.031	13.020	13.745	13.525	13.252	12.535	13.149	12.787	11.942	12.564	13.446	13.421	12.681	12.681	12.681	12.681
813910	14.982	13.031	13.020	13.745	13.525	13.252	12.535	13.149	12.787	11.942	12.564	13.446	13.421	12.681	12.681	12.681	12.681

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
81392	7.285	8.147	8.141	9.673	9.518	8.286	7.838	8.393	8.162	6.855	6.688	8.057	8.042	7.562	7.562	7.562	7.562
813920	7.285	8.147	8.141	9.673	9.518	8.286	7.838	8.393	8.162	6.855	6.688	8.057	8.042	7.562	7.562	7.562	7.562

Method 3. We first compute the revenues-to-payroll ratios from 2002, 2007, and 2012 Economic Census' for Tulsa MSA, Tulsa County, and the state of Oklahoma. We then compute the panel median of these revenues-to-payroll ratios. Using the only overlapping year, 2012, we incorporate quarterly seasonal patterns of payrolls (from Quarterly Census of Employment and Wages) to adjust the 2012 revenues-to-payroll ratios. This generates four quarterly seasonally adjusted revenues-to-payroll ratios. We then use these new seasonally corrected revenues-to-payroll ratios to estimate revenues from the quarterly payrolls. To generate upper (lower) 75%ile, we then add (subtract) one standard deviation and repeat the procedure. This method generates one median estimate and two upper/lower estimates. The following table reports the median estimates.

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
51	41.201	44.681	43.823	44.298	39.370	48.776	45.739	48.425	44.284	47.418	46.110	54.997	39.446	46.349	46.349	46.349	46.349
511	45.350	46.783	44.854	45.050	44.919	44.123	46.304	45.910	49.179	49.561	51.756	49.645	90.911	52.363	52.363	52.363	52.363
5111	35.216	36.929	34.760	35.746	35.356	35.086	36.952	37.023	38.077	39.623	41.539	40.395	82.273	43.116	43.116	43.116	43.116
51111	11.490	11.076	10.305	12.826	11.190	10.544	10.826	10.728	10.822	12.641	12.720	12.547	50.108	15.357	15.357	15.357	15.357
511110	11.490	11.076	10.305	12.826	11.190	10.544	10.826	10.728	10.822	12.641	12.720	12.547	50.108	15.357	15.357	15.357	15.357
51112	20.957	20.649	19.505	19.744	19.907	19.757	20.312	19.801	21.033	22.172	22.006	20.692	20.747	20.629	20.629	20.629	20.629
511120	20.957	20.649	19.505	19.744	19.907	19.757	20.312	19.801	21.033	22.172	22.006	20.692	20.747	20.629	20.629	20.629	20.629
51113	0.236	-	-	0.250	0.225	-	-	0.251	0.237	-	-	0.262	0.234	-	-	0.261	0.233
511130	0.236	-	-	0.250	0.225	-	-	0.251	0.237	-	-	0.262	0.234	-	-	0.261	0.233
51114	5.053	4.979	4.703	4.760	4.800	4.764	4.897	4.774	5.071	5.346	5.764	5.420	5.434	5.404	5.404	5.404	5.404
511140	5.053	4.979	4.703	4.760	4.800	4.764	4.897	4.774	5.071	5.346	5.764	5.420	5.434	5.404	5.404	5.404	5.404
51119	0.119	0.113	-	-	0.123	0.095	-	-	0.120	0.148	-	-	0.152	0.082	-	-	0.124
5112	11.658	11.179	11.722	10.764	11.003	10.274	10.819	10.260	12.772	11.316	11.810	10.666	9.959	10.642	10.642	10.642	10.642
51121	11.658	11.179	11.722	10.764	11.003	10.274	10.819	10.260	12.772	11.316	11.810	10.666	9.959	10.642	10.642	10.642	10.642
511210	11.658	11.179	11.722	10.764	11.003	10.274	10.819	10.260	12.772	11.316	11.810	10.666	9.959	10.642	10.642	10.642	10.642
51213	12.647	10.604	9.771	10.027	12.005	8.198	6.198	6.374	7.380	6.765	6.614	6.528	7.131	6.614	6.614	6.614	6.614
515	27.107	26.624	27.687	28.746	26.284	26.861	25.914	29.544	26.885	26.644	27.571	28.525	24.284	27.593	27.593	27.593	27.593
515111	0.512	0.510	0.540	0.569	0.503	0.545	0.574	0.560	0.523	0.604	0.585	0.604	0.524	0.576	0.576	0.576	0.576
51512	18.932	18.226	18.271	18.250	17.460	17.125	15.505	17.732	17.041	17.195	16.558	17.251	14.974	15.209	15.209	15.209	15.209
515120	18.932	18.226	18.271	18.250	17.460	17.125	15.505	17.732	17.041	17.195	16.558	17.251	14.974	15.209	15.209	15.209	15.209
517	2.650	2.877	2.816	2.909	2.901	2.801	2.988	3.000	3.060	2.856	2.958	2.860	2.893	3.035	3.035	3.035	3.035
517110	3.607	4.405	4.277	4.124	4.109	3.837	4.244	4.279	4.392	4.009	4.219	4.195	4.242	4.112	4.112	4.112	4.112
517911	2.616	0.520	0.337	2.256	1.983	2.949	2.621	2.954	2.855	2.800	2.189	1.924	1.707	1.687	1.687	1.687	1.687
518	11.443	15.180	13.320	12.643	10.185	19.114	16.836	15.882	14.339	17.918	15.581	23.613	12.268	15.721	15.721	15.721	15.721
5182	11.561	15.336	13.457	12.773	10.289	19.311	17.010	16.045	14.486	18.103	15.741	23.856	12.395	15.883	15.883	15.883	15.883
51821	11.561	15.336	13.457	12.773	10.289	19.311	17.010	16.045	14.486	18.103	15.741	23.856	12.395	15.883	15.883	15.883	15.883
518210	11.561	15.336	13.457	12.773	10.289	19.311	17.010	16.045	14.486	18.103	15.741	23.856	12.395	15.883	15.883	15.883	15.883
51913	6.996	4.490	4.182	4.098	5.240	7.883	3.574	5.885	6.300	11.846	5.354	5.965	7.221	2.400	2.400	2.400	2.400
519130	7.945	5.099	4.750	4.654	5.951	8.953	4.059	6.684	7.154	13.454	6.080	6.775	8.201	2.726	2.726	2.726	2.726
52	130.108	120.967	126.152	127.913	128.470	119.844	118.776	131.836	142.671	118.662	117.674	122.104	121.405	112.854	112.854	112.854	112.854
522130	25.864	21.568	21.803	22.121	23.050	20.373	20.279	20.601	21.700	19.833	19.691	20.489	20.584	18.549	18.549	18.549	18.549
5222	148.364	139.191	150.470	141.679	145.907	119.493	120.452	118.466	143.967	126.255	125.842	129.315	130.205	114.931	114.931	114.931	114.931
52229	111.736	108.888	109.677	103.878	110.974	82.580	84.035	80.883	111.835	88.381	86.593	91.021	97.247	80.599	80.599	80.599	80.599
522291	8.263	7.489	8.658	7.978	9.209	7.619	8.933	8.473	9.058	7.704	7.625	7.531	7.774	6.909	6.909	6.909	6.909
522292	61.588	61.794	59.334	56.834	59.106	42.122	40.432	38.045	60.328	46.093	44.336	47.581	51.781	41.164	41.164	41.164	41.164
5223	12.032	9.054	11.187	10.432	17.512	10.107	10.796	9.643	11.491	7.771	9.188	9.046	9.990	8.428	8.428	8.428	8.428
52239	3.490	2.519	3.271	2.957	5.950	3.044	3.346	2.971	3.652	2.814	3.458	3.294	3.632	3.086	3.086	3.086	3.086
522390	3.490	2.519	3.271	2.957	5.950	3.044	3.346	2.971	3.652	2.814	3.458	3.294	3.632	3.086	3.086	3.086	3.086
523	109.866	118.947	110.559	126.710	115.710	92.545	91.805	94.664	138.742	79.235	78.642	84.625	109.759	101.544	101.544	101.544	101.544
5231	72.553	68.889	64.031	73.385	73.393	62.443	61.943	63.873	88.001	53.462	53.062	57.099	77.313	68.276	68.276	68.276	68.276
52311	1.661	1.528	1.421	1.628	1.673	2.154	2.137	2.204	2.005	1.844	1.831	1.970	2.174	1.705	1.705	1.705	1.705

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
523110	1.661	1.528	1.421	1.628	1.673	2.154	2.137	2.204	2.005	1.844	1.831	1.970	2.174	1.705	1.705	1.705	1.705
52312	71.971	70.880	72.163	68.700	73.014	77.219	74.076	69.467	69.694	74.603	71.926	72.401	67.914	63.855	63.855	63.855	63.855
523120	71.971	70.880	72.163	68.700	73.014	77.219	74.076	69.467	69.694	74.603	71.926	72.401	67.914	63.855	63.855	63.855	63.855
5239	35.647	38.140	43.997	43.040	40.314	36.297	35.536	37.812	38.215	31.524	31.171	33.202	31.180	31.829	31.829	31.829	31.829
52391	3.234	6.672	6.681	7.508	6.150	8.275	6.770	7.830	8.981	7.843	6.577	7.482	7.859	8.618	8.618	8.618	8.618
523910	3.234	6.672	6.681	7.508	6.150	8.275	6.770	7.830	8.981	7.843	6.577	7.482	7.859	8.618	8.618	8.618	8.618
52392	9.690	7.033	11.423	9.832	10.010	7.039	9.638	9.010	9.146	5.955	7.586	7.441	6.766	6.714	6.714	6.714	6.714
523920	9.690	7.033	11.423	9.832	10.010	7.039	9.638	9.010	9.146	5.955	7.586	7.441	6.766	6.714	6.714	6.714	6.714
52393	11.193	12.759	11.293	12.484	11.693	10.289	7.615	9.021	8.081	8.263	6.741	7.499	6.451	6.349	6.349	6.349	6.349
523930	11.193	12.759	11.293	12.484	11.693	10.289	7.615	9.021	8.081	8.263	6.741	7.499	6.451	6.349	6.349	6.349	6.349
52399	4.797	3.590	4.753	4.768	5.002	4.556	4.726	4.484	4.471	4.299	4.663	4.607	4.630	4.556	4.556	4.556	4.556
523991	3.317	2.388	3.207	3.235	3.459	3.031	3.189	3.042	3.092	2.860	3.056	3.060	3.061	3.056	3.056	3.056	3.056
523999	0.782	0.965	1.030	0.963	0.816	1.224	1.024	0.906	0.729	1.155	1.444	1.220	1.249	1.075	1.075	1.075	1.075
524	77.085	73.350	75.339	77.986	80.538	72.089	72.087	74.143	76.361	67.806	67.570	70.798	70.600	66.506	66.506	66.506	66.506
5242	90.932	79.197	82.815	88.590	87.277	72.820	72.667	74.934	75.152	67.848	68.524	71.349	71.084	66.468	66.468	66.468	66.468
52421	76.871	66.671	69.406	76.238	75.628	61.068	61.084	64.017	64.665	56.725	57.080	60.045	59.546	54.220	54.220	54.220	54.220
524210	76.871	66.671	69.406	76.238	75.628	61.068	61.084	64.017	64.665	56.725	57.080	60.045	59.546	54.220	54.220	54.220	54.220
52429	13.722	11.967	13.057	11.626	11.038	11.309	11.232	10.397	10.031	10.762	11.231	10.992	11.357	12.302	12.302	12.302	12.302
524291	6.161	5.845	6.606	5.961	5.552	5.892	5.784	5.462	5.376	5.916	7.080	6.476	7.381	8.400	8.400	8.400	8.400
524292	4.558	3.719	4.036	3.718	3.590	3.561	3.428	3.245	3.077	3.319	3.354	3.429	3.515	3.413	3.413	3.413	3.413
524298	0.200	0.217	0.236	0.159	0.146	0.145	0.216	0.166	0.176	0.146	0.136	0.116	0.097	0.218	0.218	0.218	0.218
53	224.119	87.216	202.538	233.237	219.074	83.658	195.633	212.354	205.722	73.437	161.965	255.603	180.672	213.952	213.952	213.952	213.952
531	145.276	144.716	150.295	145.376	144.292	135.163	144.149	132.910	128.763	135.947	128.236	133.055	126.336	128.374	128.374	128.374	128.374
5311	60.333	57.310	61.076	59.967	61.986	48.766	51.556	49.974	50.642	49.287	49.988	50.437	51.860	48.204	48.204	48.204	48.204
53111	17.412	16.993	18.111	17.312	17.114	17.044	20.712	19.289	18.431	16.350	19.535	17.908	18.204	18.426	18.426	18.426	18.426
531110	18.053	17.618	18.777	17.949	17.744	17.671	21.475	19.999	19.109	16.952	20.254	18.567	18.874	19.104	19.104	19.104	19.104
53112	45.638	43.928	44.177	46.863	48.321	30.427	27.280	26.977	29.754	33.145	27.463	30.909	32.044	26.994	26.994	26.994	26.994
531120	46.130	44.401	44.653	47.368	48.842	30.755	27.574	27.268	30.075	33.502	27.759	31.242	32.389	27.285	27.285	27.285	27.285
53113	3.013	3.221	3.444	3.252	3.239	3.314	3.482	3.713	3.672	3.313	3.483	3.847	3.647	3.446	3.446	3.446	3.446
531130	3.013	3.221	3.444	3.252	3.239	3.314	3.482	3.713	3.672	3.313	3.483	3.847	3.647	3.446	3.446	3.446	3.446
53119	0.514	0.504	0.478	0.423	0.425	0.657	0.626	0.617	0.545	0.486	0.497	0.405	0.473	0.481	0.481	0.481	0.481
531190	0.514	0.503	0.478	0.422	0.425	0.656	0.626	0.617	0.544	0.485	0.497	0.404	0.472	0.481	0.481	0.481	0.481
5312	38.315	38.167	39.697	38.747	41.134	42.887	46.443	40.018	36.177	42.611	36.261	38.961	34.523	39.497	39.497	39.497	39.497
53121	38.315	38.167	39.697	38.747	41.134	42.887	46.443	40.018	36.177	42.611	36.261	38.961	34.523	39.497	39.497	39.497	39.497
531210	37.955	37.808	39.324	38.383	40.748	42.484	46.006	39.642	35.837	42.210	35.920	38.594	34.198	39.125	39.125	39.125	39.125
5313	40.088	42.120	42.068	39.929	36.884	36.095	38.406	35.998	35.477	36.594	35.395	36.515	34.388	34.286	34.286	34.286	34.286
53131	31.468	33.453	33.200	31.694	29.363	28.912	30.660	29.062	28.188	29.165	27.377	28.651	26.800	26.859	26.859	26.859	26.859
531311	22.688	24.085	22.746	21.869	20.946	20.324	20.217	20.025	20.912	19.998	20.007	20.023	19.635	21.590	21.590	21.590	21.590
531312	7.837	8.264	9.157	8.542	7.429	7.382	8.920	7.848	6.714	7.694	6.815	7.580	6.512	5.532	5.532	5.532	5.532
53132	2.459	2.523	2.679	2.682	2.036	1.807	2.177	2.042	1.747	3.172	2.802	2.779	2.387	2.390	2.390	2.390	2.390
531320	2.459	2.523	2.679	2.682	2.036	1.807	2.177	2.042	1.747	3.172	2.802	2.779	2.387	2.390	2.390	2.390	2.390
53139	4.438	4.719	4.364	3.677	2.270	2.842	3.294	2.614	2.236	3.264	2.773	2.672	2.295	3.072	3.072	3.072	3.072
531390	4.438	4.719	4.364	3.677	2.270	2.842	3.294	2.614	2.236	3.264	2.773	2.672	2.295	3.072	3.072	3.072	3.072
532	70.609	14.546	54.914	77.436	67.522	14.587	53.683	70.196	68.395	9.797	39.447	106.620	50.388	74.803	74.803	74.803	74.803
5321	14.710	2.523	11.992	20.466	16.000	2.653	11.964	17.928	16.605	1.569	8.154	34.773	11.213	19.236	19.236	19.236	19.236
53211	8.773	1.464	7.147	12.507	9.632	1.522	7.043	10.690	9.925	0.867	4.679	21.659	6.547	11.734	11.734	11.734	11.734
53212	10.009	8.925	9.261	8.834	9.330	11.262	11.313	10.764	10.916	10.105	10.535	10.328	10.062	8.536	8.536	8.536	8.536
532120	9.730	8.676	9.003	8.588	9.070	10.948	10.998	10.464	10.612	9.824	10.241	10.041	9.782	8.298	8.298	8.298	8.298
5322	9.418	13.576	12.449	12.095	9.421	12.213	11.529	11.587	10.144	10.125	9.741	9.569	8.554	10.855	10.855	10.855	10.855
53221	3.604	3.641	3.452	3.551	3.315	3.123	3.276	3.391	3.350	3.485	3.595	3.652	3.352	3.539	3.539	3.539	3.539
532210	3.604	3.641	3.452	3.551	3.315	3.123	3.276	3.391	3.350	3.485	3.595	3.652	3.352	3.539	3.539	3.539	3.539
53229	4.092	6.905	6.524	6.442	4.247	6.421	5.884	5.991	4.785	4.086	3.871	3.876	3.255	4.478	4.478	4.478	4.478
5323	2.108	2.309	2.217	2.110	2.092	2.421	2.251	2.195	1.992	2.229	2.249	2.101	2.109	2.285	2.285	2.285	2.285
53231	2.108	2.309	2.217	2.110	2.092	2.421	2.251	2.195	1.992	2.229	2.249	2.101	2.109	2.285	2.285	2.285	2.285
532310	2.108	2.309	2.217	2.110	2.092	2.421	2.251	2.195	1.992	2.229	2.249	2.101	2.109	2.285	2.285	2.285	2.285
5324	80.422	52.123	47.067	40.017	54.438	47.262	44.009	37.844	49.366	38.504	35.527	31.520	40.409	42.856	42.856	42.856	42.856

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
533	11.717	3.905	9.147	9.864	8.891	3.681	7.442	7.057	7.249	3.614	6.767	7.281	6.435	13.177	13.177	13.177	13.177
5331	11.717	3.905	9.147	9.864	8.891	3.681	7.442	7.057	7.249	3.614	6.767	7.281	6.435	13.177	13.177	13.177	13.177
53311	11.717	3.905	9.147	9.864	8.891	3.681	7.442	7.057	7.249	3.614	6.767	7.281	6.435	13.177	13.177	13.177	13.177
533110	9.791	3.263	7.644	8.242	7.429	3.076	6.219	5.897	6.057	3.020	5.655	6.084	5.377	11.011	11.011	11.011	11.011
54	724.268	533.127	669.348	674.915	731.659	512.463	631.308	640.855	707.703	518.182	626.417	622.760	646.496	558.972	558.972	558.972	558.972
541	724.268	533.127	669.348	674.915	731.659	512.463	631.308	640.855	707.703	518.182	626.417	622.760	646.496	558.972	558.972	558.972	558.972
5411	392.482	362.255	366.661	373.007	406.882	365.175	346.841	357.073	382.012	366.996	341.637	364.517	380.490	342.884	342.884	342.884	342.884
54111	350.490	319.992	325.519	329.658	363.662	322.049	304.248	314.799	338.053	324.469	299.088	321.443	337.026	303.422	303.422	303.422	303.422
541110	382.053	348.808	354.832	359.344	396.411	351.050	331.646	343.148	368.495	353.688	326.022	350.389	367.376	330.746	330.746	330.746	330.746
54119	14.987	15.851	14.979	16.058	15.373	16.416	16.190	15.795	16.208	15.817	16.274	16.081	15.976	14.551	14.551	14.551	14.551
541191	15.051	15.387	14.696	15.757	15.000	15.518	15.396	15.111	15.468	15.013	15.541	15.294	15.263	14.205	14.205	14.205	14.205
541199	0.137	0.419	0.312	0.334	0.365	0.659	0.603	0.539	0.563	0.602	0.571	0.598	0.546	0.342	0.342	0.342	0.342
5412	67.919	66.420	70.618	66.290	74.481	69.382	71.078	69.008	80.715	64.488	62.086	61.012	70.785	51.084	51.084	51.084	51.084
54121	67.919	66.420	70.618	66.290	74.481	69.382	71.078	69.008	80.715	64.488	62.086	61.012	70.785	51.084	51.084	51.084	51.084
541211	51.566	48.316	50.313	47.225	46.789	48.701	47.132	43.603	45.207	39.094	40.258	37.636	37.915	36.435	36.435	36.435	36.435
541213	5.315	5.866	5.628	4.924	5.169	4.566	4.686	4.460	4.394	4.374	4.750	4.323	4.228	4.700	4.700	4.700	4.700
541214	3.641	4.650	4.461	4.605	4.289	7.906	8.448	7.926	9.156	6.432	6.981	6.326	6.864	5.256	5.256	5.256	5.256
541219	8.221	7.731	8.529	7.900	9.879	7.025	7.302	7.640	9.532	7.596	6.597	7.067	8.939	5.254	5.254	5.254	5.254
5413	240.400	113.952	197.368	197.689	209.789	105.998	186.823	183.297	199.208	96.377	179.348	181.334	179.449	161.193	161.193	161.193	161.193
54131	17.053	15.829	16.593	15.848	16.304	15.711	17.308	16.580	17.252	15.818	16.676	16.432	16.241	15.252	15.252	15.252	15.252
541310	17.053	15.829	16.593	15.848	16.304	15.711	17.308	16.580	17.252	15.818	16.676	16.432	16.241	15.252	15.252	15.252	15.252
54133	229.814	88.610	174.590	177.269	191.440	80.457	166.650	164.889	178.608	70.327	153.523	158.887	156.569	134.965	134.965	134.965	134.965
541330	229.814	88.610	174.590	177.269	191.440	80.457	166.650	164.889	178.608	70.327	153.523	158.887	156.569	134.965	134.965	134.965	134.965
54134	0.559	1.006	0.834	0.506	0.576	1.039	0.698	0.480	0.503	0.687	0.682	0.436	0.475	0.846	0.846	0.846	0.846
541340	0.559	1.006	0.834	0.506	0.576	1.039	0.698	0.480	0.503	0.687	0.682	0.436	0.475	0.846	0.846	0.846	0.846
54136	1.440	1.235	1.809	1.710	1.646	1.574	1.844	1.647	1.606	1.545	2.027	1.862	2.424	2.850	2.850	2.850	2.850
541360	1.440	1.235	1.809	1.710	1.646	1.574	1.844	1.647	1.606	1.545	2.027	1.862	2.424	2.850	2.850	2.850	2.850
54137	5.960	7.912	8.517	8.915	9.050	7.695	5.655	6.354	8.718	9.953	9.453	9.010	7.789	6.833	6.833	6.833	6.833
541370	5.960	7.912	8.517	8.915	9.050	7.695	5.655	6.354	8.718	9.953	9.453	9.010	7.789	6.833	6.833	6.833	6.833
54138	29.640	22.549	26.542	26.606	25.653	22.695	25.378	23.833	24.420	19.659	22.530	22.724	24.127	21.303	21.303	21.303	21.303
541380	29.640	22.549	26.542	26.606	25.653	22.695	25.378	23.833	24.420	19.659	22.530	22.724	24.127	21.303	21.303	21.303	21.303
5414	6.947	4.414	8.675	8.919	8.094	4.850	8.534	8.528	7.412	5.221	7.642	7.579	5.992	6.297	6.297	6.297	6.297
54143	3.258	1.797	4.276	4.213	4.119	2.142	4.509	4.457	3.869	2.379	3.894	3.534	3.037	3.513	3.513	3.513	3.513
541430	3.258	1.797	4.276	4.213	4.119	2.142	4.509	4.457	3.869	2.379	3.894	3.534	3.037	3.513	3.513	3.513	3.513
5415	121.763	123.009	118.713	118.750	124.740	89.756	93.213	92.920	98.214	104.551	94.781	80.071	91.503	91.422	91.422	91.422	91.422
54151	121.763	123.009	118.713	118.750	124.740	89.756	93.213	92.920	98.214	104.551	94.781	80.071	91.503	91.422	91.422	91.422	91.422
541511	47.046	41.226	42.608	41.958	43.873	34.654	37.388	37.119	37.799	29.877	33.553	32.609	31.471	26.275	26.275	26.275	26.275
541512	37.435	38.774	37.176	37.645	39.337	33.328	35.557	36.298	38.237	51.030	41.164	32.011	39.910	33.623	33.623	33.623	33.623
541513	20.047	27.081	19.255	20.266	21.065	23.277	18.416	19.541	20.476	35.641	21.320	17.233	22.834	31.225	31.225	31.225	31.225
541519	15.515	14.676	13.911	5.131	6.081	4.705	4.962	4.948	5.911	7.204	5.745	4.363	4.551	10.205	10.205	10.205	10.205
5416	96.094	74.733	87.505	95.202	107.217	75.704	84.615	89.450	101.860	74.092	80.329	84.581	79.460	72.787	72.787	72.787	72.787
54161	63.405	43.955	54.175	58.592	68.822	45.101	53.441	55.537	66.693	45.283	52.310	54.100	49.189	46.551	46.551	46.551	46.551
541611	34.276	20.346	27.154	29.603	38.330	22.173	27.608	28.584	36.183	19.080	27.614	28.432	24.995	23.539	23.539	23.539	23.539
541612	6.799	7.683	7.779	8.584	7.772	6.933	6.883	7.544	8.923	10.624	6.235	5.961	6.012	6.446	6.446	6.446	6.446
541613	10.597	8.483	11.155	10.989	9.908	6.984	9.614	10.654	10.019	8.181	8.891	10.268	8.700	6.195	6.195	6.195	6.195
541614	11.636	11.054	10.611	10.997	11.288	10.506	10.652	10.131	9.790	10.769	11.105	12.001	11.634	11.221	11.221	11.221	11.221
541618	4.057	2.385	2.558	2.916	3.266	2.610	3.246	2.901	3.009	2.601	2.872	2.980	2.973	2.898	2.898	2.898	2.898
54162	17.916	27.676	24.222	21.810	19.379	23.849	22.050	21.849	19.207	23.119	21.304	19.115	18.843	18.384	18.384	18.384	18.384
541620	17.916	27.676	24.222	21.810	19.379	23.849	22.050	21.849	19.207	23.119	21.304	19.115	18.843	18.384	18.384	18.384	18.384
54169	36.651	31.141	33.221	46.525	50.703	34.393	30.274	39.194	40.732	28.900	23.259	32.773	36.829	24.833	24.833	24.833	24.833
541690	36.433	30.956	33.023	46.248	50.401	34.188	30.094	38.960	40.490	28.728	23.120	32.578	36.610	24.686	24.686	24.686	24.686
5417	18.818	14.997	12.372	21.199	17.345	11.282	10.886	39.194	15.517	12.688	10.447	15.595	12.798	15.881	15.881	15.881	15.881
541712	15.707	10.524	9.234	18.216	14.245	9.099	9.176	39.487	13.830	11.752	8.678	13.511	10.765	15.628	15.628	15.628	15.628
5418	21.644	18.200	19.924	19.714	20.503	20.113	20.272	19.444	20.913	19.800	20.521	19.990	21.964	22.397	22.397	22.397	22.397
54181	6.905	6.376	6.628	6.658	6.636	7.264	7.403	7.153	7.595	7.591	7.746	7.713	8.444	8.958	8.958	8.958	8.958
541810	6.905	6.376	6.628	6.658	6.636	7.264	7.403	7.153	7.595	7.591	7.746	7.713	8.444	8.958	8.958	8.958	8.958

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
54182	2.499	1.721	2.041	2.013	2.254	1.744	2.039	2.066	2.300	1.905	2.349	2.084	2.403	2.304	2.304	2.304	2.304
541820	2.499	1.721	2.041	2.013	2.254	1.744	2.039	2.066	2.300	1.905	2.349	2.084	2.403	2.304	2.304	2.304	2.304
54183	3.402	1.907	2.097	2.053	2.629	1.858	2.048	1.880	2.255	1.769	1.892	1.883	2.098	1.733	1.733	1.733	1.733
541830	3.402	1.907	2.097	2.053	2.629	1.858	2.048	1.880	2.255	1.769	1.892	1.883	2.098	1.733	1.733	1.733	1.733
541840	0.844	0.702	0.521	0.510	0.653	0.684	0.508	0.467	0.560	0.651	0.470	0.467	0.393	0.481	0.481	0.481	0.481
54185	8.626	9.621	12.597	13.748	9.191	11.065	7.839	8.005	7.130	6.755	5.908	5.117	6.529	7.021	7.021	7.021	7.021
541850	8.626	9.621	12.597	13.748	9.191	11.065	7.839	8.005	7.130	6.755	5.908	5.117	6.529	7.021	7.021	7.021	7.021
54186	1.176	1.164	1.378	1.449	1.349	1.367	0.977	1.178	1.050	1.093	0.990	1.669	1.586	1.664	1.664	1.664	1.664
541860	1.176	1.164	1.378	1.449	1.349	1.367	0.977	1.178	1.050	1.093	0.990	1.669	1.586	1.664	1.664	1.664	1.664
5419	82.014	78.045	90.619	90.485	95.580	76.015	87.349	88.998	107.404	121.334	134.961	118.536	114.180	83.108	83.108	83.108	83.108
54192	2.546	2.179	2.398	2.709	2.810	2.235	2.336	2.732	2.687	2.241	2.470	3.002	3.348	3.098	3.098	3.098	3.098
541921	2.081	1.735	2.040	2.301	2.220	1.674	1.807	2.184	2.107	1.759	1.991	2.597	2.775	2.563	2.563	2.563	2.563
541922	0.554	0.537	0.412	0.489	0.728	0.700	0.638	0.630	0.720	0.589	0.569	0.494	0.671	0.627	0.627	0.627	0.627
54194	24.445	22.929	23.173	22.680	21.731	21.267	21.190	20.712	20.508	20.040	20.973	19.578	19.608	18.835	18.835	18.835	18.835
541940	24.445	22.929	23.173	22.680	21.731	21.267	21.190	20.712	20.508	20.040	20.973	19.578	19.608	18.835	18.835	18.835	18.835
54199	29.942	32.675	37.271	39.452	43.211	32.373	36.708	40.173	53.671	67.192	71.114	62.858	58.953	36.509	36.509	36.509	36.509
541990	29.942	32.675	37.271	39.452	43.211	32.373	36.708	40.173	53.671	67.192	71.114	62.858	58.953	36.509	36.509	36.509	36.509
55	54.673	37.746	68.651	85.552	80.714	39.527	62.642	76.827	62.444	40.512	62.361	69.196	69.164	64.268	64.268	64.268	64.268
551	54.673	37.746	68.651	85.552	80.714	39.527	62.642	76.827	62.444	40.512	62.361	69.196	69.164	64.268	64.268	64.268	64.268
5511	54.673	37.746	68.651	85.552	80.714	39.527	62.642	76.827	62.444	40.512	62.361	69.196	69.164	64.268	64.268	64.268	64.268
55111	54.673	37.746	68.651	85.552	80.714	39.527	62.642	76.827	62.444	40.512	62.361	69.196	69.164	64.268	64.268	64.268	64.268
551114	17.359	11.676	21.822	28.073	26.467	13.068	20.957	25.957	20.850	13.502	21.006	23.517	23.425	21.703	21.703	21.703	21.703
56	336.874	342.276	341.553	335.524	344.347	338.172	324.822	324.503	309.512	309.548	306.773	306.595	306.474	295.967	295.967	295.967	295.967
561	300.732	306.414	305.552	299.318	308.113	304.665	291.390	290.814	277.224	278.283	274.709	274.244	274.896	265.380	265.380	265.380	265.380
5611	34.567	31.679	41.050	35.219	38.328	26.186	28.680	26.949	31.299	30.367	28.113	29.289	30.994	29.222	29.222	29.222	29.222
56111	34.567	31.679	41.050	35.219	38.328	26.186	28.680	26.949	31.299	30.367	28.113	29.289	30.994	29.222	29.222	29.222	29.222
561110	34.567	31.679	41.050	35.219	38.328	26.186	28.680	26.949	31.299	30.367	28.113	29.289	30.994	29.222	29.222	29.222	29.222
5612	8.953	6.090	2.903	2.990	2.221	3.865	2.288	2.092	2.076	2.410	2.162	2.016	1.998	2.103	2.103	2.103	2.103
56121	8.953	6.090	2.903	2.990	2.221	3.865	2.288	2.092	2.076	2.410	2.162	2.016	1.998	2.103	2.103	2.103	2.103
561210	8.953	6.090	2.903	2.990	2.221	3.865	2.288	2.092	2.076	2.410	2.162	2.016	1.998	2.103	2.103	2.103	2.103
5613	96.265	96.465	96.637	98.800	98.934	106.321	103.840	104.606	97.079	92.914	91.735	93.415	96.845	86.847	86.847	86.847	86.847
56131	8.799	6.205	6.900	7.942	6.024	6.277	8.798	9.061	8.415	8.799	7.948	7.697	8.023	7.333	7.333	7.333	7.333
56132	70.399	78.957	73.766	76.186	76.656	92.559	87.227	88.952	79.591	76.511	72.598	73.375	72.355	71.528	71.528	71.528	71.528
561320	70.399	78.957	73.766	76.186	76.656	92.559	87.227	88.952	79.591	76.511	72.598	73.375	72.355	71.528	71.528	71.528	71.528
56133	8.791	8.030	8.686	8.632	8.860	8.242	8.049	7.951	7.772	7.291	7.718	7.958	8.749	6.935	6.935	6.935	6.935
561330	8.791	8.030	8.686	8.632	8.860	8.242	8.049	7.951	7.772	7.291	7.718	7.958	8.749	6.935	6.935	6.935	6.935
5614	33.564	38.803	36.727	37.492	37.135	36.575	35.161	35.834	35.678	37.364	36.314	36.595	36.072	36.914	36.914	36.914	36.914
56142	16.873	19.757	18.428	19.073	18.792	18.107	17.119	17.694	17.657	18.551	17.878	18.102	17.716	17.982	17.982	17.982	17.982
561421	1.579	0.774	0.708	0.870	0.818	0.614	0.635	0.692	0.668	0.557	0.541	0.558	0.581	0.535	0.535	0.535	0.535
561422	16.565	19.514	18.201	18.825	18.553	17.895	16.911	17.478	17.443	18.343	17.677	17.897	17.512	17.781	17.781	17.781	17.781
56143	3.967	3.951	3.556	3.777	3.724	3.579	3.531	3.579	3.309	3.400	3.313	3.438	3.339	3.394	3.394	3.394	3.394
561431	2.637	2.121	2.302	2.567	2.391	2.024	2.214	2.384	2.111	2.229	2.403	2.183	2.056	2.015	2.015	2.015	2.015
561439	2.272	2.363	2.052	2.159	2.150	2.120	2.051	2.054	1.913	1.955	1.864	1.993	1.945	1.993	1.993	1.993	1.993
56144	9.430	11.272	11.982	11.462	10.881	12.836	13.636	12.926	12.356	13.356	13.417	13.433	13.526	15.054	15.054	15.054	15.054
561440	9.430	11.272	11.982	11.462	10.881	12.836	13.636	12.926	12.356	13.356	13.417	13.433	13.526	15.054	15.054	15.054	15.054
56149	6.728	5.869	6.981	6.287	7.323	8.222	8.802	8.077	9.039	7.621	8.800	7.548	8.639	7.331	7.331	7.331	7.331
561491	1.102	1.042	1.013	0.876	0.808	1.265	1.106	1.140	1.283	1.173	1.106	1.066	1.460	1.343	1.343	1.343	1.343
561492	0.950	0.804	0.959	1.110	0.913	0.852	0.915	0.985	0.966	0.790	0.915	0.921	0.942	0.776	0.776	0.776	0.776
561499	1.144	0.974	1.154	0.965	1.294	1.491	1.651	1.488	1.678	1.405	1.656	1.308	1.495	1.261	1.261	1.261	1.261
5615	13.370	13.795	13.107	13.363	11.776	11.630	11.916	12.240	10.850	13.634	11.393	11.580	10.071	13.503	13.503	13.503	13.503
5616	47.063	49.206	46.302	45.248	51.305	50.763	48.337	50.538	45.517	47.098	46.703	45.968	43.269	41.652	41.652	41.652	41.652
56161	29.982	28.693	28.548	27.569	35.835	35.517	34.072	35.577	32.854	32.552	33.233	31.178	31.204	30.116	30.116	30.116	30.116
561612	24.048	23.162	21.414	22.187	22.100	21.003	20.038	23.339	20.419	18.807	20.362	20.091	19.845	16.907	16.907	16.907	16.907
56162	15.731	19.056	16.163	16.421	15.025	14.966	13.956	14.697	12.614	14.203	13.270	14.268	12.009	11.508	11.508	11.508	11.508
561621	14.459	17.708	14.997	15.245	13.817	13.883	12.951	13.725	11.637	13.230	12.367	13.340	11.059	10.662	10.662	10.662	10.662
561622	1.373	1.371	1.193	1.199	1.300	1.109	1.026	0.964	1.032	0.980	0.904	0.913	1.015	0.869	0.869	0.869	0.869

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
5617	54.015	53.475	55.234	51.857	52.480	50.917	53.647	50.490	50.438	46.471	50.138	46.714	47.354	46.414	46.414	46.414	46.414
56171	7.726	5.882	7.181	6.682	7.265	5.522	6.970	6.703	6.969	5.561	7.247	6.892	7.169	6.532	6.532	6.532	6.532
561710	7.726	5.882	7.181	6.682	7.265	5.522	6.970	6.703	6.969	5.561	7.247	6.892	7.169	6.532	6.532	6.532	6.532
56172	12.764	12.255	11.787	12.057	12.218	12.518	12.310	11.980	11.951	10.888	11.507	11.014	10.631	10.306	10.306	10.306	10.306
561720	12.764	12.255	11.787	12.057	12.218	12.518	12.310	11.980	11.951	10.888	11.507	11.014	10.631	10.306	10.306	10.306	10.306
56173	32.854	33.634	34.088	30.438	30.247	30.429	32.821	29.749	29.596	27.501	28.674	26.210	26.835	27.256	27.256	27.256	27.256
561730	32.854	33.634	34.088	30.438	30.247	30.429	32.821	29.749	29.596	27.501	28.674	26.210	26.835	27.256	27.256	27.256	27.256
56174	1.245	1.326	1.409	1.245	1.128	1.187	1.209	1.094	1.131	1.245	1.255	1.088	1.069	1.531	1.531	1.531	1.531
561740	1.245	1.326	1.409	1.245	1.128	1.187	1.209	1.094	1.131	1.245	1.255	1.088	1.069	1.531	1.531	1.531	1.531
56179	1.415	2.172	2.393	2.252	2.204	2.109	1.885	1.938	1.771	1.983	2.084	1.950	2.078	1.701	1.701	1.701	1.701
561790	1.415	2.172	2.393	2.252	2.204	2.109	1.885	1.938	1.771	1.983	2.084	1.950	2.078	1.701	1.701	1.701	1.701
5619	31.906	25.852	28.792	21.282	28.877	21.233	13.530	11.798	11.385	12.925	13.392	12.078	11.892	12.196	12.196	12.196	12.196
561990	3.967	3.204	3.567	2.624	3.575	2.620	1.656	1.440	1.390	1.580	1.638	1.478	1.456	1.499	1.499	1.499	1.499
562	40.850	38.830	39.556	41.220	39.698	33.500	35.276	36.079	34.870	32.167	34.739	35.576	33.385	32.508	32.508	32.508	32.508
5621	23.464	18.348	20.687	23.792	23.131	18.080	20.847	23.419	23.112	17.212	20.619	22.314	21.230	17.813	17.813	17.813	17.813
56211	23.464	18.348	20.687	23.792	23.131	18.080	20.847	23.419	23.112	17.212	20.619	22.314	21.230	17.813	17.813	17.813	17.813
562111	22.801	17.830	20.102	23.120	22.140	17.405	20.069	22.525	22.528	16.776	19.825	21.443	20.254	17.513	17.333	17.376	17.011
5622	6.321	7.353	7.095	7.481	8.151	6.230	6.106	6.331	6.084	5.833	6.136	6.104	5.451	6.895	6.895	6.895	6.895
56221	6.321	7.353	7.095	7.481	8.151	6.230	6.106	6.331	6.084	5.833	6.136	6.104	5.451	6.895	6.895	6.895	6.895
5629	11.411	12.221	11.426	10.091	8.790	8.877	8.529	7.392	7.053	8.766	8.206	7.897	7.716	7.691	7.691	7.691	7.691
56291	6.822	6.805	6.397	5.806	4.854	4.159	4.278	3.503	3.217	4.239	4.013	4.042	3.994	3.649	3.649	3.649	3.649
562910	6.822	6.805	6.397	5.806	4.854	4.159	4.278	3.503	3.217	4.239	4.013	4.042	3.994	3.649	3.649	3.649	3.649
56A	307.089	316.574	313.771	304.251	313.065	313.861	297.869	294.754	280.316	286.504	280.018	278.177	279.793	271.260	271.260	271.260	271.260
61	16.963	16.391	16.513	16.555	16.671	15.544	15.576	15.720	15.673	14.637	14.577	14.808	14.932	14.588	14.588	14.588	14.588
611	16.963	16.391	16.513	16.555	16.671	15.544	15.576	15.720	15.673	14.637	14.577	14.808	14.932	14.588	14.588	14.588	14.588
6114	3.624	4.667	4.660	5.462	5.025	4.588	4.792	5.687	5.279	4.464	4.373	4.624	4.722	4.716	4.716	4.716	4.716
61143	3.871	5.150	5.199	6.210	5.785	5.137	5.319	6.392	6.085	5.169	5.008	5.248	5.451	5.436	5.436	5.436	5.436
611430	3.871	5.150	5.199	6.210	5.785	5.137	5.319	6.392	6.085	5.169	5.008	5.248	5.451	5.436	5.436	5.436	5.436
6115	5.828	5.713	6.019	5.702	5.857	5.753	5.310	5.331	5.635	5.423	5.273	5.031	5.290	5.699	5.699	5.699	5.699
61151	5.828	5.713	6.019	5.702	5.857	5.753	5.310	5.331	5.635	5.423	5.273	5.031	5.290	5.699	5.699	5.699	5.699
611511	0.659	0.481	0.580	0.595	0.681	0.587	0.621	0.587	0.490	0.494	0.697	0.495	0.493	0.460	0.460	0.460	0.460
611512	4.158	2.732	3.874	3.535	4.733	3.359	3.686	3.665	4.640	3.102	3.764	3.625	4.570	4.556	4.556	4.556	4.556
611513	0.417	0.266	0.330	0.359	0.421	0.385	0.369	0.344	0.363	0.355	0.324	0.339	0.352	0.362	0.316	0.332	0.314
611519	4.402	5.003	5.176	4.840	4.100	4.499	4.184	4.178	3.926	4.253	3.972	3.826	3.477	4.095	4.095	4.095	4.095
6116	5.104	4.146	4.783	4.902	4.762	3.675	4.398	4.463	4.494	4.109	4.289	4.200	4.193	3.892	3.892	3.892	3.892
61161	1.095	1.095	1.263	1.311	1.274	1.090	1.304	1.211	1.220	1.559	1.391	1.029	1.027	1.116	1.116	1.116	1.116
611610	0.989	0.989	1.141	1.185	1.151	0.985	1.178	1.094	1.102	1.409	1.257	0.929	0.928	1.008	1.008	1.008	1.008
61169	3.920	3.220	3.246	3.446	3.281	2.686	2.721	2.895	2.871	2.512	2.653	2.693	2.613	2.267	2.267	2.267	2.267
611691	2.666	1.569	1.555	1.757	1.714	1.137	1.153	1.385	1.401	1.068	1.176	1.292	1.366	0.999	0.999	0.999	0.999
62	1214.455	1247.769	1196.809	1172.674	1197.836	1146.209	1169.013	1155.976	1159.488	1095.579	1119.397	1111.962	1117.246	1091.789	1091.789	1091.789	1091.789
621	562.375	508.361	515.900	500.520	516.259	460.640	476.284	468.559	473.759	450.179	462.163	464.089	461.689	463.543	463.543	463.543	463.543
6211	300.304	254.512	259.855	248.800	264.285	239.143	250.678	244.534	251.145	236.130	240.729	240.247	239.938	243.339	243.339	243.339	243.339
62111	300.304	254.512	259.855	248.800	264.285	239.143	250.678	244.534	251.145	236.130	240.729	240.247	239.938	243.339	243.339	243.339	243.339
621111	297.164	251.590	256.528	245.894	260.888	236.239	247.123	241.236	247.326	235.227	239.825	239.410	239.193	242.385	242.385	242.385	242.385
621112	3.600	3.732	4.330	3.628	3.834	3.708	4.626	4.107	4.267	1.175	1.176	1.098	1.017	1.241	1.241	1.241	1.241
6212	64.720	60.917	64.330	63.543	61.370	58.178	60.427	60.635	59.034	55.257	58.433	58.099	57.031	56.866	56.866	56.866	56.866
62121	64.720	60.917	64.330	63.543	61.370	58.178	60.427	60.635	59.034	55.257	58.433	58.099	57.031	56.866	56.866	56.866	56.866
621210	64.720	60.917	64.330	63.543	61.370	58.178	60.427	60.635	59.034	55.257	58.433	58.099	57.031	56.866	56.866	56.866	56.866
6213	59.661	50.062	53.746	52.410	53.689	43.071	46.787	47.226	48.437	39.111	41.692	43.944	44.053	39.098	39.098	39.098	39.098
62131	12.014	11.314	11.818	10.659	10.472	9.994	10.341	10.162	9.970	9.844	9.696	9.725	9.456	9.457	9.457	9.457	9.457
621310	12.014	11.314	11.818	10.659	10.472	9.994	10.341	10.162	9.970	9.844	9.696	9.725	9.456	9.457	9.457	9.457	9.457
62132	18.079	15.157	15.437	13.193	13.288	12.238	11.435	11.346	11.404	10.518	10.371	10.880	10.486	10.196	10.196	10.196	10.196
621320	18.079	15.157	15.437	13.193	13.288	12.238	11.435	11.346	11.404	10.518	10.371	10.880	10.486	10.196	10.196	10.196	10.196
62133	4.680	4.439	4.721	4.905	4.146	3.505	4.329	4.308	3.724	3.247	4.074	3.548	3.260	2.813	2.813	2.813	2.813
621330	4.680	4.439	4.721	4.905	4.146	3.505	4.329	4.308	3.724	3.247	4.074	3.548	3.260	2.813	2.813	2.813	2.813
62134	15.325	16.485	15.921	16.043	16.009	14.640	14.742	15.100	15.849	13.477	13.325	14.294	14.639	12.444	12.444	12.444	12.444

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
621340	14.746	15.862	15.320	15.437	15.405	14.087	14.186	14.530	15.250	12.968	12.822	13.754	14.086	11.974	11.974	11.974	11.974
62139	9.440	3.858	5.870	6.409	7.762	3.301	5.012	5.174	5.537	2.811	3.938	4.460	4.600	3.733	3.733	3.733	3.733
621391	1.638	0.404	0.544	0.773	0.660	0.620	0.595	0.569	0.542	0.616	0.591	0.551	0.512	0.574	0.574	0.574	0.574
621399	7.655	3.254	5.089	5.448	6.891	2.698	4.263	4.435	4.855	2.270	3.271	3.782	3.978	3.091	3.091	3.091	3.091
6214	63.744	58.172	57.790	53.830	53.945	46.338	44.441	44.758	42.878	40.460	42.263	41.741	42.839	38.605	38.605	38.605	38.605
62142	10.641	8.483	9.254	8.441	8.897	7.278	7.738	7.205	7.193	6.262	8.058	7.704	7.975	6.886	6.886	6.886	6.886
621420	10.641	8.483	9.254	8.441	8.897	7.278	7.738	7.205	7.193	6.262	8.058	7.704	7.975	6.886	6.886	6.886	6.886
62149	47.321	45.516	45.828	40.226	39.968	35.265	33.689	32.684	30.827	30.506	29.940	28.244	28.589	27.696	27.696	27.696	27.696
621492	16.117	17.420	17.539	15.395	15.296	13.496	11.950	13.521	11.415	10.890	9.897	10.515	9.966	9.568	8.821	9.854	8.720
621493	14.931	12.668	11.614	9.280	8.289	10.588	8.588	10.403	7.743	8.544	8.327	8.035	7.568	8.373	8.373	8.373	8.373
621498	21.286	22.596	25.276	20.431	22.240	20.659	19.512	18.069	17.796	16.123	16.020	14.603	15.415	14.035	14.035	14.035	14.035
6215	92.789	114.738	102.969	110.165	104.571	46.531	49.197	46.163	43.205	43.340	41.328	41.992	40.621	40.331	40.331	40.331	40.331
62151	92.789	114.738	102.969	110.165	104.571	46.531	49.197	46.163	43.205	43.340	41.328	41.992	40.621	40.331	40.331	40.331	40.331
621511	163.185	200.136	202.135	201.256	189.650	48.754	57.336	47.376	39.635	46.333	43.741	44.214	39.680	43.775	43.775	43.775	43.775
621512	12.135	12.065	11.000	12.034	12.637	12.141	11.769	12.184	12.222	11.102	10.621	10.867	11.055	10.184	10.184	10.184	10.184
6216	27.076	30.369	29.266	29.292	30.318	32.065	29.753	30.218	31.141	33.931	34.421	35.123	35.188	36.418	36.418	36.418	36.418
62161	27.076	30.369	29.266	29.292	30.318	32.065	29.753	30.218	31.141	33.931	34.421	35.123	35.188	36.418	36.418	36.418	36.418
621610	27.076	30.369	29.266	29.292	30.318	32.065	29.753	30.218	31.141	33.931	34.421	35.123	35.188	36.418	36.418	36.418	36.418
6219	15.059	16.967	17.664	17.400	16.255	15.982	16.400	16.159	15.279	16.218	17.320	17.676	16.620	18.131	18.131	18.131	18.131
62191	9.501	10.524	11.025	10.952	10.462	9.712	9.512	9.068	8.774	9.653	10.381	10.496	10.934	9.041	9.041	9.041	9.041
621910	9.501	10.524	11.025	10.952	10.462	9.712	9.512	9.068	8.774	9.653	10.381	10.496	10.934	9.041	9.041	9.041	9.041
62199	6.304	7.218	7.351	7.484	6.706	6.891	7.202	7.384	6.807	7.087	7.431	7.850	6.744	8.730	8.730	8.730	8.730
621991	4.168	5.967	5.551	5.738	4.638	5.560	5.405	5.556	4.614	5.592	5.439	5.816	4.735	7.313	7.313	7.313	7.313
621999	1.403	1.313	1.447	1.429	1.443	1.278	1.425	1.426	1.488	1.336	1.499	1.530	1.434	1.570	1.570	1.570	1.570
622	443.160	536.780	476.236	470.489	482.350	499.966	500.235	496.886	498.120	477.562	486.106	480.838	487.281	464.344	464.344	464.344	464.344
6221	423.790	513.709	475.111	450.119	461.868	481.585	483.426	472.919	469.028	454.950	467.211	457.707	463.141	448.935	448.935	448.935	448.935
62211	423.790	513.709	475.111	450.119	461.868	481.585	483.426	472.919	469.028	454.950	467.211	457.707	463.141	448.935	448.935	448.935	448.935
622110	418.737	507.584	469.447	444.752	456.361	475.843	477.661	467.280	463.436	449.525	461.640	452.250	457.619	443.582	443.582	443.582	443.582
623	108.249	115.180	109.058	106.612	104.414	108.124	106.851	104.801	99.923	93.122	93.365	89.516	90.939	90.741	90.741	90.741	90.741
6231	67.950	72.809	67.468	66.421	65.740	65.063	60.086	58.215	55.132	50.040	49.042	43.477	46.000	48.014	48.014	48.014	48.014
62311	67.950	72.809	67.468	66.421	65.740	65.063	60.086	58.215	55.132	50.040	49.042	43.477	46.000	48.014	48.014	48.014	48.014
623110	67.950	72.809	67.468	66.421	65.740	65.063	60.086	58.215	55.132	50.040	49.042	43.477	46.000	48.014	48.014	48.014	48.014
6232	14.604	15.375	15.193	14.348	14.872	16.988	17.656	17.548	17.407	17.307	17.895	17.728	18.002	17.695	17.695	17.695	17.695
62321	10.052	10.255	10.577	10.192	10.293	10.323	11.000	10.938	10.700	10.950	11.542	11.225	11.440	11.346	11.346	11.346	11.346
623210	10.052	10.255	10.577	10.192	10.293	10.323	11.000	10.938	10.700	10.950	11.542	11.225	11.440	11.346	11.346	11.346	11.346
62322	3.888	4.243	3.994	3.642	3.932	5.223	5.270	5.245	5.271	5.091	5.150	5.209	5.265	5.125	5.125	5.125	5.125
623220	3.888	4.243	3.994	3.642	3.932	5.223	5.270	5.245	5.271	5.091	5.150	5.209	5.265	5.125	5.125	5.125	5.125
6233	29.689	32.995	30.911	31.180	28.486	29.407	29.063	28.971	26.349	23.460	23.185	23.732	22.540	21.950	21.950	21.950	21.950
62331	29.689	32.995	30.911	31.180	28.486	29.407	29.063	28.971	26.349	23.460	23.185	23.732	22.540	21.950	21.950	21.950	21.950
623311	18.335	20.825	19.270	19.625	17.712	18.705	18.319	18.161	16.507	14.330	14.312	14.430	13.861	12.356	12.356	12.356	12.356
623312	8.357	8.089	8.255	7.919	7.632	6.756	7.124	7.586	6.656	7.241	6.641	7.588	6.537	10.067	10.067	10.067	10.067
6239	4.729	4.254	3.571	3.330	3.397	3.404	4.033	3.771	3.834	3.766	3.887	3.697	3.988	3.649	3.649	3.649	3.649
62399	4.729	4.254	3.571	3.330	3.397	3.404	4.033	3.771	3.834	3.766	3.887	3.697	3.988	3.649	3.649	3.649	3.649
623990	4.729	4.254	3.571	3.330	3.397	3.404	4.033	3.771	3.834	3.766	3.887	3.697	3.988	3.649	3.649	3.649	3.649
624	99.087	102.515	101.519	99.405	99.133	94.487	96.424	97.036	95.728	84.738	83.826	82.387	82.076	75.409	75.409	75.409	75.409
6241	55.476	60.810	59.175	57.247	58.770	55.878	56.666	56.373	56.413	50.798	49.111	47.917	48.572	41.877	41.877	41.877	41.877
62411	6.564	6.514	6.229	6.747	6.575	5.452	5.897	6.217	6.330	5.854	5.734	5.642	5.700	4.402	4.402	4.402	4.402
624110	6.564	6.514	6.229	6.747	6.575	5.452	5.897	6.217	6.330	5.854	5.734	5.642	5.700	4.402	4.402	4.402	4.402
62412	23.066	24.949	25.192	24.042	24.967	24.921	23.984	23.549	22.875	19.509	17.900	17.778	16.632	13.372	13.372	13.372	13.372
624120	23.066	24.949	25.192	24.042	24.967	24.921	23.984	23.549	22.875	19.509	17.900	17.778	16.632	13.372	13.372	13.372	13.372
62419	29.032	33.065	31.472	30.326	30.712	29.706	30.274	30.240	30.157	28.029	27.439	26.685	27.709	24.898	24.898	24.898	24.898
624190	29.032	33.065	31.472	30.326	30.712	29.706	30.274	30.240	30.157	28.029	27.439	26.685	27.709	24.898	24.898	24.898	24.898
6242	15.138	14.860	15.641	17.513	14.396	14.090	15.210	16.535	14.362	8.988	9.998	9.628	8.517	11.502	11.502	11.502	11.502
6243	15.763	15.764	16.135	17.199	15.073	14.142	14.357	16.174	15.022	12.033	10.953	9.819	10.394	10.483	10.483	10.483	10.483
62431	15.763	15.764	16.135	17.199	15.073	14.142	14.357	16.174	15.022	12.033	10.953	9.819	10.394	10.483	10.483	10.483	10.483
624310	15.763	15.764	16.135	17.199	15.073	14.142	14.357	16.174	15.022	12.033	10.953	9.819	10.394	10.483	10.483	10.483	10.483

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
6244	17.991	15.528	15.876	15.051	15.011	14.408	14.695	14.610	14.467	14.405	15.132	15.416	15.075	14.560	14.560	14.560	14.560
62441	17.991	15.528	15.876	15.051	15.011	14.408	14.695	14.610	14.467	14.405	15.132	15.416	15.075	14.560	14.560	14.560	14.560
624410	17.991	15.528	15.876	15.051	15.011	14.408	14.695	14.610	14.467	14.405	15.132	15.416	15.075	14.560	14.560	14.560	14.560
71	162.681	159.894	149.263	148.590	135.293	171.399	140.442	139.260	135.557	134.854	130.998	130.312	133.477	127.509	127.509	127.509	127.509
711	77.690	97.859	94.948	89.672	73.885	94.838	87.904	79.375	70.917	82.337	65.007	65.180	60.351	63.984	63.984	63.984	63.984
7112	19.660	21.580	27.143	23.167	20.982	21.150	25.722	20.041	18.965	15.352	13.284	13.203	12.845	12.511	12.511	12.511	12.511
71121	19.660	21.580	27.143	23.167	20.982	21.150	25.722	20.041	18.965	15.352	13.284	13.203	12.845	12.511	12.511	12.511	12.511
7113	2.894	3.797	3.036	2.836	2.705	3.334	2.895	2.671	2.579	3.447	2.742	2.725	2.900	3.028	3.028	3.028	3.028
71131	0.539	0.372	0.536	0.419	0.491	0.342	0.502	0.409	0.495	0.412	0.504	0.427	0.485	0.438	0.438	0.438	0.438
711310	0.539	0.372	0.536	0.419	0.491	0.342	0.502	0.409	0.495	0.412	0.504	0.427	0.485	0.438	0.438	0.438	0.438
71132	2.587	3.786	2.768	2.675	2.435	3.308	2.649	2.497	2.286	3.357	2.478	2.534	2.663	2.867	2.867	2.867	2.867
711320	2.587	3.786	2.768	2.675	2.435	3.308	2.649	2.497	2.286	3.357	2.478	2.534	2.663	2.867	2.867	2.867	2.867
7114	0.073	0.191	0.240	0.241	0.220	0.470	0.234	0.148	0.127	0.093	0.132	0.207	0.165	0.123	0.123	0.123	0.123
71141	0.073	0.191	0.240	0.241	0.220	0.470	0.234	0.148	0.127	0.093	0.132	0.207	0.165	0.123	0.123	0.123	0.123
711410	0.073	0.191	0.240	0.241	0.220	0.470	0.234	0.148	0.127	0.093	0.132	0.207	0.165	0.123	0.123	0.123	0.123
712	7.065	7.084	7.105	6.739	7.097	6.962	6.499	6.277	6.385	6.188	5.960	5.721	5.793	5.528	5.528	5.528	5.528
7121	7.065	7.084	7.105	6.739	7.097	6.962	6.499	6.277	6.385	6.188	5.960	5.721	5.793	5.528	5.528	5.528	5.528
713	131.125	119.295	110.784	112.318	102.271	134.356	105.204	107.001	105.632	100.001	103.952	103.759	108.822	101.687	101.687	101.687	101.687
7139	14.040	11.819	10.810	10.811	10.895	10.504	9.879	10.191	10.515	9.933	10.335	10.429	11.054	10.365	10.365	10.365	10.365
71391	10.524	11.194	10.725	10.209	10.109	10.556	10.061	10.011	10.137	9.890	9.920	10.082	10.234	10.134	10.134	10.134	10.134
713910	10.524	11.194	10.725	10.209	10.109	10.556	10.061	10.011	10.137	9.890	9.920	10.082	10.234	10.134	10.134	10.134	10.134
71393	1.171	0.672	0.924	0.828	1.030	0.923	0.943	0.756	1.275	0.818	1.299	1.008	1.169	1.196	1.196	1.196	1.196
713930	1.171	0.672	0.924	0.828	1.030	0.923	0.943	0.756	1.275	0.818	1.299	1.008	1.169	1.196	1.196	1.196	1.196
71394	16.321	11.284	10.775	11.045	11.505	10.622	10.424	11.055	11.262	10.608	10.860	10.918	12.571	11.081	11.081	11.081	11.081
713940	16.448	11.372	10.859	11.131	11.595	10.705	10.505	11.141	11.350	10.691	10.945	11.003	12.669	11.167	11.167	11.167	11.167
71395	4.821	5.447	5.456	6.110	3.075	2.692	2.738	2.593	1.886	2.197	2.374	2.445	2.539	2.312	2.312	2.312	2.312
713950	4.821	5.447	5.456	6.110	3.075	2.692	2.738	2.593	1.886	2.197	2.374	2.445	2.539	2.312	2.312	2.312	2.312
71399	9.095	7.938	3.996	4.019	6.513	6.860	4.301	5.053	5.548	5.310	5.863	6.285	4.913	5.360	5.360	5.360	5.360
713990	10.433	9.107	4.584	4.611	7.472	7.870	4.934	5.797	6.364	6.091	6.725	7.210	5.636	6.149	6.149	6.149	6.149
72	385.840	400.197	392.529	382.046	372.134	367.014	365.122	356.739	347.775	341.967	347.522	335.724	335.169	332.829	332.829	332.829	332.829
721	83.467	98.204	88.756	92.262	88.575	79.372	80.360	77.990	76.894	78.780	77.028	79.856	80.353	80.143	80.143	80.143	80.143
7211	72.053	84.755	76.785	79.896	76.631	68.562	69.508	67.425	66.420	67.827	66.587	68.825	69.300	68.575	68.575	68.575	68.575
72111	49.015	57.913	52.356	54.692	52.309	46.845	47.472	45.979	45.175	46.292	45.378	46.945	47.341	46.884	46.884	46.884	46.884
721110	49.015	57.913	52.356	54.692	52.309	46.845	47.472	45.979	45.175	46.292	45.378	46.945	47.341	46.884	46.884	46.884	46.884
72119	0.762	0.697	0.720	0.594	0.675	0.566	0.593	0.615	0.708	0.592	0.643	0.621	0.583	0.547	0.547	0.547	0.547
721191	0.376	0.347	0.289	0.258	0.293	0.227	0.238	0.267	0.301	0.243	0.227	0.238	0.223	0.206	0.206	0.206	0.206
721199	0.355	0.305	0.417	0.322	0.366	0.328	0.343	0.333	0.392	0.335	0.417	0.377	0.354	0.337	0.337	0.337	0.337
722	301.779	307.991	305.374	294.668	287.576	287.057	285.009	278.507	271.290	265.389	271.035	259.442	258.761	256.803	256.803	256.803	256.803
7223	10.457	12.041	11.997	11.097	10.166	12.407	12.194	11.633	11.795	10.524	10.683	10.707	11.140	10.921	10.921	10.921	10.921
72231	8.789	10.611	10.104	9.700	8.642	9.834	10.081	11.280	9.797	9.109	9.645	10.677	9.516	9.493	9.493	9.493	9.493
722310	8.789	10.611	10.104	9.700	8.642	9.834	10.081	11.280	9.797	9.109	9.645	10.677	9.516	9.493	9.493	9.493	9.493
7224	10.111	10.076	10.000	9.935	9.097	8.257	8.230	7.871	7.049	7.108	7.533	7.368	6.691	7.237	7.237	7.237	7.237
72241	10.111	10.076	10.000	9.935	9.097	8.257	8.230	7.871	7.049	7.108	7.533	7.368	6.691	7.237	7.237	7.237	7.237
722410	10.111	10.076	10.000	9.935	9.097	8.257	8.230	7.871	7.049	7.108	7.533	7.368	6.691	7.237	7.237	7.237	7.237
81	212.587	223.461	216.336	214.589	212.346	212.446	211.009	206.880	208.903	205.451	203.287	201.467	203.510	203.316	203.316	203.316	203.316
811	83.788	81.123	85.494	84.369	85.914	76.719	81.737	82.279	85.231	75.815	79.355	79.171	82.941	84.543	84.543	84.543	84.543
8111	52.042	51.044	51.981	50.821	48.735	47.423	48.892	48.492	47.881	45.652	47.399	45.636	46.873	46.034	46.034	46.034	46.034
81111	23.094	21.979	22.870	22.787	21.555	20.709	21.165	21.275	21.286	19.484	20.300	19.882	20.234	20.895	20.895	20.895	20.895
811111	21.338	20.548	20.462	20.357	19.476	18.358	18.425	18.458	18.805	17.449	17.573	17.114	17.533	18.682	18.682	18.682	18.682
811112	0.848	0.606	0.776	0.847	0.847	0.269	0.302	0.330	0.285	0.211	0.246	0.273	0.273	0.222	0.222	0.222	0.222
811113	1.444	1.537	1.654	1.736	1.556	1.917	1.680	1.716	1.437	1.667	1.576	1.622	1.587	1.488	1.488	1.488	1.488
811118	0.575	0.560	0.654	0.635	0.569	0.716	0.814	0.813	0.803	0.674	0.817	0.792	0.792	0.756	0.756	0.756	0.756
81112	21.525	22.241	22.117	21.001	19.817	20.122	20.785	20.045	19.771	19.730	20.353	19.529	19.729	18.461	18.461	18.461	18.461
811121	14.829	15.395	15.245	14.483	13.497	13.920	14.320	13.761	13.369	13.056	13.637	12.975	12.962	12.213	12.213	12.213	12.213
811122	3.169	3.277	3.464	3.285	3.332	2.984	3.272	3.277	3.583	4.338	4.090	4.176	4.586	4.068	4.068	4.068	4.068
81119	7.307	6.900	7.020	6.938	7.223	6.582	6.946	7.051	6.714	6.469	6.778	6.208	6.841	6.520	6.520	6.520	6.520

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
811191	3.540	3.444	3.552	3.447	3.499	3.443	3.508	3.767	3.563	3.326	3.458	3.525	3.289	3.451	3.451	3.451	3.451
811192	3.172	2.800	2.969	2.831	3.214	2.607	3.033	2.925	2.721	2.509	2.802	2.273	2.912	2.602	2.602	2.602	2.602
811198	0.260	0.236	0.260	0.254	0.264	0.342	0.231	0.262	0.299	0.385	0.310	0.350	0.332	0.316	0.316	0.316	0.316
8112	3.748	4.853	3.707	4.069	4.131	4.414	3.928	4.362	4.890	5.708	4.615	4.999	5.218	4.998	4.998	4.998	4.998
81121	3.748	4.853	3.707	4.069	4.131	4.414	3.928	4.362	4.890	5.708	4.615	4.999	5.218	4.998	4.998	4.998	4.998
811212	0.982	0.936	1.057	0.818	0.913	0.769	0.829	0.842	0.800	0.793	0.760	0.750	0.800	1.023	1.023	1.023	1.023
811219	3.134	4.114	3.076	3.430	3.466	3.736	3.285	3.633	4.163	4.885	3.912	4.219	4.447	4.134	4.188	4.114	4.159
8113	28.462	23.890	30.381	28.516	32.899	23.438	28.459	27.777	30.143	21.169	25.076	25.426	28.082	30.944	30.944	30.944	30.944
81131	28.462	23.890	30.381	28.516	32.899	23.438	28.459	27.777	30.143	21.169	25.076	25.426	28.082	30.944	30.944	30.944	30.944
811310	28.462	23.890	30.381	28.516	32.899	23.438	28.459	27.777	30.143	21.169	25.076	25.426	28.082	30.944	30.944	30.944	30.944
8114	1.868	2.136	2.084	2.098	2.112	2.130	2.105	2.123	2.319	2.264	2.180	2.183	2.136	2.351	2.351	2.351	2.351
81141	0.615	0.775	0.681	0.726	0.747	0.732	0.689	0.675	0.846	0.813	0.719	0.719	0.751	0.872	0.872	0.872	0.872
81142	0.300	0.411	0.406	0.386	0.364	0.388	0.411	0.359	0.413	0.431	0.428	0.399	0.340	0.387	0.387	0.387	0.387
811420	0.300	0.411	0.406	0.386	0.364	0.388	0.411	0.359	0.413	0.431	0.428	0.399	0.340	0.387	0.387	0.387	0.387
81149	1.670	1.459	1.979	1.750	1.826	1.631	1.926	2.049	2.022	1.673	1.725	1.831	1.762	1.666	1.666	1.666	1.666
811490	1.514	1.322	1.794	1.586	1.654	1.478	1.745	1.857	1.832	1.516	1.563	1.659	1.597	1.509	1.509	1.509	1.509
812	47.357	49.097	48.992	47.863	46.970	46.924	48.130	46.480	46.258	45.411	46.035	44.944	43.837	43.465	43.465	43.465	43.465
8121	15.208	15.859	15.612	16.044	14.902	14.560	14.630	14.998	14.172	13.804	13.580	13.730	13.135	12.778	12.778	12.778	12.778
81211	10.651	11.331	10.946	11.218	10.596	10.001	10.226	10.388	10.057	9.543	9.356	9.321	8.940	8.839	8.839	8.839	8.839
812111	0.422	0.453	0.342	0.345	0.331	0.356	0.268	0.265	0.189	0.191	0.137	0.186	0.145	0.169	0.169	0.169	0.169
812112	8.630	9.427	9.251	9.452	9.076	8.610	8.636	8.848	8.760	8.349	8.355	8.380	8.090	8.019	8.019	8.019	8.019
812113	2.148	1.696	1.533	1.596	1.472	1.151	1.547	1.451	1.441	1.175	0.997	0.808	0.793	0.684	0.684	0.684	0.684
81219	4.744	4.730	4.857	5.031	4.443	4.780	4.591	4.827	4.252	4.464	4.433	4.655	4.430	4.127	4.127	4.127	4.127
812191	0.837	1.049	0.768	0.786	0.625	0.845	0.808	0.839	0.666	1.360	1.208	1.508	1.101	1.289	1.289	1.289	1.289
812199	3.704	3.483	3.782	3.929	3.572	3.625	3.529	3.722	3.374	3.107	3.168	3.192	3.251	2.857	2.857	2.857	2.857
8122	7.679	7.575	8.266	7.350	7.935	7.336	7.746	7.125	7.773	7.116	7.675	6.991	7.398	7.481	7.481	7.481	7.481
81221	6.482	6.531	7.181	6.536	6.756	6.332	6.553	6.068	6.309	6.029	6.153	5.849	6.209	6.033	6.033	6.033	6.033
812210	6.358	6.407	7.044	6.411	6.627	6.211	6.428	5.953	6.189	5.915	6.036	5.738	6.091	5.918	5.918	5.918	5.918
81222	1.126	1.023	1.067	0.875	1.110	0.984	1.148	1.049	1.372	1.048	1.422	1.109	1.118	1.357	1.357	1.357	1.357
812220	1.126	1.023	1.067	0.875	1.110	0.984	1.148	1.049	1.372	1.048	1.422	1.109	1.118	1.357	1.357	1.357	1.357
8123	14.604	15.284	14.931	14.739	14.501	15.061	15.206	14.370	14.289	14.506	14.604	14.406	14.049	14.431	14.431	14.431	14.431
81231	2.637	2.842	2.784	2.682	2.463	2.964	2.909	2.397	2.085	2.192	2.018	1.800	1.550	1.776	1.776	1.776	1.776
812310	2.737	2.950	2.890	2.784	2.557	3.077	3.020	2.489	2.164	2.276	2.095	1.869	1.609	1.843	1.843	1.843	1.843
81232	3.791	4.356	4.295	4.232	3.981	4.310	4.350	4.248	4.050	4.368	4.445	4.355	4.138	4.522	4.522	4.522	4.522
812320	3.802	4.369	4.308	4.244	3.993	4.323	4.363	4.260	4.062	4.381	4.459	4.367	4.150	4.535	4.535	4.535	4.535
81233	8.834	9.068	8.768	8.664	8.669	8.867	8.921	8.440	8.580	8.617	8.647	8.624	8.511	8.529	8.529	8.529	8.529
8129	9.633	9.957	10.004	9.204	9.450	9.625	10.528	9.815	10.194	9.891	10.352	9.740	9.198	8.449	8.449	8.449	8.449
81291	2.858	2.929	2.978	2.835	2.796	2.459	2.830	2.530	2.643	2.203	2.472	2.354	2.336	2.069	2.069	2.069	2.069
812910	2.858	2.929	2.978	2.835	2.796	2.459	2.830	2.530	2.643	2.203	2.472	2.354	2.336	2.069	2.069	2.069	2.069
81293	3.445	3.817	3.437	3.355	3.601	4.148	4.209	4.100	4.147	4.374	4.444	4.092	3.699	3.554	3.554	3.554	3.554
812930	3.445	3.817	3.437	3.355	3.601	4.148	4.209	4.100	4.147	4.374	4.444	4.092	3.699	3.554	3.554	3.554	3.554
813	81.463	88.047	82.010	83.034	79.660	82.790	80.784	77.247	76.886	77.796	77.694	77.108	76.551	74.688	74.688	74.688	74.688
8132	64.178	66.800	65.669	68.292	62.809	65.171	70.829	56.119	55.828	63.746	62.848	60.605	57.302	53.216	53.216	53.216	53.216
81321	64.178	66.800	65.669	68.292	62.809	65.171	70.829	56.119	55.828	63.746	62.848	60.605	57.302	53.216	53.216	53.216	53.216
813211	53.460	67.414	62.867	67.365	59.962	67.599	72.700	51.321	50.988	63.986	62.002	59.242	55.259	52.357	52.357	52.357	52.357
813212	10.026	5.088	6.158	6.224	6.322	5.102	7.121	4.742	4.508	4.520	4.723	4.570	4.303	3.972	3.972	3.972	3.972
813219	6.989	6.571	7.211	8.357	7.728	6.589	8.339	6.366	6.556	5.685	5.769	5.754	5.753	4.949	4.949	4.949	4.949
8133	7.707	9.267	7.836	7.816	7.893	8.816	7.790	7.576	7.597	7.408	6.564	6.323	6.447	6.812	6.812	6.812	6.812
81331	7.707	9.267	7.836	7.816	7.893	8.816	7.790	7.576	7.597	7.408	6.564	6.323	6.447	6.812	6.812	6.812	6.812
813319	4.281	5.343	4.462	4.512	4.560	5.134	4.356	4.229	4.276	4.328	3.661	3.514	3.641	3.920	3.920	3.920	3.920
8134	6.471	7.592	7.264	6.589	6.566	6.873	7.209	6.613	6.629	6.675	6.939	6.727	6.769	6.959	6.959	6.959	6.959
81341	6.471	7.592	7.264	6.589	6.566	6.873	7.209	6.613	6.629	6.675	6.939	6.727	6.769	6.959	6.959	6.959	6.959
813410	6.396	7.504	7.180	6.513	6.490	6.794	7.126	6.536	6.552	6.598	6.858	6.649	6.690	6.878	6.878	6.878	6.878
8139	24.632	25.445	23.792	24.701	23.382	23.757	22.469	23.193	22.657	21.994	22.845	23.267	23.058	21.864	21.864	21.864	21.864
81391	15.206	13.225	13.214	13.951	13.727	13.450	12.723	13.346	12.978	12.121	12.751	13.647	13.621	12.870	12.870	12.870	12.870
813910	15.206	13.225	13.214	13.951	13.727	13.450	12.723	13.346	12.978	12.121	12.751	13.647	13.621	12.870	12.870	12.870	12.870

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
81392	7.142	7.987	7.980	9.483	9.331	8.123	7.683	8.228	8.001	6.720	6.557	7.899	7.883	7.413	7.413	7.413	7.413
813920	7.142	7.987	7.980	9.483	9.331	8.123	7.683	8.228	8.001	6.720	6.557	7.899	7.883	7.413	7.413	7.413	7.413

Method 4. We first compute the revenues-to-payroll ratio from 2002, 2007, and 2012 Economic Census' for Tulsa MSA, Tulsa County, Dallas-Forth Worth MSA, Houston MSA, and the states of Oklahoma and South Dakota. We then compute the panel median of these revenues-to-payroll ratios. Using the only overlapping year, 2012, we incorporate quarterly seasonal patterns of payrolls (from Quarterly Census of Employment and Wages) to adjust the 2012 revenues-to-payroll ratios. This generates four quarterly seasonally adjusted revenues-to-payroll ratios. We then use these new seasonally corrected revenues-to-payroll ratios to estimate revenues from the quarterly payrolls. To generate upper (lower) 75%ile, we then add (subtract) one standard deviation and repeat the procedure. This method generates one median estimate and two upper/lower estimates. The following table reports the median estimates.

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
51	41.739	44.564	41.216	46.193	40.064	48.015	42.452	49.890	44.341	46.843	43.064	55.025	39.620	46.234	43.278	47.561	46.234
511	45.093	46.518	43.683	45.652	44.664	43.873	45.094	46.523	48.900	49.280	50.405	50.308	90.395	52.066	50.996	53.062	52.066
5111	39.238	41.147	38.237	40.556	39.394	39.093	40.649	42.005	42.426	44.148	45.695	45.831	91.670	48.041	47.430	48.918	48.041
51111	13.387	12.905	12.487	13.122	13.038	12.285	13.118	10.975	12.609	14.728	15.413	12.837	58.382	17.893	18.609	15.712	17.893
511110	13.387	12.905	12.487	13.122	13.038	12.285	13.118	10.975	12.609	14.728	15.413	12.837	58.382	17.893	18.609	15.712	17.893
51112	20.577	20.274	18.263	21.887	19.546	19.398	19.018	21.949	20.651	21.769	20.604	22.937	20.370	20.255	19.316	22.868	20.255
511120	20.577	20.274	18.263	21.887	19.546	19.398	19.018	21.949	20.651	21.769	20.604	22.937	20.370	20.255	19.316	22.868	20.255
51113	0.263	-	-	-	0.250	-	-	-	0.264	-	-	-	0.261	-	-	-	0.259
511130	0.263	-	-	-	0.250	-	-	-	0.264	-	-	-	0.261	-	-	-	0.259
51114	5.000	4.926	4.438	5.318	4.749	4.714	4.621	5.333	5.018	5.290	5.439	6.055	5.377	5.347	5.099	6.037	5.347
511140	5.000	4.926	4.438	5.318	4.749	4.714	4.621	5.333	5.018	5.290	5.439	6.055	5.377	5.347	5.099	6.037	5.347
51119	0.162	0.154	-	-	0.167	0.130	-	-	0.164	0.202	-	-	0.207	0.112	-	-	0.169
5112	11.582	11.105	10.982	10.944	10.930	10.207	10.136	10.431	12.687	11.242	11.065	10.843	9.894	10.572	9.970	10.819	10.572
51121	11.582	11.105	10.982	10.944	10.930	10.207	10.136	10.431	12.687	11.242	11.065	10.843	9.894	10.572	9.970	10.819	10.572
511210	11.582	11.105	10.982	10.944	10.930	10.207	10.136	10.431	12.687	11.242	11.065	10.843	9.894	10.572	9.970	10.819	10.572
51213	12.727	10.671	10.464	10.114	12.081	8.250	6.638	6.429	7.426	6.808	7.083	6.585	7.176	6.655	7.082	6.671	6.655
515	29.411	28.886	27.607	32.855	28.517	29.143	25.839	33.767	29.169	28.908	27.491	32.603	26.348	29.938	27.513	31.538	29.938
515111	0.464	0.463	0.455	0.550	0.457	0.494	0.483	0.541	0.475	0.548	0.493	0.584	0.476	0.523	0.485	0.557	0.523
51512	22.211	21.383	19.812	22.824	20.484	20.092	16.813	22.177	19.993	20.173	17.954	21.574	17.568	17.844	16.492	19.022	17.844
515120	22.211	21.383	19.812	22.824	20.484	20.092	16.813	22.177	19.993	20.173	17.954	21.574	17.568	17.844	16.492	19.022	17.844
517	2.806	3.046	2.905	2.814	3.072	2.966	3.083	2.902	3.240	3.024	3.052	2.767	3.064	3.214	3.132	2.937	3.214
517110	3.825	4.671	4.409	3.900	4.357	4.069	4.375	4.045	4.657	4.251	4.349	3.967	4.498	4.360	4.239	3.888	4.360
517911	2.748	0.547	0.348	2.314	2.084	3.098	2.700	3.030	2.999	2.942	2.254	1.973	1.793	1.772	1.737	1.730	1.772
518	9.523	12.632	10.704	10.524	8.475	15.906	13.530	13.220	11.932	14.911	12.521	19.655	10.209	13.082	12.633	13.086	13.082
5182	9.502	12.604	10.681	10.501	8.457	15.871	13.501	13.192	11.906	14.878	12.494	19.613	10.187	13.054	12.606	13.058	13.054
51821	9.502	12.604	10.681	10.501	8.457	15.871	13.501	13.192	11.906	14.878	12.494	19.613	10.187	13.054	12.606	13.058	13.054
518210	9.502	12.604	10.681	10.501	8.457	15.871	13.501	13.192	11.906	14.878	12.494	19.613	10.187	13.054	12.606	13.058	13.054
51913	9.458	6.070	6.057	5.094	7.084	10.657	5.176	7.316	8.516	16.015	7.753	7.415	9.762	3.245	3.476	2.984	3.245
519130	10.321	6.625	6.610	5.559	7.731	11.630	5.649	7.984	9.294	17.478	8.461	8.092	10.653	3.541	3.794	3.256	3.541
52	129.223	120.144	115.919	131.064	127.596	119.029	109.141	135.083	141.700	117.854	108.129	125.111	120.579	112.086	103.699	115.633	112.086
522130	25.991	21.674	20.639	24.280	23.164	20.474	19.196	22.612	21.808	19.931	18.640	22.488	20.686	18.641	17.559	20.360	18.641
5222	280.397	263.060	274.166	266.956	275.753	225.833	219.473	223.217	272.086	238.611	229.294	243.659	246.078	217.211	209.412	216.556	217.211
52229	156.517	152.528	151.271	141.748	155.450	115.675	115.905	110.369	156.656	123.802	119.433	124.204	136.221	112.900	111.165	109.981	112.900
522291	9.139	8.282	8.700	9.876	10.185	8.426	8.976	10.489	10.018	8.520	7.662	9.323	8.598	7.641	6.943	8.553	7.641
522292	69.589	69.822	67.948	60.065	66.785	47.594	46.302	40.208	68.166	52.081	50.773	50.287	58.508	46.512	47.140	43.504	46.512
5223	11.573	8.708	9.079	11.325	16.844	9.721	8.761	10.469	11.053	7.474	7.457	9.821	9.609	8.106	6.840	9.150	8.106
52239	3.627	2.617	2.723	3.695	6.183	3.163	2.785	3.713	3.795	2.924	2.878	4.117	3.774	3.207	2.568	3.857	3.207
522390	3.627	2.617	2.723	3.695	6.183	3.163	2.785	3.713	3.795	2.924	2.878	4.117	3.774	3.207	2.568	3.857	3.207
523	112.017	121.275	104.048	126.402	117.976	94.356	86.398	94.434	141.459	80.787	74.010	84.419	111.908	103.532	95.563	101.297	103.532

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
5231	73.588	69.871	58.855	72.824	74.439	63.333	56.936	63.385	89.256	54.225	48.772	56.663	78.416	69.249	62.756	67.754	69.249
52311	1.470	1.352	0.985	1.410	1.480	1.906	1.483	1.908	1.775	1.632	1.270	1.706	1.924	1.508	1.183	1.476	1.508
523110	1.470	1.352	0.985	1.410	1.480	1.906	1.483	1.908	1.775	1.632	1.270	1.706	1.924	1.508	1.183	1.476	1.508
52312	74.568	73.438	68.713	74.711	75.649	80.005	70.534	75.545	72.208	77.296	68.488	78.735	70.364	66.159	60.802	69.442	66.159
523120	74.568	73.438	68.713	74.711	75.649	80.005	70.534	75.545	72.208	77.296	68.488	78.735	70.364	66.159	60.802	69.442	66.159
5239	33.839	36.206	38.281	37.617	38.269	34.456	30.919	33.048	36.276	29.925	27.122	29.018	29.599	30.215	27.694	27.819	30.215
52391	2.792	5.761	6.010	5.132	5.310	7.145	6.090	5.353	7.754	6.772	5.917	5.114	6.786	7.441	7.753	5.891	7.441
523910	2.792	5.761	6.010	5.132	5.310	7.145	6.090	5.353	7.754	6.772	5.917	5.114	6.786	7.441	7.753	5.891	7.441
52392	11.747	8.526	11.222	12.320	12.135	8.533	9.469	11.290	11.088	7.219	7.452	9.324	8.203	8.139	6.595	8.413	8.139
523920	11.747	8.526	11.222	12.320	12.135	8.533	9.469	11.290	11.088	7.219	7.452	9.324	8.203	8.139	6.595	8.413	8.139
52393	13.197	15.044	13.039	13.376	13.787	12.131	8.793	9.666	9.528	9.742	7.783	8.035	7.606	7.485	7.331	6.803	7.485
523930	13.197	15.044	13.039	13.376	13.787	12.131	8.793	9.666	9.528	9.742	7.783	8.035	7.606	7.485	7.331	6.803	7.485
52399	4.993	3.737	4.095	4.970	5.207	4.743	4.072	4.674	4.654	4.475	4.018	4.803	4.820	4.743	3.925	4.750	4.743
523991	3.415	2.459	2.735	3.317	3.561	3.121	2.719	3.119	3.183	2.944	2.606	3.138	3.151	3.146	2.606	3.134	3.146
523999	0.796	0.982	0.859	1.053	0.831	1.246	0.854	0.990	0.742	1.176	1.205	1.334	1.271	1.094	0.897	1.175	1.094
524	77.085	73.350	68.534	86.431	80.538	72.089	65.575	82.173	76.361	67.806	61.466	78.465	70.600	66.506	60.498	73.708	66.506
5242	97.901	85.267	84.745	98.570	93.965	78.401	74.361	83.375	80.911	73.048	70.121	79.387	76.532	71.562	68.017	73.956	71.562
52421	76.596	66.432	65.776	78.243	75.358	60.850	57.890	65.700	64.434	56.522	54.095	61.624	59.333	54.026	51.385	55.646	54.026
524210	76.596	66.432	65.776	78.243	75.358	60.850	57.890	65.700	64.434	56.522	54.095	61.624	59.333	54.026	51.385	55.646	54.026
52429	17.646	15.390	15.902	15.732	14.195	14.543	13.680	14.069	12.900	13.841	13.678	14.874	14.605	15.821	14.983	16.648	15.821
524291	5.946	5.641	5.981	6.272	5.358	5.686	5.236	5.746	5.188	5.709	6.409	6.813	7.123	8.106	7.605	8.838	8.106
524292	6.017	4.909	5.115	5.025	4.739	4.700	4.344	4.386	4.062	4.381	4.250	4.635	4.639	4.505	4.326	4.614	4.505
524298	0.198	0.215	0.206	0.179	0.145	0.143	0.188	0.187	0.174	0.145	0.119	0.131	0.096	0.216	0.191	0.246	0.216
53	236.942	92.206	160.985	202.161	231.609	88.444	155.497	184.060	217.492	77.639	128.736	221.547	191.009	226.194	170.057	185.446	226.194
531	156.467	155.864	154.083	153.088	155.407	145.574	147.781	139.961	138.682	146.419	131.467	140.114	136.068	138.263	131.609	135.184	138.263
5311	64.472	61.241	62.651	62.581	66.238	52.112	52.886	52.152	54.116	52.668	51.278	52.636	55.418	51.511	49.448	50.305	51.511
53111	18.315	17.874	16.917	19.781	18.001	17.928	19.347	22.040	19.387	17.198	18.248	20.462	19.148	19.381	17.211	21.053	19.381
531110	18.761	18.309	17.329	20.263	18.440	18.365	19.819	22.577	19.859	17.617	18.692	20.960	19.614	19.853	17.631	21.566	19.853
53112	50.675	48.776	50.903	45.117	53.654	33.785	31.433	25.972	33.038	36.803	31.644	29.757	35.581	29.973	31.104	25.988	29.973
531120	52.066	50.115	52.301	46.355	55.127	34.713	32.296	26.685	33.945	37.814	32.513	30.574	36.557	30.796	31.958	26.701	30.796
53113	3.063	3.275	3.568	3.009	3.294	3.369	3.608	3.436	3.734	3.369	3.609	3.560	3.708	3.504	3.570	3.189	3.504
531130	3.063	3.275	3.568	3.009	3.294	3.369	3.608	3.436	3.734	3.369	3.609	3.560	3.708	3.504	3.570	3.189	3.504
53119	0.594	0.582	0.538	0.523	0.491	0.759	0.704	0.764	0.629	0.561	0.559	0.500	0.546	0.556	0.541	0.596	0.556
531190	0.595	0.584	0.539	0.524	0.493	0.761	0.706	0.766	0.631	0.563	0.560	0.502	0.548	0.558	0.543	0.597	0.558
5312	39.264	39.112	37.474	37.863	42.154	43.949	43.842	39.105	37.073	43.667	34.231	38.071	35.378	40.475	37.285	38.595	40.475
53121	39.264	39.112	37.474	37.863	42.154	43.949	43.842	39.105	37.073	43.667	34.231	38.071	35.378	40.475	37.285	38.595	40.475
531210	39.528	39.375	37.726	38.117	42.437	44.245	44.137	39.368	37.323	43.960	34.461	38.327	35.616	40.748	37.536	38.854	40.748
5313	41.143	43.229	41.882	40.825	37.855	37.046	38.236	36.806	36.411	37.558	35.239	37.334	35.294	35.189	34.134	35.056	35.189
53131	32.713	34.776	33.693	32.421	30.524	30.055	31.115	29.730	29.302	30.318	27.783	29.308	27.859	27.921	27.257	27.476	27.921
531311	24.157	25.644	24.347	22.546	22.302	21.640	21.639	20.645	22.266	21.293	21.414	20.643	20.906	22.988	23.109	22.258	22.988
531312	7.953	8.386	8.507	8.844	7.539	7.491	8.287	8.126	6.813	7.807	6.331	7.848	6.608	5.613	5.139	5.727	5.613
53132	2.612	2.680	2.608	2.908	2.163	1.919	2.119	2.213	1.855	3.369	2.727	3.012	2.536	2.539	2.326	2.590	2.539
531320	2.612	2.680	2.608	2.908	2.163	1.919	2.119	2.213	1.855	3.369	2.727	3.012	2.536	2.539	2.326	2.590	2.539
53139	3.687	3.921	3.358	3.117	1.886	2.361	2.535	2.216	1.858	2.711	2.134	2.265	1.907	2.552	2.364	2.604	2.552
531390	3.687	3.921	3.358	3.117	1.886	2.361	2.535	2.216	1.858	2.711	2.134	2.265	1.907	2.552	2.364	2.604	2.552
532	71.541	14.738	34.833	52.338	68.412	14.779	34.053	47.445	69.297	9.926	25.022	72.064	51.053	75.790	47.449	50.559	75.790
5321	15.327	2.629	7.062	11.486	16.671	2.764	7.046	10.061	17.302	1.635	4.802	19.515	11.683	20.043	11.328	10.796	20.043
53211	9.200	1.536	4.182	6.847	10.101	1.596	4.121	5.852	10.409	0.909	2.738	11.857	6.866	12.306	6.866	6.424	12.306
53212	9.567	8.531	8.616	9.072	8.918	10.765	10.525	11.055	10.434	9.659	9.800	10.607	9.618	8.159	7.941	8.766	8.159
532120	8.654	7.717	7.794	8.207	8.067	9.738	9.520	10.000	9.438	8.738	8.865	9.595	8.701	7.380	7.183	7.930	7.380
5322	9.720	14.011	12.038	12.564	9.722	12.603	11.149	12.036	10.468	10.449	9.419	9.940	8.828	11.202	10.497	11.276	11.202
53221	3.729	3.767	3.570	3.464	3.429	3.230	3.388	3.308	3.466	3.605	3.718	3.563	3.468	3.661	3.659	3.452	3.661
532210	3.729	3.767	3.570	3.464	3.429	3.230	3.388	3.308	3.466	3.605	3.718	3.563	3.468	3.661	3.659	3.452	3.661
53229	4.094	6.909	5.853	6.448	4.249	6.425	5.279	5.997	4.788	4.088	3.473	3.880	3.256	4.481	4.018	4.483	4.481
5323	2.201	2.410	2.195	2.461	2.184	2.528	2.229	2.560	2.079	2.327	2.227	2.450	2.201	2.385	2.262	2.665	2.385
53231	2.201	2.410	2.195	2.461	2.184	2.528	2.229	2.560	2.079	2.327	2.227	2.450	2.201	2.385	2.262	2.665	2.385

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
532310	2.201	2.410	2.195	2.461	2.184	2.528	2.229	2.560	2.079	2.327	2.227	2.450	2.201	2.385	2.262	2.665	2.385
5324	79.136	51.290	46.314	44.819	53.567	46.506	43.306	42.386	48.577	37.888	34.959	35.302	39.763	42.171	42.171	47.999	42.171
533	12.293	4.097	6.787	10.156	9.327	3.862	5.521	7.266	7.605	3.791	5.021	7.497	6.751	13.824	9.776	13.567	13.824
5331	12.293	4.097	6.787	10.156	9.327	3.862	5.521	7.266	7.605	3.791	5.021	7.497	6.751	13.824	9.776	13.567	13.824
53311	12.293	4.097	6.787	10.156	9.327	3.862	5.521	7.266	7.605	3.791	5.021	7.497	6.751	13.824	9.776	13.567	13.824
533110	10.342	3.447	5.710	8.544	7.847	3.249	4.645	6.113	6.398	3.189	4.224	6.307	5.680	11.631	8.225	11.415	11.631
54	713.318	525.067	589.853	650.872	720.598	504.716	556.330	618.025	697.004	510.348	552.020	600.574	636.722	550.521	492.586	539.059	550.521
541	713.318	525.067	589.853	650.872	720.598	504.716	556.330	618.025	697.004	510.348	552.020	600.574	636.722	550.521	492.586	539.059	550.521
5411	429.862	396.756	363.572	389.408	445.634	399.955	343.919	372.774	418.396	401.949	338.759	380.545	416.729	375.540	339.995	357.960	375.540
54111	388.341	354.549	323.554	347.908	402.935	356.828	302.411	332.227	374.560	359.509	297.283	339.238	373.423	336.190	301.590	320.220	336.190
541110	404.150	368.982	336.725	362.071	419.338	371.354	314.722	345.751	389.808	374.144	309.385	353.048	388.624	349.876	313.868	333.256	349.876
54119	15.689	16.593	15.873	16.156	16.093	17.184	17.156	15.892	16.967	16.558	17.245	16.179	16.724	15.232	15.419	14.639	15.232
541191	16.611	16.983	16.432	16.710	16.555	17.127	17.216	16.026	17.071	16.569	17.377	16.219	16.846	15.678	15.883	15.064	15.678
541199	0.142	0.433	0.320	0.333	0.377	0.681	0.619	0.538	0.581	0.623	0.586	0.596	0.564	0.353	0.351	0.341	0.353
5412	63.175	61.782	61.515	65.562	69.279	64.536	61.916	68.251	75.078	59.984	54.082	60.342	65.842	47.516	44.498	50.523	47.516
54121	63.175	61.782	61.515	65.562	69.279	64.536	61.916	68.251	75.078	59.984	54.082	60.342	65.842	47.516	44.498	50.523	47.516
541211	49.172	46.073	45.439	48.212	44.617	46.441	42.566	44.514	43.109	37.280	36.358	38.422	36.155	34.744	32.905	37.196	34.744
541213	4.921	5.430	2.904	10.768	4.785	4.228	2.418	9.754	4.068	4.049	2.451	9.454	3.914	4.351	2.425	10.278	4.351
541214	3.722	4.754	4.410	4.537	4.384	8.082	8.353	7.810	9.360	6.576	6.902	6.233	7.017	5.373	5.197	5.179	5.373
541219	8.041	7.562	7.966	7.907	9.663	6.871	6.820	7.648	9.323	7.430	6.161	7.074	8.744	5.139	4.907	5.259	5.139
5413	243.354	115.353	156.569	199.613	212.367	107.300	148.204	185.080	201.656	97.562	142.275	183.098	181.654	163.174	127.872	162.762	163.174
54131	16.857	15.647	15.971	15.488	16.117	15.531	16.659	16.203	17.054	15.637	16.052	16.058	16.055	15.077	14.681	14.905	15.077
541310	16.857	15.647	15.971	15.488	16.117	15.531	16.659	16.203	17.054	15.637	16.052	16.058	16.055	15.077	14.681	14.905	15.077
54133	236.998	91.379	130.733	181.032	197.425	82.972	124.788	168.388	184.192	72.526	114.959	162.260	161.463	139.184	101.062	137.829	139.184
541330	236.998	91.379	130.733	181.032	197.425	82.972	124.788	168.388	184.192	72.526	114.959	162.260	161.463	139.184	101.062	137.829	139.184
54134	0.529	0.952	0.651	0.688	0.545	0.983	0.545	0.652	0.476	0.650	0.533	0.592	0.449	0.800	0.660	1.149	0.800
541340	0.529	0.952	0.651	0.688	0.545	0.983	0.545	0.652	0.476	0.650	0.533	0.592	0.449	0.800	0.660	1.149	0.800
54136	1.553	1.332	1.698	1.847	1.775	1.697	1.730	1.779	1.731	1.666	1.902	2.011	2.613	3.072	2.675	3.078	3.072
541360	1.553	1.332	1.698	1.847	1.775	1.697	1.730	1.779	1.731	1.666	1.902	2.011	2.613	3.072	2.675	3.078	3.072
54137	6.065	8.052	8.865	9.107	9.210	7.831	5.886	6.490	8.872	10.129	9.840	9.204	7.926	6.954	7.113	6.980	6.954
541370	6.065	8.052	8.865	9.107	9.210	7.831	5.886	6.490	8.872	10.129	9.840	9.204	7.926	6.954	7.113	6.980	6.954
54138	30.752	23.396	25.435	28.010	26.616	23.547	24.320	25.091	25.336	20.397	21.591	23.924	25.033	22.103	20.415	22.427	22.103
541380	30.752	23.396	25.435	28.010	26.616	23.547	24.320	25.091	25.336	20.397	21.591	23.924	25.033	22.103	20.415	22.427	22.103
5414	6.863	4.361	6.851	8.455	7.997	4.792	6.739	8.085	7.323	5.158	6.035	7.185	5.920	6.221	4.972	5.969	6.221
54143	3.157	1.741	3.004	4.087	3.990	2.075	3.167	4.324	3.748	2.304	2.735	3.429	2.942	3.403	2.467	3.408	3.403
541430	3.157	1.741	3.004	4.087	3.990	2.075	3.167	4.324	3.748	2.304	2.735	3.429	2.942	3.403	2.467	3.408	3.403
5415	113.065	114.222	110.522	106.117	115.829	83.344	86.781	83.035	91.198	97.083	88.241	71.553	84.966	84.891	85.114	81.696	84.891
54151	113.065	114.222	110.522	106.117	115.829	83.344	86.781	83.035	91.198	97.083	88.241	71.553	84.966	84.891	85.114	81.696	84.891
541511	43.557	38.169	38.008	37.975	40.619	32.084	33.352	33.595	34.996	27.662	29.931	29.514	29.137	24.326	23.438	23.781	24.326
541512	33.921	35.135	33.889	32.430	35.645	30.200	32.412	31.269	34.648	46.241	37.524	27.576	36.164	30.467	30.649	28.965	30.467
541513	19.441	26.263	20.528	17.976	20.429	22.574	19.634	17.333	19.858	34.565	22.730	15.286	22.144	30.283	33.291	27.697	30.283
541519	12.921	12.222	11.908	4.160	5.064	3.918	4.248	4.011	4.922	6.000	4.918	3.537	3.791	8.498	8.735	8.272	8.498
5416	94.841	73.759	82.350	87.358	105.819	74.717	79.629	82.080	100.531	73.126	75.596	77.612	78.424	71.838	68.499	66.790	71.838
54161	62.586	43.388	49.781	54.885	67.934	44.519	49.106	52.023	65.832	44.698	48.067	50.677	48.554	45.950	42.775	43.606	45.950
541611	35.374	20.998	25.072	29.642	39.558	22.883	25.490	28.622	37.342	19.691	25.496	28.469	25.796	24.293	21.733	23.570	24.293
541612	6.645	7.509	7.869	7.357	7.595	6.775	6.963	6.466	8.720	10.382	6.307	5.109	5.876	6.299	6.521	5.525	6.299
541613	9.610	7.694	9.012	9.543	8.985	6.333	7.767	9.252	9.086	7.420	7.183	8.916	7.890	5.618	5.005	5.380	5.618
541614	11.056	10.502	10.257	10.052	10.725	9.982	10.297	9.260	9.301	10.232	10.734	10.970	11.053	10.662	10.847	10.257	10.662
541618	3.714	2.183	2.269	2.370	2.990	2.389	2.879	2.358	2.754	2.381	2.547	2.422	2.721	2.652	2.570	2.355	2.652
54162	17.343	26.791	21.208	22.731	18.759	23.086	19.307	22.772	18.593	22.380	18.654	19.922	18.240	17.796	16.097	19.161	17.796
541620	17.343	26.791	21.208	22.731	18.759	23.086	19.307	22.772	18.593	22.380	18.654	19.922	18.240	17.796	16.097	19.161	17.796
54169	37.111	31.532	39.670	32.569	51.340	34.825	36.151	27.437	41.244	29.263	27.774	22.942	37.292	25.145	29.654	17.384	25.145
541690	37.124	31.543	39.683	32.580	51.357	34.837	36.164	27.446	41.258	29.273	27.784	22.950	37.305	25.154	29.665	17.390	25.154
5417	15.172	12.092	11.002	11.074	13.984	9.096	9.681	20.474	12.511	10.230	9.291	8.146	10.318	12.804	14.123	8.296	12.804
541712	13.153	8.813	8.520	9.674	11.929	7.620	8.466	20.970	11.581	9.841	8.007	7.175	9.014	13.087	14.420	8.300	13.087
5418	20.139	16.935	17.707	18.251	19.077	18.715	18.017	18.001	19.458	18.423	18.237	18.506	20.436	20.839	19.905	20.734	20.839

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
54181	6.439	5.946	5.732	6.274	6.188	6.773	6.402	6.740	7.082	7.079	6.699	7.268	7.874	8.353	7.747	8.441	8.353
541810	6.439	5.946	5.732	6.274	6.188	6.773	6.402	6.740	7.082	7.079	6.699	7.268	7.874	8.353	7.747	8.441	8.353
54182	2.386	1.642	1.879	1.878	2.152	1.665	1.878	1.928	2.195	1.818	2.163	1.945	2.294	2.199	2.121	2.150	2.199
541820	2.386	1.642	1.879	1.878	2.152	1.665	1.878	1.928	2.195	1.818	2.163	1.945	2.294	2.199	2.121	2.150	2.199
54183	2.269	1.272	1.332	1.346	1.754	1.239	1.301	1.232	1.504	1.180	1.202	1.234	1.399	1.156	1.101	1.136	1.156
541830	2.269	1.272	1.332	1.346	1.754	1.239	1.301	1.232	1.504	1.180	1.202	1.234	1.399	1.156	1.101	1.136	1.156
541840	0.757	0.630	0.490	0.449	0.585	0.613	0.479	0.411	0.502	0.584	0.443	0.412	0.352	0.431	0.453	0.424	0.431
54185	8.365	9.330	13.917	10.112	8.913	10.730	8.660	5.888	6.914	6.551	6.527	3.764	6.331	6.808	7.756	5.164	6.808
541850	8.365	9.330	13.917	10.112	8.913	10.730	8.660	5.888	6.914	6.551	6.527	3.764	6.331	6.808	7.756	5.164	6.808
54186	1.267	1.255	1.524	1.549	1.453	1.472	1.081	1.259	1.131	1.177	1.095	1.784	1.709	1.793	1.841	1.779	1.793
541860	1.267	1.255	1.524	1.549	1.453	1.472	1.081	1.259	1.131	1.177	1.095	1.784	1.709	1.793	1.841	1.779	1.793
5419	82.139	78.165	89.283	86.389	95.727	76.131	86.061	84.970	107.569	121.520	132.971	113.171	114.355	83.235	81.882	79.346	83.235
54192	2.731	2.338	2.540	2.500	3.015	2.397	2.474	2.522	2.882	2.404	2.617	2.771	3.591	3.323	3.281	2.859	3.323
541921	2.206	1.840	2.139	2.001	2.354	1.775	1.895	1.899	2.234	1.865	2.088	2.258	2.941	2.717	2.687	2.229	2.717
541922	0.531	0.515	0.387	0.505	0.699	0.672	0.600	0.651	0.691	0.565	0.535	0.510	0.644	0.602	0.589	0.648	0.602
54194	24.335	22.827	23.501	22.093	21.634	21.172	21.490	20.176	20.416	19.951	21.270	19.071	19.520	18.751	19.102	18.348	18.751
541940	24.335	22.827	23.501	22.093	21.634	21.172	21.490	20.176	20.416	19.951	21.270	19.071	19.520	18.751	19.102	18.348	18.751
54199	29.198	31.863	36.944	34.360	42.137	31.568	36.386	34.988	52.337	65.522	70.491	54.745	57.488	35.601	36.189	31.797	35.601
541990	29.198	31.863	36.944	34.360	42.137	31.568	36.386	34.988	52.337	65.522	70.491	54.745	57.488	35.601	36.189	31.797	35.601
55	63.643	43.940	65.562	94.782	93.957	46.012	59.823	85.115	72.690	47.158	59.554	76.661	80.512	74.813	61.376	71.202	74.813
551	63.643	43.940	65.562	94.782	93.957	46.012	59.823	85.115	72.690	47.158	59.554	76.661	80.512	74.813	61.376	71.202	74.813
5511	63.643	43.940	65.562	94.782	93.957	46.012	59.823	85.115	72.690	47.158	59.554	76.661	80.512	74.813	61.376	71.202	74.813
55111	63.643	43.940	65.562	94.782	93.957	46.012	59.823	85.115	72.690	47.158	59.554	76.661	80.512	74.813	61.376	71.202	74.813
551114	15.531	10.447	15.971	23.695	23.679	11.691	15.338	21.909	18.654	12.080	15.374	19.850	20.957	19.417	15.884	18.318	19.417
56	334.059	339.417	336.260	329.953	341.471	335.347	319.788	319.115	306.926	306.962	302.018	301.504	303.914	293.495	291.381	291.053	293.495
561	297.996	303.626	301.129	293.916	305.310	301.893	287.173	285.565	274.702	275.751	270.733	269.294	272.395	262.965	261.538	260.590	262.965
5611	41.476	38.010	43.960	44.083	45.989	31.421	30.713	33.732	37.555	36.436	30.106	36.661	37.188	35.062	31.293	36.577	35.062
56111	41.476	38.010	43.960	44.083	45.989	31.421	30.713	33.732	37.555	36.436	30.106	36.661	37.188	35.062	31.293	36.577	35.062
561110	41.476	38.010	43.960	44.083	45.989	31.421	30.713	33.732	37.555	36.436	30.106	36.661	37.188	35.062	31.293	36.577	35.062
5612	10.136	6.895	3.311	3.173	2.515	4.375	2.609	2.220	2.351	2.728	2.465	2.139	2.262	2.381	2.399	2.232	2.381
56121	10.136	6.895	3.311	3.173	2.515	4.375	2.609	2.220	2.351	2.728	2.465	2.139	2.262	2.381	2.399	2.232	2.381
561210	10.136	6.895	3.311	3.173	2.515	4.375	2.609	2.220	2.351	2.728	2.465	2.139	2.262	2.381	2.399	2.232	2.381
5613	92.922	93.115	94.190	93.247	95.499	102.629	101.211	98.727	93.708	89.687	89.412	88.165	93.482	83.831	84.648	81.966	83.831
56131	9.518	6.712	6.536	10.121	6.517	6.790	8.334	11.546	9.102	9.519	7.529	9.808	8.679	7.933	6.946	9.345	7.933
56132	70.228	78.764	76.798	71.687	76.469	92.334	90.813	83.699	79.397	76.324	75.583	69.042	72.179	71.353	74.468	67.304	71.353
561320	70.228	78.764	76.798	71.687	76.469	92.334	90.813	83.699	79.397	76.324	75.583	69.042	72.179	71.353	74.468	67.304	71.353
56133	8.482	7.748	8.230	8.354	8.548	7.952	7.626	7.695	7.499	7.034	7.313	7.702	8.442	6.691	6.571	6.712	6.691
561330	8.482	7.748	8.230	8.354	8.548	7.952	7.626	7.695	7.499	7.034	7.313	7.702	8.442	6.691	6.571	6.712	6.691
5614	35.307	40.818	38.705	37.628	39.064	38.474	37.055	35.963	37.530	39.305	38.270	36.727	37.945	38.831	38.903	37.048	38.831
56142	16.119	18.874	17.827	16.970	17.951	17.297	16.561	15.744	16.867	17.721	17.295	16.106	16.924	17.177	17.395	16.000	17.177
561421	1.457	0.714	0.725	0.649	0.755	0.567	0.650	0.516	0.616	0.514	0.555	0.416	0.536	0.494	0.548	0.399	0.494
561422	15.604	18.382	17.357	16.526	17.477	16.857	16.127	15.343	16.432	17.279	16.857	15.711	16.496	16.749	16.956	15.609	16.749
56143	3.987	3.970	3.524	3.895	3.743	3.596	3.499	3.691	3.325	3.416	3.284	3.545	3.355	3.411	3.364	3.500	3.411
561431	2.507	2.017	2.104	2.457	2.274	1.924	2.023	2.281	2.007	2.119	2.196	2.089	1.955	1.916	1.841	1.929	1.916
561439	2.254	2.345	2.018	2.206	2.133	2.104	2.017	2.099	1.898	1.940	1.833	2.036	1.930	1.977	1.960	2.036	1.977
56144	9.664	11.552	11.610	12.595	11.151	13.154	13.212	14.204	12.662	13.687	13.000	14.760	13.862	15.427	14.587	16.542	15.427
561440	9.664	11.552	11.610	12.595	11.151	13.154	13.212	14.204	12.662	13.687	13.000	14.760	13.862	15.427	14.587	16.542	15.427
56149	5.865	5.116	5.681	5.920	6.384	7.167	7.163	7.607	7.880	6.643	7.162	7.108	7.531	6.390	5.966	6.904	6.390
561491	0.948	0.896	0.910	0.725	0.695	1.088	0.994	0.943	1.103	1.008	0.994	0.881	1.255	1.155	1.207	1.111	1.155
561492	0.829	0.702	0.816	0.892	0.797	0.744	0.779	0.792	0.843	0.689	0.778	0.740	0.823	0.677	0.660	0.623	0.677
561499	1.130	0.962	1.023	1.097	1.278	1.473	1.464	1.692	1.657	1.387	1.468	1.487	1.477	1.245	1.118	1.434	1.245
5615	14.629	15.095	13.538	14.437	12.885	12.726	12.308	13.224	11.872	14.919	11.768	12.511	11.019	14.775	13.947	14.588	14.775
5616	37.683	39.399	35.986	37.809	41.080	40.646	37.568	42.230	36.446	37.711	36.298	38.411	34.645	33.351	32.372	34.804	33.351
56161	21.658	20.727	19.584	21.573	25.886	25.656	23.373	27.839	23.733	23.515	22.798	24.397	22.540	21.754	20.659	23.566	21.754
561612	16.100	15.507	14.454	14.694	14.796	14.061	13.525	15.457	13.671	12.591	13.744	13.305	13.286	11.319	11.412	11.197	11.319
56162	16.375	19.835	17.004	16.624	15.639	15.578	14.681	14.879	13.130	14.784	13.960	14.444	12.500	11.978	12.106	11.650	11.978

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
561621	15.081	18.470	15.780	15.472	14.411	14.481	13.628	13.929	12.138	13.799	13.013	13.539	11.535	11.121	11.220	10.821	11.121
561622	1.397	1.395	1.265	1.178	1.323	1.128	1.089	0.947	1.050	0.997	0.959	0.898	1.033	0.885	0.922	0.855	0.885
5617	52.586	52.060	54.940	52.062	51.091	49.569	53.363	50.689	49.103	45.241	49.872	46.898	46.101	45.185	46.167	46.597	45.185
56171	7.534	5.736	6.880	6.712	7.085	5.385	6.678	6.733	6.796	5.423	6.943	6.923	6.991	6.370	6.259	6.561	6.370
561710	7.534	5.736	6.880	6.712	7.085	5.385	6.678	6.733	6.796	5.423	6.943	6.923	6.991	6.370	6.259	6.561	6.370
56172	11.883	11.409	10.937	11.295	11.375	11.654	11.423	11.223	11.126	10.136	10.677	10.318	9.897	9.595	9.563	9.655	9.595
561720	11.883	11.409	10.937	11.295	11.375	11.654	11.423	11.223	11.126	10.136	10.677	10.318	9.897	9.595	9.563	9.655	9.595
56173	33.863	34.666	37.781	32.768	31.176	31.363	36.377	32.027	30.505	28.345	31.780	28.217	27.659	28.093	30.209	29.344	28.093
561730	33.863	34.666	37.781	32.768	31.176	31.363	36.377	32.027	30.505	28.345	31.780	28.217	27.659	28.093	30.209	29.344	28.093
56174	1.216	1.295	1.345	1.327	1.101	1.159	1.155	1.166	1.105	1.216	1.198	1.159	1.044	1.495	1.462	1.632	1.495
561740	1.216	1.295	1.345	1.327	1.101	1.159	1.155	1.166	1.105	1.216	1.198	1.159	1.044	1.495	1.462	1.632	1.495
56179	1.285	1.974	2.027	2.089	2.002	1.916	1.597	1.797	1.609	1.801	1.765	1.808	1.888	1.546	1.441	1.577	1.546
561790	1.285	1.974	2.027	2.089	2.002	1.916	1.597	1.797	1.609	1.801	1.765	1.808	1.888	1.546	1.441	1.577	1.546
5619	31.498	25.521	26.446	23.538	28.507	20.961	12.428	13.049	11.240	12.760	12.300	13.358	11.740	12.040	11.202	13.488	12.040
561990	3.606	2.912	3.012	2.679	3.249	2.382	1.398	1.470	1.263	1.436	1.383	1.508	1.323	1.363	1.266	1.530	1.363
562	40.840	38.821	37.666	41.566	39.688	33.492	33.590	36.381	34.861	32.159	33.078	35.874	33.377	32.501	30.954	32.781	32.501
5621	24.725	19.335	21.505	23.241	24.374	19.052	21.672	22.876	24.355	18.137	21.435	21.797	22.372	18.771	18.518	17.400	18.771
56211	24.725	19.335	21.505	23.241	24.374	19.052	21.672	22.876	24.355	18.137	21.435	21.797	22.372	18.771	18.518	17.400	18.771
562111	23.269	18.197	20.239	21.872	22.595	17.763	20.205	21.309	22.991	17.121	19.960	20.286	20.670	17.873	17.451	16.439	17.361
5622	5.989	6.968	6.438	7.139	7.723	5.904	5.541	6.042	5.765	5.527	5.568	5.826	5.165	6.533	6.256	6.580	6.533
56221	5.989	6.968	6.438	7.139	7.723	5.904	5.541	6.042	5.765	5.527	5.568	5.826	5.165	6.533	6.256	6.580	6.533
5629	11.184	11.978	9.990	11.454	8.615	8.701	7.457	8.391	6.913	8.592	7.175	8.964	7.562	7.538	6.724	8.730	7.538
56291	6.618	6.602	5.372	6.404	4.710	4.035	3.592	3.864	3.121	4.112	3.369	4.459	3.875	3.540	3.064	4.025	3.540
562910	6.618	6.602	5.372	6.404	4.710	4.035	3.592	3.864	3.121	4.112	3.369	4.459	3.875	3.540	3.064	4.025	3.540
56A	303.345	313.114	308.317	299.573	309.373	310.391	292.576	290.197	276.807	283.299	275.016	273.882	276.377	268.191	266.607	267.073	268.191
61	18.232	17.617	17.517	18.016	17.918	16.706	16.523	17.107	16.845	15.731	15.463	16.114	16.049	15.679	15.475	15.876	15.679
611	18.232	17.617	17.517	18.016	17.918	16.706	16.523	17.107	16.845	15.731	15.463	16.114	16.049	15.679	15.475	15.876	15.679
6114	3.794	4.884	5.095	4.897	5.260	4.802	5.240	5.099	5.525	4.673	4.782	4.146	4.943	4.936	5.157	4.228	4.936
61143	3.765	5.009	5.319	5.143	5.627	4.997	5.441	5.293	5.919	5.028	5.123	4.346	5.302	5.288	5.561	4.502	5.288
611430	3.765	5.009	5.319	5.143	5.627	4.997	5.441	5.293	5.919	5.028	5.123	4.346	5.302	5.288	5.561	4.502	5.288
6115	6.380	6.254	6.737	6.119	6.411	6.297	5.944	5.721	6.168	5.936	5.902	5.399	5.790	6.238	6.379	6.115	6.238
61151	6.380	6.254	6.737	6.119	6.411	6.297	5.944	5.721	6.168	5.936	5.902	5.399	5.790	6.238	6.379	6.115	6.238
611511	0.668	0.487	0.569	0.628	0.690	0.595	0.610	0.619	0.496	0.501	0.684	0.522	0.499	0.466	0.452	0.485	0.466
611512	5.803	3.813	5.546	4.530	6.605	4.688	5.277	4.696	6.476	4.329	5.389	4.645	6.378	6.359	6.523	5.839	6.359
611513	0.410	0.262	0.332	0.346	0.414	0.379	0.371	0.331	0.357	0.349	0.326	0.327	0.346	0.356	0.318	0.320	0.309
611519	4.265	4.847	4.874	4.865	3.972	4.359	3.940	4.199	3.804	4.120	3.740	3.845	3.369	3.967	3.855	4.115	3.967
6116	5.207	4.229	4.684	4.701	4.858	3.749	4.307	4.279	4.584	4.191	4.201	4.027	4.277	3.970	3.812	3.732	3.970
61161	1.062	1.062	1.023	1.583	1.235	1.057	1.057	1.462	1.183	1.512	1.127	1.242	0.996	1.082	0.904	1.347	1.082
611610	0.957	0.957	0.922	1.428	1.114	0.953	0.953	1.319	1.067	1.364	1.016	1.120	0.898	0.976	0.815	1.215	0.976
61169	3.894	3.199	3.497	2.905	3.259	2.669	2.931	2.440	2.853	2.495	2.858	2.270	2.596	2.253	2.442	1.911	2.253
611691	2.738	1.612	1.774	1.489	1.761	1.168	1.314	1.175	1.439	1.097	1.342	1.096	1.403	1.026	1.139	0.847	1.026
62	1202.712	1235.704	1210.143	1096.829	1186.254	1135.126	1182.037	1081.211	1148.277	1084.985	1131.868	1040.043	1106.444	1081.233	1103.953	1021.176	1081.233
621	567.268	512.784	518.246	489.698	520.751	464.648	478.450	458.428	477.881	454.096	464.264	454.055	465.706	467.576	465.651	453.521	467.576
6211	313.279	265.508	272.186	247.109	275.703	249.476	262.573	242.873	261.996	246.332	252.153	238.615	250.305	253.853	254.887	241.686	253.853
62111	313.279	265.508	272.186	247.109	275.703	249.476	262.573	242.873	261.996	246.332	252.153	238.615	250.305	253.853	254.887	241.686	253.853
621111	308.217	260.948	267.232	242.755	270.592	245.026	257.435	238.156	256.526	243.977	249.832	236.353	248.090	251.401	252.499	239.291	251.401
621112	3.392	3.516	3.811	3.466	3.613	3.494	4.071	3.923	4.020	1.107	1.035	1.049	0.959	1.170	1.092	1.186	1.170
6212	65.525	61.675	63.123	64.331	62.133	58.902	59.294	61.387	59.769	55.944	57.337	58.820	57.741	57.574	55.799	57.571	57.574
62121	65.525	61.675	63.123	64.331	62.133	58.902	59.294	61.387	59.769	55.944	57.337	58.820	57.741	57.574	55.799	57.571	57.574
621210	65.525	61.675	63.123	64.331	62.133	58.902	59.294	61.387	59.769	55.944	57.337	58.820	57.741	57.574	55.799	57.571	57.574
6213	57.097	47.909	50.381	48.910	51.381	41.219	43.858	44.072	46.355	37.429	39.082	41.009	42.159	37.417	36.650	36.487	37.417
62131	11.238	10.582	10.601	9.959	9.795	9.348	9.276	9.495	9.326	9.208	8.697	9.087	8.845	8.845	8.483	8.835	8.845
621310	11.238	10.582	10.601	9.959	9.795	9.348	9.276	9.495	9.326	9.208	8.697	9.087	8.845	8.845	8.483	8.835	8.845
62132	17.340	14.538	14.067	13.450	12.745	11.738	10.420	11.567	10.938	10.088	9.451	11.092	10.058	9.779	9.291	10.394	9.779
621320	17.340	14.538	14.067	13.450	12.745	11.738	10.420	11.567	10.938	10.088	9.451	11.092	10.058	9.779	9.291	10.394	9.779
62133	4.276	4.055	4.027	4.400	3.788	3.202	3.692	3.864	3.402	2.966	3.475	3.182	2.978	2.570	2.399	2.523	2.570

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
621330	4.276	4.055	4.027	4.400	3.788	3.202	3.692	3.864	3.402	2.966	3.475	3.182	2.978	2.570	2.399	2.523	2.570
62134	15.061	16.202	16.053	15.119	15.734	14.389	14.865	14.231	15.576	13.245	13.435	13.471	14.388	12.230	12.547	11.728	12.230
621340	15.120	16.265	16.116	15.178	15.796	14.445	14.923	14.286	15.637	13.297	13.488	13.523	14.444	12.278	12.596	11.773	12.278
62139	9.546	3.901	5.435	5.832	7.849	3.338	4.642	4.709	5.600	2.842	3.647	4.059	4.651	3.775	3.457	3.397	3.775
621391	1.731	0.427	0.599	0.758	0.698	0.656	0.654	0.558	0.572	0.651	0.650	0.541	0.541	0.607	0.632	0.563	0.607
621399	7.590	3.226	4.556	4.843	6.833	2.675	3.816	3.942	4.814	2.251	2.928	3.362	3.945	3.065	2.767	2.748	3.065
6214	66.059	60.285	58.984	55.581	55.904	48.021	45.359	46.214	44.435	41.929	43.136	43.099	44.395	40.007	39.402	39.861	40.007
62142	11.143	8.883	9.423	9.042	9.317	7.621	7.880	7.717	7.532	6.557	8.205	8.252	8.351	7.210	7.012	7.376	7.210
621420	11.143	8.883	9.423	9.042	9.317	7.621	7.880	7.717	7.532	6.557	8.205	8.252	8.351	7.210	7.012	7.376	7.210
62149	48.069	46.235	44.049	43.266	40.599	35.821	32.382	35.153	31.313	30.988	28.779	30.378	29.040	28.133	26.621	29.789	28.133
621492	16.904	18.270	17.407	17.097	16.043	14.155	11.860	15.015	11.972	11.422	9.822	11.678	10.453	10.036	8.754	10.943	9.146
621493	15.914	13.502	12.030	9.781	8.835	11.285	8.895	10.966	8.252	9.106	8.625	8.469	8.066	8.924	8.672	8.826	8.924
621498	20.443	21.701	23.179	20.449	21.359	19.841	17.894	18.085	17.091	15.485	14.692	14.616	14.804	13.479	12.871	14.047	13.479
6215	75.812	93.745	83.295	88.932	85.438	38.017	39.797	37.265	35.300	35.410	33.432	33.898	33.189	32.952	32.625	32.558	32.952
62151	75.812	93.745	83.295	88.932	85.438	38.017	39.797	37.265	35.300	35.410	33.432	33.898	33.189	32.952	32.625	32.558	32.952
621511	105.904	129.885	119.957	140.621	123.079	31.640	34.026	33.103	25.722	30.069	25.958	30.893	25.752	28.409	25.978	30.586	28.409
621512	13.536	13.459	12.911	12.415	14.097	13.543	13.813	12.569	13.634	12.384	12.466	11.211	12.331	11.360	11.953	10.506	11.360
6216	25.567	28.677	27.719	27.898	28.629	30.278	28.180	28.780	29.406	32.040	32.601	33.451	33.228	34.389	34.493	34.685	34.389
62161	25.567	28.677	27.719	27.898	28.629	30.278	28.180	28.780	29.406	32.040	32.601	33.451	33.228	34.389	34.493	34.685	34.389
621610	25.567	28.677	27.719	27.898	28.629	30.278	28.180	28.780	29.406	32.040	32.601	33.451	33.228	34.389	34.493	34.685	34.389
6219	15.369	17.317	17.364	18.541	16.590	16.311	16.121	17.218	15.594	16.552	17.026	18.835	16.962	18.504	17.823	19.320	18.504
62191	9.666	10.706	11.722	9.598	10.644	9.880	10.114	7.947	8.927	9.821	11.038	9.199	11.123	9.198	9.613	7.924	9.198
621910	9.666	10.706	11.722	9.598	10.644	9.880	10.114	7.947	8.927	9.821	11.038	9.199	11.123	9.198	9.613	7.924	9.198
62199	6.718	7.692	7.239	9.113	7.147	7.344	7.092	8.990	7.255	7.552	7.318	9.559	7.187	9.304	8.597	10.630	9.304
621991	4.445	6.364	5.665	6.005	4.946	5.930	5.515	5.815	4.921	5.964	5.550	6.087	5.050	7.800	7.463	7.654	7.800
621999	1.588	1.486	1.465	2.098	1.634	1.446	1.443	2.094	1.684	1.513	1.518	2.247	1.624	1.778	1.590	2.306	1.778
622	422.218	511.414	480.085	404.058	459.556	476.340	504.279	426.727	474.581	454.995	490.035	412.945	464.254	442.401	468.097	398.780	442.401
6221	420.617	509.863	484.963	420.874	458.409	477.979	493.450	442.193	465.516	451.543	476.899	427.969	459.673	445.574	458.244	419.767	445.574
62211	420.617	509.863	484.963	420.874	458.409	477.979	493.450	442.193	465.516	451.543	476.899	427.969	459.673	445.574	458.244	419.767	445.574
622110	417.444	506.016	481.304	417.699	454.951	474.373	489.727	438.857	462.004	448.137	473.301	424.740	456.206	442.212	454.787	416.600	442.212
623	108.828	115.796	110.228	106.280	104.972	108.702	107.998	104.474	100.457	93.620	94.367	89.236	91.425	91.226	91.715	90.458	91.226
6231	66.720	71.492	67.849	65.239	64.550	63.886	60.425	57.179	54.135	49.135	49.319	42.703	45.168	47.146	48.286	47.160	47.146
62311	66.720	71.492	67.849	65.239	64.550	63.886	60.425	57.179	54.135	49.135	49.319	42.703	45.168	47.146	48.286	47.160	47.146
623110	66.720	71.492	67.849	65.239	64.550	63.886	60.425	57.179	54.135	49.135	49.319	42.703	45.168	47.146	48.286	47.160	47.146
6232	15.001	15.793	15.495	14.665	15.277	17.450	18.007	17.936	17.880	17.778	18.252	18.120	18.491	18.177	18.048	18.086	18.177
62321	11.517	11.749	11.791	11.958	11.793	11.827	12.263	12.833	12.259	12.546	12.867	13.169	13.106	12.999	12.649	13.312	12.999
623210	11.517	11.749	11.791	11.958	11.793	11.827	12.263	12.833	12.259	12.546	12.867	13.169	13.106	12.999	12.649	13.312	12.999
62322	3.654	3.987	3.811	3.299	3.695	4.909	5.028	4.751	4.953	4.785	4.914	4.718	4.948	4.817	4.890	4.642	4.817
623220	3.654	3.987	3.811	3.299	3.695	4.909	5.028	4.751	4.953	4.785	4.914	4.718	4.948	4.817	4.890	4.642	4.817
6233	31.078	34.538	32.458	31.278	29.819	30.783	30.518	29.062	27.582	24.557	24.346	23.806	23.595	22.976	23.048	22.018	22.976
62331	31.078	34.538	32.458	31.278	29.819	30.783	30.518	29.062	27.582	24.557	24.346	23.806	23.595	22.976	23.048	22.018	22.976
623311	18.889	21.454	19.932	19.260	18.247	19.271	18.949	17.823	17.006	14.764	14.804	14.161	14.280	12.729	12.781	12.126	12.729
623312	9.073	8.782	8.958	8.430	8.285	7.335	7.731	8.076	7.226	7.862	7.206	8.077	7.097	10.929	10.924	10.716	10.929
6239	4.642	4.175	3.389	3.521	3.334	3.341	3.828	3.988	3.763	3.697	3.689	3.910	3.914	3.582	3.463	3.859	3.582
62399	4.642	4.175	3.389	3.521	3.334	3.341	3.828	3.988	3.763	3.697	3.689	3.910	3.914	3.582	3.463	3.859	3.582
623990	4.642	4.175	3.389	3.521	3.334	3.341	3.828	3.988	3.763	3.697	3.689	3.910	3.914	3.582	3.463	3.859	3.582
624	103.814	107.407	106.696	102.277	103.862	98.995	101.340	99.839	100.295	88.781	88.100	84.767	85.992	79.007	79.254	77.588	79.007
6241	59.386	65.096	63.461	60.529	62.912	59.816	60.770	59.605	60.389	54.378	52.668	50.664	51.996	44.828	44.910	44.277	44.828
62411	7.085	7.031	6.994	6.631	7.097	5.885	6.621	6.110	6.832	6.319	6.438	5.544	6.152	4.752	4.943	4.326	4.752
624110	7.085	7.031	6.994	6.631	7.097	5.885	6.621	6.110	6.832	6.319	6.438	5.544	6.152	4.752	4.943	4.326	4.752
62412	23.737	25.675	26.231	23.500	25.694	25.647	24.973	23.017	23.541	20.077	18.638	17.377	17.117	13.761	13.924	13.070	13.761
624120	23.737	25.675	26.231	23.500	25.694	25.647	24.973	23.017	23.541	20.077	18.638	17.377	17.117	13.761	13.924	13.070	13.761
62419	31.463	35.834	33.888	33.215	33.284	32.194	32.598	33.121	32.682	30.377	29.545	29.227	30.030	26.984	26.809	27.270	26.984
624190	31.463	35.834	33.888	33.215	33.284	32.194	32.598	33.121	32.682	30.377	29.545	29.227	30.030	26.984	26.809	27.270	26.984
6242	11.330	11.123	12.081	10.830	10.776	10.546	11.748	10.225	10.750	6.728	7.722	5.954	6.375	8.609	8.884	7.113	8.609
6243	17.851	17.851	17.993	19.368	17.070	16.015	16.011	18.213	17.012	13.627	12.215	11.057	11.770	11.872	11.691	11.805	11.872

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
62431	17.851	17.851	17.993	19.368	17.070	16.015	16.011	18.213	17.012	13.627	12.215	11.057	11.770	11.872	11.691	11.805	11.872
624310	17.851	17.851	17.993	19.368	17.070	16.015	16.011	18.213	17.012	13.627	12.215	11.057	11.770	11.872	11.691	11.805	11.872
6244	18.480	15.950	16.302	15.882	15.419	14.800	15.089	15.417	14.861	14.797	15.538	16.268	15.485	14.956	14.950	15.364	14.956
62441	18.480	15.950	16.302	15.882	15.419	14.800	15.089	15.417	14.861	14.797	15.538	16.268	15.485	14.956	14.950	15.364	14.956
624410	18.480	15.950	16.302	15.882	15.419	14.800	15.089	15.417	14.861	14.797	15.538	16.268	15.485	14.956	14.950	15.364	14.956
71	141.559	139.133	132.776	125.369	117.726	149.144	124.929	117.497	117.956	117.345	116.528	109.947	116.147	110.953	113.424	107.582	110.953
711	65.698	82.754	75.390	75.096	62.480	80.200	69.797	66.473	59.971	69.628	51.616	54.586	51.036	54.108	50.804	53.584	54.108
7112	15.236	16.725	21.791	19.047	16.261	16.391	20.651	16.477	14.698	11.898	10.665	10.855	9.955	9.696	10.045	10.286	9.696
71121	15.236	16.725	21.791	19.047	16.261	16.391	20.651	16.477	14.698	11.898	10.665	10.855	9.955	9.696	10.045	10.286	9.696
7113	3.438	4.510	3.055	3.410	3.213	3.960	2.913	3.211	3.064	4.094	2.759	3.277	3.445	3.596	3.046	3.640	3.596
71131	0.599	0.413	0.476	0.576	0.545	0.379	0.446	0.563	0.550	0.457	0.448	0.588	0.539	0.487	0.390	0.603	0.487
711310	0.599	0.413	0.476	0.576	0.545	0.379	0.446	0.563	0.550	0.457	0.448	0.588	0.539	0.487	0.390	0.603	0.487
71132	3.293	4.819	3.014	3.315	3.099	4.211	2.884	3.095	2.910	4.273	2.698	3.141	3.390	3.649	3.122	3.553	3.649
711320	3.293	4.819	3.014	3.315	3.099	4.211	2.884	3.095	2.910	4.273	2.698	3.141	3.390	3.649	3.122	3.553	3.649
7114	0.065	0.172	0.217	0.189	0.198	0.423	0.212	0.116	0.114	0.084	0.120	0.163	0.149	0.111	0.111	0.096	0.111
71141	0.065	0.172	0.217	0.189	0.198	0.423	0.212	0.116	0.114	0.084	0.120	0.163	0.149	0.111	0.111	0.096	0.111
711410	0.065	0.172	0.217	0.189	0.198	0.423	0.212	0.116	0.114	0.084	0.120	0.163	0.149	0.111	0.111	0.096	0.111
712	7.210	7.230	6.832	7.894	7.243	7.105	6.250	7.352	6.516	6.315	5.732	6.701	5.912	5.641	5.316	6.475	5.641
7121	7.210	7.230	6.832	7.894	7.243	7.105	6.250	7.352	6.516	6.315	5.732	6.701	5.912	5.641	5.316	6.475	5.641
713	112.683	102.517	100.400	90.664	87.887	115.460	95.343	86.372	90.776	85.936	94.208	83.755	93.517	87.385	92.156	82.082	87.385
7139	15.242	12.831	13.141	10.845	11.828	11.404	12.009	10.224	11.415	10.783	12.564	10.462	12.000	11.253	12.601	10.398	11.253
71391	11.162	11.874	12.550	10.097	10.723	11.197	11.773	9.901	10.752	10.490	11.608	9.971	10.855	10.749	11.858	10.023	10.749
713910	11.162	11.874	12.550	10.097	10.723	11.197	11.773	9.901	10.752	10.490	11.608	9.971	10.855	10.749	11.858	10.023	10.749
71393	1.072	0.615	0.941	0.809	0.942	0.845	0.960	0.738	1.167	0.748	1.322	0.985	1.069	1.094	1.218	1.169	1.094
713930	1.072	0.615	0.941	0.809	0.942	0.845	0.960	0.738	1.167	0.748	1.322	0.985	1.069	1.094	1.218	1.169	1.094
71394	15.541	10.745	11.174	9.876	10.955	10.115	10.810	9.885	10.724	10.102	11.262	9.763	11.971	10.551	11.491	9.908	10.551
713940	15.698	10.853	11.287	9.975	11.066	10.217	10.919	9.984	10.832	10.203	11.376	9.861	12.091	10.658	11.606	10.008	10.658
71395	5.277	5.962	6.200	5.748	3.366	2.946	3.111	2.439	2.064	2.404	2.698	2.300	2.778	2.531	2.627	2.175	2.531
713950	5.277	5.962	6.200	5.748	3.366	2.946	3.111	2.439	2.064	2.404	2.698	2.300	2.778	2.531	2.627	2.175	2.531
71399	9.140	7.978	5.651	3.346	6.546	6.894	6.082	4.207	5.575	5.336	8.290	5.233	4.937	5.387	7.580	4.463	5.387
713990	10.167	8.874	6.285	3.722	7.281	7.669	6.765	4.680	6.202	5.935	9.221	5.821	5.492	5.992	8.431	4.964	5.992
72	392.621	407.230	400.045	394.733	378.674	373.465	372.113	368.586	353.887	347.977	354.176	346.873	341.059	338.678	339.202	343.882	338.678
721	84.186	99.050	91.150	89.935	89.338	80.056	82.528	76.024	77.557	79.459	79.106	77.842	81.045	80.834	82.305	78.122	80.834
7211	71.750	84.399	77.836	76.870	76.310	68.274	70.459	64.871	66.141	67.542	67.498	66.219	69.009	68.287	69.512	65.978	68.287
72111	49.129	58.048	53.498	52.835	52.430	46.954	48.507	44.419	45.280	46.399	46.368	45.352	47.451	46.993	47.906	45.292	46.993
721110	49.129	58.048	53.498	52.835	52.430	46.954	48.507	44.419	45.280	46.399	46.368	45.352	47.451	46.993	47.906	45.292	46.993
72119	0.838	0.766	0.736	0.731	0.742	0.623	0.606	0.758	0.778	0.651	0.657	0.765	0.641	0.602	0.560	0.674	0.602
721191	0.405	0.373	0.300	0.287	0.315	0.244	0.247	0.297	0.324	0.261	0.236	0.265	0.240	0.221	0.214	0.229	0.221
721199	0.391	0.335	0.413	0.424	0.402	0.361	0.340	0.439	0.431	0.369	0.413	0.496	0.389	0.371	0.334	0.444	0.371
722	304.937	311.213	308.361	304.303	290.585	290.061	287.797	287.614	274.128	268.165	273.686	267.925	261.469	259.490	259.315	265.200	259.490
7223	10.704	12.325	12.425	11.190	10.406	12.700	12.629	11.731	12.073	10.773	11.064	10.797	11.403	11.178	11.310	11.012	11.178
72231	8.995	10.860	10.157	9.387	8.845	10.064	10.134	10.916	10.027	9.322	9.695	10.333	9.740	9.715	9.542	9.187	9.715
722310	8.995	10.860	10.157	9.387	8.845	10.064	10.134	10.916	10.027	9.322	9.695	10.333	9.740	9.715	9.542	9.187	9.715
7224	9.609	9.575	9.264	9.780	8.645	7.846	7.624	7.748	6.699	6.754	6.978	7.253	6.359	6.878	6.705	7.124	6.878
72241	9.609	9.575	9.264	9.780	8.645	7.846	7.624	7.748	6.699	6.754	6.978	7.253	6.359	6.878	6.705	7.124	6.878
722410	9.609	9.575	9.264	9.780	8.645	7.846	7.624	7.748	6.699	6.754	6.978	7.253	6.359	6.878	6.705	7.124	6.878
81	199.849	210.072	205.304	198.672	199.624	199.717	200.249	191.535	196.387	193.141	192.921	186.523	191.317	191.134	192.948	188.235	191.134
811	81.689	79.091	83.639	79.026	83.762	74.797	79.963	77.068	83.095	73.916	77.633	74.157	80.863	82.425	82.709	79.189	82.425
8111	51.685	50.694	50.870	51.450	48.401	47.098	47.847	49.092	47.553	45.339	46.386	46.200	46.552	45.719	45.050	46.604	45.719
81111	22.742	21.643	22.420	22.349	21.226	20.393	20.749	20.865	20.961	19.187	19.900	19.500	19.925	20.576	20.484	20.493	20.576
811111	21.204	20.418	20.742	19.859	19.354	18.242	18.677	18.006	18.686	17.339	17.813	16.695	17.423	18.564	18.937	18.225	18.564
811112	0.808	0.578	0.712	0.785	0.807	0.256	0.277	0.305	0.272	0.201	0.225	0.253	0.260	0.211	0.204	0.206	0.211
811113	1.378	1.467	1.485	1.828	1.485	1.829	1.508	1.807	1.371	1.591	1.415	1.708	1.514	1.420	1.335	1.567	1.420
811118	0.562	0.548	0.582	0.645	0.557	0.701	0.724	0.826	0.786	0.660	0.727	0.805	0.775	0.739	0.672	0.768	0.739
81112	22.208	22.947	22.011	22.786	20.446	20.760	20.686	21.749	20.398	20.356	20.256	21.189	20.355	19.047	18.373	20.030	19.047
811121	15.847	16.452	15.633	16.259	14.424	14.877	14.685	15.449	14.287	13.953	13.984	14.566	13.853	13.051	12.524	13.710	13.051

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
811122	3.264	3.376	3.572	3.585	3.432	3.073	3.373	3.576	3.690	4.469	4.216	4.558	4.723	4.190	4.194	4.439	4.190
81119	6.697	6.323	6.458	6.464	6.619	6.032	6.389	6.569	6.153	5.928	6.235	5.784	6.269	5.975	5.997	6.074	5.975
811191	3.493	3.398	3.455	3.522	3.453	3.398	3.412	3.849	3.516	3.282	3.363	3.602	3.245	3.405	3.356	3.526	3.405
811192	2.876	2.538	2.739	2.593	2.914	2.364	2.798	2.678	2.467	2.275	2.585	2.082	2.640	2.359	2.400	2.382	2.359
811198	0.252	0.229	0.252	0.243	0.256	0.332	0.224	0.251	0.290	0.374	0.300	0.335	0.322	0.307	0.306	0.302	0.307
8112	3.455	4.474	3.689	3.212	3.808	4.069	3.908	3.443	4.508	5.262	4.592	3.945	4.811	4.607	4.972	3.944	4.607
81121	3.455	4.474	3.689	3.212	3.808	4.069	3.908	3.443	4.508	5.262	4.592	3.945	4.811	4.607	4.972	3.944	4.607
811212	0.943	0.900	1.008	0.793	0.877	0.739	0.790	0.816	0.769	0.762	0.724	0.727	0.769	0.983	0.975	0.991	0.983
811219	2.948	3.871	3.124	2.762	3.261	3.515	3.335	2.925	3.917	4.596	3.972	3.398	4.183	3.889	4.252	3.313	3.913
8113	27.804	23.338	29.137	25.968	32.139	22.897	27.294	25.295	29.446	20.680	24.049	23.154	27.433	30.229	29.676	28.179	30.229
81131	27.804	23.338	29.137	25.968	32.139	22.897	27.294	25.295	29.446	20.680	24.049	23.154	27.433	30.229	29.676	28.179	30.229
811310	27.804	23.338	29.137	25.968	32.139	22.897	27.294	25.295	29.446	20.680	24.049	23.154	27.433	30.229	29.676	28.179	30.229
8114	1.967	2.250	2.389	1.995	2.225	2.243	2.414	2.018	2.442	2.385	2.499	2.075	2.249	2.476	2.696	2.236	2.476
81141	0.617	0.777	0.782	0.637	0.750	0.734	0.792	0.592	0.849	0.816	0.826	0.630	0.754	0.875	1.002	0.765	0.875
81142	0.303	0.416	0.423	0.383	0.369	0.393	0.428	0.356	0.418	0.437	0.447	0.396	0.344	0.391	0.403	0.384	0.391
811420	0.303	0.416	0.423	0.383	0.369	0.393	0.428	0.356	0.418	0.437	0.447	0.396	0.344	0.391	0.403	0.384	0.391
81149	1.941	1.696	2.315	1.840	2.122	1.896	2.252	2.155	2.350	1.944	2.018	1.926	2.048	1.936	1.948	1.751	1.936
811490	1.691	1.478	2.017	1.603	1.849	1.652	1.962	1.877	2.047	1.694	1.758	1.678	1.784	1.687	1.697	1.526	1.687
812	48.609	50.395	49.514	50.364	48.212	48.165	48.643	48.909	47.482	46.612	46.526	47.292	44.996	44.614	43.928	45.736	44.614
8121	15.171	15.820	15.528	15.931	14.865	14.524	14.551	14.893	14.138	13.770	13.507	13.633	13.103	12.747	12.709	12.688	12.747
81211	10.733	11.419	11.112	11.243	10.678	10.078	10.381	10.411	10.134	9.617	9.498	9.342	9.009	8.907	8.973	8.858	8.907
812111	0.444	0.476	0.384	0.347	0.348	0.374	0.300	0.267	0.199	0.201	0.154	0.187	0.152	0.178	0.190	0.170	0.178
812112	8.751	9.559	9.408	9.514	9.203	8.730	8.782	8.907	8.883	8.466	8.496	8.436	8.203	8.131	8.154	8.072	8.131
812113	1.968	1.555	1.484	1.527	1.349	1.055	1.497	1.388	1.320	1.077	0.965	0.773	0.727	0.627	0.662	0.655	0.627
81219	4.693	4.679	4.662	4.966	4.396	4.729	4.407	4.765	4.207	4.416	4.255	4.595	4.382	4.083	3.961	4.074	4.083
812191	0.828	1.038	0.736	0.785	0.618	0.836	0.775	0.839	0.659	1.346	1.158	1.507	1.089	1.276	1.236	1.289	1.276
812199	4.086	3.843	4.049	4.311	3.940	3.998	3.778	4.083	3.722	3.427	3.392	3.503	3.586	3.152	3.059	3.135	3.152
8122	9.048	8.926	9.303	9.618	9.349	8.643	8.718	9.323	9.158	8.384	8.637	9.147	8.717	8.814	8.419	9.789	8.814
81221	7.649	7.707	8.112	8.361	7.972	7.472	7.403	7.763	7.444	7.115	6.951	7.482	7.327	7.119	6.815	7.717	7.119
812210	7.244	7.299	7.683	7.918	7.550	7.076	7.011	7.352	7.050	6.738	6.583	7.086	6.939	6.742	6.454	7.309	6.742
81222	1.213	1.102	1.089	1.140	1.196	1.060	1.171	1.367	1.479	1.129	1.451	1.445	1.205	1.462	1.384	1.768	1.462
812220	1.213	1.102	1.089	1.140	1.196	1.060	1.171	1.367	1.479	1.129	1.451	1.445	1.205	1.462	1.384	1.768	1.462
8123	14.544	15.221	14.628	15.002	14.442	14.999	14.897	14.626	14.231	14.447	14.306	14.663	13.991	14.372	14.137	14.687	14.372
81231	2.716	2.928	2.687	3.108	2.537	3.053	2.808	2.777	2.147	2.259	1.948	2.086	1.596	1.829	1.714	2.057	1.829
812310	2.769	2.985	2.740	3.169	2.587	3.113	2.863	2.832	2.190	2.303	1.986	2.127	1.628	1.865	1.748	2.098	1.865
81232	3.783	4.348	4.131	4.498	3.973	4.302	4.183	4.515	4.042	4.360	4.275	4.629	4.130	4.513	4.349	4.807	4.513
812320	3.817	4.387	4.168	4.538	4.009	4.340	4.221	4.555	4.078	4.399	4.313	4.670	4.167	4.554	4.387	4.850	4.554
81233	8.465	8.689	8.360	8.290	8.307	8.496	8.506	8.076	8.221	8.257	8.244	8.252	8.155	8.172	8.132	8.161	8.172
8129	9.955	10.290	10.211	9.715	9.766	9.946	10.747	10.360	10.535	10.221	10.567	10.281	9.505	8.732	8.625	8.918	8.732
81291	2.990	3.064	3.159	2.887	2.925	2.573	3.002	2.575	2.765	2.305	2.622	2.397	2.444	2.165	2.195	2.106	2.165
812910	2.990	3.064	3.159	2.887	2.925	2.573	3.002	2.575	2.765	2.305	2.622	2.397	2.444	2.165	2.195	2.106	2.165
81293	3.188	3.533	3.165	3.139	3.333	3.840	3.876	3.836	3.838	4.049	4.093	3.829	3.424	3.289	3.273	3.325	3.289
812930	3.188	3.533	3.165	3.139	3.333	3.840	3.876	3.836	3.838	4.049	4.093	3.829	3.424	3.289	3.273	3.325	3.289
813	73.697	79.654	75.213	73.374	72.066	74.898	74.088	68.260	69.556	70.380	71.255	68.137	69.253	67.569	68.498	65.999	67.569
8132	65.422	68.095	61.855	76.023	64.028	66.435	66.716	62.472	56.911	64.982	59.199	67.466	58.413	54.248	50.125	59.240	54.248
81321	65.422	68.095	61.855	76.023	64.028	66.435	66.716	62.472	56.911	64.982	59.199	67.466	58.413	54.248	50.125	59.240	54.248
813211	59.707	75.292	65.235	82.987	66.969	75.499	75.439	63.222	56.947	71.463	64.338	72.981	61.716	58.475	54.329	64.499	58.475
813212	9.020	4.577	4.793	6.548	5.687	4.590	5.543	4.988	4.055	4.066	3.677	4.808	3.871	3.573	3.092	4.179	3.573
813219	7.974	7.496	7.658	9.723	8.816	7.516	8.856	7.407	7.479	6.485	6.127	6.695	6.564	5.646	5.255	5.758	5.646
8133	6.974	8.386	7.223	7.035	7.143	7.978	7.181	6.819	6.875	6.704	6.050	5.691	5.834	6.164	6.279	6.131	6.164
81331	6.974	8.386	7.223	7.035	7.143	7.978	7.181	6.819	6.875	6.704	6.050	5.691	5.834	6.164	6.279	6.131	6.164
813319	4.594	5.733	4.922	4.814	4.893	5.509	4.806	4.512	4.588	4.644	4.039	3.749	3.907	4.206	4.325	4.183	4.206
8134	6.693	7.852	8.100	6.547	6.791	7.109	8.038	6.571	6.856	6.904	7.736	6.684	7.001	7.198	7.759	6.915	7.198
81341	6.693	7.852	8.100	6.547	6.791	7.109	8.038	6.571	6.856	6.904	7.736	6.684	7.001	7.198	7.759	6.915	7.198
813410	6.629	7.777	8.022	6.485	6.726	7.041	7.961	6.508	6.791	6.838	7.663	6.620	6.934	7.129	7.685	6.849	7.129
8139	24.585	25.396	24.476	23.031	23.337	23.712	23.115	21.625	22.614	21.952	23.502	21.695	23.014	21.822	22.492	20.386	21.822

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
81391	14.392	12.518	12.590	12.524	12.992	12.730	12.122	11.980	12.284	11.472	12.149	12.251	12.892	12.182	12.263	11.554	12.182
813910	14.392	12.518	12.590	12.524	12.992	12.730	12.122	11.980	12.284	11.472	12.149	12.251	12.892	12.182	12.263	11.554	12.182
81392	6.743	7.542	8.011	7.545	8.810	7.670	7.713	6.546	7.555	6.345	6.582	6.284	7.444	7.000	7.442	5.898	7.000
813920	6.743	7.542	8.011	7.545	8.810	7.670	7.713	6.546	7.555	6.345	6.582	6.284	7.444	7.000	7.442	5.898	7.000

Method 5. We first compute the revenues-to-payroll ratio from 2002 Economic Census' for Tulsa MSA, Tulsa County, and the state of Oklahoma. We then compute the panel median of these revenues-to-payroll ratios. Using the only overlapping year, 2012, we incorporate quarterly seasonal patterns of payrolls (from Quarterly Census of Employment and Wages) to adjust the 2002 revenues-to-payroll ratios. This generates four quarterly seasonally adjusted revenues-to-payroll ratios. We then use these new seasonally corrected revenues-to-payroll ratios by the quarterly payrolls. This method generates only one estimate. The following table reports this estimate.

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
51	49.121	50.057	45.242	47.243	47.100	53.791	46.762	51.227	52.534	52.508	47.357	57.052	46.892	51.926	47.596	48.899	54.858
511	45.000	42.647	41.358	42.333	44.573	40.222	42.694	43.141	48.800	45.179	47.722	46.651	90.211	47.733	48.282	49.205	51.960
5111	35.134	33.286	32.464	33.996	35.273	31.625	34.512	35.210	37.988	35.715	38.797	38.417	82.081	38.863	40.270	41.005	43.016
51111	13.062	11.713	11.490	12.558	12.721	11.151	12.071	10.504	12.302	13.369	14.183	12.285	56.963	16.241	17.124	15.036	17.458
511110	13.062	11.713	11.490	12.558	12.721	11.151	12.071	10.504	12.302	13.369	14.183	12.285	56.963	16.241	17.124	15.036	17.458
51112	21.198	18.045	17.804	20.348	20.136	17.266	18.541	20.406	21.275	19.376	20.087	21.325	20.985	18.028	18.831	21.260	20.866
511120	21.198	18.045	17.804	20.348	20.136	17.266	18.541	20.406	21.275	19.376	20.087	21.325	20.985	18.028	18.831	21.260	20.866
51114	5.867	4.994	4.928	5.632	5.573	4.779	5.131	5.648	5.888	5.363	6.040	6.412	6.310	5.421	5.662	6.392	6.274
511140	5.867	4.994	4.928	5.632	5.573	4.779	5.131	5.648	5.888	5.363	6.040	6.412	6.310	5.421	5.662	6.392	6.274
5112	12.753	12.098	11.501	10.808	12.036	11.119	10.615	10.301	13.971	12.247	11.587	10.709	10.894	11.518	10.441	10.685	11.642
51121	12.753	12.098	11.501	10.808	12.036	11.119	10.615	10.301	13.971	12.247	11.587	10.709	10.894	11.518	10.441	10.685	11.642
511210	12.753	12.098	11.501	10.808	12.036	11.119	10.615	10.301	13.971	12.247	11.587	10.709	10.894	11.518	10.441	10.685	11.642
51213	15.358	13.477	13.826	14.221	14.578	10.420	8.770	9.040	8.962	8.598	9.358	9.259	8.659	8.406	9.358	9.380	8.031
515	33.147	33.425	29.845	32.642	32.141	33.722	27.934	33.549	32.875	33.450	29.720	32.391	29.695	34.642	29.744	31.333	33.742
515111	0.386	0.382	0.362	0.406	0.380	0.408	0.385	0.400	0.395	0.452	0.392	0.432	0.396	0.432	0.386	0.412	0.435
51512	20.485	19.876	17.549	18.686	18.893	18.676	14.893	18.156	18.439	18.752	15.904	17.663	16.203	16.587	14.608	15.573	16.457
515120	20.485	19.876	17.549	18.686	18.893	18.676	14.893	18.156	18.439	18.752	15.904	17.663	16.203	16.587	14.608	15.573	16.457
517	3.625	3.061	3.125	2.950	3.969	2.980	3.317	3.042	4.186	3.039	3.283	2.900	3.958	3.230	3.369	3.078	4.152
517110	5.109	4.588	4.730	4.067	5.819	3.996	4.693	4.219	6.220	4.175	4.665	4.137	6.008	4.283	4.547	4.055	5.824
517911	1.100	0.192	0.127	0.827	0.834	1.088	0.984	1.083	1.200	1.033	0.822	0.705	0.718	0.622	0.633	0.618	0.709
518	12.348	13.571	12.271	11.651	10.990	17.088	15.511	14.636	15.473	16.019	14.354	21.761	13.239	14.055	14.483	14.488	16.964
5182	12.748	14.010	12.668	12.028	11.346	17.641	16.013	15.110	15.973	16.538	14.819	22.465	13.667	14.509	14.952	14.957	17.513
51821	12.748	14.010	12.668	12.028	11.346	17.641	16.013	15.110	15.973	16.538	14.819	22.465	13.667	14.509	14.952	14.957	17.513
518210	12.748	14.010	12.668	12.028	11.346	17.641	16.013	15.110	15.973	16.538	14.819	22.465	13.667	14.509	14.952	14.957	17.513
51913	4.887	5.174	4.267	3.844	3.661	9.084	3.646	5.520	4.401	13.652	5.461	5.595	5.044	2.766	2.449	2.251	1.677
519130	4.887	5.174	4.267	3.844	3.661	9.084	3.646	5.520	4.401	13.652	5.461	5.595	5.044	2.766	2.449	2.251	1.677
52	119.421	108.147	99.732	104.325	117.917	107.144	93.901	107.525	130.951	106.087	93.030	99.587	111.432	100.894	89.219	92.043	103.584
522130	24.778	25.736	21.772	24.127	22.082	24.310	20.251	22.470	20.790	23.666	19.664	22.347	19.720	22.134	18.523	20.231	17.771
5222	81.852	84.058	80.801	75.852	80.497	72.162	64.682	63.424	79.426	76.245	67.577	69.232	71.834	69.407	61.717	61.531	63.407
52229	182.956	200.904	182.898	168.749	181.709	152.363	140.137	131.394	183.118	163.067	144.403	147.863	159.232	148.708	134.407	130.932	131.971
522291	9.186	9.653	9.103	9.389	10.238	9.821	9.392	9.971	10.070	9.930	8.017	8.862	8.643	8.906	7.264	8.131	7.681
522292	61.138	67.224	61.375	54.987	58.674	45.823	41.823	36.809	59.888	50.143	45.861	46.036	51.402	44.781	42.580	39.826	40.863
5223	10.743	13.715	10.312	10.854	15.636	15.310	9.951	10.033	10.260	11.771	8.470	9.412	8.920	12.767	7.769	8.769	7.525
52239	3.052	4.068	2.918	3.172	5.203	4.916	2.984	3.187	3.194	4.545	3.084	3.533	3.176	4.985	2.752	3.310	2.698
522390	3.052	4.068	2.918	3.172	5.203	4.916	2.984	3.187	3.194	4.545	3.084	3.533	3.176	4.985	2.752	3.310	2.698
523	133.754	125.983	106.871	119.839	140.869	98.019	88.742	89.531	168.908	83.922	76.018	80.036	133.623	107.550	98.157	96.037	123.622
5231	102.209	79.369	67.329	75.498	103.392	71.942	65.133	65.712	123.972	61.596	55.794	58.743	108.915	78.663	71.792	70.242	96.183
52311	3.262	1.622	1.376	1.543	3.286	2.286	2.070	2.088	3.939	1.957	1.773	1.867	4.271	1.809	1.651	1.615	3.349
523110	3.262	1.622	1.376	1.543	3.286	2.286	2.070	2.088	3.939	1.957	1.773	1.867	4.271	1.809	1.651	1.615	3.349
52312	98.487	82.395	79.310	79.251	99.914	89.763	81.412	80.136	95.370	86.722	79.050	83.520	92.935	74.227	70.179	73.661	87.380
523120	98.487	82.395	79.310	79.251	99.914	89.763	81.412	80.136	95.370	86.722	79.050	83.520	92.935	74.227	70.179	73.661	87.380
5239	40.469	50.614	44.338	39.935	45.767	48.167	35.811	35.084	43.384	41.833	31.413	30.806	35.398	42.238	32.076	29.532	36.135

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
52391	1.991	3.633	3.785	3.368	3.787	4.506	3.836	3.513	5.530	4.271	3.727	3.356	4.840	4.692	4.883	3.866	5.307
523910	1.991	3.633	3.785	3.368	3.787	4.506	3.836	3.513	5.530	4.271	3.727	3.356	4.840	4.692	4.883	3.866	5.307
52392	7.687	6.472	6.744	6.000	7.941	6.477	5.690	5.498	7.256	5.480	4.479	4.541	5.368	6.178	3.964	4.097	5.326
523920	7.687	6.472	6.744	6.000	7.941	6.477	5.690	5.498	7.256	5.480	4.479	4.541	5.368	6.178	3.964	4.097	5.326
52393	11.585	16.968	12.274	12.332	12.103	13.683	8.277	8.911	8.364	10.988	7.327	7.407	6.677	8.443	6.901	6.271	6.571
523930	11.585	16.968	12.274	12.332	12.103	13.683	8.277	8.911	8.364	10.988	7.327	7.407	6.677	8.443	6.901	6.271	6.571
52399	3.280	4.488	3.246	3.262	3.420	5.696	3.228	3.067	3.057	5.374	3.185	3.152	3.166	5.696	3.112	3.117	3.115
523991	2.243	3.069	2.220	2.230	2.339	3.895	2.208	2.098	2.091	3.675	2.115	2.110	2.070	3.927	2.116	2.107	2.067
523999	0.570	0.780	0.564	0.567	0.595	0.990	0.561	0.533	0.532	0.934	0.792	0.718	0.910	0.869	0.589	0.633	0.783
524	82.162	77.499	69.859	80.144	85.843	76.167	66.844	76.196	81.390	71.642	62.655	72.758	75.250	70.268	61.668	68.347	70.886
5242	88.274	88.973	79.738	88.152	84.725	81.809	69.968	74.563	72.955	76.223	65.978	70.997	69.006	74.672	63.998	66.139	64.524
52421	76.426	78.171	69.121	78.201	75.190	71.602	60.833	65.665	64.291	66.510	56.846	61.592	59.201	63.573	53.997	55.616	53.906
524210	76.426	78.171	69.121	78.201	75.190	71.602	60.833	65.665	64.291	66.510	56.846	61.592	59.201	63.573	53.997	55.616	53.906
52429	11.690	10.655	10.476	9.815	9.404	10.069	9.012	8.777	8.546	9.583	9.011	9.280	9.675	10.954	9.871	10.386	10.481
524291	5.032	4.775	4.965	4.884	4.534	4.813	4.347	4.475	4.391	4.832	5.321	5.306	6.028	6.861	6.313	6.882	6.861
524292	4.018	3.676	3.523	3.323	3.165	3.519	2.992	2.901	2.712	3.281	2.927	3.065	3.098	3.374	2.980	3.051	3.009
524298	0.253	0.203	0.216	0.166	0.185	0.135	0.198	0.173	0.223	0.136	0.125	0.121	0.123	0.203	0.200	0.228	0.276
53	151.392	176.037	155.866	147.156	147.984	168.856	150.552	133.980	138.965	148.227	124.643	161.267	122.044	431.842	164.650	134.989	144.524
531	145.125	178.036	150.614	142.440	144.141	166.282	144.454	130.226	128.629	167.247	128.507	130.368	126.204	157.931	128.646	125.781	128.240
5311	55.330	63.556	56.496	54.173	56.846	54.082	47.691	45.145	46.442	54.659	46.240	45.563	47.560	53.458	44.590	43.546	44.207
53111	15.357	19.844	15.352	15.941	15.094	19.904	17.558	17.762	16.256	19.093	16.560	16.490	16.056	21.517	15.620	16.967	16.251
531110	16.205	20.938	16.199	16.821	15.927	21.002	18.526	18.742	17.153	20.147	17.474	17.400	16.942	22.704	16.481	17.903	17.148
53112	44.138	46.260	44.904	41.301	46.733	32.043	27.729	23.775	28.777	34.905	27.915	27.241	30.991	28.427	27.438	23.790	26.107
531120	41.099	43.075	41.812	38.457	43.515	29.836	25.819	22.138	26.795	32.501	25.992	25.365	28.857	26.469	25.549	22.152	24.309
53113	3.185	4.040	3.949	3.394	3.424	4.156	3.993	3.875	3.881	4.155	3.994	4.015	3.854	4.322	3.951	3.596	3.642
531130	3.185	4.040	3.949	3.394	3.424	4.156	3.993	3.875	3.881	4.155	3.994	4.015	3.854	4.322	3.951	3.596	3.642
53119	0.461	0.464	0.426	0.403	0.381	0.606	0.558	0.589	0.488	0.448	0.443	0.386	0.424	0.444	0.429	0.460	0.432
531190	0.465	0.469	0.430	0.407	0.385	0.611	0.563	0.595	0.493	0.452	0.447	0.390	0.428	0.448	0.433	0.464	0.436
5312	44.490	61.854	46.229	43.027	47.764	69.504	54.085	44.439	42.008	69.057	42.228	43.264	40.087	64.010	45.996	43.859	45.862
53121	44.490	61.854	46.229	43.027	47.764	69.504	54.085	44.439	42.008	69.057	42.228	43.264	40.087	64.010	45.996	43.859	45.862
531210	42.653	59.301	44.321	41.251	45.792	66.635	51.853	42.604	40.274	66.206	40.485	41.478	38.432	61.368	44.097	42.049	43.969
5313	36.265	42.930	38.043	35.972	33.366	36.789	34.732	32.430	32.094	37.298	32.009	32.896	31.109	34.946	31.006	30.888	31.017
53131	31.352	37.109	33.079	31.075	29.254	32.072	30.548	28.495	28.083	32.352	27.277	28.091	26.700	29.794	26.761	26.334	26.759
531311	21.122	24.461	22.021	20.499	19.500	20.642	19.572	18.771	19.468	20.311	19.369	18.769	18.280	21.927	20.901	20.237	20.100
531312	8.384	10.246	9.004	8.571	7.948	9.154	8.772	7.875	7.182	9.540	6.702	7.605	6.966	6.859	5.439	5.550	5.917
53132	2.752	3.263	2.756	2.815	2.279	2.337	2.239	2.143	1.954	4.102	2.882	2.916	2.671	3.091	2.458	2.508	2.674
531320	2.752	3.263	2.756	2.815	2.279	2.337	2.239	2.143	1.954	4.102	2.882	2.916	2.671	3.091	2.458	2.508	2.674
53139	1.835	2.170	1.659	1.426	0.939	1.307	1.252	1.014	0.925	1.501	1.054	1.036	0.949	1.412	1.167	1.191	1.270
531390	1.835	2.170	1.659	1.426	0.939	1.307	1.252	1.014	0.925	1.501	1.054	1.036	0.949	1.412	1.167	1.191	1.270
532	32.886	35.176	33.539	31.550	31.448	35.275	32.787	28.600	31.855	23.691	24.092	43.440	23.468	180.892	45.686	30.477	34.839
5321	5.276	6.405	6.273	5.766	5.739	6.735	6.258	5.051	5.956	3.982	4.265	9.797	4.022	48.827	10.062	5.419	6.900
53211	3.107	3.797	3.730	3.407	3.411	3.946	3.676	2.912	3.515	2.247	2.442	5.901	2.319	30.428	6.124	3.197	4.156
53212	7.081	7.712	7.151	7.329	6.601	9.732	8.735	8.930	7.723	8.733	8.134	8.569	7.119	7.376	6.591	7.081	6.039
532120	6.868	7.480	6.936	7.108	6.402	9.439	8.472	8.661	7.490	8.470	7.889	8.311	6.905	7.154	6.392	6.868	5.857
5322	11.486	12.983	11.973	11.709	11.489	11.679	11.089	11.217	12.371	9.682	9.368	9.264	10.432	10.381	10.441	10.509	13.238
53221	3.448	3.448	3.192	3.095	3.171	2.957	3.029	2.956	3.205	3.300	3.324	3.184	3.207	3.351	3.272	3.085	3.385
532210	3.448	3.448	3.192	3.095	3.171	2.957	3.029	2.956	3.205	3.300	3.324	3.184	3.207	3.351	3.272	3.085	3.385
53229	5.431	6.520	6.023	5.949	5.636	6.063	5.432	5.533	6.351	3.858	3.573	3.580	4.319	4.229	4.134	4.136	5.943
5323	2.016	2.176	2.005	2.132	2.001	2.283	2.035	2.217	1.905	2.102	2.034	2.122	2.017	2.154	2.066	2.308	2.185
53231	2.016	2.176	2.005	2.132	2.001	2.283	2.035	2.217	1.905	2.102	2.034	2.122	2.017	2.154	2.066	2.308	2.185
532310	2.016	2.176	2.005	2.132	2.001	2.283	2.035	2.217	1.905	2.102	2.034	2.122	2.017	2.154	2.066	2.308	2.185
5324	68.186	51.929	46.620	45.116	46.155	47.086	43.592	42.666	41.855	38.361	35.190	35.535	34.261	42.696	42.449	48.316	36.335
533	6.785	6.076	5.314	5.624	5.148	5.727	4.324	4.024	4.197	5.622	3.932	4.152	3.726	20.502	7.656	7.514	7.630
5331	6.785	6.076	5.314	5.624	5.148	5.727	4.324	4.024	4.197	5.622	3.932	4.152	3.726	20.502	7.656	7.514	7.630
53311	6.785	6.076	5.314	5.624	5.148	5.727	4.324	4.024	4.197	5.622	3.932	4.152	3.726	20.502	7.656	7.514	7.630
533110	6.471	5.795	5.069	5.364	4.910	5.462	4.124	3.838	4.003	5.362	3.750	3.960	3.554	19.554	7.302	7.166	7.277

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
54	577.908	694.184	564.224	557.072	583.806	667.278	532.159	528.959	564.691	674.724	528.036	514.023	515.852	727.837	471.184	461.373	446.015
541	577.908	694.184	564.224	557.072	583.806	667.278	532.159	528.959	564.691	674.724	528.036	514.023	515.852	727.837	471.184	461.373	446.015
5411	317.704	527.272	336.912	326.698	329.361	531.523	318.701	312.743	309.229	534.174	313.919	319.263	307.997	499.077	315.064	300.315	277.556
54111	287.944	487.895	304.721	293.937	298.765	491.032	284.809	280.688	277.726	494.722	279.979	286.612	276.883	462.632	284.036	270.544	249.276
541110	310.166	525.549	328.238	316.621	321.823	528.927	306.790	302.350	299.160	532.902	301.587	308.731	298.251	498.335	305.957	291.423	268.513
54119	12.126	14.948	13.186	13.586	12.439	15.481	14.252	13.364	13.115	14.916	14.326	13.605	12.927	13.722	12.809	12.311	11.773
541191	12.114	14.467	12.905	13.295	12.073	14.590	13.520	12.751	12.449	14.115	13.647	12.904	12.285	13.356	12.474	11.986	11.433
541199	0.124	0.421	0.289	0.299	0.331	0.662	0.559	0.482	0.510	0.605	0.529	0.535	0.494	0.343	0.317	0.306	0.310
5412	60.796	58.772	56.929	56.821	66.670	61.392	57.300	59.151	72.250	57.062	50.051	52.297	63.362	45.201	41.181	43.787	45.726
54121	60.796	58.772	56.929	56.821	66.670	61.392	57.300	59.151	72.250	57.062	50.051	52.297	63.362	45.201	41.181	43.787	45.726
541211	43.243	45.583	41.645	41.848	39.237	45.947	39.013	38.638	37.910	36.883	33.323	33.351	31.795	34.374	30.158	32.287	30.554
541213	7.176	4.078	3.017	6.236	6.978	3.175	2.512	5.648	5.932	3.041	2.546	5.475	5.708	3.268	2.520	5.952	6.346
541214	3.500	4.625	4.017	3.997	4.122	7.862	7.607	6.880	8.801	6.397	6.286	5.490	6.598	5.227	4.733	4.562	5.052
541219	5.754	5.127	5.368	5.088	6.914	4.658	4.596	4.921	6.671	5.037	4.152	4.552	6.257	3.484	3.307	3.384	3.677
5413	160.225	176.498	140.737	140.610	139.823	164.178	133.218	130.373	132.771	149.277	127.888	128.977	119.602	249.668	114.942	114.652	107.434
54131	15.612	17.717	15.930	15.042	14.926	17.585	16.617	15.737	15.794	17.705	16.010	15.596	14.868	17.071	14.643	14.476	13.963
541310	15.612	17.717	15.930	15.042	14.926	17.585	16.617	15.737	15.794	17.705	16.010	15.596	14.868	17.071	14.643	14.476	13.963
54133	144.467	154.085	117.477	118.119	120.344	139.908	112.134	109.869	112.278	122.294	103.301	105.871	98.424	234.694	90.814	89.930	84.842
541330	144.467	154.085	117.477	118.119	120.344	139.908	112.134	109.869	112.278	122.294	103.301	105.871	98.424	234.694	90.814	89.930	84.842
54134	0.540	0.576	0.532	0.464	0.556	0.594	0.445	0.440	0.486	0.393	0.435	0.399	0.459	0.484	0.540	0.775	0.817
541340	0.540	0.576	0.532	0.464	0.556	0.594	0.445	0.440	0.486	0.393	0.435	0.399	0.459	0.484	0.540	0.775	0.817
54136	1.360	1.787	1.668	1.580	1.554	2.277	1.700	1.521	1.516	2.236	1.869	1.720	2.288	4.124	2.628	2.632	2.690
541360	1.360	1.787	1.668	1.580	1.554	2.277	1.700	1.521	1.516	2.236	1.869	1.720	2.288	4.124	2.628	2.632	2.690
54137	5.152	7.737	8.228	8.645	7.823	7.525	5.463	6.161	7.536	9.733	9.133	8.737	6.732	6.682	6.602	6.626	5.907
541370	5.152	7.737	8.228	8.645	7.823	7.525	5.463	6.161	7.536	9.733	9.133	8.737	6.732	6.682	6.602	6.626	5.907
54138	23.484	27.557	23.085	23.481	20.325	27.736	22.073	21.033	19.348	24.025	19.596	20.055	19.116	26.034	18.528	18.801	16.879
541380	23.484	27.557	23.085	23.481	20.325	27.736	22.073	21.033	19.348	24.025	19.596	20.055	19.116	26.034	18.528	18.801	16.879
5414	6.092	7.098	7.080	6.985	7.098	7.800	6.965	6.678	6.500	8.396	6.237	5.935	5.255	10.126	5.139	4.931	5.522
54143	2.299	2.679	2.672	2.636	2.906	3.194	2.818	2.789	2.730	3.547	2.433	2.211	2.143	5.238	2.195	2.198	2.479
541430	2.299	2.679	2.672	2.636	2.906	3.194	2.818	2.789	2.730	3.547	2.433	2.211	2.143	5.238	2.195	2.198	2.479
5415	102.835	116.185	104.769	100.858	105.349	84.776	82.264	78.919	82.946	98.751	83.648	68.007	77.279	86.350	80.684	77.647	77.210
54151	102.835	116.185	104.769	100.858	105.349	84.776	82.264	78.919	82.946	98.751	83.648	68.007	77.279	86.350	80.684	77.647	77.210
541511	44.372	47.357	40.998	39.468	41.380	39.807	35.976	34.915	35.651	34.320	32.286	30.674	29.683	30.182	25.282	24.715	24.782
541512	28.214	30.973	28.494	27.430	29.648	26.623	27.253	26.448	28.819	40.764	31.550	23.325	30.080	26.859	25.770	24.499	25.341
541513	20.062	22.023	20.260	19.504	21.081	18.930	19.378	18.806	20.491	28.985	22.434	16.585	22.851	25.394	32.856	30.051	31.249
541519	9.822	10.783	9.920	3.562	3.850	3.457	3.539	3.434	3.742	5.293	4.097	3.029	2.882	7.498	7.277	7.083	6.461
5416	78.646	92.514	79.435	80.349	87.750	93.716	76.811	75.494	83.365	91.719	72.921	71.385	65.033	90.105	66.074	61.431	59.571
54161	51.757	56.829	48.666	49.949	56.179	58.310	48.007	47.344	54.441	58.545	46.991	46.119	40.153	60.185	41.818	39.684	37.999
541611	31.203	31.753	26.830	28.379	34.893	34.604	27.279	27.403	32.939	29.778	27.284	27.256	22.754	36.737	23.258	22.566	21.429
541612	5.148	8.504	7.296	7.061	5.884	7.673	6.456	6.205	6.756	11.759	5.848	4.903	4.552	7.134	6.046	5.302	4.880
541613	11.454	12.187	11.088	10.459	10.709	10.033	9.556	10.141	10.829	11.753	8.838	9.773	9.403	8.900	6.158	5.897	6.696
541614	7.568	8.080	7.442	7.420	7.341	7.680	7.471	6.836	6.367	7.872	7.789	8.098	7.566	8.203	7.871	7.572	7.298
541618	2.737	2.354	1.897	1.920	2.203	2.576	2.407	1.910	2.030	2.567	2.130	1.962	2.006	2.859	2.149	1.908	1.955
54162	18.995	30.579	22.358	21.675	20.545	26.350	20.353	21.714	20.364	25.544	19.665	18.997	19.978	20.312	16.969	18.271	19.491
541620	18.995	30.579	22.358	21.675	20.545	26.350	20.353	21.714	20.364	25.544	19.665	18.997	19.978	20.312	16.969	18.271	19.491
54169	23.026	31.385	31.963	30.948	31.855	34.662	29.128	26.071	25.590	29.127	22.379	21.800	23.138	25.028	23.894	16.519	15.602
541690	23.189	31.607	32.190	31.166	32.080	34.908	29.334	26.255	25.772	29.333	22.537	21.954	23.302	25.205	24.063	16.635	15.712
5417	15.097	18.097	12.562	13.946	13.916	13.614	11.053	25.784	12.450	15.311	10.608	10.259	10.268	19.163	16.125	10.447	12.741
541712	15.817	15.865	11.632	14.552	14.345	13.717	11.558	31.544	13.927	17.715	10.931	10.793	10.840	23.559	19.686	12.485	15.738
5418	17.756	16.779	15.831	15.585	16.821	18.543	16.108	15.371	17.157	18.254	16.305	15.803	18.019	20.648	17.795	17.706	18.374
54181	5.670	5.668	4.922	4.997	5.448	6.457	5.498	5.368	6.236	6.748	5.753	5.788	6.934	7.963	6.653	6.723	7.355
541810	5.670	5.668	4.922	4.997	5.448	6.457	5.498	5.368	6.236	6.748	5.753	5.788	6.934	7.963	6.653	6.723	7.355
54182	2.200	2.196	2.029	1.956	1.984	2.226	2.027	2.008	2.025	2.431	2.336	2.025	2.115	2.940	2.290	2.239	2.028
541820	2.200	2.196	2.029	1.956	1.984	2.226	2.027	2.008	2.025	2.431	2.336	2.025	2.115	2.940	2.290	2.239	2.028
54183	1.341	0.898	0.818	0.787	1.036	0.875	0.799	0.720	0.889	0.833	0.738	0.722	0.827	0.816	0.676	0.664	0.683
541830	1.341	0.898	0.818	0.787	1.036	0.875	0.799	0.720	0.889	0.833	0.738	0.722	0.827	0.816	0.676	0.664	0.683

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
541840	1.032	0.691	0.629	0.605	0.797	0.673	0.614	0.554	0.684	0.641	0.568	0.555	0.480	0.473	0.581	0.571	0.587
54185	6.306	7.169	10.610	8.782	6.719	8.245	6.602	5.113	5.213	5.033	4.976	3.269	4.773	5.231	5.913	4.485	5.133
541850	6.306	7.169	10.610	8.782	6.719	8.245	6.602	5.113	5.213	5.033	4.976	3.269	4.773	5.231	5.913	4.485	5.133
54186	0.982	0.902	1.165	1.216	1.127	1.059	0.826	0.988	0.877	0.847	0.837	1.400	1.325	1.289	1.407	1.396	1.390
541860	0.982	0.902	1.165	1.216	1.127	1.059	0.826	0.988	0.877	0.847	0.837	1.400	1.325	1.289	1.407	1.396	1.390
5419	80.712	110.290	102.821	97.872	94.063	107.421	99.111	96.264	105.699	171.464	153.134	128.213	112.368	117.444	94.298	89.893	81.789
54192	2.592	3.227	2.736	2.659	2.861	3.310	2.665	2.682	2.736	3.320	2.818	2.947	3.408	4.588	3.534	3.041	3.154
541921	2.185	2.626	2.351	2.175	2.331	2.534	2.082	2.064	2.212	2.663	2.295	2.455	2.913	3.879	2.954	2.422	2.691
541922	0.500	0.745	0.470	0.600	0.657	0.971	0.727	0.773	0.650	0.817	0.649	0.606	0.605	0.870	0.715	0.770	0.566
54194	25.478	27.008	26.411	25.293	22.650	25.050	24.151	23.098	21.375	23.605	23.903	21.834	20.437	22.186	21.467	21.006	19.632
541940	25.478	27.008	26.411	25.293	22.650	25.050	24.151	23.098	21.375	23.605	23.903	21.834	20.437	22.186	21.467	21.006	19.632
54199	32.545	51.361	48.531	45.880	46.968	50.886	47.797	46.719	58.336	105.617	92.598	73.101	64.078	57.387	47.538	42.458	39.682
541990	32.545	51.361	48.531	45.880	46.968	50.886	47.797	46.719	58.336	105.617	92.598	73.101	64.078	57.387	47.538	42.458	39.682
55	80.567	72.601	79.757	94.595	118.942	76.026	72.776	84.947	92.020	77.920	72.449	76.510	101.922	123.613	74.665	71.061	94.707
551	80.567	72.601	79.757	94.595	118.942	76.026	72.776	84.947	92.020	77.920	72.449	76.510	101.922	123.613	74.665	71.061	94.707
5511	80.567	72.601	79.757	94.595	118.942	76.026	72.776	84.947	92.020	77.920	72.449	76.510	101.922	123.613	74.665	71.061	94.707
55111	80.567	72.601	79.757	94.595	118.942	76.026	72.776	84.947	92.020	77.920	72.449	76.510	101.922	123.613	74.665	71.061	94.707
551114	21.034	18.537	20.733	25.163	32.070	20.746	19.911	23.266	25.264	21.436	19.958	21.079	28.384	34.456	20.620	19.453	26.298
56	329.255	366.333	343.285	334.419	336.560	361.940	326.469	323.435	302.513	331.305	308.328	305.586	299.543	316.770	297.468	294.993	289.274
561	296.213	328.512	309.499	300.446	303.483	326.637	295.155	291.910	273.058	298.353	278.258	275.277	270.765	284.519	268.808	266.380	261.392
5611	37.587	42.372	40.820	36.534	41.677	35.026	28.519	27.955	34.034	40.617	27.956	30.383	33.702	39.086	29.058	30.313	31.775
56111	37.587	42.372	40.820	36.534	41.677	35.026	28.519	27.955	34.034	40.617	27.956	30.383	33.702	39.086	29.058	30.313	31.775
561110	37.587	42.372	40.820	36.534	41.677	35.026	28.519	27.955	34.034	40.617	27.956	30.383	33.702	39.086	29.058	30.313	31.775
5612	9.797	5.743	2.908	2.808	2.431	3.644	2.292	1.964	2.272	2.272	2.165	1.893	2.186	1.983	2.107	1.975	2.302
56121	9.797	5.743	2.908	2.808	2.431	3.644	2.292	1.964	2.272	2.272	2.165	1.893	2.186	1.983	2.107	1.975	2.302
561210	9.797	5.743	2.908	2.808	2.431	3.644	2.292	1.964	2.272	2.272	2.165	1.893	2.186	1.983	2.107	1.975	2.302
5613	93.519	107.085	101.408	101.372	96.112	118.026	108.967	107.330	94.310	103.143	96.264	95.847	94.083	96.407	91.135	89.108	84.369
56131	9.381	8.092	6.843	9.279	6.423	8.185	8.726	10.585	8.971	11.475	7.883	8.992	8.553	9.563	7.273	8.567	7.818
56132	65.612	80.887	76.382	74.410	71.443	94.822	90.320	86.879	74.179	78.381	75.172	71.665	67.435	73.276	74.064	69.861	66.663
561320	65.612	80.887	76.382	74.410	71.443	94.822	90.320	86.879	74.179	78.381	75.172	71.665	67.435	73.276	74.064	69.861	66.663
56133	8.781	9.557	9.185	9.156	8.850	9.809	8.511	8.433	7.763	8.677	8.161	8.441	8.739	8.254	7.333	7.356	6.927
561330	8.781	9.557	9.185	9.156	8.850	9.809	8.511	8.433	7.763	8.677	8.161	8.441	8.739	8.254	7.333	7.356	6.927
5614	35.226	39.073	37.049	36.084	38.974	36.829	35.469	34.488	37.444	37.624	36.632	35.220	37.858	37.171	37.238	35.527	38.743
56142	19.381	21.759	20.540	19.801	21.584	19.941	19.082	18.370	20.280	20.431	19.928	18.793	20.349	19.804	20.043	18.669	20.654
561421	1.762	0.890	0.893	0.887	0.912	0.706	0.800	0.705	0.745	0.640	0.683	0.569	0.649	0.615	0.675	0.545	0.597
561422	18.625	21.033	19.849	19.132	20.861	19.288	18.443	17.763	19.613	19.771	19.278	18.189	19.690	19.165	19.391	18.070	19.992
56143	4.600	4.891	4.200	4.578	4.319	4.430	4.170	4.337	3.837	4.208	3.913	4.167	3.872	4.202	4.009	4.114	3.936
561431	3.289	2.723	2.702	3.032	2.983	2.598	2.598	2.816	2.633	2.861	2.821	2.579	2.564	2.587	2.366	2.381	2.514
561439	2.497	2.793	2.334	2.528	2.363	2.506	2.332	2.405	2.102	2.311	2.120	2.333	2.138	2.355	2.266	2.333	2.190
56144	7.875	8.569	8.857	9.084	9.087	9.758	10.079	10.245	10.319	10.153	9.917	10.646	11.296	11.444	11.127	11.931	12.572
561440	7.875	8.569	8.857	9.084	9.087	9.758	10.079	10.245	10.319	10.153	9.917	10.646	11.296	11.444	11.127	11.931	12.572
56149	3.749	4.215	4.039	3.929	4.080	5.904	5.093	5.049	5.037	5.473	5.092	4.718	4.814	5.265	4.242	4.582	4.085
561491	0.954	1.073	1.028	0.855	0.699	1.302	1.123	1.113	1.110	1.207	1.123	1.040	1.264	1.382	1.363	1.311	1.163
561492	0.746	0.839	0.804	0.856	0.717	0.889	0.767	0.760	0.758	0.824	0.767	0.711	0.740	0.810	0.651	0.599	0.609
561499	0.489	0.548	0.496	0.478	0.553	0.840	0.710	0.737	0.717	0.791	0.712	0.647	0.639	0.710	0.542	0.624	0.539
5615	13.965	12.811	11.494	11.570	12.300	10.800	10.449	10.598	11.333	12.661	9.991	10.027	10.519	12.540	11.841	11.692	14.104
5616	47.593	54.295	47.135	48.070	51.883	56.013	49.208	53.691	46.030	51.969	47.544	48.835	43.756	45.960	42.401	44.250	42.121
56161	29.968	33.090	28.870	30.201	35.819	40.960	34.456	38.974	32.840	37.541	33.608	34.156	31.190	34.731	30.456	32.992	30.102
561612	34.949	38.996	33.955	34.801	32.118	35.361	31.774	36.608	29.676	31.664	32.286	31.513	28.841	28.465	26.809	26.519	24.571
56162	16.042	19.057	16.445	16.250	15.322	14.967	14.199	14.544	12.863	14.204	13.501	14.119	12.247	11.508	11.709	11.388	11.735
561621	14.753	17.555	15.145	14.980	14.098	13.763	13.079	13.486	11.874	13.115	12.489	13.108	11.284	10.570	10.768	10.477	10.879
561622	1.306	1.508	1.307	1.269	1.237	1.219	1.125	1.020	0.981	1.078	0.991	0.967	0.965	0.956	0.953	0.920	0.827
5617	41.123	51.873	50.767	49.153	39.954	49.392	49.309	47.857	38.400	45.079	46.084	44.278	36.052	45.023	42.661	43.993	35.336
56171	6.224	6.610	6.788	6.506	5.853	6.206	6.588	6.527	5.614	6.249	6.850	6.711	5.776	7.341	6.175	6.360	5.263
561710	6.224	6.610	6.788	6.506	5.853	6.206	6.588	6.527	5.614	6.249	6.850	6.711	5.776	7.341	6.175	6.360	5.263
56172	10.585	11.571	10.416	10.722	10.133	11.820	10.878	10.653	9.911	10.281	10.169	9.794	8.816	9.732	9.107	9.164	8.547

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
561720	10.585	11.571	10.416	10.722	10.133	11.820	10.878	10.653	9.911	10.281	10.169	9.794	8.816	9.732	9.107	9.164	8.547
56173	22.755	32.187	33.564	31.303	20.949	29.121	32.316	30.595	20.498	26.318	28.233	26.955	18.586	26.084	26.837	28.031	18.877
561730	22.755	32.187	33.564	31.303	20.949	29.121	32.316	30.595	20.498	26.318	28.233	26.955	18.586	26.084	26.837	28.031	18.877
56174	1.056	1.236	1.255	1.210	0.957	1.106	1.077	1.064	0.960	1.161	1.118	1.057	0.907	1.427	1.364	1.488	1.299
561740	1.056	1.236	1.255	1.210	0.957	1.106	1.077	1.064	0.960	1.161	1.118	1.057	0.907	1.427	1.364	1.488	1.299
56179	1.333	2.600	2.256	2.168	2.076	2.524	1.777	1.865	1.668	2.373	1.964	1.876	1.958	2.036	1.604	1.637	1.603
561790	1.333	2.600	2.256	2.168	2.076	2.524	1.777	1.865	1.668	2.373	1.964	1.876	1.958	2.036	1.604	1.637	1.603
5619	39.618	36.710	35.174	29.129	35.857	30.152	16.529	16.148	14.137	18.354	16.360	16.531	14.767	17.318	14.899	16.692	15.144
561990	4.150	3.833	3.665	3.028	3.740	3.135	1.701	1.662	1.453	1.890	1.683	1.705	1.523	1.793	1.540	1.730	1.568
562	37.120	44.134	36.922	38.807	36.073	38.076	32.927	33.967	31.685	36.560	32.426	33.493	30.336	36.948	30.344	30.605	29.540
5621	18.478	21.181	18.881	20.129	18.216	20.871	19.027	19.814	18.201	19.869	18.819	18.879	16.719	20.563	16.258	15.071	14.028
56211	18.478	21.181	18.881	20.129	18.216	20.871	19.027	19.814	18.201	19.869	18.819	18.879	16.719	20.563	16.258	15.071	14.028
562111	19.034	21.818	19.449	20.735	18.482	21.298	19.416	20.201	18.806	20.529	19.180	19.231	16.908	21.430	16.769	15.584	14.201
5622	6.476	7.288	6.591	6.999	8.351	6.175	5.672	5.924	6.234	5.781	5.700	5.712	5.585	6.834	6.405	6.451	7.064
56221	6.476	7.288	6.591	6.999	8.351	6.175	5.672	5.924	6.234	5.781	5.700	5.712	5.585	6.834	6.405	6.451	7.064
5629	9.765	12.516	9.236	9.447	7.523	9.092	6.894	6.920	6.036	8.978	6.633	7.393	6.603	7.876	6.217	7.200	6.582
56291	6.327	8.744	5.696	5.878	4.502	5.343	3.809	3.546	2.984	5.446	3.573	4.092	3.704	4.689	3.249	3.694	3.384
562910	6.327	8.744	5.696	5.878	4.502	5.343	3.809	3.546	2.984	5.446	3.573	4.092	3.704	4.689	3.249	3.694	3.384
56A	304.301	337.864	317.813	307.290	309.993	334.894	301.769	297.698	278.078	305.656	283.809	280.995	277.239	289.373	274.805	273.471	268.182
61	15.858	16.978	15.950	16.191	15.586	16.101	15.045	15.374	14.652	15.161	14.080	14.482	13.959	15.111	14.091	14.267	13.638
611	15.858	16.978	15.950	16.191	15.586	16.101	15.045	15.374	14.652	15.161	14.080	14.482	13.959	15.111	14.091	14.267	13.638
6114	4.015	5.420	5.361	5.383	5.566	5.329	5.513	5.604	5.847	5.185	5.031	4.557	5.231	5.478	5.425	4.647	5.224
61143	4.570	6.457	6.484	6.594	6.830	6.441	6.633	6.787	7.184	6.481	6.245	5.572	6.435	6.816	6.779	5.772	6.418
611430	4.570	6.457	6.484	6.594	6.830	6.441	6.633	6.787	7.184	6.481	6.245	5.572	6.435	6.816	6.779	5.772	6.418
6115	4.920	5.604	5.688	5.283	4.944	5.643	5.018	4.939	4.757	5.320	4.983	4.661	4.465	5.590	5.385	5.280	4.810
61151	4.920	5.604	5.688	5.283	4.944	5.643	5.018	4.939	4.757	5.320	4.983	4.661	4.465	5.590	5.385	5.280	4.810
611511	0.587	0.566	0.575	0.614	0.606	0.692	0.615	0.606	0.436	0.582	0.691	0.511	0.439	0.542	0.456	0.475	0.410
611512	3.505	3.452	4.118	3.450	3.989	4.243	3.918	3.577	3.911	3.918	4.001	3.538	3.852	5.756	4.843	4.447	3.841
611513	0.354	0.263	0.314	0.335	0.358	0.380	0.351	0.321	0.308	0.351	0.309	0.316	0.300	0.358	0.301	0.310	0.267
611519	4.099	5.184	4.900	4.753	3.818	4.662	3.961	4.103	3.656	4.407	3.760	3.757	3.238	4.243	3.876	4.021	3.813
6116	4.989	5.166	4.776	4.602	4.655	4.579	4.392	4.189	4.392	5.120	4.283	3.942	4.098	4.849	3.887	3.653	3.804
61161	1.166	1.122	1.037	1.341	1.356	1.117	1.071	1.238	1.298	1.598	1.143	1.052	1.093	1.143	0.916	1.141	1.188
611610	1.074	1.034	0.956	1.236	1.250	1.029	0.987	1.141	1.196	1.472	1.053	0.969	1.007	1.053	0.844	1.051	1.094
61169	3.405	3.489	3.443	3.101	2.850	2.911	2.886	2.605	2.495	2.721	2.814	2.423	2.270	2.457	2.405	2.040	1.970
611691	2.351	1.844	1.800	1.677	1.512	1.336	1.334	1.323	1.236	1.255	1.361	1.234	1.204	1.174	1.156	0.954	0.881
62	1086.190	1277.091	1163.246	1076.478	1071.327	1173.145	1136.230	1061.150	1037.029	1121.325	1088.005	1020.746	999.249	1117.446	1061.172	1002.229	976.480
621	516.010	595.569	526.614	495.556	473.696	539.662	486.176	463.912	434.700	527.407	471.761	459.486	423.625	543.063	473.170	458.946	425.326
6211	263.465	301.107	263.525	240.221	231.864	282.925	254.218	236.103	220.336	279.359	244.130	231.964	210.504	287.889	246.777	234.949	213.488
62111	263.465	301.107	263.525	240.221	231.864	282.925	254.218	236.103	220.336	279.359	244.130	231.964	210.504	287.889	246.777	234.949	213.488
621111	260.299	297.421	259.982	237.200	228.524	279.274	250.451	232.707	216.644	278.078	243.054	230.945	209.520	286.540	245.649	233.815	212.316
621112	3.370	3.927	3.794	3.223	3.589	3.901	4.054	3.649	3.994	1.236	1.031	0.976	0.952	1.306	1.088	1.103	1.162
6212	61.590	71.119	64.084	63.298	58.402	67.922	60.197	60.402	56.180	64.511	58.210	57.875	54.273	66.390	56.649	56.647	54.116
62121	61.590	71.119	64.084	63.298	58.402	67.922	60.197	60.402	56.180	64.511	58.210	57.875	54.273	66.390	56.649	56.647	54.116
621210	61.590	71.119	64.084	63.298	58.402	67.922	60.197	60.402	56.180	64.511	58.210	57.875	54.273	66.390	56.649	56.647	54.116
6213	55.884	62.106	55.498	52.773	50.290	53.433	48.311	47.552	45.371	48.520	43.051	44.248	41.264	48.504	40.372	39.368	36.622
62131	11.055	13.383	11.443	10.309	9.636	11.822	10.012	9.828	9.174	11.645	9.388	9.406	8.701	11.186	9.156	9.146	8.702
621310	11.055	13.383	11.443	10.309	9.636	11.822	10.012	9.828	9.174	11.645	9.388	9.406	8.701	11.186	9.156	9.146	8.702
62132	15.774	17.396	14.523	13.193	11.593	14.046	10.758	11.346	9.950	12.072	9.757	10.880	9.149	11.701	9.592	10.195	8.895
621320	15.774	17.396	14.523	13.193	11.593	14.046	10.758	11.346	9.950	12.072	9.757	10.880	9.149	11.701	9.592	10.195	8.895
62133	5.751	7.517	5.992	6.112	5.095	5.936	5.494	5.368	4.577	5.498	5.170	4.421	4.005	4.763	3.570	3.505	3.456
621330	5.751	7.517	5.992	6.112	5.095	5.936	5.494	5.368	4.577	5.498	5.170	4.421	4.005	4.763	3.570	3.505	3.456
62134	15.444	18.693	17.576	16.982	16.134	16.602	16.275	15.985	15.972	15.282	14.710	15.131	14.753	14.111	13.738	13.173	12.541
621340	14.689	17.780	16.718	16.153	15.346	15.791	15.480	15.204	15.192	14.536	13.992	14.392	14.033	13.422	13.067	12.530	11.928
62139	5.963	5.043	4.611	4.531	4.903	4.315	3.937	3.658	3.498	3.674	3.094	3.153	2.905	4.880	2.933	2.639	2.358
621391	1.831	0.369	0.577	0.761	0.738	0.566	0.631	0.560	0.606	0.562	0.626	0.543	0.573	0.524	0.609	0.565	0.642
621399	4.208	4.063	3.612	3.467	3.788	3.369	3.026	2.822	2.669	2.835	2.322	2.407	2.187	3.861	2.194	1.967	1.699

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
6214	58.270	63.422	56.093	52.058	49.313	50.520	43.136	43.285	39.196	44.111	41.021	40.367	39.161	42.089	37.471	37.335	35.290
62142	10.043	9.301	9.032	8.428	8.397	7.980	7.553	7.194	6.789	6.865	7.865	7.692	7.527	7.549	6.721	6.875	6.499
621420	10.043	9.301	9.032	8.428	8.397	7.980	7.553	7.194	6.789	6.865	7.865	7.692	7.527	7.549	6.721	6.875	6.499
62149	43.093	50.178	42.546	39.543	36.397	38.877	31.277	32.129	28.072	33.631	27.796	27.764	26.034	30.533	25.713	27.226	25.221
621492	17.563	22.981	19.485	18.110	16.669	17.805	13.276	15.905	12.439	14.367	10.995	12.369	10.861	12.623	9.799	11.592	9.502
621493	15.545	13.804	11.635	9.194	8.630	11.538	8.603	10.307	8.061	9.310	8.341	7.960	7.879	9.124	8.388	8.295	8.717
621498	18.038	25.136	23.074	19.437	18.846	22.982	17.812	17.190	15.081	17.936	14.625	13.893	13.063	15.613	12.813	13.353	11.894
6215	133.239	199.367	159.243	168.334	150.157	80.851	76.084	70.537	62.040	75.306	63.914	64.164	58.329	70.079	62.373	61.627	57.913
62151	133.239	199.367	159.243	168.334	150.157	80.851	76.084	70.537	62.040	75.306	63.914	64.164	58.329	70.079	62.373	61.627	57.913
621511	309.357	514.574	392.966	421.240	359.526	125.352	111.466	99.161	75.138	119.127	85.037	92.542	75.223	112.550	85.102	91.623	82.986
621512	11.777	12.839	11.926	12.066	12.265	12.920	12.759	12.216	11.862	11.814	11.515	10.895	10.729	10.838	11.041	10.211	9.884
6216	27.941	32.498	31.080	31.374	31.288	34.312	31.597	32.366	32.137	36.309	36.554	37.620	36.313	38.971	38.675	39.007	37.583
62161	27.941	32.498	31.080	31.374	31.288	34.312	31.597	32.366	32.137	36.309	36.554	37.620	36.313	38.971	38.675	39.007	37.583
621610	27.941	32.498	31.080	31.374	31.288	34.312	31.597	32.366	32.137	36.309	36.554	37.620	36.313	38.971	38.675	39.007	37.583
6219	14.382	16.350	16.070	16.527	15.524	15.401	14.920	15.349	14.592	15.629	15.758	16.790	15.873	17.472	16.495	17.222	17.316
62191	8.343	9.138	9.795	8.382	9.187	8.432	8.451	6.940	7.705	8.382	9.223	8.034	9.601	7.850	8.032	6.920	7.939
621910	8.343	9.138	9.795	8.382	9.187	8.432	8.451	6.940	7.705	8.382	9.223	8.034	9.601	7.850	8.032	6.920	7.939
62199	5.952	6.944	6.409	7.456	6.332	6.630	6.280	7.356	6.428	6.818	6.480	7.821	6.368	8.399	7.612	8.698	8.243
621991	4.551	5.702	5.169	5.243	5.065	5.313	5.033	5.077	5.038	5.344	5.064	5.315	5.171	6.989	6.810	6.683	7.986
621999	1.107	1.223	1.145	1.467	1.139	1.191	1.128	1.464	1.174	1.245	1.186	1.571	1.132	1.463	1.243	1.612	1.239
622	385.903	476.517	445.698	396.904	420.029	443.836	468.159	419.173	433.761	423.948	454.935	405.635	424.323	412.213	434.569	391.720	404.349
6221	386.154	478.265	449.463	401.157	420.850	448.357	457.328	421.477	427.375	423.560	441.989	407.920	422.011	417.960	424.700	400.102	409.066
62211	386.154	478.265	449.463	401.157	420.850	448.357	457.328	421.477	427.375	423.560	441.989	407.920	422.011	417.960	424.700	400.102	409.066
622110	383.318	474.752	446.162	398.211	417.759	445.063	453.969	418.381	424.236	420.448	438.743	404.923	418.911	414.890	421.580	397.163	406.061
623	99.827	108.820	102.466	99.325	96.290	102.153	100.392	97.637	92.149	87.980	87.721	83.397	83.863	85.731	85.256	84.539	83.681
6231	62.365	65.524	64.368	63.388	60.337	58.553	57.325	55.557	50.601	45.034	46.788	41.491	42.219	43.211	45.808	45.822	44.068
62311	62.365	65.524	64.368	63.388	60.337	58.553	57.325	55.557	50.601	45.034	46.788	41.491	42.219	43.211	45.808	45.822	44.068
623110	62.365	65.524	64.368	63.388	60.337	58.553	57.325	55.557	50.601	45.034	46.788	41.491	42.219	43.211	45.808	45.822	44.068
6232	13.445	14.841	14.090	13.240	13.693	16.397	16.374	16.193	16.026	16.705	16.596	16.360	16.574	17.080	16.411	16.329	16.292
62321	10.054	11.098	10.554	10.415	10.295	11.171	10.977	11.177	10.703	11.850	11.517	11.470	11.442	12.279	11.322	11.594	11.348
623210	10.054	11.098	10.554	10.415	10.295	11.171	10.977	11.177	10.703	11.850	11.517	11.470	11.442	12.279	11.322	11.594	11.348
62322	3.789	4.182	3.962	3.483	3.832	5.149	5.228	5.015	5.137	5.019	5.110	4.980	5.132	5.053	5.085	4.901	4.995
623220	3.789	4.182	3.962	3.483	3.832	5.149	5.228	5.015	5.137	5.019	5.110	4.980	5.132	5.053	5.085	4.901	4.995
6233	27.397	31.374	28.541	27.590	26.287	27.963	26.835	25.635	24.315	22.308	21.408	20.999	20.800	20.872	20.267	19.422	20.255
62331	27.397	31.374	28.541	27.590	26.287	27.963	26.835	25.635	24.315	22.308	21.408	20.999	20.800	20.872	20.267	19.422	20.255
623311	16.981	19.732	17.774	17.245	16.404	17.723	16.898	15.958	15.288	13.578	13.201	12.679	12.837	11.707	11.397	10.857	11.443
623312	7.427	7.620	7.477	7.032	6.782	6.364	6.452	6.737	5.915	6.821	6.015	6.738	5.810	9.483	9.117	8.939	8.946
6239	3.985	4.135	3.146	3.160	2.863	3.309	3.554	3.580	3.231	3.661	3.425	3.510	3.360	3.547	3.215	3.464	3.075
62399	3.985	4.135	3.146	3.160	2.863	3.309	3.554	3.580	3.231	3.661	3.425	3.510	3.360	3.547	3.215	3.464	3.075
623990	3.985	4.135	3.146	3.160	2.863	3.309	3.554	3.580	3.231	3.661	3.425	3.510	3.360	3.547	3.215	3.464	3.075
624	94.142	106.111	100.491	96.630	94.186	97.801	95.447	94.327	90.951	87.709	82.976	80.087	77.980	78.054	74.645	73.304	71.646
6241	53.887	63.604	59.537	56.890	57.086	58.445	57.013	56.021	54.797	53.132	49.411	47.618	47.181	43.801	42.133	41.615	40.677
62411	6.418	6.968	6.591	6.500	6.429	5.832	6.240	5.990	6.189	6.262	6.067	5.435	5.573	4.709	4.658	4.241	4.304
624110	6.418	6.968	6.591	6.500	6.429	5.832	6.240	5.990	6.189	6.262	6.067	5.435	5.573	4.709	4.658	4.241	4.304
62412	24.289	25.112	25.896	23.473	26.292	25.084	24.654	22.991	24.088	19.637	18.399	17.357	17.515	13.460	13.745	13.055	14.081
624120	24.289	25.112	25.896	23.473	26.292	25.084	24.654	22.991	24.088	19.637	18.399	17.357	17.515	13.460	13.745	13.055	14.081
62419	27.388	34.797	31.166	30.350	28.973	31.263	29.980	30.264	28.449	29.498	27.172	26.706	26.140	26.203	24.656	24.918	23.489
624190	27.388	34.797	31.166	30.350	28.973	31.263	29.980	30.264	28.449	29.498	27.172	26.706	26.140	26.203	24.656	24.918	23.489
6242	7.174	7.700	7.569	7.002	6.822	7.301	7.360	6.611	6.806	4.657	4.838	3.849	4.036	5.960	5.566	4.598	5.451
6243	14.501	17.105	15.647	16.586	13.866	15.345	13.924	15.597	13.819	13.057	10.622	9.469	9.562	11.375	10.166	10.109	9.644
62431	14.501	17.105	15.647	16.586	13.866	15.345	13.924	15.597	13.819	13.057	10.622	9.469	9.562	11.375	10.166	10.109	9.644
624310	14.501	17.105	15.647	16.586	13.866	15.345	13.924	15.597	13.819	13.057	10.622	9.469	9.562	11.375	10.166	10.109	9.644
6244	17.401	16.634	16.392	15.964	14.518	15.435	15.173	15.497	13.993	15.432	15.624	16.351	14.581	15.597	15.033	15.443	14.082
62441	17.401	16.634	16.392	15.964	14.518	15.435	15.173	15.497	13.993	15.432	15.624	16.351	14.581	15.597	15.033	15.443	14.082
624410	17.401	16.634	16.392	15.964	14.518	15.435	15.173	15.497	13.993	15.432	15.624	16.351	14.581	15.597	15.033	15.443	14.082
71	150.023	158.649	147.049	141.939	124.766	170.064	138.359	133.027	125.010	133.804	129.055	124.479	123.092	126.515	125.617	121.801	117.587

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
711	73.477	114.689	88.589	82.855	69.878	111.149	82.016	73.341	67.071	96.498	60.652	60.225	57.078	74.988	59.698	59.120	60.514
7112	16.382	19.944	26.496	23.991	17.484	19.547	25.109	20.754	15.804	14.188	12.968	13.673	10.703	11.563	12.213	12.956	10.425
71121	16.382	19.944	26.496	23.991	17.484	19.547	25.109	20.754	15.804	14.188	12.968	13.673	10.703	11.563	12.213	12.956	10.425
7113	1.463	4.124	1.783	1.686	1.368	3.621	1.700	1.588	1.304	3.744	1.611	1.620	1.467	3.289	1.778	1.800	1.531
71131	0.424	0.543	0.437	0.422	0.386	0.498	0.409	0.413	0.389	0.601	0.411	0.432	0.381	0.639	0.357	0.442	0.344
711310	0.424	0.543	0.437	0.422	0.386	0.498	0.409	0.413	0.389	0.601	0.411	0.432	0.381	0.639	0.357	0.442	0.344
71132	1.093	3.527	1.387	1.305	1.029	3.082	1.327	1.218	0.966	3.128	1.242	1.236	1.125	2.671	1.437	1.399	1.211
711320	1.093	3.527	1.387	1.305	1.029	3.082	1.327	1.218	0.966	3.128	1.242	1.236	1.125	2.671	1.437	1.399	1.211
7114	0.045	0.146	0.158	0.138	0.137	0.359	0.154	0.085	0.079	0.071	0.087	0.119	0.103	0.094	0.081	0.071	0.077
71141	0.045	0.146	0.158	0.138	0.137	0.359	0.154	0.085	0.079	0.071	0.087	0.119	0.103	0.094	0.081	0.071	0.077
711410	0.045	0.146	0.158	0.138	0.137	0.359	0.154	0.085	0.079	0.071	0.087	0.119	0.103	0.094	0.081	0.071	0.077
712	6.203	7.406	6.516	7.094	6.231	7.278	5.961	6.608	5.606	6.469	5.466	6.022	5.085	5.779	5.070	5.819	4.853
7121	6.203	7.406	6.516	7.094	6.231	7.278	5.961	6.608	5.606	6.469	5.466	6.022	5.085	5.779	5.070	5.819	4.853
713	121.026	112.453	111.502	106.186	94.394	126.651	105.886	101.160	97.497	94.266	104.626	98.094	100.441	95.855	102.346	96.135	93.855
7139	11.045	10.696	11.096	10.254	8.571	9.507	10.140	9.667	8.272	8.989	10.609	9.892	8.696	9.381	10.640	9.831	8.154
71391	10.258	12.591	13.298	11.803	9.854	11.873	12.474	11.573	9.881	11.124	12.300	11.656	9.976	11.398	12.564	11.716	9.878
713910	10.258	12.591	13.298	11.803	9.854	11.873	12.474	11.573	9.881	11.124	12.300	11.656	9.976	11.398	12.564	11.716	9.878
71393	0.821	0.827	1.169	1.119	0.721	1.136	1.193	1.022	0.894	1.006	1.643	1.363	0.819	1.471	1.514	1.617	0.838
713930	0.821	0.827	1.169	1.119	0.721	1.136	1.193	1.022	0.894	1.006	1.643	1.363	0.819	1.471	1.514	1.617	0.838
71394	16.204	13.079	13.372	12.871	11.423	12.312	12.936	12.882	11.182	12.296	13.478	12.724	12.481	12.843	13.751	12.913	11.002
713940	16.718	13.494	13.796	13.279	11.785	12.702	13.347	13.291	11.536	12.686	13.905	13.127	12.878	13.251	14.187	13.323	11.351
71395	4.844	5.166	5.345	5.145	3.089	2.553	2.682	2.184	1.895	2.083	2.326	2.059	2.550	2.193	2.265	1.947	2.323
713950	4.844	5.166	5.345	5.145	3.089	2.553	2.682	2.184	1.895	2.083	2.326	2.059	2.550	2.193	2.265	1.947	2.323
71399	6.476	5.936	5.751	4.792	4.638	5.130	6.190	6.025	3.950	3.970	8.437	7.494	3.498	4.008	7.714	6.391	3.817
713990	7.359	6.746	6.535	5.445	5.270	5.830	7.034	6.846	4.489	4.512	9.587	8.515	3.975	4.555	8.766	7.262	4.337
72	367.767	395.089	384.975	380.451	354.703	362.330	358.096	355.250	331.485	337.603	340.835	334.322	319.469	328.581	326.424	331.439	317.239
721	76.832	93.467	84.695	85.086	81.533	75.543	76.683	71.925	70.782	74.980	73.503	73.645	73.965	76.277	76.476	73.910	73.772
7211	64.296	78.118	70.948	71.326	68.381	63.193	64.224	60.192	59.269	62.516	61.525	61.443	61.839	63.205	63.362	61.219	61.192
72111	45.319	55.125	50.126	50.467	48.364	44.589	45.450	42.428	41.769	44.063	43.445	43.319	43.771	44.627	44.887	43.263	43.348
721110	45.319	55.125	50.126	50.467	48.364	44.589	45.450	42.428	41.769	44.063	43.445	43.319	43.771	44.627	44.887	43.263	43.348
72119	0.697	0.799	0.680	0.629	0.617	0.649	0.560	0.651	0.648	0.679	0.607	0.657	0.533	0.628	0.517	0.579	0.501
721191	0.331	0.414	0.284	0.263	0.258	0.271	0.234	0.272	0.265	0.290	0.224	0.242	0.196	0.246	0.203	0.210	0.181
721199	0.335	0.338	0.380	0.351	0.345	0.363	0.313	0.364	0.370	0.371	0.381	0.412	0.334	0.374	0.308	0.368	0.318
722	289.738	306.345	301.375	297.209	276.102	285.524	281.277	280.908	260.466	263.971	267.486	261.679	248.437	255.431	253.440	259.017	246.557
7223	10.522	12.871	12.649	11.526	10.230	13.262	12.857	12.083	11.869	11.250	11.264	11.121	11.210	11.673	11.514	11.343	10.989
72231	9.392	11.213	10.097	9.166	9.235	10.392	10.074	10.658	10.470	9.626	9.638	10.089	10.169	10.031	9.486	8.970	10.144
722310	9.392	11.213	10.097	9.166	9.235	10.392	10.074	10.658	10.470	9.626	9.638	10.089	10.169	10.031	9.486	8.970	10.144
7224	9.653	9.473	9.165	9.432	8.684	7.763	7.543	7.472	6.729	6.683	6.904	6.995	6.388	6.804	6.633	6.871	6.909
72241	9.653	9.473	9.165	9.432	8.684	7.763	7.543	7.472	6.729	6.683	6.904	6.995	6.388	6.804	6.633	6.871	6.909
722410	9.653	9.473	9.165	9.432	8.684	7.763	7.543	7.472	6.729	6.683	6.904	6.995	6.388	6.804	6.633	6.871	6.909
81	187.247	215.637	201.920	197.251	187.035	205.007	196.948	190.165	184.003	198.257	189.741	185.189	179.252	196.198	189.768	186.889	179.082
811	74.057	87.588	82.877	78.576	75.936	82.833	79.235	76.629	75.332	81.857	76.926	73.734	73.308	91.281	81.956	78.738	74.725
8111	46.969	52.925	49.417	49.250	43.984	49.171	46.480	46.992	43.213	47.334	45.061	44.224	42.304	47.731	43.764	44.611	41.547
81111	20.906	23.003	22.076	21.907	19.513	21.675	20.430	20.453	19.269	20.392	19.595	19.114	18.317	21.869	20.170	20.088	18.915
811111	19.538	20.940	20.412	19.935	17.833	18.708	18.379	18.076	17.219	17.782	17.529	16.759	16.054	19.038	18.635	18.295	17.106
811112	0.630	0.666	0.654	0.695	0.629	0.295	0.254	0.270	0.212	0.231	0.207	0.224	0.202	0.244	0.187	0.182	0.165
811113	1.392	1.377	1.431	1.658	1.500	1.716	1.454	1.639	1.385	1.493	1.364	1.549	1.530	1.332	1.288	1.421	1.434
811118	0.491	0.658	0.562	0.567	0.487	0.842	0.700	0.726	0.686	0.792	0.703	0.707	0.677	0.888	0.650	0.675	0.646
81112	19.803	22.737	20.504	20.475	18.232	20.571	19.269	19.543	18.189	20.170	18.869	19.039	18.151	18.873	17.114	17.998	16.984
811121	12.926	14.714	13.153	13.127	11.766	13.304	12.355	12.473	11.654	12.478	11.766	11.760	11.299	11.672	10.537	11.069	10.646
811122	2.726	3.468	3.431	3.447	2.866	3.157	3.240	3.439	3.082	4.590	4.051	4.383	3.945	4.304	4.029	4.268	3.499
81119	5.959	6.876	6.463	6.494	5.890	6.559	6.394	6.599	5.475	6.447	6.240	5.811	5.578	6.497	6.002	6.102	5.316
811191	2.742	3.165	2.974	2.989	2.711	3.164	2.937	3.266	2.761	3.056	2.895	3.057	2.548	3.171	2.890	2.992	2.674
811192	2.068	2.281	2.267	2.183	2.096	2.124	2.315	2.256	1.774	2.044	2.139	1.753	1.899	2.120	1.987	2.006	1.697
811198	0.250	0.276	0.274	0.264	0.253	0.401	0.244	0.273	0.287	0.451	0.327	0.365	0.319	0.370	0.333	0.329	0.304
8112	3.413	4.540	3.699	3.476	3.762	4.129	3.919	3.726	4.453	5.339	4.605	4.269	4.752	4.675	4.986	4.268	4.551

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
81121	3.413	4.540	3.699	3.476	3.762	4.129	3.919	3.726	4.453	5.339	4.605	4.269	4.752	4.675	4.986	4.268	4.551
811212	0.927	1.042	1.075	0.840	0.862	0.856	0.843	0.864	0.756	0.883	0.773	0.770	0.756	1.138	1.040	1.049	0.966
811219	3.193	4.306	3.434	3.277	3.532	3.911	3.667	3.471	4.242	5.113	4.367	4.032	4.531	4.327	4.675	3.931	4.237
8113	22.733	28.365	28.165	24.644	26.278	27.829	26.384	24.005	24.076	25.134	23.247	21.973	22.430	36.740	28.687	26.742	24.716
81131	22.733	28.365	28.165	24.644	26.278	27.829	26.384	24.005	24.076	25.134	23.247	21.973	22.430	36.740	28.687	26.742	24.716
811310	22.733	28.365	28.165	24.644	26.278	27.829	26.384	24.005	24.076	25.134	23.247	21.973	22.430	36.740	28.687	26.742	24.716
8114	1.857	2.138	2.348	2.134	2.100	2.132	2.371	2.159	2.305	2.267	2.456	2.220	2.123	2.354	2.649	2.391	2.338
81141	0.514	0.624	0.690	0.644	0.625	0.589	0.699	0.598	0.708	0.655	0.729	0.637	0.628	0.702	0.884	0.773	0.729
81142	0.348	0.422	0.467	0.436	0.423	0.399	0.473	0.405	0.479	0.443	0.493	0.451	0.395	0.397	0.445	0.437	0.449
811420	0.348	0.422	0.467	0.436	0.423	0.399	0.473	0.405	0.479	0.443	0.493	0.451	0.395	0.397	0.445	0.437	0.449
81149	1.846	2.021	2.381	1.905	2.018	2.260	2.317	2.230	2.234	2.317	2.075	1.993	1.947	2.307	2.004	1.813	1.841
811490	1.754	1.921	2.263	1.810	1.918	2.148	2.202	2.120	2.124	2.202	1.972	1.894	1.850	2.193	1.904	1.723	1.749
812	45.843	51.611	48.557	48.630	45.469	49.327	47.703	47.225	44.780	47.736	45.626	45.664	42.436	45.690	43.079	44.162	42.076
8121	14.015	16.127	15.009	15.353	13.733	14.806	14.064	14.352	13.060	14.037	13.055	13.138	12.104	12.994	12.284	12.228	11.776
81211	9.394	10.520	10.028	10.221	9.345	9.284	9.368	9.465	8.870	8.859	8.571	8.493	7.884	8.205	8.097	8.053	7.795
812111	0.340	0.350	0.301	0.291	0.267	0.275	0.236	0.224	0.152	0.148	0.121	0.157	0.116	0.131	0.149	0.142	0.136
812112	7.832	8.936	8.601	8.723	8.237	8.161	8.029	8.166	7.950	7.914	7.768	7.734	7.342	7.601	7.455	7.401	7.277
812113	1.350	1.366	1.260	1.370	0.926	0.927	1.272	1.245	0.906	0.946	0.820	0.694	0.499	0.551	0.563	0.587	0.430
81219	5.109	6.332	5.521	5.705	4.785	6.399	5.219	5.474	4.580	5.976	5.039	5.280	4.771	5.525	4.691	4.681	4.445
812191	1.133	1.404	0.976	1.008	0.846	1.131	1.027	1.077	0.901	1.821	1.535	1.936	1.490	1.726	1.639	1.655	1.746
812199	3.674	4.553	4.088	4.224	3.543	4.738	3.814	4.001	3.347	4.061	3.424	3.432	3.224	3.735	3.088	3.072	2.834
8122	6.862	7.595	7.545	7.451	7.090	7.354	7.070	7.222	6.945	7.134	7.005	7.086	6.611	7.500	6.828	7.583	6.684
81221	5.709	6.321	6.339	6.255	5.951	6.128	5.785	5.808	5.557	5.836	5.432	5.598	5.469	5.839	5.326	5.774	5.314
812210	5.643	6.248	6.266	6.183	5.882	6.057	5.718	5.740	5.493	5.768	5.369	5.533	5.406	5.771	5.264	5.707	5.252
81222	0.954	1.054	0.995	0.987	0.940	1.015	1.070	1.183	1.163	1.081	1.326	1.250	0.947	1.399	1.265	1.530	1.149
812220	0.954	1.054	0.995	0.987	0.940	1.015	1.070	1.183	1.163	1.081	1.326	1.250	0.947	1.399	1.265	1.530	1.149
8123	14.458	15.869	14.813	14.944	14.356	15.637	15.086	14.570	14.146	15.061	14.488	14.607	13.908	14.983	14.317	14.631	14.286
81231	2.797	2.873	2.689	2.914	2.613	2.996	2.810	2.604	2.211	2.216	1.950	1.956	1.644	1.795	1.715	1.929	1.884
812310	2.988	3.070	2.874	3.114	2.792	3.202	3.003	2.783	2.363	2.368	2.083	2.090	1.756	1.918	1.833	2.061	2.013
81232	3.725	4.265	4.039	4.238	3.912	4.220	4.090	4.254	3.980	4.277	4.180	4.360	4.067	4.427	4.252	4.528	4.444
812320	3.749	4.292	4.065	4.265	3.937	4.247	4.116	4.281	4.005	4.304	4.206	4.388	4.093	4.455	4.279	4.557	4.472
81233	8.968	9.780	9.082	8.962	8.800	9.563	9.241	8.730	8.710	9.294	8.956	8.920	8.640	9.199	8.834	8.822	8.658
8129	9.484	10.958	10.284	9.665	9.304	10.592	10.824	10.306	10.037	10.885	10.642	10.228	9.056	9.299	8.687	8.872	8.319
81291	3.638	4.203	4.089	3.788	3.559	3.530	3.885	3.380	3.365	3.161	3.394	3.145	2.974	2.969	2.841	2.764	2.634
812910	3.638	4.203	4.089	3.788	3.559	3.530	3.885	3.380	3.365	3.161	3.394	3.145	2.974	2.969	2.841	2.764	2.634
81293	3.812	4.458	3.890	3.839	3.985	4.846	4.764	4.691	4.589	5.110	5.031	4.683	4.094	4.151	4.023	4.067	3.933
812930	3.812	4.458	3.890	3.839	3.985	4.846	4.764	4.691	4.589	5.110	5.031	4.683	4.094	4.151	4.023	4.067	3.933
813	66.903	76.436	70.367	69.591	65.422	71.872	69.314	64.740	63.143	67.537	66.663	64.624	62.869	64.839	64.084	62.596	61.339
8132	51.232	58.452	49.122	55.786	50.140	57.027	52.983	45.842	44.567	55.780	47.013	49.506	45.743	46.565	39.807	43.470	42.481
81321	51.232	58.452	49.122	55.786	50.140	57.027	52.983	45.842	44.567	55.780	47.013	49.506	45.743	46.565	39.807	43.470	42.481
813211	34.038	43.240	36.486	43.124	38.178	43.359	42.193	32.853	32.464	41.041	35.984	37.925	35.183	33.582	30.387	33.517	33.336
813212	10.104	7.215	6.088	7.196	6.371	7.235	7.041	5.482	4.543	6.410	4.670	5.284	4.337	5.633	3.927	4.592	4.003
813219	7.453	9.334	7.876	9.309	8.241	9.359	9.108	7.092	6.991	8.076	6.301	6.410	6.135	7.030	5.405	5.513	5.277
8133	8.020	9.099	8.203	8.138	8.214	8.657	8.155	7.888	7.906	7.274	6.871	6.584	6.709	6.689	7.131	7.093	7.089
81331	8.020	9.099	8.203	8.138	8.214	8.657	8.155	7.888	7.906	7.274	6.871	6.584	6.709	6.689	7.131	7.093	7.089
813319	4.802	5.460	5.044	5.072	5.115	5.247	4.925	4.754	4.796	4.423	4.139	3.950	4.084	4.006	4.432	4.407	4.397
8134	5.619	6.290	7.044	6.138	5.701	5.695	6.990	6.160	5.756	5.530	6.728	6.266	5.877	5.766	6.748	6.482	6.043
81341	5.619	6.290	7.044	6.138	5.701	5.695	6.990	6.160	5.756	5.530	6.728	6.266	5.877	5.766	6.748	6.482	6.043
813410	5.540	6.201	6.945	6.051	5.621	5.614	6.892	6.073	5.675	5.452	6.633	6.178	5.794	5.684	6.652	6.391	5.957
8139	21.495	24.613	22.488	21.811	20.404	22.980	21.238	20.479	19.772	21.275	21.593	20.545	20.121	21.149	20.666	19.306	19.080
81391	13.430	13.337	12.343	12.359	12.124	13.564	11.884	11.823	11.462	12.224	11.911	12.090	12.030	12.980	12.022	11.402	11.367
813910	13.430	13.337	12.343	12.359	12.124	13.564	11.884	11.823	11.462	12.224	11.911	12.090	12.030	12.980	12.022	11.402	11.367
81392	6.780	9.745	9.019	9.030	8.858	9.911	8.683	7.835	7.596	8.199	7.410	7.521	7.484	9.045	8.378	7.060	7.038
813920	6.780	9.745	9.019	9.030	8.858	9.911	8.683	7.835	7.596	8.199	7.410	7.521	7.484	9.045	8.378	7.060	7.038

Method 6. We first compute the revenues-to-payroll ratio from 2007 Economic Census' for Tulsa MSA, Tulsa County, and the state of Oklahoma. We then compute the panel median of these revenues-to-payroll ratios. Using the only overlapping year, 2012, we incorporate quarterly seasonal patterns of payrolls (from Quarterly Census of Employment and Wages) to adjust the 2007 revenues-to-payroll ratios. This generates four quarterly seasonally adjusted revenues-to-payroll ratios. We then use these new seasonally corrected revenues-to-payroll ratios to estimate revenues from the quarterly payrolls. This method generates only one estimate. The following table reports this estimate.

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
51	42.316	43.273	39.263	40.380	40.423	47.425	41.806	44.561	46.338	46.070	41.737	51.720	41.213	44.902	42.000	42.826	48.635
511	55.673	52.761	51.166	52.373	55.144	49.761	52.820	53.372	60.373	55.893	59.040	57.715	111.605	59.054	59.732	60.875	64.283
5111	44.249	41.922	40.887	42.815	44.424	39.830	43.466	44.345	47.844	44.980	48.862	48.384	103.376	48.946	50.717	51.643	54.176
51111	12.467	11.180	10.967	11.986	12.142	10.643	11.521	10.025	11.742	12.760	13.537	11.726	54.368	15.502	16.344	14.352	16.663
511110	12.467	11.180	10.967	11.986	12.142	10.643	11.521	10.025	11.742	12.760	13.537	11.726	54.368	15.502	16.344	14.352	16.663
51112	24.649	20.983	20.703	23.661	23.414	20.077	21.559	23.728	24.738	22.530	23.357	24.796	24.402	20.963	21.897	24.721	24.263
511120	24.649	20.983	20.703	23.661	23.414	20.077	21.559	23.728	24.738	22.530	23.357	24.796	24.402	20.963	21.897	24.721	24.263
51114	6.369	5.421	5.349	6.113	6.050	5.187	5.570	6.131	6.392	5.821	6.556	6.960	6.849	5.884	6.146	6.939	6.811
511140	6.369	5.421	5.349	6.113	6.050	5.187	5.570	6.131	6.392	5.821	6.556	6.960	6.849	5.884	6.146	6.939	6.811
5112	12.685	12.033	11.439	10.750	11.972	11.060	10.558	10.247	13.896	12.182	11.525	10.651	10.836	11.456	10.385	10.628	11.579
51121	12.685	12.033	11.439	10.750	11.972	11.060	10.558	10.247	13.896	12.182	11.525	10.651	10.836	11.456	10.385	10.628	11.579
511210	12.685	12.033	11.439	10.750	11.972	11.060	10.558	10.247	13.896	12.182	11.525	10.651	10.836	11.456	10.385	10.628	11.579
51213	6.972	6.118	6.277	6.456	6.618	4.730	3.982	4.104	4.068	3.903	4.248	4.203	3.931	3.816	4.248	4.258	3.646
515	24.033	24.235	21.639	23.667	23.303	24.450	20.253	24.324	23.836	24.253	21.548	23.485	21.530	25.117	21.566	22.718	24.464
515111	0.381	0.377	0.357	0.401	0.375	0.403	0.380	0.395	0.390	0.446	0.387	0.426	0.391	0.426	0.381	0.407	0.430
51512	16.882	16.380	14.463	15.399	15.570	15.391	12.273	14.962	15.196	15.454	13.106	14.556	13.353	13.669	12.039	12.834	13.563
515120	16.882	16.380	14.463	15.399	15.570	15.391	12.273	14.962	15.196	15.454	13.106	14.556	13.353	13.669	12.039	12.834	13.563
517	4.140	3.496	3.570	3.369	4.533	3.404	3.788	3.475	4.781	3.471	3.750	3.312	4.521	3.689	3.848	3.516	4.742
517110	5.503	4.942	5.095	4.381	6.269	4.305	5.056	4.545	6.701	4.498	5.026	4.456	6.472	4.613	4.899	4.368	6.273
517911	3.493	0.610	0.402	2.626	2.648	3.455	3.125	3.438	3.812	3.281	2.609	2.239	2.279	1.976	2.010	1.963	2.252
518	14.142	15.542	14.054	13.344	12.587	19.571	17.764	16.762	17.720	18.346	16.439	24.922	15.162	16.096	16.587	16.592	19.429
5182	14.142	15.542	14.054	13.344	12.587	19.571	17.764	16.762	17.720	18.346	16.439	24.922	15.162	16.096	16.587	16.592	19.429
51821	14.142	15.542	14.054	13.344	12.587	19.571	17.764	16.762	17.720	18.346	16.439	24.922	15.162	16.096	16.587	16.592	19.429
518210	14.142	15.542	14.054	13.344	12.587	19.571	17.764	16.762	17.720	18.346	16.439	24.922	15.162	16.096	16.587	16.592	19.429
51913	5.422	5.741	4.734	4.265	4.061	10.079	4.045	6.124	4.883	15.146	6.059	6.208	5.597	3.069	2.717	2.498	1.860
519130	7.511	7.953	6.557	5.908	5.626	13.962	5.604	8.484	6.764	20.982	8.394	8.600	7.753	4.251	3.763	3.460	2.577
52	77.711	70.375	64.899	67.888	76.733	69.722	61.105	69.970	85.215	69.034	60.538	64.805	72.513	65.655	58.058	59.895	67.405
522130	26.462	27.485	23.252	25.767	23.584	25.963	21.627	23.997	22.203	25.275	21.001	23.866	21.061	23.638	19.783	21.606	18.979
5222	275.442	282.863	271.906	255.249	270.881	242.833	217.663	213.429	267.278	256.574	227.403	232.975	241.729	233.562	207.686	207.060	213.372
52229	73.818	81.060	73.795	68.086	73.315	61.475	56.542	53.014	73.884	65.794	58.263	59.659	64.246	60.000	54.230	52.828	53.247
522291	7.920	8.323	7.849	8.095	8.828	8.468	8.098	8.598	8.683	8.562	6.913	7.642	7.452	7.679	6.264	7.011	6.623
522292	56.614	62.250	56.834	50.919	54.333	42.433	38.729	34.085	55.457	46.433	42.468	42.629	47.599	41.468	39.429	36.880	37.840
5223	8.114	10.359	7.789	8.198	11.810	11.563	7.516	7.578	7.749	8.891	6.397	7.109	6.737	9.643	5.868	6.623	5.684
52239	2.258	3.010	2.159	2.347	3.849	3.637	2.208	2.358	2.363	3.363	2.282	2.614	2.350	3.688	2.036	2.449	1.996
522390	2.258	3.010	2.159	2.347	3.849	3.637	2.208	2.358	2.363	3.363	2.282	2.614	2.350	3.688	2.036	2.449	1.996
523	111.778	105.283	89.312	100.149	117.724	81.914	74.162	74.821	141.156	70.134	63.528	66.886	111.669	89.880	82.029	80.258	103.311
5231	73.382	56.983	48.339	54.204	74.231	51.651	46.763	47.178	89.006	44.223	40.058	42.175	78.196	56.476	51.543	50.430	69.055
52311	3.092	1.537	1.304	1.462	3.114	2.167	1.962	1.979	3.734	1.855	1.681	1.769	4.048	1.715	1.565	1.531	3.174
523110	3.092	1.537	1.304	1.462	3.114	2.167	1.962	1.979	3.734	1.855	1.681	1.769	4.048	1.715	1.565	1.531	3.174
52312	71.293	59.644	57.411	57.369	72.326	64.978	58.933	58.009	69.037	62.777	57.223	60.459	67.274	53.732	50.801	53.322	63.253
523120	71.293	59.644	57.411	57.369	72.326	64.978	58.933	58.009	69.037	62.777	57.223	60.459	67.274	53.732	50.801	53.322	63.253
5239	29.675	37.114	32.513	29.284	33.560	35.320	26.260	25.727	31.813	30.676	23.035	22.590	25.957	30.973	23.521	21.656	26.497

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
52391	3.552	6.480	6.752	6.007	6.755	8.037	6.842	6.265	9.865	7.618	6.648	5.987	8.633	8.370	8.710	6.896	9.467
523910	3.552	6.480	6.752	6.007	6.755	8.037	6.842	6.265	9.865	7.618	6.648	5.987	8.633	8.370	8.710	6.896	9.467
52392	10.126	8.525	8.883	7.903	10.461	8.532	7.496	7.242	9.558	7.219	5.899	5.981	7.071	8.138	5.221	5.397	7.016
523920	10.126	8.525	8.883	7.903	10.461	8.532	7.496	7.242	9.558	7.219	5.899	5.981	7.071	8.138	5.221	5.397	7.016
52393	12.273	17.976	13.004	13.064	12.822	14.496	8.769	9.440	8.861	11.641	7.762	7.848	7.073	8.945	7.311	6.644	6.961
523930	12.273	17.976	13.004	13.064	12.822	14.496	8.769	9.440	8.861	11.641	7.762	7.848	7.073	8.945	7.311	6.644	6.961
52399	4.362	5.969	4.318	4.338	4.549	7.576	4.293	4.079	4.066	7.148	4.236	4.192	4.210	7.576	4.139	4.145	4.143
523991	3.264	4.467	3.231	3.246	3.404	5.669	3.213	3.053	3.043	5.349	3.079	3.071	3.012	5.716	3.079	3.067	3.008
523999	0.964	1.319	0.954	0.959	1.005	1.674	0.949	0.902	0.899	1.580	1.338	1.214	1.539	1.470	0.996	1.070	1.324
524	77.922	73.500	66.254	76.008	81.412	72.236	63.394	72.263	77.189	67.944	59.421	69.003	71.367	66.641	58.486	64.819	67.228
5242	84.905	85.578	76.696	84.789	81.492	78.687	67.298	71.718	70.171	73.314	63.460	68.288	66.373	71.823	61.556	63.615	62.062
52421	70.787	72.404	64.021	72.432	69.643	66.320	56.345	60.821	59.548	61.603	52.652	57.047	54.834	58.882	50.014	51.513	49.929
524210	70.787	72.404	64.021	72.432	69.643	66.320	56.345	60.821	59.548	61.603	52.652	57.047	54.834	58.882	50.014	51.513	49.929
52429	13.672	12.462	12.252	11.478	10.998	11.775	10.540	10.265	9.995	11.207	10.538	10.853	11.315	12.810	11.544	12.147	12.258
524291	6.940	6.585	6.847	6.736	6.253	6.638	5.995	6.171	6.055	6.664	7.338	7.317	8.314	9.463	8.706	9.492	9.461
524292	3.480	3.184	3.052	2.878	2.741	3.048	2.592	2.513	2.349	2.842	2.536	2.655	2.683	2.922	2.581	2.643	2.606
524298	0.210	0.169	0.180	0.138	0.154	0.112	0.165	0.144	0.186	0.114	0.104	0.101	0.102	0.170	0.167	0.190	0.230
53	155.814	181.178	160.418	151.454	152.306	173.787	154.949	137.893	143.023	152.556	128.283	165.977	125.608	444.454	169.458	138.931	148.745
531	157.339	193.020	163.290	154.428	156.272	180.277	156.611	141.186	139.455	181.322	139.322	141.340	136.826	171.222	139.473	136.367	139.033
5311	61.952	71.164	63.259	60.657	63.650	60.555	53.399	50.548	52.001	61.201	51.775	51.017	53.252	59.857	49.927	48.759	49.498
53111	18.140	23.440	18.134	18.830	17.829	23.510	20.740	20.981	19.202	22.553	19.561	19.479	18.965	25.416	18.450	20.041	19.196
531110	18.813	24.309	18.807	19.528	18.491	24.382	21.509	21.759	19.914	23.390	20.286	20.201	19.669	26.359	19.134	20.785	19.908
53112	48.407	50.734	49.247	45.296	51.253	35.141	30.410	26.075	31.560	38.280	30.614	29.875	33.988	31.176	30.092	26.091	28.632
531120	52.468	54.991	53.379	49.096	55.553	38.090	32.962	28.263	34.208	41.492	33.183	32.382	36.840	33.792	32.617	28.280	31.034
53113	2.518	3.195	3.123	2.684	2.708	3.287	3.158	3.065	3.069	3.286	3.159	3.175	3.048	3.418	3.125	2.844	2.880
531130	2.518	3.195	3.123	2.684	2.708	3.287	3.158	3.065	3.069	3.286	3.159	3.175	3.048	3.418	3.125	2.844	2.880
53119	0.585	0.589	0.541	0.512	0.484	0.768	0.708	0.748	0.620	0.568	0.562	0.490	0.538	0.563	0.545	0.583	0.548
531190	0.547	0.552	0.506	0.479	0.453	0.719	0.663	0.700	0.580	0.532	0.526	0.459	0.503	0.527	0.510	0.546	0.513
5312	36.640	50.941	38.073	35.436	39.337	57.241	44.543	36.598	34.596	56.873	34.778	35.631	33.014	52.716	37.881	36.121	37.771
53121	36.640	50.941	38.073	35.436	39.337	57.241	44.543	36.598	34.596	56.873	34.778	35.631	33.014	52.716	37.881	36.121	37.771
531210	37.271	51.818	38.728	36.046	40.014	58.226	45.310	37.228	35.192	57.852	35.376	36.244	33.583	53.624	38.533	36.743	38.421
5313	48.746	57.706	51.137	48.353	44.850	49.452	46.686	43.593	43.140	50.135	43.026	44.218	41.816	46.974	41.678	41.520	41.692
53131	35.882	42.471	37.859	35.564	33.481	36.706	34.962	32.612	32.141	37.027	31.218	32.150	30.558	34.099	30.628	30.139	30.626
531311	27.720	32.102	28.899	26.902	25.591	27.090	25.686	24.634	25.550	26.655	25.419	24.632	23.990	28.777	27.430	26.559	26.378
531312	7.677	9.382	8.245	7.848	7.277	8.381	8.032	7.210	6.576	8.735	6.136	6.964	6.378	6.280	4.981	5.082	5.418
53132	2.227	2.641	2.231	2.279	1.844	1.892	1.813	1.735	1.582	3.321	2.333	2.361	2.162	2.502	1.990	2.030	2.165
531320	2.227	2.641	2.231	2.279	1.844	1.892	1.813	1.735	1.582	3.321	2.333	2.361	2.162	2.502	1.990	2.030	2.165
53139	7.801	9.224	7.051	6.062	3.990	5.554	5.323	4.310	3.931	6.379	4.481	4.405	4.035	6.003	4.963	5.064	5.399
531390	7.801	9.224	7.051	6.062	3.990	5.554	5.323	4.310	3.931	6.379	4.481	4.405	4.035	6.003	4.963	5.064	5.399
532	32.114	34.350	32.751	30.809	30.710	34.446	32.017	27.928	31.107	23.134	23.527	42.420	22.917	176.644	44.613	29.761	34.021
5321	4.413	5.357	5.246	4.823	4.800	5.633	5.234	4.225	4.982	3.331	3.567	8.194	3.364	40.840	8.416	4.533	5.771
53211	2.235	2.731	2.683	2.451	2.454	2.838	2.644	2.095	2.528	1.617	1.757	4.244	1.668	21.886	4.405	2.299	2.989
53212	9.723	10.590	9.818	10.062	9.063	13.363	11.994	12.261	10.604	11.990	11.169	11.765	9.775	10.128	9.049	9.723	8.292
532120	9.328	10.160	9.420	9.654	8.696	12.821	11.507	11.764	10.174	11.504	10.716	11.288	9.378	9.717	8.682	9.328	7.955
5322	11.433	12.924	11.919	11.656	11.436	11.626	11.038	11.166	12.314	9.638	9.326	9.222	10.384	10.333	10.393	10.461	13.178
53221	3.767	3.767	3.487	3.381	3.464	3.230	3.309	3.229	3.501	3.605	3.631	3.478	3.503	3.661	3.574	3.370	3.698
532210	3.767	3.767	3.487	3.381	3.464	3.230	3.309	3.229	3.501	3.605	3.631	3.478	3.503	3.661	3.574	3.370	3.698
53229	5.033	6.043	5.582	5.514	5.223	5.620	5.035	5.128	5.886	3.576	3.312	3.318	4.003	3.919	3.832	3.833	5.509
5323	2.459	2.654	2.445	2.599	2.440	2.784	2.482	2.703	2.322	2.563	2.480	2.588	2.459	2.627	2.519	2.814	2.664
53231	2.459	2.654	2.445	2.599	2.440	2.784	2.482	2.703	2.322	2.563	2.480	2.588	2.459	2.627	2.519	2.814	2.664
532310	2.459	2.654	2.445	2.599	2.440	2.784	2.482	2.703	2.322	2.563	2.480	2.588	2.459	2.627	2.519	2.814	2.664
5324	68.228	51.961	46.649	45.144	46.183	47.115	43.619	42.692	41.881	38.384	35.212	35.557	34.282	42.723	42.476	48.346	36.358
533	10.391	9.305	8.139	8.614	7.884	8.771	6.622	6.162	6.428	8.611	6.021	6.358	5.707	31.399	11.725	11.507	11.686
5331	10.391	9.305	8.139	8.614	7.884	8.771	6.622	6.162	6.428	8.611	6.021	6.358	5.707	31.399	11.725	11.507	11.686
53311	10.391	9.305	8.139	8.614	7.884	8.771	6.622	6.162	6.428	8.611	6.021	6.358	5.707	31.399	11.725	11.507	11.686
533110	7.197	6.445	5.637	5.966	5.461	6.075	4.586	4.268	4.452	5.964	4.170	4.403	3.952	21.746	8.120	7.970	8.093

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
54	616.136	740.103	601.547	593.922	622.424	711.418	567.361	563.949	602.044	719.356	562.965	548.025	549.975	775.983	502.352	491.892	475.518
541	616.136	740.103	601.547	593.922	622.424	711.418	567.361	563.949	602.044	719.356	562.965	548.025	549.975	775.983	502.352	491.892	475.518
5411	300.018	497.920	318.157	308.511	311.025	501.934	300.959	295.333	292.015	504.437	296.443	301.490	290.852	471.294	297.525	283.597	262.105
54111	256.964	435.402	271.936	262.312	266.621	438.201	254.167	250.489	247.846	441.494	249.856	255.775	247.093	412.857	253.477	241.436	222.456
541110	306.293	518.986	324.139	312.667	317.804	522.322	302.958	298.575	295.424	526.247	297.821	304.876	294.527	492.112	302.136	287.784	265.160
54119	13.164	16.227	14.314	14.749	13.503	16.805	15.472	14.507	14.237	16.192	15.552	14.769	14.033	14.896	13.905	13.364	12.781
541191	13.214	15.781	14.076	14.502	13.169	15.915	14.747	13.908	13.580	15.397	14.886	14.076	13.400	14.568	13.606	13.074	12.471
541199	0.120	0.405	0.278	0.287	0.318	0.636	0.538	0.463	0.490	0.582	0.509	0.514	0.475	0.330	0.305	0.294	0.298
5412	75.348	72.839	70.555	70.422	82.627	76.086	71.015	73.309	89.543	70.720	62.030	64.814	78.528	56.020	51.038	54.267	56.671
54121	75.348	72.839	70.555	70.422	82.627	76.086	71.015	73.309	89.543	70.720	62.030	64.814	78.528	56.020	51.038	54.267	56.671
541211	51.647	54.443	49.739	49.982	46.863	54.877	46.595	46.148	45.278	44.052	39.799	39.833	37.975	41.055	36.020	38.562	36.493
541213	7.465	4.243	3.139	6.487	7.260	3.303	2.613	5.876	6.171	3.164	2.649	5.696	5.938	3.400	2.621	6.192	6.602
541214	3.910	5.167	4.488	4.466	4.606	8.785	8.500	7.687	9.833	7.147	7.023	6.134	7.372	5.840	5.288	5.097	5.645
541219	10.278	9.158	9.589	9.089	12.351	8.321	8.210	8.791	11.917	8.998	7.416	8.131	11.176	6.224	5.907	6.045	6.569
5413	183.355	201.977	161.054	160.908	160.007	187.878	152.449	149.194	151.937	170.826	146.350	147.596	136.867	285.710	131.535	131.202	122.943
54131	16.137	18.312	16.466	15.548	15.428	18.177	17.175	16.266	16.325	18.300	16.549	16.121	15.368	17.645	15.135	14.963	14.432
541310	16.137	18.312	16.466	15.548	15.428	18.177	17.175	16.266	16.325	18.300	16.549	16.121	15.368	17.645	15.135	14.963	14.432
54133	169.782	181.085	138.062	138.817	141.432	164.424	131.783	129.121	131.952	143.723	121.403	124.422	115.670	275.818	106.727	105.689	99.709
541330	169.782	181.085	138.062	138.817	141.432	164.424	131.783	129.121	131.952	143.723	121.403	124.422	115.670	275.818	106.727	105.689	99.709
54134	0.928	0.990	0.915	0.798	0.957	1.022	0.765	0.756	0.836	0.676	0.749	0.687	0.789	0.832	0.928	1.332	1.405
541340	0.928	0.990	0.915	0.798	0.957	1.022	0.765	0.756	0.836	0.676	0.749	0.687	0.789	0.832	0.928	1.332	1.405
54136	1.332	1.751	1.634	1.548	1.522	2.231	1.665	1.490	1.485	2.190	1.830	1.685	2.241	4.039	2.574	2.578	2.635
541360	1.332	1.751	1.634	1.548	1.522	2.231	1.665	1.490	1.485	2.190	1.830	1.685	2.241	4.039	2.574	2.578	2.635
54137	5.615	8.433	8.968	9.423	8.526	8.201	5.955	6.715	8.214	10.608	9.954	9.523	7.338	7.283	7.195	7.222	6.438
541370	5.615	8.433	8.968	9.423	8.526	8.201	5.955	6.715	8.214	10.608	9.954	9.523	7.338	7.283	7.195	7.222	6.438
54138	24.445	28.684	24.030	24.441	21.157	28.870	22.976	21.894	20.139	25.008	20.397	20.875	19.898	27.099	19.286	19.570	17.569
541380	24.445	28.684	24.030	24.441	21.157	28.870	22.976	21.894	20.139	25.008	20.397	20.875	19.898	27.099	19.286	19.570	17.569
5414	6.088	7.094	7.076	6.980	7.093	7.794	6.960	6.674	6.495	8.390	6.233	5.931	5.251	10.119	5.135	4.927	5.518
54143	3.058	3.564	3.555	3.507	3.866	4.248	3.748	3.710	3.631	4.718	3.237	2.942	2.850	6.967	2.920	2.924	3.297
541430	3.058	3.564	3.555	3.507	3.866	4.248	3.748	3.710	3.631	4.718	3.237	2.942	2.850	6.967	2.920	2.924	3.297
5415	115.512	130.507	117.685	113.291	118.335	95.226	92.405	88.648	93.171	110.924	93.960	76.390	86.805	96.994	90.630	87.219	86.728
54151	115.512	130.507	117.685	113.291	118.335	95.226	92.405	88.648	93.171	110.924	93.960	76.390	86.805	96.994	90.630	87.219	86.728
541511	39.265	41.906	36.279	34.925	36.617	35.225	31.835	30.896	31.547	30.370	28.569	27.143	26.266	26.708	22.372	21.870	21.929
541512	40.827	44.819	41.231	39.692	42.901	38.524	39.435	38.271	41.701	58.987	45.654	33.751	43.526	38.865	37.290	35.451	36.669
541513	24.849	27.279	25.095	24.158	26.111	23.448	24.002	23.294	25.381	35.902	27.787	20.543	28.304	31.454	40.697	37.222	38.705
541519	19.110	20.978	19.299	6.930	7.490	6.726	6.885	6.681	7.280	10.298	7.970	5.892	5.606	14.587	14.157	13.780	12.569
5416	75.808	89.176	76.568	77.450	84.583	90.334	74.039	72.770	80.357	88.410	70.289	68.809	62.686	86.853	63.690	59.214	57.422
54161	47.385	52.029	44.555	45.730	51.434	53.385	43.952	43.345	49.842	53.600	43.022	42.224	36.761	55.101	38.286	36.332	34.790
541611	24.780	25.218	21.308	22.538	27.711	27.482	21.664	21.763	26.159	23.649	21.668	21.646	18.071	29.175	18.471	17.921	17.018
541612	5.860	9.681	8.306	8.038	6.699	8.736	7.350	7.064	7.691	13.387	6.658	5.582	5.182	8.122	6.883	6.036	5.556
541613	7.585	8.070	7.342	6.926	7.092	6.643	6.328	6.715	7.171	7.783	5.852	6.472	6.227	5.893	4.078	3.905	4.434
541614	12.157	12.980	11.955	11.920	11.793	12.338	12.002	10.982	10.228	12.646	12.512	13.009	12.154	13.177	12.643	12.164	11.723
541618	2.909	2.501	2.016	2.040	2.342	2.737	2.558	2.030	2.157	2.728	2.263	2.085	2.131	3.038	2.283	2.027	2.077
54162	18.220	29.331	21.446	20.791	19.707	25.275	19.523	20.828	19.533	24.502	18.863	18.222	19.163	19.484	16.277	17.525	18.696
541620	18.220	29.331	21.446	20.791	19.707	25.275	19.523	20.828	19.533	24.502	18.863	18.222	19.163	19.484	16.277	17.525	18.696
54169	31.419	42.825	43.614	42.227	43.465	47.296	39.745	35.573	34.918	39.743	30.535	29.745	31.572	34.151	32.602	22.539	21.288
541690	30.628	41.747	42.516	41.164	42.371	46.106	38.745	34.678	34.039	38.743	29.767	28.997	30.777	33.291	31.782	21.972	20.753
5417	19.065	22.853	15.862	17.610	17.572	17.192	13.957	32.559	15.721	19.334	13.395	12.955	12.966	24.199	20.362	13.192	16.089
541712	15.825	15.873	11.638	14.559	14.352	13.724	11.564	31.560	13.934	17.724	10.937	10.799	10.846	23.571	19.696	12.491	15.746
5418	23.837	22.525	21.252	20.922	22.580	24.893	21.623	20.635	23.031	24.505	21.888	21.214	24.189	27.719	23.889	23.768	24.666
54181	6.889	6.887	5.981	6.071	6.620	7.846	6.680	6.522	7.577	8.199	6.990	7.033	8.425	9.676	8.083	8.168	8.937
541810	6.889	6.887	5.981	6.071	6.620	7.846	6.680	6.522	7.577	8.199	6.990	7.033	8.425	9.676	8.083	8.168	8.937
54182	2.218	2.214	2.045	1.972	2.000	2.244	2.044	2.024	2.041	2.451	2.355	2.042	2.133	2.964	2.309	2.257	2.045
541820	2.218	2.214	2.045	1.972	2.000	2.244	2.044	2.024	2.041	2.451	2.355	2.042	2.133	2.964	2.309	2.257	2.045
54183	5.251	3.516	3.203	3.082	4.059	3.426	3.128	2.821	3.481	3.262	2.890	2.826	3.239	3.195	2.647	2.601	2.675
541830	5.251	3.516	3.203	3.082	4.059	3.426	3.128	2.821	3.481	3.262	2.890	2.826	3.239	3.195	2.647	2.601	2.675

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
541840	0.834	0.558	0.509	0.489	0.644	0.544	0.497	0.448	0.553	0.518	0.459	0.449	0.388	0.382	0.470	0.462	0.475
54185	9.586	10.898	16.128	13.350	10.214	12.533	10.036	7.773	7.924	7.651	7.564	4.969	7.255	7.952	8.988	6.817	7.802
541850	9.586	10.898	16.128	13.350	10.214	12.533	10.036	7.773	7.924	7.651	7.564	4.969	7.255	7.952	8.988	6.817	7.802
54186	1.194	1.096	1.416	1.477	1.369	1.286	1.004	1.201	1.065	1.029	1.017	1.701	1.610	1.567	1.710	1.697	1.689
541860	1.194	1.096	1.416	1.477	1.369	1.286	1.004	1.201	1.065	1.029	1.017	1.701	1.610	1.567	1.710	1.697	1.689
5419	69.679	95.215	88.766	84.494	81.206	92.737	85.563	83.105	91.251	148.027	132.202	110.688	97.008	101.391	81.409	77.605	70.609
54192	2.109	2.627	2.226	2.164	2.328	2.694	2.169	2.183	2.226	2.702	2.293	2.398	2.774	3.734	2.876	2.475	2.567
541921	1.735	2.086	1.867	1.727	1.851	2.012	1.654	1.639	1.757	2.114	1.822	1.949	2.313	3.081	2.345	1.924	2.137
541922	0.467	0.696	0.439	0.560	0.614	0.908	0.680	0.723	0.607	0.763	0.606	0.567	0.566	0.813	0.668	0.719	0.529
54194	21.872	23.185	22.672	21.713	19.444	21.505	20.732	19.829	18.349	20.264	20.520	18.743	17.544	19.046	18.429	18.032	16.853
541940	21.872	23.185	22.672	21.713	19.444	21.505	20.732	19.829	18.349	20.264	20.520	18.743	17.544	19.046	18.429	18.032	16.853
54199	24.715	39.005	36.856	34.843	35.669	38.644	36.299	35.480	44.302	80.209	70.321	55.515	48.663	43.581	36.102	32.244	30.136
541990	24.715	39.005	36.856	34.843	35.669	38.644	36.299	35.480	44.302	80.209	70.321	55.515	48.663	43.581	36.102	32.244	30.136
55	27.464	24.748	27.188	32.246	40.545	25.916	24.808	28.957	31.368	26.561	24.697	26.081	34.743	42.137	25.452	24.223	32.284
551	27.464	24.748	27.188	32.246	40.545	25.916	24.808	28.957	31.368	26.561	24.697	26.081	34.743	42.137	25.452	24.223	32.284
5511	27.464	24.748	27.188	32.246	40.545	25.916	24.808	28.957	31.368	26.561	24.697	26.081	34.743	42.137	25.452	24.223	32.284
55111	27.464	24.748	27.188	32.246	40.545	25.916	24.808	28.957	31.368	26.561	24.697	26.081	34.743	42.137	25.452	24.223	32.284
551114	7.190	6.336	7.087	8.601	10.962	7.091	6.806	7.953	8.636	7.327	6.822	7.205	9.702	11.778	7.048	6.649	8.989
56	319.313	355.271	332.919	324.321	326.397	351.011	316.610	313.669	293.378	321.301	299.017	296.358	290.498	307.204	288.485	286.085	280.539
561	286.082	317.276	298.913	290.170	293.103	315.465	285.060	281.926	263.718	288.148	268.741	265.862	261.504	274.787	259.614	257.269	252.451
5611	31.717	35.755	34.445	30.828	35.168	29.556	24.065	23.589	28.719	34.274	23.590	25.638	28.438	32.982	24.520	25.579	26.813
56111	31.717	35.755	34.445	30.828	35.168	29.556	24.065	23.589	28.719	34.274	23.590	25.638	28.438	32.982	24.520	25.579	26.813
561110	31.717	35.755	34.445	30.828	35.168	29.556	24.065	23.589	28.719	34.274	23.590	25.638	28.438	32.982	24.520	25.579	26.813
5612	11.180	6.553	3.319	3.204	2.774	4.158	2.616	2.241	2.593	2.593	2.471	2.160	2.495	2.263	2.404	2.254	2.626
56121	11.180	6.553	3.319	3.204	2.774	4.158	2.616	2.241	2.593	2.593	2.471	2.160	2.495	2.263	2.404	2.254	2.626
561210	11.180	6.553	3.319	3.204	2.774	4.158	2.616	2.241	2.593	2.593	2.471	2.160	2.495	2.263	2.404	2.254	2.626
5613	83.796	95.951	90.865	90.833	86.120	105.755	97.638	96.171	84.505	92.419	86.256	85.883	84.301	86.384	81.660	79.843	75.598
56131	7.142	6.161	5.210	7.064	4.890	6.232	6.643	8.059	6.830	8.736	6.002	6.846	6.512	7.281	5.537	6.523	5.953
56132	62.907	77.552	73.233	71.343	68.498	90.913	86.597	83.297	71.121	75.150	72.073	68.711	64.655	70.256	71.011	66.981	63.915
561320	62.907	77.552	73.233	71.343	68.498	90.913	86.597	83.297	71.121	75.150	72.073	68.711	64.655	70.256	71.011	66.981	63.915
56133	7.204	7.841	7.535	7.512	7.260	8.048	6.982	6.919	6.369	7.119	6.696	6.925	7.170	6.772	6.017	6.035	5.683
561330	7.204	7.841	7.535	7.512	7.260	8.048	6.982	6.919	6.369	7.119	6.696	6.925	7.170	6.772	6.017	6.035	5.683
5614	32.925	36.520	34.628	33.726	36.428	34.423	33.152	32.235	34.998	35.166	34.239	32.919	35.385	34.743	34.805	33.206	36.211
56142	16.668	18.714	17.666	17.030	18.563	17.150	16.411	15.799	17.442	17.571	17.139	16.163	17.501	17.032	17.238	16.056	17.763
561421	1.651	0.834	0.837	0.831	0.855	0.662	0.750	0.660	0.698	0.600	0.640	0.533	0.608	0.577	0.632	0.511	0.559
561422	16.955	19.147	18.069	17.416	18.990	17.559	16.789	16.170	17.854	17.998	17.549	16.558	17.925	17.446	17.652	16.450	18.200
56143	3.528	3.750	3.221	3.510	3.312	3.397	3.198	3.326	2.942	3.227	3.001	3.195	2.969	3.222	3.074	3.154	3.018
561431	3.045	2.521	2.502	2.808	2.762	2.405	2.406	2.607	2.438	2.649	2.612	2.388	2.374	2.395	2.190	2.204	2.327
561439	2.016	2.255	1.884	2.041	1.908	2.023	1.883	1.942	1.697	1.865	1.711	1.884	1.726	1.902	1.829	1.884	1.768
56144	8.820	9.598	9.920	10.175	10.178	10.929	11.289	11.475	11.557	11.372	11.108	11.924	12.652	12.817	12.463	13.363	14.081
561440	8.820	9.598	9.920	10.175	10.178	10.929	11.289	11.475	11.557	11.372	11.108	11.924	12.652	12.817	12.463	13.363	14.081
56149	9.097	10.229	9.801	9.536	9.902	14.328	12.359	12.253	12.223	13.281	12.356	11.450	11.681	12.777	10.294	11.121	9.913
561491	1.129	1.269	1.216	1.012	0.828	1.540	1.329	1.317	1.314	1.428	1.328	1.231	1.495	1.635	1.613	1.552	1.376
561492	1.057	1.189	1.139	1.213	1.016	1.260	1.087	1.077	1.075	1.168	1.087	1.007	1.049	1.147	0.922	0.849	0.864
561499	1.793	2.010	1.818	1.751	2.027	3.077	2.601	2.699	2.629	2.899	2.609	2.373	2.343	2.602	1.986	2.287	1.976
5615	14.859	13.631	12.230	12.311	13.088	11.492	11.118	11.277	12.059	13.472	10.631	10.669	11.193	13.343	12.600	12.441	15.008
5616	48.026	54.789	47.564	48.507	52.355	56.523	49.655	54.179	46.448	52.442	47.977	49.280	44.154	46.378	42.787	44.652	42.504
56161	28.744	31.739	27.691	28.968	34.356	39.287	33.048	37.382	31.498	36.007	32.235	32.760	29.916	33.312	29.211	31.644	28.873
561612	21.652	24.159	21.036	21.560	19.898	21.907	19.684	22.680	18.385	19.616	20.002	19.523	17.867	17.635	16.609	16.429	15.222
56162	18.461	21.931	18.925	18.700	17.632	17.224	16.340	16.737	14.803	16.346	15.537	16.248	14.093	13.244	13.474	13.105	13.505
561621	17.227	20.499	17.685	17.492	16.462	16.071	15.272	15.748	13.865	15.315	14.584	15.306	13.176	12.343	12.574	12.234	12.704
561622	1.218	1.407	1.220	1.183	1.154	1.138	1.049	0.951	0.915	1.006	0.924	0.902	0.901	0.892	0.889	0.858	0.771
5617	48.873	61.649	60.335	58.416	47.484	58.700	58.602	56.876	45.636	53.575	54.769	52.622	42.846	53.509	50.700	52.284	41.995
56171	7.000	7.434	7.634	7.317	6.583	6.979	7.410	7.341	6.314	7.028	7.704	7.547	6.496	8.256	6.945	7.153	5.919
561710	7.000	7.434	7.634	7.317	6.583	6.979	7.410	7.341	6.314	7.028	7.704	7.547	6.496	8.256	6.945	7.153	5.919
56172	12.858	14.056	12.653	13.024	12.308	14.358	13.214	12.940	12.039	12.488	12.352	11.897	10.709	11.821	11.063	11.132	10.382

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
561720	12.858	14.056	12.653	13.024	12.308	14.358	13.214	12.940	12.039	12.488	12.352	11.897	10.709	11.821	11.063	11.132	10.382
56173	26.517	37.510	39.113	36.479	24.413	33.936	37.660	35.654	23.887	30.670	32.901	31.412	21.659	30.397	31.274	32.666	21.999
561730	26.517	37.510	39.113	36.479	24.413	33.936	37.660	35.654	23.887	30.670	32.901	31.412	21.659	30.397	31.274	32.666	21.999
56174	1.210	1.416	1.437	1.385	1.096	1.267	1.234	1.218	1.100	1.329	1.280	1.211	1.039	1.635	1.562	1.704	1.488
561740	1.210	1.416	1.437	1.385	1.096	1.267	1.234	1.218	1.100	1.329	1.280	1.211	1.039	1.635	1.562	1.704	1.488
56179	1.121	2.188	1.898	1.824	1.747	2.124	1.495	1.569	1.404	1.997	1.653	1.579	1.647	1.713	1.350	1.378	1.349
561790	1.121	2.188	1.898	1.824	1.747	2.124	1.495	1.569	1.404	1.997	1.653	1.579	1.647	1.713	1.350	1.378	1.349
5619	24.490	22.692	21.743	18.006	22.165	18.638	10.218	9.982	8.739	11.346	10.113	10.218	9.128	10.705	9.210	10.318	9.361
561990	3.741	3.456	3.304	2.730	3.372	2.826	1.534	1.498	1.310	1.704	1.518	1.537	1.373	1.617	1.389	1.560	1.414
562	37.358	44.418	37.160	39.057	36.305	38.321	33.139	34.185	31.889	36.795	32.634	33.709	30.531	37.186	30.539	30.802	29.730
5621	21.479	24.621	21.947	23.399	21.174	24.261	22.117	23.032	21.157	23.096	21.875	21.945	19.434	23.902	18.898	17.519	16.306
56211	21.479	24.621	21.947	23.399	21.174	24.261	22.117	23.032	21.157	23.096	21.875	21.945	19.434	23.902	18.898	17.519	16.306
562111	20.202	23.157	20.642	22.008	19.616	22.605	20.608	21.441	19.960	21.789	20.358	20.412	17.945	22.745	17.798	16.540	15.072
5622	6.539	7.358	6.655	7.067	8.432	6.235	5.727	5.981	6.294	5.837	5.755	5.767	5.639	6.900	6.467	6.513	7.132
56221	6.539	7.358	6.655	7.067	8.432	6.235	5.727	5.981	6.294	5.837	5.755	5.767	5.639	6.900	6.467	6.513	7.132
5629	10.339	13.251	9.778	10.002	7.965	9.626	7.299	7.327	6.391	9.505	7.023	7.828	6.991	8.339	6.582	7.623	6.969
56291	5.942	8.212	5.349	5.520	4.228	5.018	3.577	3.330	2.802	5.115	3.355	3.843	3.479	4.403	3.052	3.469	3.178
562910	5.942	8.212	5.349	5.520	4.228	5.018	3.577	3.330	2.802	5.115	3.355	3.843	3.479	4.403	3.052	3.469	3.178
56A	291.295	323.292	304.317	293.855	296.791	320.516	288.766	284.656	265.927	292.369	271.387	268.646	265.425	276.402	263.120	262.053	257.100
61	16.194	17.338	16.288	16.534	15.916	16.442	15.364	15.700	14.962	15.482	14.378	14.789	14.255	15.431	14.390	14.570	13.927
611	16.194	17.338	16.288	16.534	15.916	16.442	15.364	15.700	14.962	15.482	14.378	14.789	14.255	15.431	14.390	14.570	13.927
6114	3.250	4.388	4.341	4.358	4.507	4.314	4.463	4.538	4.734	4.198	4.073	3.689	4.235	4.435	4.393	3.763	4.230
61143	3.667	5.182	5.204	5.292	5.481	5.169	5.323	5.447	5.766	5.201	5.012	4.472	5.165	5.470	5.441	4.632	5.151
611430	3.667	5.182	5.204	5.292	5.481	5.169	5.323	5.447	5.766	5.201	5.012	4.472	5.165	5.470	5.441	4.632	5.151
6115	5.629	6.412	6.508	6.045	5.657	6.456	5.742	5.651	5.442	6.087	5.701	5.333	5.109	6.396	6.162	6.041	5.504
61151	5.629	6.412	6.508	6.045	5.657	6.456	5.742	5.651	5.442	6.087	5.701	5.333	5.109	6.396	6.162	6.041	5.504
611511	0.515	0.497	0.504	0.539	0.532	0.607	0.540	0.531	0.383	0.511	0.606	0.448	0.385	0.476	0.400	0.416	0.360
611512	4.153	4.090	4.880	4.089	4.727	5.028	4.643	4.239	4.635	4.643	4.742	4.192	4.565	6.821	5.740	5.270	4.551
611513	0.349	0.259	0.309	0.330	0.352	0.375	0.346	0.316	0.304	0.345	0.304	0.312	0.295	0.352	0.296	0.305	0.263
611519	3.869	4.892	4.624	4.486	3.603	4.399	3.738	3.872	3.450	4.159	3.548	3.545	3.056	4.004	3.658	3.795	3.598
6116	4.547	4.708	4.352	4.194	4.242	4.173	4.003	3.817	4.003	4.666	3.903	3.593	3.735	4.419	3.542	3.329	3.467
61161	1.264	1.217	1.125	1.454	1.471	1.211	1.162	1.343	1.408	1.733	1.239	1.140	1.186	1.240	0.994	1.237	1.288
611610	1.028	0.989	0.914	1.182	1.196	0.985	0.945	1.092	1.145	1.409	1.007	0.927	0.964	1.008	0.808	1.006	1.047
61169	3.812	3.906	3.854	3.472	3.191	3.259	3.230	2.916	2.792	3.046	3.150	2.713	2.542	2.750	2.692	2.284	2.205
611691	2.116	1.660	1.620	1.510	1.361	1.203	1.200	1.191	1.112	1.129	1.225	1.111	1.084	1.057	1.041	0.859	0.793
62	1142.924	1343.796	1224.004	1132.705	1127.284	1234.420	1195.577	1116.576	1091.195	1179.894	1144.833	1074.062	1051.441	1175.813	1116.599	1054.577	1027.484
621	499.225	576.196	509.483	479.436	458.287	522.107	470.361	448.821	420.560	510.250	456.415	444.540	409.845	525.397	457.778	444.017	411.491
6211	263.339	300.963	263.399	240.106	231.753	282.790	254.097	235.990	220.231	279.226	244.013	231.853	210.404	287.752	246.659	234.837	213.386
62111	263.339	300.963	263.399	240.106	231.753	282.790	254.097	235.990	220.231	279.226	244.013	231.853	210.404	287.752	246.659	234.837	213.386
621111	260.224	297.336	259.907	237.132	228.458	279.194	250.379	232.640	216.582	277.998	242.984	230.879	209.460	286.458	245.578	233.748	212.255
621112	3.291	3.835	3.706	3.148	3.505	3.810	3.959	3.563	3.901	1.207	1.007	0.953	0.930	1.276	1.062	1.077	1.135
6212	59.888	69.154	62.313	61.549	56.788	66.045	58.533	58.732	54.627	62.728	56.601	56.276	52.773	64.555	55.084	55.081	52.621
62121	59.888	69.154	62.313	61.549	56.788	66.045	58.533	58.732	54.627	62.728	56.601	56.276	52.773	64.555	55.084	55.081	52.621
621210	59.888	69.154	62.313	61.549	56.788	66.045	58.533	58.732	54.627	62.728	56.601	56.276	52.773	64.555	55.084	55.081	52.621
6213	53.216	59.141	52.848	50.253	47.889	50.882	46.005	45.282	43.204	46.204	40.996	42.135	39.294	46.189	38.444	37.488	34.874
62131	11.154	13.503	11.545	10.401	9.722	11.928	10.102	9.916	9.256	11.749	9.472	9.490	8.779	11.287	9.238	9.228	8.780
621310	11.154	13.503	11.545	10.401	9.722	11.928	10.102	9.916	9.256	11.749	9.472	9.490	8.779	11.287	9.238	9.228	8.780
62132	16.474	18.169	15.168	13.779	12.108	14.670	11.236	11.850	10.392	12.608	10.191	11.364	9.555	12.221	10.018	10.648	9.291
621320	16.474	18.169	15.168	13.779	12.108	14.670	11.236	11.850	10.392	12.608	10.191	11.364	9.555	12.221	10.018	10.648	9.291
62133	3.345	4.372	3.485	3.555	2.963	3.452	3.195	3.122	2.662	3.198	3.007	2.571	2.329	2.770	2.076	2.038	2.010
621330	3.345	4.372	3.485	3.555	2.963	3.452	3.195	3.122	2.662	3.198	3.007	2.571	2.329	2.770	2.076	2.038	2.010
62134	14.593	17.663	16.608	16.046	15.245	15.687	15.378	15.104	15.092	14.440	13.899	14.297	13.940	13.334	12.981	12.447	11.850
621340	13.536	16.384	15.405	14.885	14.141	14.551	14.265	14.010	13.999	13.395	12.893	13.262	12.931	12.368	12.041	11.546	10.992
62139	7.067	5.977	5.465	5.370	5.811	5.114	4.667	4.335	4.146	4.355	3.667	3.737	3.444	5.784	3.476	3.128	2.795
621391	1.764	0.355	0.556	0.733	0.711	0.545	0.608	0.539	0.583	0.541	0.603	0.523	0.552	0.505	0.587	0.544	0.618
621399	5.546	5.355	4.761	4.569	4.993	4.441	3.988	3.720	3.517	3.737	3.060	3.172	2.882	5.088	2.892	2.593	2.240

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
6214	59.769	65.053	57.535	53.397	50.581	51.820	44.245	44.398	40.204	45.246	42.076	41.406	40.168	43.172	38.435	38.295	36.198
62142	9.546	8.840	8.585	8.011	7.982	7.584	7.179	6.838	6.453	6.525	7.475	7.311	7.154	7.176	6.388	6.535	6.177
621420	9.546	8.840	8.585	8.011	7.982	7.584	7.179	6.838	6.453	6.525	7.475	7.311	7.154	7.176	6.388	6.535	6.177
62149	43.922	51.143	43.364	40.303	37.097	39.624	31.878	32.747	28.612	34.278	28.331	28.298	26.535	31.120	26.207	27.749	25.706
621492	12.253	16.032	13.594	12.634	11.629	12.421	9.261	11.096	8.678	10.023	7.671	8.629	7.577	8.806	6.836	8.087	6.629
621493	13.173	11.698	9.859	7.791	7.313	9.777	7.290	8.734	6.831	7.889	7.069	6.746	6.677	7.732	7.108	7.029	7.387
621498	20.442	28.486	26.149	22.028	21.358	26.045	20.186	19.481	17.090	20.326	16.574	15.744	14.804	17.694	14.520	15.132	13.479
6215	56.807	85.001	67.894	71.769	64.020	34.471	32.438	30.074	26.451	32.107	27.250	27.356	24.869	29.878	26.593	26.275	24.692
62151	56.807	85.001	67.894	71.769	64.020	34.471	32.438	30.074	26.451	32.107	27.250	27.356	24.869	29.878	26.593	26.275	24.692
621511	51.255	85.256	65.107	69.792	59.567	20.769	18.468	16.429	12.449	19.737	14.089	15.333	12.463	18.648	14.100	15.180	13.749
621512	13.228	14.421	13.395	13.552	13.776	14.511	14.331	13.721	13.323	13.270	12.933	12.238	12.051	12.173	12.401	11.469	11.102
6216	26.302	30.592	29.257	29.534	29.452	32.299	29.743	30.468	30.252	34.179	34.410	35.413	34.183	36.685	36.406	36.719	35.378
62161	26.302	30.592	29.257	29.534	29.452	32.299	29.743	30.468	30.252	34.179	34.410	35.413	34.183	36.685	36.406	36.719	35.378
621610	26.302	30.592	29.257	29.534	29.452	32.299	29.743	30.468	30.252	34.179	34.410	35.413	34.183	36.685	36.406	36.719	35.378
6219	14.558	16.550	16.267	16.730	15.714	15.589	15.103	15.536	14.771	15.820	15.951	16.995	16.067	17.686	16.697	17.433	17.528
62191	9.410	10.307	11.048	9.455	10.363	9.512	9.532	7.829	8.691	9.455	10.403	9.062	10.829	8.855	9.060	7.805	8.955
621910	9.410	10.307	11.048	9.455	10.363	9.512	9.532	7.829	8.691	9.455	10.403	9.062	10.829	8.855	9.060	7.805	8.955
62199	6.247	7.288	6.727	7.825	6.646	6.958	6.590	7.720	6.746	7.155	6.800	8.208	6.683	8.815	7.989	9.128	8.651
621991	4.535	5.682	5.151	5.225	5.047	5.295	5.015	5.060	5.021	5.325	5.046	5.296	5.153	6.964	6.786	6.660	7.958
621999	1.138	1.257	1.178	1.508	1.171	1.224	1.159	1.505	1.207	1.280	1.219	1.615	1.164	1.505	1.278	1.657	1.274
622	451.671	557.728	521.657	464.547	491.613	519.478	547.945	490.611	507.686	496.199	532.468	474.766	496.639	482.465	508.631	458.479	473.261
6221	432.365	535.498	503.250	449.163	471.213	502.011	512.056	471.915	478.518	474.246	494.881	456.735	472.512	467.977	475.523	447.982	458.019
62211	432.365	535.498	503.250	449.163	471.213	502.011	512.056	471.915	478.518	474.246	494.881	456.735	472.512	467.977	475.523	447.982	458.019
622110	420.185	520.413	489.073	436.510	457.939	487.869	497.631	458.621	465.038	460.887	480.941	443.869	459.202	454.794	462.128	435.362	445.116
623	108.726	118.519	111.599	108.178	104.873	111.259	109.341	106.340	100.362	95.822	95.540	90.830	91.339	93.372	92.856	92.074	91.140
6231	68.430	71.897	70.628	69.553	66.204	64.248	62.900	60.960	55.522	49.413	51.339	45.526	46.325	47.413	50.263	50.278	48.354
62311	68.430	71.897	70.628	69.553	66.204	64.248	62.900	60.960	55.522	49.413	51.339	45.526	46.325	47.413	50.263	50.278	48.354
623110	68.430	71.897	70.628	69.553	66.204	64.248	62.900	60.960	55.522	49.413	51.339	45.526	46.325	47.413	50.263	50.278	48.354
6232	15.997	17.657	16.764	15.753	16.291	19.509	19.481	19.266	19.067	19.876	19.746	19.464	19.719	20.321	19.525	19.428	19.383
62321	9.809	10.827	10.297	10.161	10.044	10.899	10.709	10.905	10.442	11.561	11.236	11.190	11.163	11.979	11.046	11.311	11.072
623210	9.809	10.827	10.297	10.161	10.044	10.899	10.709	10.905	10.442	11.561	11.236	11.190	11.163	11.979	11.046	11.311	11.072
62322	3.481	3.843	3.640	3.200	3.520	4.731	4.803	4.607	4.720	4.611	4.694	4.576	4.715	4.642	4.672	4.502	4.589
623220	3.481	3.843	3.640	3.200	3.520	4.731	4.803	4.607	4.720	4.611	4.694	4.576	4.715	4.642	4.672	4.502	4.589
6233	29.546	33.836	30.781	29.755	28.350	30.157	28.941	27.646	26.223	24.058	23.088	22.646	22.432	22.509	21.857	20.946	21.844
62331	29.546	33.836	30.781	29.755	28.350	30.157	28.941	27.646	26.223	24.058	23.088	22.646	22.432	22.509	21.857	20.946	21.844
623311	19.833	23.045	20.759	20.141	19.159	20.700	19.735	18.637	17.856	15.858	15.418	14.809	14.993	13.673	13.311	12.680	13.365
623312	7.633	7.831	7.684	7.227	6.970	6.541	6.631	6.924	6.079	7.011	6.181	6.925	5.971	9.746	9.370	9.187	9.194
6239	4.425	4.591	3.494	3.509	3.178	3.674	3.946	3.975	3.587	4.065	3.803	3.897	3.731	3.939	3.570	3.846	3.414
62399	4.425	4.591	3.494	3.509	3.178	3.674	3.946	3.975	3.587	4.065	3.803	3.897	3.731	3.939	3.570	3.846	3.414
623990	4.425	4.591	3.494	3.509	3.178	3.674	3.946	3.975	3.587	4.065	3.803	3.897	3.731	3.939	3.570	3.846	3.414
624	90.188	101.654	96.270	92.571	90.230	93.693	91.438	90.365	87.131	84.025	79.491	76.723	74.705	74.776	71.510	70.225	68.637
6241	55.590	65.614	61.419	58.688	58.891	60.293	58.815	57.792	56.529	54.812	50.973	49.123	48.672	45.185	43.465	42.931	41.963
62411	6.672	7.244	6.852	6.758	6.684	6.063	6.487	6.227	6.434	6.510	6.308	5.650	5.794	4.895	4.843	4.409	4.475
624110	6.672	7.244	6.852	6.758	6.684	6.063	6.487	6.227	6.434	6.510	6.308	5.650	5.794	4.895	4.843	4.409	4.475
62412	24.050	24.865	25.641	23.242	26.033	24.838	24.412	22.765	23.851	19.444	18.219	17.186	17.342	13.327	13.610	12.927	13.943
624120	24.050	24.865	25.641	23.242	26.033	24.838	24.412	22.765	23.851	19.444	18.219	17.186	17.342	13.327	13.610	12.927	13.943
62419	29.516	37.500	33.588	32.708	31.224	33.691	32.309	32.615	30.660	31.790	29.283	28.781	28.171	28.239	26.572	26.853	25.314
624190	29.516	37.500	33.588	32.708	31.224	33.691	32.309	32.615	30.660	31.790	29.283	28.781	28.171	28.239	26.572	26.853	25.314
6242	21.375	22.943	22.552	20.862	20.328	21.753	21.930	19.697	20.279	13.877	14.415	11.469	12.026	17.758	16.584	13.701	16.241
6243	18.842	22.225	20.331	21.552	18.018	19.939	18.092	20.266	17.956	16.965	13.802	12.304	12.424	14.780	13.210	13.136	12.531
62431	18.842	22.225	20.331	21.552	18.018	19.939	18.092	20.266	17.956	16.965	13.802	12.304	12.424	14.780	13.210	13.136	12.531
624310	18.842	22.225	20.331	21.552	18.018	19.939	18.092	20.266	17.956	16.965	13.802	12.304	12.424	14.780	13.210	13.136	12.531
6244	17.165	16.408	16.170	15.748	14.321	15.225	14.967	15.287	13.803	15.222	15.412	16.130	14.383	15.385	14.829	15.234	13.891
62441	17.165	16.408	16.170	15.748	14.321	15.225	14.967	15.287	13.803	15.222	15.412	16.130	14.383	15.385	14.829	15.234	13.891
624410	17.165	16.408	16.170	15.748	14.321	15.225	14.967	15.287	13.803	15.222	15.412	16.130	14.383	15.385	14.829	15.234	13.891
71	180.701	191.090	177.119	170.964	150.279	204.840	166.652	160.229	150.572	161.165	155.445	149.933	148.262	152.386	151.304	146.708	141.632

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
711	90.239	140.853	108.798	101.757	85.819	136.505	100.726	90.073	82.372	118.512	74.489	73.964	70.100	92.095	73.317	72.607	74.319
7112	23.171	28.209	37.475	33.932	24.729	27.647	35.513	29.354	22.352	20.068	18.342	19.338	15.139	16.354	17.274	18.325	14.745
71121	23.171	28.209	37.475	33.932	24.729	27.647	35.513	29.354	22.352	20.068	18.342	19.338	15.139	16.354	17.274	18.325	14.745
7113	2.605	7.340	3.174	3.001	2.434	6.445	3.026	2.826	2.321	6.663	2.867	2.884	2.610	5.853	3.165	3.204	2.725
71131	0.459	0.587	0.473	0.457	0.418	0.540	0.443	0.447	0.422	0.650	0.445	0.467	0.413	0.692	0.387	0.479	0.373
711310	0.459	0.587	0.473	0.457	0.418	0.540	0.443	0.447	0.422	0.650	0.445	0.467	0.413	0.692	0.387	0.479	0.373
71132	2.600	8.389	3.299	3.104	2.447	7.331	3.157	2.898	2.298	7.439	2.953	2.941	2.676	6.353	3.417	3.327	2.881
711320	2.600	8.389	3.299	3.104	2.447	7.331	3.157	2.898	2.298	7.439	2.953	2.941	2.676	6.353	3.417	3.327	2.881
7114	0.060	0.193	0.209	0.183	0.181	0.473	0.204	0.112	0.104	0.094	0.115	0.157	0.136	0.124	0.107	0.093	0.101
71141	0.060	0.193	0.209	0.183	0.181	0.473	0.204	0.112	0.104	0.094	0.115	0.157	0.136	0.124	0.107	0.093	0.101
711410	0.060	0.193	0.209	0.183	0.181	0.473	0.204	0.112	0.104	0.094	0.115	0.157	0.136	0.124	0.107	0.093	0.101
712	7.430	8.872	7.805	8.498	7.464	8.718	7.140	7.915	6.715	7.749	6.548	7.214	6.092	6.922	6.073	6.970	5.813
7121	7.430	8.872	7.805	8.498	7.464	8.718	7.140	7.915	6.715	7.749	6.548	7.214	6.092	6.922	6.073	6.970	5.813
713	144.902	134.638	133.499	127.134	113.016	151.636	126.775	121.116	116.731	112.862	125.266	117.446	120.256	114.765	122.537	115.101	112.371
7139	12.669	12.269	12.728	11.763	9.832	10.905	11.631	11.088	9.488	10.311	12.169	11.346	9.975	10.760	12.204	11.277	9.353
71391	8.267	10.147	10.716	9.512	7.941	9.569	10.053	9.327	7.963	8.965	9.912	9.393	8.040	9.186	10.125	9.442	7.961
713910	8.267	10.147	10.716	9.512	7.941	9.569	10.053	9.327	7.963	8.965	9.912	9.393	8.040	9.186	10.125	9.442	7.961
71393	0.693	0.699	0.988	0.946	0.610	0.960	1.008	0.863	0.755	0.850	1.389	1.152	0.692	1.243	1.279	1.366	0.708
713930	0.693	0.699	0.988	0.946	0.610	0.960	1.008	0.863	0.755	0.850	1.389	1.152	0.692	1.243	1.279	1.366	0.708
71394	13.563	10.947	11.193	10.773	9.561	10.305	10.828	10.783	9.359	10.292	11.281	10.650	10.447	10.750	11.510	10.808	9.209
713940	13.443	10.851	11.094	10.678	9.477	10.214	10.732	10.688	9.277	10.201	11.181	10.556	10.355	10.655	11.408	10.713	9.127
71395	5.574	5.945	6.152	5.921	3.555	2.938	3.087	2.513	2.180	2.398	2.677	2.369	2.935	2.524	2.607	2.241	2.673
713950	5.574	5.945	6.152	5.921	3.555	2.938	3.087	2.513	2.180	2.398	2.677	2.369	2.935	2.524	2.607	2.241	2.673
71399	6.038	5.534	5.361	4.468	4.324	4.783	5.771	5.617	3.683	3.702	7.866	6.986	3.261	3.737	7.192	5.958	3.558
713990	7.950	7.287	7.060	5.883	5.694	6.298	7.599	7.396	4.849	4.874	10.357	9.199	4.294	4.921	9.470	7.846	4.686
72	380.020	408.252	397.802	393.127	366.521	374.402	370.027	367.086	342.529	348.851	352.191	345.461	330.113	339.529	337.300	342.482	327.809
721	84.454	102.741	93.098	93.528	89.623	83.038	84.291	79.061	77.804	82.420	80.796	80.952	81.304	83.845	84.063	81.243	81.091
7211	69.133	83.994	76.285	76.691	73.525	67.947	69.055	64.720	63.728	67.219	66.153	66.064	66.491	67.960	68.128	65.824	65.795
72111	50.188	61.048	55.512	55.890	53.560	49.380	50.333	46.987	46.256	48.797	48.113	47.974	48.473	49.421	49.710	47.911	48.006
721110	50.188	61.048	55.512	55.890	53.560	49.380	50.333	46.987	46.256	48.797	48.113	47.974	48.473	49.421	49.710	47.911	48.006
72119	0.696	0.798	0.679	0.628	0.617	0.648	0.559	0.650	0.647	0.678	0.607	0.656	0.532	0.627	0.517	0.579	0.500
721191	0.337	0.421	0.289	0.267	0.263	0.276	0.238	0.277	0.270	0.295	0.228	0.246	0.200	0.250	0.206	0.213	0.184
721199	0.327	0.329	0.371	0.343	0.337	0.354	0.305	0.355	0.361	0.362	0.371	0.402	0.326	0.364	0.300	0.359	0.311
722	296.956	313.977	308.882	304.612	282.980	292.636	288.284	287.906	266.954	270.547	274.149	268.198	254.626	261.794	259.754	265.470	252.699
7223	10.274	12.567	12.350	11.254	9.988	12.949	12.553	11.797	11.588	10.984	10.998	10.858	10.945	11.398	11.242	11.075	10.729
72231	9.408	11.232	10.115	9.181	9.251	10.410	10.091	10.677	10.488	9.642	9.655	10.107	10.187	10.049	9.502	8.985	10.161
722310	9.408	11.232	10.115	9.181	9.251	10.410	10.091	10.677	10.488	9.642	9.655	10.107	10.187	10.049	9.502	8.985	10.161
7224	10.665	10.467	10.126	10.422	9.595	8.577	8.335	8.256	7.435	7.384	7.628	7.729	7.058	7.518	7.329	7.592	7.634
72241	10.665	10.467	10.126	10.422	9.595	8.577	8.335	8.256	7.435	7.384	7.628	7.729	7.058	7.518	7.329	7.592	7.634
722410	10.665	10.467	10.126	10.422	9.595	8.577	8.335	8.256	7.435	7.384	7.628	7.729	7.058	7.518	7.329	7.592	7.634
81	204.017	234.950	220.004	214.917	203.786	223.368	214.587	207.197	200.482	216.013	206.734	201.775	195.306	213.769	206.764	203.627	195.120
811	75.025	88.733	83.960	79.603	76.929	83.915	80.270	77.630	76.317	82.926	77.931	74.698	74.266	92.474	83.027	79.767	75.701
8111	48.412	54.551	50.935	50.763	45.336	50.682	47.909	48.437	44.541	48.789	46.446	45.583	43.604	49.198	45.108	45.982	42.823
81111	20.900	22.997	22.069	21.901	19.507	21.668	20.424	20.447	19.264	20.386	19.589	19.109	18.311	21.863	20.164	20.082	18.910
811111	19.138	20.511	19.994	19.527	17.468	18.325	18.003	17.706	16.866	17.418	17.170	16.416	15.725	18.648	18.254	17.920	16.755
811112	0.703	0.743	0.730	0.776	0.703	0.330	0.284	0.302	0.236	0.258	0.231	0.250	0.226	0.272	0.209	0.203	0.184
811113	1.619	1.602	1.665	1.929	1.745	1.997	1.691	1.907	1.612	1.737	1.587	1.802	1.780	1.550	1.498	1.653	1.669
811118	0.544	0.728	0.623	0.628	0.539	0.932	0.775	0.804	0.760	0.877	0.778	0.783	0.750	0.983	0.720	0.747	0.715
81112	21.097	24.223	21.844	21.813	19.423	21.915	20.529	20.820	19.378	21.488	20.102	20.284	19.337	20.106	18.233	19.174	18.094
811121	13.048	14.852	13.277	13.250	11.876	13.429	12.472	12.590	11.763	12.595	11.876	11.870	11.406	11.782	10.636	11.173	10.746
811122	2.840	3.613	3.575	3.592	2.987	3.290	3.376	3.583	3.211	4.783	4.220	4.566	4.110	4.484	4.198	4.448	3.646
81119	6.526	7.530	7.078	7.112	6.451	7.183	7.003	7.227	5.996	7.060	6.833	6.364	6.109	7.115	6.573	6.683	5.822
811191	3.402	3.926	3.690	3.707	3.363	3.925	3.644	4.051	3.424	3.791	3.592	3.792	3.161	3.934	3.585	3.712	3.317
811192	3.081	3.398	3.377	3.253	3.122	3.165	3.450	3.360	2.644	3.045	3.187	2.612	2.828	3.158	2.960	2.989	2.527
811198	0.191	0.211	0.210	0.202	0.194	0.307	0.187	0.209	0.220	0.345	0.250	0.279	0.245	0.283	0.255	0.252	0.233
8112	3.170	4.217	3.436	3.228	3.494	3.835	3.640	3.461	4.136	4.959	4.277	3.966	4.413	4.342	4.631	3.965	4.227

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
81121	3.170	4.217	3.436	3.228	3.494	3.835	3.640	3.461	4.136	4.959	4.277	3.966	4.413	4.342	4.631	3.965	4.227
811212	0.893	1.004	1.035	0.809	0.830	0.825	0.812	0.832	0.728	0.850	0.744	0.741	0.728	1.096	1.002	1.010	0.930
811219	2.854	3.850	3.070	2.930	3.158	3.496	3.279	3.103	3.792	4.572	3.905	3.605	4.051	3.868	4.179	3.515	3.789
8113	24.175	30.164	29.952	26.207	27.944	29.594	28.057	25.527	25.603	26.728	24.722	23.367	23.853	39.070	30.507	28.438	26.283
81131	24.175	30.164	29.952	26.207	27.944	29.594	28.057	25.527	25.603	26.728	24.722	23.367	23.853	39.070	30.507	28.438	26.283
811310	24.175	30.164	29.952	26.207	27.944	29.594	28.057	25.527	25.603	26.728	24.722	23.367	23.853	39.070	30.507	28.438	26.283
8114	1.499	1.726	1.895	1.722	1.695	1.721	1.914	1.742	1.860	1.829	1.982	1.792	1.714	1.900	2.138	1.930	1.887
81141	0.377	0.458	0.506	0.472	0.459	0.432	0.513	0.439	0.519	0.480	0.535	0.467	0.461	0.515	0.649	0.567	0.535
81142	0.331	0.401	0.444	0.414	0.402	0.379	0.450	0.385	0.455	0.421	0.469	0.429	0.375	0.378	0.423	0.415	0.427
811420	0.331	0.401	0.444	0.414	0.402	0.379	0.450	0.385	0.455	0.421	0.469	0.429	0.375	0.378	0.423	0.415	0.427
81149	1.553	1.700	2.003	1.602	1.697	1.901	1.949	1.876	1.879	1.949	1.746	1.676	1.638	1.941	1.685	1.525	1.548
811490	1.197	1.311	1.544	1.235	1.309	1.466	1.503	1.447	1.449	1.503	1.346	1.293	1.263	1.496	1.300	1.176	1.194
812	45.829	51.594	48.541	48.615	45.455	49.312	47.688	47.210	44.766	47.721	45.612	45.650	42.422	45.676	43.065	44.148	42.063
8121	14.634	16.839	15.671	16.031	14.339	15.460	14.685	14.986	13.637	14.657	13.631	13.718	12.639	13.568	12.827	12.768	12.295
81211	11.106	12.438	11.857	12.085	11.049	10.977	11.076	11.191	10.487	10.475	10.134	10.041	9.322	9.702	9.574	9.522	9.217
812111	0.477	0.490	0.422	0.407	0.374	0.386	0.331	0.313	0.213	0.207	0.169	0.220	0.163	0.183	0.209	0.199	0.191
812112	9.250	10.554	10.158	10.303	9.728	9.639	9.483	9.645	9.389	9.347	9.174	9.135	8.671	8.977	8.805	8.740	8.595
812113	1.466	1.483	1.368	1.487	1.005	1.006	1.381	1.352	0.983	1.027	0.890	0.753	0.542	0.598	0.611	0.638	0.467
81219	3.637	4.507	3.930	4.061	3.406	4.554	3.714	3.896	3.260	4.253	3.587	3.758	3.395	3.933	3.339	3.331	3.164
812191	0.600	0.743	0.517	0.534	0.448	0.599	0.544	0.570	0.477	0.964	0.813	1.025	0.789	0.914	0.867	0.876	0.924
812199	2.937	3.640	3.268	3.377	2.833	3.788	3.050	3.199	2.676	3.247	2.738	2.744	2.578	2.986	2.469	2.456	2.266
8122	7.224	7.996	7.944	7.845	7.465	7.743	7.444	7.604	7.313	7.511	7.376	7.461	6.960	7.896	7.189	7.984	7.038
81221	6.173	6.834	6.854	6.763	6.434	6.625	6.254	6.279	6.008	6.309	5.873	6.052	5.913	6.312	5.758	6.242	5.745
812210	5.864	6.493	6.511	6.425	6.113	6.295	5.942	5.965	5.708	5.994	5.579	5.750	5.618	5.997	5.470	5.930	5.458
81222	0.991	1.095	1.034	1.025	0.977	1.054	1.112	1.229	1.208	1.122	1.377	1.298	0.984	1.453	1.314	1.589	1.194
812220	0.991	1.095	1.034	1.025	0.977	1.054	1.112	1.229	1.208	1.122	1.377	1.298	0.984	1.453	1.314	1.589	1.194
8123	13.785	15.130	14.124	14.249	13.687	14.909	14.384	13.891	13.488	14.360	13.814	13.927	13.261	14.285	13.650	13.950	13.621
81231	2.350	2.414	2.260	2.448	2.195	2.517	2.361	2.188	1.858	1.862	1.638	1.643	1.381	1.508	1.441	1.621	1.583
812310	2.208	2.268	2.123	2.300	2.062	2.365	2.219	2.056	1.745	1.750	1.539	1.544	1.298	1.417	1.354	1.523	1.487
81232	3.784	4.332	4.102	4.304	3.974	4.286	4.154	4.320	4.042	4.344	4.245	4.429	4.130	4.496	4.318	4.599	4.514
812320	3.718	4.257	4.031	4.230	3.905	4.212	4.082	4.246	3.972	4.269	4.172	4.352	4.059	4.419	4.244	4.520	4.436
81233	8.492	9.260	8.600	8.486	8.333	9.055	8.750	8.266	8.247	8.800	8.481	8.446	8.181	8.710	8.365	8.353	8.198
8129	10.470	12.097	11.353	10.669	10.271	11.693	11.949	11.377	11.080	12.017	11.748	11.290	9.997	10.265	9.589	9.794	9.183
81291	2.247	2.596	2.526	2.340	2.199	2.180	2.400	2.088	2.078	1.953	2.097	1.943	1.837	1.834	1.755	1.708	1.627
812910	2.247	2.596	2.526	2.340	2.199	2.180	2.400	2.088	2.078	1.953	2.097	1.943	1.837	1.834	1.755	1.708	1.627
81293	3.020	3.532	3.082	3.041	3.156	3.839	3.774	3.716	3.635	4.048	3.985	3.710	3.243	3.289	3.187	3.221	3.115
812930	3.020	3.532	3.082	3.041	3.156	3.839	3.774	3.716	3.635	4.048	3.985	3.710	3.243	3.289	3.187	3.221	3.115
813	82.399	94.141	86.666	85.710	80.576	88.520	85.370	79.736	77.769	83.181	82.105	79.592	77.431	79.858	78.928	77.095	75.547
8132	74.564	85.072	71.494	81.192	72.975	82.998	77.112	66.719	64.864	81.183	68.423	72.053	66.576	67.772	57.936	63.268	61.828
81321	74.564	85.072	71.494	81.192	72.975	82.998	77.112	66.719	64.864	81.183	68.423	72.053	66.576	67.772	57.936	63.268	61.828
813211	81.984	104.148	87.881	103.869	91.956	104.434	101.626	79.130	78.193	98.851	86.671	91.345	84.743	80.886	73.189	80.728	80.292
813212	8.429	6.019	5.079	6.003	5.314	6.035	5.873	4.573	3.789	5.347	3.896	4.408	3.618	4.698	3.276	3.831	3.339
813219	5.594	7.005	5.911	6.986	6.185	7.024	6.835	5.322	5.247	6.061	4.729	4.810	4.605	5.276	4.056	4.137	3.960
8133	9.148	10.380	9.357	9.283	9.370	9.875	9.302	8.998	9.019	8.298	7.838	7.510	7.653	7.630	8.135	8.091	8.087
81331	9.148	10.380	9.357	9.283	9.370	9.875	9.302	8.998	9.019	8.298	7.838	7.510	7.653	7.630	8.135	8.091	8.087
813319	4.385	4.987	4.607	4.632	4.672	4.792	4.498	4.342	4.380	4.040	3.780	3.608	3.730	3.659	4.048	4.025	4.016
8134	6.704	7.505	8.405	7.324	6.803	6.795	8.341	7.350	6.868	6.599	8.028	7.477	7.013	6.880	8.051	7.735	7.210
81341	6.704	7.505	8.405	7.324	6.803	6.795	8.341	7.350	6.868	6.599	8.028	7.477	7.013	6.880	8.051	7.735	7.210
813410	6.567	7.351	8.232	7.173	6.663	6.655	8.170	7.199	6.727	6.463	7.863	7.323	6.869	6.738	7.886	7.576	7.062
8139	25.247	28.909	26.414	25.619	23.966	26.992	24.946	24.055	23.223	24.989	25.363	24.132	23.634	24.841	24.273	22.676	22.410
81391	15.475	15.369	14.223	14.241	13.970	15.629	13.694	13.624	13.208	14.085	13.724	13.931	13.863	14.956	13.853	13.138	13.099
813910	15.475	15.369	14.223	14.241	13.970	15.629	13.694	13.624	13.208	14.085	13.724	13.931	13.863	14.956	13.853	13.138	13.099
81392	6.409	9.212	8.526	8.537	8.374	9.369	8.208	7.406	7.180	7.751	7.004	7.110	7.075	8.551	7.920	6.673	6.653
813920	6.409	9.212	8.526	8.537	8.374	9.369	8.208	7.406	7.180	7.751	7.004	7.110	7.075	8.551	7.920	6.673	6.653

Method 7. We first compute the revenues-to-payroll ratio from 2012 Economic Census' for Tulsa MSA, Tulsa County, and the state of Oklahoma. We then compute the panel median of these ratios. Using the only overlapping year, 2012, we incorporate quarterly seasonal patterns of payrolls (from Quarterly Census of Employment and Wages) to adjust the 2012 revenues-to-payroll ratio. This generates four quarterly seasonally adjusted revenues-to-payroll ratio. We then use these new seasonally corrected revenues-to-payroll ratio to estimate revenues from adjust the quarterly payrolls. To generate upper (lower) 75%ile, we then add (subtract) one standard deviation and repeat the procedure. This method generates one median estimate and two upper/lower estimates. The following table reports this estimate.

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
51	38.869	42.086	41.317	41.758	37.005	46.026	43.035	45.676	41.642	44.705	43.439	51.973	37.034	43.637	43.637	43.637	43.637
511	40.540	41.821	40.096	40.272	40.154	39.443	41.392	41.040	43.962	44.304	46.266	44.379	81.268	46.809	46.809	46.809	46.809
5111	30.376	31.853	29.982	30.833	30.496	30.264	31.873	31.935	32.843	34.177	35.830	34.843	70.965	37.190	37.190	37.190	37.190
51111	10.393	10.019	9.321	11.602	10.122	9.538	9.792	9.704	9.789	11.434	11.506	11.350	45.325	13.891	13.891	13.891	13.891
511110	10.393	10.019	9.321	11.602	10.122	9.538	9.792	9.704	9.789	11.434	11.506	11.350	45.325	13.891	13.891	13.891	13.891
51112	19.486	19.199	18.135	18.357	18.509	18.370	18.885	18.410	19.556	20.615	20.460	19.239	19.290	19.181	19.181	19.181	19.181
511120	19.486	19.199	18.135	18.357	18.509	18.370	18.885	18.410	19.556	20.615	20.460	19.239	19.290	19.181	19.181	19.181	19.181
51113	0.247	-	-	0.261	0.235	-	-	0.262	0.248	-	-	0.273	0.244	-	-	0.273	0.243
511130	0.247	-	-	0.261	0.235	-	-	0.262	0.248	-	-	0.273	0.244	-	-	0.273	0.243
51114	3.580	3.527	3.332	3.373	3.400	3.375	3.470	3.382	3.593	3.787	4.084	3.840	3.850	3.828	3.828	3.828	3.828
511140	3.580	3.527	3.332	3.373	3.400	3.375	3.470	3.382	3.593	3.787	4.084	3.840	3.850	3.828	3.828	3.828	3.828
51119	0.079	0.075	-	-	0.082	0.063	-	-	0.080	0.099	-	-	0.101	0.055	-	-	0.082
5112	10.783	10.339	10.842	9.956	10.177	9.503	10.007	9.490	11.813	10.467	10.924	9.865	9.211	9.843	9.843	9.843	9.843
51121	10.783	10.339	10.842	9.956	10.177	9.503	10.007	9.490	11.813	10.467	10.924	9.865	9.211	9.843	9.843	9.843	9.843
511210	10.783	10.339	10.842	9.956	10.177	9.503	10.007	9.490	11.813	10.467	10.924	9.865	9.211	9.843	9.843	9.843	9.843
51213	13.492	11.312	10.424	10.697	12.807	8.746	6.612	6.799	7.873	7.217	7.056	6.964	7.607	7.055	7.055	7.055	7.055
515	26.474	26.002	27.040	28.074	25.670	26.233	25.309	28.854	26.257	26.022	26.927	27.859	23.717	26.949	26.949	26.949	26.949
515111	0.801	0.798	0.845	0.890	0.788	0.852	0.898	0.876	0.819	0.945	0.916	0.945	0.820	0.902	0.902	0.902	0.902
51512	20.907	20.127	20.177	20.154	19.281	18.912	17.123	19.582	18.818	18.988	18.285	19.050	16.536	16.796	16.796	16.796	16.796
515120	20.907	20.127	20.177	20.154	19.281	18.912	17.123	19.582	18.818	18.988	18.285	19.050	16.536	16.796	16.796	16.796	16.796
517	1.484	1.611	1.577	1.629	1.625	1.569	1.674	1.680	1.714	1.599	1.657	1.601	1.620	1.700	1.700	1.700	1.700
517110	2.299	2.807	2.726	2.628	2.619	2.445	2.705	2.727	2.799	2.555	2.688	2.674	2.703	2.621	2.621	2.621	2.621
517911	3.667	0.729	0.473	3.162	2.780	4.133	3.674	4.140	4.001	3.924	3.067	2.696	2.392	2.364	2.364	2.364	2.364
518	10.911	14.473	12.700	12.054	9.710	18.224	16.052	15.142	13.671	17.084	14.855	22.513	11.697	14.989	14.989	14.989	14.989
5182	10.911	14.473	12.700	12.054	9.710	18.224	16.052	15.142	13.671	17.084	14.855	22.513	11.697	14.989	14.989	14.989	14.989
51821	10.911	14.473	12.700	12.054	9.710	18.224	16.052	15.142	13.671	17.084	14.855	22.513	11.697	14.989	14.989	14.989	14.989
518210	10.911	14.473	12.700	12.054	9.710	18.224	16.052	15.142	13.671	17.084	14.855	22.513	11.697	14.989	14.989	14.989	14.989
51913	6.934	4.451	4.146	4.062	5.194	7.814	3.543	5.834	6.244	11.743	5.307	5.913	7.158	2.379	2.379	2.379	2.379
519130	6.934	4.451	4.146	4.062	5.194	7.814	3.543	5.834	6.244	11.743	5.307	5.913	7.158	2.379	2.379	2.379	2.379
52	206.798	192.268	200.510	203.309	204.194	190.484	188.786	209.544	226.765	188.605	187.035	194.075	192.965	179.373	179.373	179.373	179.373
522130	20.889	17.419	17.609	17.866	18.616	16.454	16.378	16.639	17.526	16.018	15.904	16.548	16.625	14.981	14.981	14.981	14.981
5222	84.369	79.153	85.567	80.568	82.972	67.951	68.497	67.367	81.869	71.797	71.562	73.537	74.043	65.357	65.357	65.357	65.357
52229	69.615	67.840	68.332	64.719	69.140	51.449	52.356	50.392	69.676	55.064	53.950	56.709	60.588	50.215	50.215	50.215	50.215
522291	6.982	6.328	7.315	6.741	7.782	6.438	7.548	7.159	7.654	6.509	6.443	6.363	6.569	5.838	5.838	5.838	5.838
522292	63.699	63.912	61.368	58.782	61.132	43.565	41.818	39.349	62.396	47.673	45.856	49.212	53.556	42.575	42.575	42.575	42.575
5223	13.023	9.800	12.108	11.291	18.955	10.939	11.685	10.437	12.438	8.411	9.945	9.792	10.813	9.122	9.122	9.122	9.122
52239	3.709	2.676	3.476	3.142	6.322	3.234	3.555	3.157	3.881	2.990	3.674	3.500	3.859	3.279	3.279	3.279	3.279
522390	3.709	2.676	3.476	3.142	6.322	3.234	3.555	3.157	3.881	2.990	3.674	3.500	3.859	3.279	3.279	3.279	3.279
523	118.388	128.173	119.136	136.539	124.686	99.723	98.926	102.007	149.505	85.382	84.742	91.189	118.273	109.421	109.421	109.421	109.421
5231	73.037	69.348	64.458	73.874	73.882	62.859	62.357	64.299	88.588	53.819	53.416	57.480	77.829	68.731	68.731	68.731	68.731
52311	0.985	0.907	0.843	0.966	0.993	1.278	1.268	1.308	1.190	1.095	1.086	1.169	1.290	1.012	1.012	1.012	1.012

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
523110	0.985	0.907	0.843	0.966	0.993	1.278	1.268	1.308	1.190	1.095	1.086	1.169	1.290	1.012	1.012	1.012	1.012
52312	67.542	66.518	67.721	64.472	68.521	72.467	69.517	65.192	65.404	70.012	67.500	67.945	63.734	59.925	59.925	59.925	59.925
523120	67.542	66.518	67.721	64.472	68.521	72.467	69.517	65.192	65.404	70.012	67.500	67.945	63.734	59.925	59.925	59.925	59.925
5239	39.008	41.737	48.146	47.099	44.115	39.719	38.887	41.378	41.818	34.496	34.111	36.333	34.121	34.830	34.830	34.830	34.830
52391	4.805	9.915	9.928	11.156	9.139	12.297	10.060	11.635	13.345	11.655	9.774	11.117	11.679	12.806	12.806	12.806	12.806
523910	4.805	9.915	9.928	11.156	9.139	12.297	10.060	11.635	13.345	11.655	9.774	11.117	11.679	12.806	12.806	12.806	12.806
52392	12.710	9.225	14.984	12.897	13.130	9.233	12.643	11.819	11.997	7.812	9.951	9.761	8.875	8.806	8.806	8.806	8.806
523920	12.710	9.225	14.984	12.897	13.130	9.233	12.643	11.819	11.997	7.812	9.951	9.761	8.875	8.806	8.806	8.806	8.806
52393	7.995	9.114	8.066	8.917	8.352	7.349	5.439	6.444	5.772	5.902	4.815	5.356	4.608	4.535	4.535	4.535	4.535
523930	7.995	9.114	8.066	8.917	8.352	7.349	5.439	6.444	5.772	5.902	4.815	5.356	4.608	4.535	4.535	4.535	4.535
52399	5.167	3.867	5.120	5.136	5.388	4.908	5.091	4.830	4.816	4.631	5.023	4.963	4.987	4.908	4.908	4.908	4.908
523991	3.144	2.264	3.040	3.066	3.278	2.873	3.023	2.883	2.930	2.711	2.896	2.901	2.901	2.897	2.897	2.897	2.897
523999	0.940	1.158	1.236	1.156	0.980	1.470	1.229	1.087	0.876	1.387	1.734	1.465	1.500	1.290	1.290	1.290	1.290
524	78.159	74.372	76.388	79.072	81.660	73.093	73.091	75.176	77.424	68.750	68.511	71.784	71.583	67.432	67.432	67.432	67.432
5242	92.079	80.196	83.859	89.707	88.377	73.738	73.583	75.878	76.099	68.704	69.387	72.249	71.980	67.306	67.306	67.306	67.306
52421	75.570	65.543	68.231	74.948	74.348	60.035	60.051	62.933	63.571	55.765	56.114	59.029	58.538	53.302	53.302	53.302	53.302
524210	75.570	65.543	68.231	74.948	74.348	60.035	60.051	62.933	63.571	55.765	56.114	59.029	58.538	53.302	53.302	53.302	53.302
52429	15.944	13.906	15.171	13.508	12.826	13.140	13.051	12.081	11.656	12.506	13.050	12.772	13.196	14.295	14.295	14.295	14.295
524291	6.741	6.395	7.228	6.522	6.074	6.446	6.328	5.975	5.882	6.472	7.746	7.085	8.075	9.190	9.190	9.190	9.190
524292	5.941	4.847	5.261	4.845	4.679	4.641	4.467	4.230	4.011	4.326	4.371	4.469	4.581	4.449	4.449	4.449	4.449
524298	0.219	0.238	0.258	0.174	0.160	0.158	0.236	0.182	0.193	0.160	0.148	0.127	0.106	0.239	0.239	0.239	0.239
53	206.840	80.492	186.924	215.255	202.184	77.208	180.551	195.982	189.861	67.776	149.479	235.897	166.743	197.457	197.457	197.457	197.457
531	117.069	116.618	121.114	117.149	116.275	108.919	116.160	107.104	103.762	109.551	103.337	107.221	101.806	103.448	103.448	103.448	103.448
5311	57.765	54.870	58.476	57.415	59.348	46.690	49.361	47.847	48.486	47.189	47.860	48.290	49.653	46.152	46.152	46.152	46.152
53111	15.982	15.597	16.623	15.890	15.708	15.644	19.011	17.705	16.917	15.007	17.931	16.437	16.709	16.912	16.912	16.912	16.912
531110	16.260	15.868	16.912	16.166	15.981	15.916	19.342	18.012	17.211	15.268	18.242	16.723	16.999	17.206	17.206	17.206	17.206
53112	43.185	41.567	41.803	44.345	45.724	28.792	25.814	25.527	28.155	31.364	25.987	29.248	30.322	25.543	25.543	25.543	25.543
531120	43.626	41.991	42.229	44.797	46.191	29.086	26.077	25.788	28.443	31.684	26.252	29.547	30.631	25.804	25.804	25.804	25.804
53113	2.967	3.171	3.391	3.202	3.190	3.263	3.429	3.656	3.616	3.262	3.430	3.788	3.591	3.393	3.393	3.393	3.393
531130	2.967	3.171	3.391	3.202	3.190	3.263	3.429	3.656	3.616	3.262	3.430	3.788	3.591	3.393	3.393	3.393	3.393
53119	0.473	0.464	0.441	0.389	0.392	0.605	0.577	0.569	0.502	0.447	0.458	0.373	0.435	0.443	0.443	0.443	0.443
531190	0.506	0.496	0.471	0.416	0.419	0.647	0.617	0.608	0.537	0.478	0.490	0.399	0.466	0.474	0.474	0.474	0.474
5312	26.615	26.512	27.575	26.916	28.574	29.791	32.261	27.799	25.130	29.600	25.189	27.064	23.981	27.436	27.436	27.436	27.436
53121	26.615	26.512	27.575	26.916	28.574	29.791	32.261	27.799	25.130	29.600	25.189	27.064	23.981	27.436	27.436	27.436	27.436
531210	26.847	26.744	27.816	27.150	28.823	30.051	32.543	28.041	25.349	29.858	25.408	27.300	24.190	27.676	27.676	27.676	27.676
5313	32.655	34.310	34.268	32.525	30.045	29.402	31.285	29.323	28.899	29.809	28.832	29.744	28.012	27.929	27.929	27.929	27.929
53131	25.531	27.142	26.937	25.714	23.823	23.458	24.876	23.579	22.870	23.663	22.212	23.245	21.744	21.792	21.792	21.792	21.792
531311	17.541	18.621	17.586	16.908	16.194	15.713	15.631	15.482	16.168	15.461	15.468	15.481	15.180	16.692	16.692	16.692	16.692
531312	7.386	7.788	8.629	8.050	7.001	6.957	8.407	7.396	6.327	7.251	6.422	7.143	6.137	5.213	5.213	5.213	5.213
53132	2.382	2.443	2.596	2.598	1.972	1.750	2.109	1.978	1.692	3.072	2.714	2.692	2.312	2.315	2.315	2.315	2.315
531320	2.382	2.443	2.596	2.598	1.972	1.750	2.109	1.978	1.692	3.072	2.714	2.692	2.312	2.315	2.315	2.315	2.315
53139	3.752	3.990	3.689	3.109	1.919	2.403	2.785	2.210	1.891	2.759	2.345	2.259	1.941	2.597	2.597	2.597	2.597
531390	3.752	3.990	3.689	3.109	1.919	2.403	2.785	2.210	1.891	2.759	2.345	2.259	1.941	2.597	2.597	2.597	2.597
532	75.680	15.590	58.857	82.996	72.371	15.634	57.539	75.237	73.307	10.500	42.280	114.277	54.007	80.174	80.174	80.174	80.174
5321	19.130	3.281	15.595	26.616	20.807	3.450	15.559	23.314	21.594	2.040	10.604	45.221	14.582	25.016	25.016	25.016	25.016
53211	12.210	2.038	9.947	17.406	13.406	2.118	9.802	14.878	13.814	1.206	6.512	30.145	9.112	16.331	16.331	16.331	16.331
53212	11.183	9.972	10.347	9.870	10.424	12.583	12.640	12.027	12.196	11.291	11.770	11.540	11.243	9.537	9.537	9.537	9.537
532120	11.028	9.834	10.204	9.733	10.280	12.409	12.465	11.860	12.027	11.135	11.607	11.380	11.087	9.405	9.405	9.405	9.405
5322	8.965	12.923	11.849	11.513	8.967	11.625	10.974	11.029	9.656	9.637	9.272	9.108	8.142	10.333	10.333	10.333	10.333
53221	3.837	3.876	3.675	3.780	3.529	3.324	3.487	3.610	3.566	3.709	3.827	3.888	3.568	3.767	3.767	3.767	3.767
532210	3.837	3.876	3.675	3.780	3.529	3.324	3.487	3.610	3.566	3.709	3.827	3.888	3.568	3.767	3.767	3.767	3.767
53229	4.159	7.018	6.631	6.547	4.316	6.526	5.980	6.089	4.863	4.153	3.934	3.939	3.308	4.552	4.552	4.552	4.552
5323	1.864	2.041	1.961	1.866	1.850	2.141	1.991	1.941	1.761	1.971	1.989	1.858	1.865	2.020	2.020	2.020	2.020
53231	1.864	2.041	1.961	1.866	1.850	2.141	1.991	1.941	1.761	1.971	1.989	1.858	1.865	2.020	2.020	2.020	2.020
532310	1.864	2.041	1.961	1.866	1.850	2.141	1.991	1.941	1.761	1.971	1.989	1.858	1.865	2.020	2.020	2.020	2.020
5324	81.899	53.080	47.931	40.752	55.437	48.129	44.817	38.539	50.273	39.211	36.180	32.098	41.151	43.643	43.643	43.643	43.643

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
533	10.783	3.594	8.418	9.077	8.182	3.387	6.849	6.494	6.671	3.326	6.228	6.700	5.922	12.127	12.127	12.127	12.127
5331	10.783	3.594	8.418	9.077	8.182	3.387	6.849	6.494	6.671	3.326	6.228	6.700	5.922	12.127	12.127	12.127	12.127
53311	10.783	3.594	8.418	9.077	8.182	3.387	6.849	6.494	6.671	3.326	6.228	6.700	5.922	12.127	12.127	12.127	12.127
533110	9.982	3.327	7.793	8.403	7.574	3.136	6.340	6.012	6.175	3.078	5.765	6.203	5.482	11.226	11.226	11.226	11.226
54	763.017	561.650	705.159	711.024	770.804	539.881	665.084	675.141	745.566	545.905	659.931	656.078	681.084	588.878	588.878	588.878	588.878
541	763.017	561.650	705.159	711.024	770.804	539.881	665.084	675.141	745.566	545.905	659.931	656.078	681.084	588.878	588.878	588.878	588.878
5411	402.937	371.905	376.428	382.943	417.721	374.903	356.081	366.585	392.189	376.772	350.738	374.227	390.626	352.018	352.018	352.018	352.018
54111	359.346	328.077	333.743	337.987	372.850	330.186	311.935	322.753	346.594	332.667	306.645	329.564	345.542	311.089	311.089	311.089	311.089
541110	363.151	331.551	337.277	341.566	376.799	333.682	315.238	326.171	350.264	336.189	309.892	333.054	349.200	314.383	314.383	314.383	314.383
54119	17.780	18.805	17.770	19.050	18.237	19.475	19.207	18.739	19.229	18.764	19.307	19.077	18.953	17.262	17.262	17.262	17.262
541191	17.878	18.278	17.457	18.716	17.818	18.433	18.289	17.950	18.373	17.833	18.460	18.166	18.131	16.873	16.873	16.873	16.873
541199	0.161	0.491	0.365	0.391	0.427	0.772	0.706	0.630	0.658	0.705	0.669	0.699	0.638	0.400	0.400	0.400	0.400
5412	72.830	71.224	75.725	71.084	79.867	74.399	76.218	73.999	86.552	69.152	66.576	65.424	75.904	54.778	54.778	54.778	54.778
54121	72.830	71.224	75.725	71.084	79.867	74.399	76.218	73.999	86.552	69.152	66.576	65.424	75.904	54.778	54.778	54.778	54.778
541211	55.803	52.286	54.447	51.106	50.634	52.703	51.006	47.186	48.922	42.307	43.567	40.728	41.031	39.429	39.429	39.429	39.429
541213	5.513	6.084	5.838	5.108	5.361	4.737	4.860	4.627	4.558	4.537	4.927	4.484	4.385	4.875	4.875	4.875	4.875
541214	3.745	4.784	4.589	4.737	4.412	8.133	8.690	8.154	9.419	6.617	7.181	6.507	7.061	5.407	5.407	5.407	5.407
541219	9.564	8.995	9.924	9.191	11.494	8.173	8.496	8.889	11.090	8.838	7.675	8.223	10.401	6.113	6.113	6.113	6.113
5413	252.130	119.512	206.998	207.335	220.025	111.170	195.939	192.240	208.928	101.080	188.099	190.181	188.205	169.058	169.058	169.058	169.058
54131	16.965	15.747	16.508	15.767	16.221	15.631	17.219	16.495	17.164	15.737	16.591	16.347	16.158	15.174	15.174	15.174	15.174
541310	16.965	15.747	16.508	15.767	16.221	15.631	17.219	16.495	17.164	15.737	16.591	16.347	16.158	15.174	15.174	15.174	15.174
54133	226.193	87.213	171.839	174.476	188.424	79.189	164.025	162.291	175.794	69.219	151.104	156.384	154.102	132.838	132.838	132.838	132.838
541330	226.193	87.213	171.839	174.476	188.424	79.189	164.025	162.291	175.794	69.219	151.104	156.384	154.102	132.838	132.838	132.838	132.838
54134	0.502	0.903	0.749	0.454	0.517	0.932	0.626	0.431	0.452	0.617	0.613	0.391	0.426	0.759	0.759	0.759	0.759
541340	0.502	0.903	0.749	0.454	0.517	0.932	0.626	0.431	0.452	0.617	0.613	0.391	0.426	0.759	0.759	0.759	0.759
54136	1.301	1.116	1.634	1.545	1.487	1.421	1.665	1.488	1.450	1.395	1.830	1.682	2.189	2.574	2.574	2.574	2.574
541360	1.301	1.116	1.634	1.545	1.487	1.421	1.665	1.488	1.450	1.395	1.830	1.682	2.189	2.574	2.574	2.574	2.574
54137	6.115	8.118	8.738	9.147	9.286	7.895	5.802	6.519	8.945	10.212	9.699	9.245	7.991	7.011	7.011	7.011	7.011
541370	6.115	8.118	8.738	9.147	9.286	7.895	5.802	6.519	8.945	10.212	9.699	9.245	7.991	7.011	7.011	7.011	7.011
54138	31.956	24.311	28.616	28.684	27.657	24.469	27.361	25.695	26.328	21.195	24.291	24.500	26.012	22.967	22.967	22.967	22.967
541380	31.956	24.311	28.616	28.684	27.657	24.469	27.361	25.695	26.328	21.195	24.291	24.500	26.012	22.967	22.967	22.967	22.967
5414	6.658	4.231	8.315	8.549	7.757	4.648	8.179	8.174	7.104	5.004	7.325	7.264	5.743	6.035	6.035	6.035	6.035
54143	3.231	1.782	4.241	4.178	4.085	2.124	4.472	4.420	3.837	2.359	3.862	3.505	3.012	3.484	3.484	3.484	3.484
541430	3.231	1.782	4.241	4.178	4.085	2.124	4.472	4.420	3.837	2.359	3.862	3.505	3.012	3.484	3.484	3.484	3.484
5415	137.717	139.127	134.267	134.310	141.084	101.516	105.426	105.094	111.082	118.250	107.199	90.563	103.492	103.401	103.401	103.401	103.401
54151	137.717	139.127	134.267	134.310	141.084	101.516	105.426	105.094	111.082	118.250	107.199	90.563	103.492	103.401	103.401	103.401	103.401
541511	52.578	46.074	47.618	46.892	49.032	38.729	41.784	41.483	42.243	33.390	37.498	36.444	35.172	29.365	29.365	29.365	29.365
541512	42.511	44.031	42.218	42.750	44.671	37.847	40.378	41.220	43.422	57.950	46.746	36.352	45.321	38.182	38.182	38.182	38.182
541513	17.186	23.216	16.507	17.374	18.059	19.955	15.788	16.752	17.554	30.554	18.277	14.774	19.575	26.769	26.769	26.769	26.769
541519	14.840	14.037	13.306	4.908	5.816	4.500	4.747	4.732	5.653	6.891	5.495	4.174	4.353	9.761	9.761	9.761	9.761
5416	108.615	84.471	98.907	107.608	121.188	85.569	95.640	101.105	115.132	83.746	90.796	95.603	89.814	82.272	82.272	82.272	82.272
54161	73.013	50.616	62.384	67.470	79.251	51.935	61.538	63.952	76.799	52.144	60.236	62.298	56.643	53.605	53.605	53.605	53.605
541611	34.908	20.721	27.655	30.149	39.037	22.582	28.117	29.112	36.850	19.432	28.123	28.956	25.456	23.973	23.973	23.973	23.973
541612	7.223	8.163	8.264	9.120	8.257	7.365	7.313	8.014	9.480	11.287	6.624	6.333	6.387	6.848	6.848	6.848	6.848
541613	12.137	9.716	12.776	12.586	11.348	7.999	11.011	12.203	11.475	9.370	10.183	11.760	9.964	7.095	7.095	7.095	7.095
541614	14.001	13.300	12.767	13.231	13.582	12.641	12.817	12.190	11.779	12.957	13.361	14.440	13.998	13.502	13.502	13.502	13.502
541618	5.766	3.390	3.636	4.144	4.642	3.710	4.614	4.123	4.276	3.697	4.082	4.236	4.225	4.118	4.118	4.118	4.118
54162	17.928	27.694	24.237	21.824	19.391	23.865	22.064	21.863	19.219	23.134	21.318	19.127	18.855	18.396	18.396	18.396	18.396
541620	17.928	27.694	24.237	21.824	19.391	23.865	22.064	21.863	19.219	23.134	21.318	19.127	18.855	18.396	18.396	18.396	18.396
54169	39.250	33.350	35.577	49.825	54.299	36.832	32.421	41.973	43.621	30.950	24.908	35.097	39.441	26.595	26.595	26.595	26.595
541690	39.411	33.486	35.722	50.028	54.521	36.982	32.554	42.145	43.799	31.076	25.010	35.240	39.602	26.703	26.703	26.703	26.703
5417	17.256	13.752	11.345	19.440	15.905	10.346	9.982	35.941	14.230	11.635	9.580	14.300	11.736	14.563	14.563	14.563	14.563
541712	11.198	7.503	6.583	12.987	10.156	6.487	6.542	28.152	9.860	8.378	6.187	9.633	7.675	11.142	11.142	11.142	11.142
5418	22.757	19.136	20.949	20.728	21.558	21.148	21.315	20.444	21.988	20.818	21.576	21.018	23.093	23.549	23.549	23.549	23.549
54181	8.467	7.819	8.127	8.165	8.137	8.907	9.078	8.772	9.313	9.309	9.499	9.458	10.355	10.985	10.985	10.985	10.985
541810	8.467	7.819	8.127	8.165	8.137	8.907	9.078	8.772	9.313	9.309	9.499	9.458	10.355	10.985	10.985	10.985	10.985

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
54182	2.325	1.601	1.899	1.872	2.097	1.623	1.897	1.922	2.140	1.772	2.186	1.939	2.236	2.143	2.143	2.143	2.143
541820	2.325	1.601	1.899	1.872	2.097	1.623	1.897	1.922	2.140	1.772	2.186	1.939	2.236	2.143	2.143	2.143	2.143
54183	3.357	1.882	2.069	2.026	2.594	1.833	2.021	1.855	2.225	1.746	1.867	1.858	2.070	1.710	1.710	1.710	1.710
541830	3.357	1.882	2.069	2.026	2.594	1.833	2.021	1.855	2.225	1.746	1.867	1.858	2.070	1.710	1.710	1.710	1.710
541840	0.777	0.646	0.479	0.469	0.600	0.629	0.468	0.429	0.515	0.599	0.432	0.430	0.361	0.442	0.442	0.442	0.442
54185	9.806	10.938	14.322	15.630	10.449	12.580	8.912	9.100	8.106	7.680	6.716	5.817	7.422	7.982	7.982	7.982	7.982
541850	9.806	10.938	14.322	15.630	10.449	12.580	8.912	9.100	8.106	7.680	6.716	5.817	7.422	7.982	7.982	7.982	7.982
54186	1.382	1.369	1.619	1.703	1.585	1.606	1.148	1.384	1.234	1.285	1.163	1.962	1.865	1.956	1.956	1.956	1.956
541860	1.382	1.369	1.619	1.703	1.585	1.606	1.148	1.384	1.234	1.285	1.163	1.962	1.865	1.956	1.956	1.956	1.956
5419	69.783	66.406	77.105	76.990	81.326	64.678	74.322	75.725	91.387	103.239	114.834	100.858	97.152	70.714	70.714	70.714	70.714
54192	2.302	1.970	2.168	2.449	2.541	2.021	2.112	2.471	2.430	2.027	2.234	2.715	3.027	2.801	2.801	2.801	2.801
541921	1.893	1.578	1.855	2.093	2.019	1.523	1.644	1.986	1.916	1.600	1.811	2.363	2.524	2.331	2.331	2.331	2.331
541922	0.415	0.402	0.309	0.366	0.545	0.524	0.478	0.472	0.539	0.441	0.426	0.370	0.503	0.470	0.470	0.470	0.470
54194	22.509	21.113	21.338	20.884	20.010	19.583	19.512	19.072	18.883	18.453	19.312	18.027	18.055	17.344	17.344	17.344	17.344
541940	22.509	21.113	21.338	20.884	20.010	19.583	19.512	19.072	18.883	18.453	19.312	18.027	18.055	17.344	17.344	17.344	17.344
54199	22.344	24.383	27.813	29.440	32.246	24.158	27.393	29.978	40.051	50.141	53.068	46.907	43.993	27.244	27.244	27.244	27.244
541990	22.344	24.383	27.813	29.440	32.246	24.158	27.393	29.978	40.051	50.141	53.068	46.907	43.993	27.244	27.244	27.244	27.244
55	60.202	41.564	75.595	94.206	88.878	43.525	68.978	84.597	68.760	44.609	68.668	76.194	76.160	70.769	70.769	70.769	70.769
551	60.202	41.564	75.595	94.206	88.878	43.525	68.978	84.597	68.760	44.609	68.668	76.194	76.160	70.769	70.769	70.769	70.769
5511	60.202	41.564	75.595	94.206	88.878	43.525	68.978	84.597	68.760	44.609	68.668	76.194	76.160	70.769	70.769	70.769	70.769
55111	60.202	41.564	75.595	94.206	88.878	43.525	68.978	84.597	68.760	44.609	68.668	76.194	76.160	70.769	70.769	70.769	70.769
551114	25.024	16.832	31.458	40.470	38.154	18.838	30.211	37.419	30.057	19.465	30.282	33.902	33.769	31.287	31.287	31.287	31.287
56	338.843	344.277	343.549	337.485	346.360	340.148	326.720	326.400	311.321	311.358	308.566	308.387	308.265	297.697	297.697	297.697	297.697
561	300.114	305.783	304.923	298.702	307.480	304.039	290.791	290.216	276.654	277.711	274.144	273.680	274.331	264.834	264.834	264.834	264.834
5611	32.688	29.957	38.819	33.305	36.245	24.763	27.121	25.484	29.598	28.717	26.585	27.698	29.309	27.634	27.634	27.634	27.634
56111	32.688	29.957	38.819	33.305	36.245	24.763	27.121	25.484	29.598	28.717	26.585	27.698	29.309	27.634	27.634	27.634	27.634
561110	32.688	29.957	38.819	33.305	36.245	24.763	27.121	25.484	29.598	28.717	26.585	27.698	29.309	27.634	27.634	27.634	27.634
5612	7.796	5.303	2.528	2.604	1.934	3.365	1.992	1.821	1.808	2.099	1.882	1.756	1.740	1.831	1.831	1.831	1.831
56121	7.796	5.303	2.528	2.604	1.934	3.365	1.992	1.821	1.808	2.099	1.882	1.756	1.740	1.831	1.831	1.831	1.831
561210	7.796	5.303	2.528	2.604	1.934	3.365	1.992	1.821	1.808	2.099	1.882	1.756	1.740	1.831	1.831	1.831	1.831
5613	99.111	99.317	99.493	101.720	101.859	109.464	106.910	107.699	99.949	95.661	94.447	96.177	99.708	89.414	89.414	89.414	89.414
56131	8.844	6.237	6.936	7.984	6.056	6.310	8.844	9.108	8.458	8.845	7.990	7.737	8.065	7.372	7.372	7.372	7.372
56132	74.384	83.426	77.941	80.498	80.995	97.798	92.164	93.986	84.096	80.841	76.707	77.528	76.451	75.576	75.576	75.576	75.576
561320	74.384	83.426	77.941	80.498	80.995	97.798	92.164	93.986	84.096	80.841	76.707	77.528	76.451	75.576	75.576	75.576	75.576
56133	9.142	8.350	9.032	8.977	9.213	8.571	8.369	8.268	8.082	7.581	8.026	8.276	9.098	7.212	7.212	7.212	7.212
561330	9.142	8.350	9.032	8.977	9.213	8.571	8.369	8.268	8.082	7.581	8.026	8.276	9.098	7.212	7.212	7.212	7.212
5614	35.308	40.819	38.635	39.440	39.064	38.475	36.988	37.696	37.531	39.305	38.200	38.496	37.946	38.832	38.832	38.832	38.832
56142	16.075	18.822	17.556	18.170	17.903	17.250	16.309	16.857	16.821	17.673	17.032	17.245	16.878	17.131	17.131	17.131	17.131
561421	1.261	0.618	0.565	0.695	0.653	0.491	0.507	0.552	0.533	0.445	0.432	0.446	0.464	0.427	0.427	0.427	0.427
561422	15.605	18.384	17.147	17.735	17.478	16.859	15.932	16.466	16.433	17.280	16.653	16.861	16.498	16.751	16.751	16.751	16.751
56143	3.507	3.493	3.144	3.339	3.293	3.164	3.121	3.164	2.925	3.005	2.929	3.039	2.952	3.001	3.001	3.001	3.001
561431	1.708	1.374	1.491	1.662	1.549	1.311	1.434	1.544	1.367	1.443	1.556	1.414	1.331	1.305	1.305	1.305	1.305
561439	2.104	2.189	1.901	2.000	1.992	1.964	1.900	1.903	1.772	1.811	1.727	1.846	1.802	1.846	1.846	1.846	1.846
56144	12.661	15.135	16.088	15.389	14.609	17.234	18.308	17.355	16.589	17.932	18.014	18.035	18.161	20.212	20.212	20.212	20.212
561440	12.661	15.135	16.088	15.389	14.609	17.234	18.308	17.355	16.589	17.932	18.014	18.035	18.161	20.212	20.212	20.212	20.212
56149	5.896	5.143	6.117	5.509	6.417	7.204	7.713	7.078	7.921	6.678	7.712	6.614	7.570	6.424	6.424	6.424	6.424
561491	0.969	0.917	0.890	0.770	0.711	1.112	0.973	1.003	1.128	1.031	0.973	0.937	1.284	1.181	1.181	1.181	1.181
561492	0.876	0.741	0.884	1.023	0.842	0.786	0.843	0.908	0.890	0.728	0.843	0.849	0.869	0.715	0.715	0.715	0.715
561499	0.877	0.746	0.884	0.739	0.991	1.142	1.265	1.140	1.285	1.076	1.269	1.002	1.145	0.966	0.966	0.966	0.966
5615	14.473	14.934	14.189	14.465	12.748	12.590	12.899	13.250	11.746	14.760	12.333	12.536	10.902	14.618	14.618	14.618	14.618
5616	42.023	43.937	41.344	40.403	45.812	45.327	43.162	45.127	40.643	42.054	41.702	41.046	38.635	37.192	37.192	37.192	37.192
56161	27.395	26.217	26.085	25.190	32.743	32.452	31.132	32.507	30.020	29.743	30.365	28.488	28.511	27.517	27.517	27.517	27.517
561612	10.890	10.489	9.697	10.048	10.008	9.511	9.074	10.569	9.247	8.517	9.221	9.098	8.987	7.656	7.656	7.656	7.656
56162	13.132	15.908	13.493	13.708	12.542	12.493	11.650	12.269	10.530	11.857	11.077	11.911	10.025	9.606	9.606	9.606	9.606
561621	12.002	14.698	12.448	12.654	11.468	11.524	10.750	11.392	9.659	10.981	10.265	11.073	9.179	8.850	8.850	8.850	8.850
561622	1.329	1.328	1.155	1.160	1.259	1.073	0.994	0.933	0.999	0.949	0.875	0.884	0.983	0.842	0.842	0.842	0.842

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
5617	55.705	55.148	56.962	53.479	54.122	52.510	55.326	52.070	52.016	47.925	51.707	48.175	48.836	47.866	47.866	47.866	47.866
56171	7.385	5.623	6.864	6.387	6.945	5.278	6.662	6.408	6.661	5.315	6.927	6.588	6.853	6.244	6.244	6.244	6.244
561710	7.385	5.623	6.864	6.387	6.945	5.278	6.662	6.408	6.661	5.315	6.927	6.588	6.853	6.244	6.244	6.244	6.244
56172	13.229	12.701	12.217	12.496	12.663	12.974	12.758	12.417	12.386	11.284	11.926	11.415	11.018	10.681	10.681	10.681	10.681
561720	13.229	12.701	12.217	12.496	12.663	12.974	12.758	12.417	12.386	11.284	11.926	11.415	11.018	10.681	10.681	10.681	10.681
56173	33.422	34.215	34.677	30.964	30.770	30.955	33.389	30.263	30.107	27.976	29.169	26.663	27.299	27.727	27.727	27.727	27.727
561730	33.422	34.215	34.677	30.964	30.770	30.955	33.389	30.263	30.107	27.976	29.169	26.663	27.299	27.727	27.727	27.727	27.727
56174	1.302	1.387	1.473	1.302	1.179	1.241	1.265	1.145	1.183	1.302	1.312	1.137	1.118	1.601	1.601	1.601	1.601
561740	1.302	1.387	1.473	1.302	1.179	1.241	1.265	1.145	1.183	1.302	1.312	1.137	1.118	1.601	1.601	1.601	1.601
56179	1.610	2.473	2.723	2.564	2.508	2.400	2.145	2.205	2.015	2.257	2.372	2.219	2.365	1.936	1.936	1.936	1.936
561790	1.610	2.473	2.723	2.564	2.508	2.400	2.145	2.205	2.015	2.257	2.372	2.219	2.365	1.936	1.936	1.936	1.936
5619	27.929	22.629	25.203	18.629	25.277	18.586	11.844	10.327	9.966	11.314	11.722	10.572	10.410	10.675	10.675	10.675	10.675
561990	3.558	2.874	3.199	2.354	3.207	2.350	1.485	1.292	1.246	1.417	1.470	1.325	1.306	1.345	1.345	1.345	1.345
562	42.224	40.136	40.887	42.606	41.033	34.627	36.462	37.292	36.042	33.248	35.907	36.772	34.507	33.601	33.601	33.601	33.601
5621	23.450	18.338	20.675	23.778	23.118	18.070	20.835	23.405	23.099	17.202	20.607	22.301	21.218	17.803	17.803	17.803	17.803
56211	23.450	18.338	20.675	23.778	23.118	18.070	20.835	23.405	23.099	17.202	20.607	22.301	21.218	17.803	17.803	17.803	17.803
562111	22.309	17.445	19.668	22.621	21.662	17.030	19.636	22.039	22.041	16.414	19.397	20.980	19.817	17.135	16.959	17.001	16.644
5622	6.640	7.724	7.453	7.858	8.562	6.545	6.414	6.650	6.391	6.127	6.445	6.412	5.726	7.243	7.243	7.243	7.243
56221	6.640	7.724	7.453	7.858	8.562	6.545	6.414	6.650	6.391	6.127	6.445	6.412	5.726	7.243	7.243	7.243	7.243
5629	12.946	13.866	12.963	11.449	9.973	10.072	9.677	8.387	8.002	9.946	9.311	8.960	8.754	8.726	8.726	8.726	8.726
56291	6.857	6.840	6.430	5.836	4.879	4.180	4.299	3.521	3.233	4.261	4.033	4.063	4.014	3.668	3.668	3.668	3.668
562910	6.857	6.840	6.430	5.836	4.879	4.180	4.299	3.521	3.233	4.261	4.033	4.063	4.014	3.668	3.668	3.668	3.668
56A	308.753	318.214	315.421	305.848	314.680	315.534	299.471	296.345	281.831	288.029	281.513	279.674	281.321	272.652	272.652	272.652	272.652
61	17.336	16.751	16.875	16.919	17.038	15.885	15.918	16.065	16.017	14.958	14.897	15.133	15.260	14.909	14.909	14.909	14.909
611	17.336	16.751	16.875	16.919	17.038	15.885	15.918	16.065	16.017	14.958	14.897	15.133	15.260	14.909	14.909	14.909	14.909
6114	3.650	4.700	4.693	5.501	5.061	4.621	4.826	5.728	5.316	4.496	4.404	4.657	4.756	4.750	4.750	4.750	4.750
61143	3.338	4.442	4.485	5.356	4.990	4.431	4.587	5.513	5.248	4.459	4.319	4.526	4.701	4.689	4.689	4.689	4.689
611430	3.338	4.442	4.485	5.356	4.990	4.431	4.587	5.513	5.248	4.459	4.319	4.526	4.701	4.689	4.689	4.689	4.689
6115	5.936	5.818	6.130	5.808	5.965	5.859	5.408	5.429	5.739	5.523	5.370	5.124	5.387	5.804	5.804	5.804	5.804
61151	5.936	5.818	6.130	5.808	5.965	5.859	5.408	5.429	5.739	5.523	5.370	5.124	5.387	5.804	5.804	5.804	5.804
611511	0.712	0.519	0.626	0.643	0.735	0.635	0.671	0.634	0.529	0.534	0.753	0.535	0.532	0.497	0.497	0.497	0.497
611512	3.059	2.010	2.850	2.601	3.482	2.471	2.712	2.696	3.414	2.282	2.769	2.667	3.363	3.352	3.352	3.352	3.352
611513	0.480	0.307	0.380	0.414	0.485	0.444	0.425	0.396	0.418	0.409	0.374	0.391	0.406	0.417	0.364	0.382	0.362
611519	4.873	5.537	5.729	5.358	4.538	4.980	4.631	4.625	4.346	4.707	4.397	4.234	3.849	4.532	4.532	4.532	4.532
6116	5.165	4.195	4.839	4.960	4.819	3.719	4.450	4.516	4.547	4.158	4.340	4.250	4.243	3.938	3.938	3.938	3.938
61161	1.040	1.040	1.200	1.246	1.211	1.036	1.240	1.151	1.159	1.482	1.322	0.977	0.976	1.060	1.060	1.060	1.060
611610	1.026	1.026	1.183	1.229	1.194	1.021	1.222	1.135	1.143	1.461	1.304	0.964	0.962	1.045	1.045	1.045	1.045
61169	3.633	2.985	3.008	3.194	3.040	2.490	2.521	2.683	2.661	2.328	2.459	2.496	2.422	2.101	2.101	2.101	2.101
611691	2.718	1.600	1.586	1.791	1.748	1.159	1.175	1.412	1.429	1.088	1.199	1.318	1.392	1.019	1.019	1.019	1.019
62	1270.772	1305.631	1252.308	1227.054	1253.383	1199.362	1223.223	1209.581	1213.257	1146.383	1171.306	1163.526	1169.056	1142.418	1142.418	1142.418	1142.418
621	553.020	499.905	507.318	492.194	507.671	452.978	468.361	460.765	465.878	442.691	454.475	456.369	454.009	455.832	455.832	455.832	455.832
6211	294.435	249.538	254.777	243.937	259.120	234.470	245.779	239.756	246.237	231.515	236.025	235.553	235.249	238.584	238.584	238.584	238.584
62111	294.435	249.538	254.777	243.937	259.120	234.470	245.779	239.756	246.237	231.515	236.025	235.553	235.249	238.584	238.584	238.584	238.584
621111	291.868	247.106	251.957	241.512	256.239	232.029	242.720	236.937	242.919	231.035	235.551	235.143	234.931	238.066	238.066	238.066	238.066
621112	4.123	4.274	4.960	4.155	4.392	4.247	5.299	4.704	4.887	1.346	1.348	1.258	1.165	1.422	1.422	1.422	1.422
6212	62.951	59.252	62.572	61.807	59.693	56.588	58.776	58.978	57.421	53.747	56.836	56.511	55.472	55.312	55.312	55.312	55.312
62121	62.951	59.252	62.572	61.807	59.693	56.588	58.776	58.978	57.421	53.747	56.836	56.511	55.472	55.312	55.312	55.312	55.312
621210	62.951	59.252	62.572	61.807	59.693	56.588	58.776	58.978	57.421	53.747	56.836	56.511	55.472	55.312	55.312	55.312	55.312
6213	56.197	47.155	50.626	49.367	50.572	40.570	44.070	44.484	45.625	36.840	39.272	41.392	41.495	36.827	36.827	36.827	36.827
62131	11.675	10.994	11.484	10.358	10.175	9.711	10.048	9.875	9.688	9.566	9.422	9.450	9.188	9.189	9.189	9.189	9.189
621310	11.675	10.994	11.484	10.358	10.175	9.711	10.048	9.875	9.688	9.566	9.422	9.450	9.188	9.189	9.189	9.189	9.189
62132	17.637	14.786	15.059	12.870	12.962	11.939	11.156	11.069	11.125	10.261	10.118	10.614	10.230	9.946	9.946	9.946	9.946
621320	17.637	14.786	15.059	12.870	12.962	11.939	11.156	11.069	11.125	10.261	10.118	10.614	10.230	9.946	9.946	9.946	9.946
62133	3.978	3.773	4.013	4.169	3.524	2.979	3.680	3.661	3.166	2.760	3.463	3.015	2.771	2.391	2.391	2.391	2.391
621330	3.978	3.773	4.013	4.169	3.524	2.979	3.680	3.661	3.166	2.760	3.463	3.015	2.771	2.391	2.391	2.391	2.391
62134	13.902	14.955	14.444	14.554	14.523	13.281	13.374	13.699	14.377	12.226	12.088	12.967	13.281	11.289	11.289	11.289	11.289

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
621340	14.099	15.167	14.648	14.760	14.729	13.470	13.563	13.893	14.581	12.399	12.259	13.151	13.469	11.449	11.449	11.449	11.449
62139	10.624	4.342	6.606	7.213	8.736	3.715	5.641	5.824	6.232	3.164	4.433	5.020	5.177	4.202	4.202	4.202	4.202
621391	1.637	0.404	0.544	0.773	0.660	0.620	0.595	0.569	0.541	0.616	0.591	0.551	0.512	0.574	0.574	0.574	0.574
621399	9.016	3.832	5.994	6.416	8.116	3.177	5.021	5.223	5.717	2.674	3.852	4.454	4.685	3.641	3.641	3.641	3.641
6214	63.974	58.382	57.999	54.024	54.139	46.505	44.602	44.919	43.033	40.606	42.415	41.892	42.994	38.744	38.744	38.744	38.744
62142	11.092	8.843	9.646	8.799	9.274	7.586	8.066	7.510	7.498	6.527	8.399	8.030	8.313	7.177	7.177	7.177	7.177
621420	11.092	8.843	9.646	8.799	9.274	7.586	8.066	7.510	7.498	6.527	8.399	8.030	8.313	7.177	7.177	7.177	7.177
62149	48.216	46.376	46.694	40.986	40.723	35.931	34.326	33.301	31.409	31.083	30.506	28.778	29.129	28.219	28.219	28.219	28.219
621492	16.228	17.539	17.660	15.501	15.402	13.589	12.032	13.613	11.493	10.965	9.965	10.588	10.035	9.634	8.881	9.922	8.780
621493	16.360	13.880	12.726	10.167	9.082	11.601	9.410	11.399	8.484	9.361	9.123	8.804	8.292	9.174	9.174	9.174	9.174
621498	20.446	21.704	24.278	19.625	21.362	19.844	18.742	17.356	17.094	15.487	15.388	14.027	14.807	13.481	13.481	13.481	13.481
6215	71.635	88.580	79.494	85.050	80.731	35.923	37.981	35.639	33.355	33.459	31.906	32.418	31.360	31.137	31.137	31.137	31.137
62151	71.635	88.580	79.494	85.050	80.731	35.923	37.981	35.639	33.355	33.459	31.906	32.418	31.360	31.137	31.137	31.137	31.137
621511	85.144	104.424	105.467	105.008	98.952	25.438	29.916	24.719	20.680	24.175	22.823	23.069	20.704	22.840	22.840	22.840	22.840
621512	9.858	9.801	8.936	9.776	10.266	9.863	9.560	9.897	9.929	9.019	8.628	8.828	8.980	8.273	8.273	8.273	8.273
6216	25.574	28.685	27.644	27.668	28.637	30.286	28.103	28.542	29.414	32.049	32.512	33.176	33.237	34.399	34.399	34.399	34.399
62161	25.574	28.685	27.644	27.668	28.637	30.286	28.103	28.542	29.414	32.049	32.512	33.176	33.237	34.399	34.399	34.399	34.399
621610	25.574	28.685	27.644	27.668	28.637	30.286	28.103	28.542	29.414	32.049	32.512	33.176	33.237	34.399	34.399	34.399	34.399
6219	16.554	18.651	19.418	19.127	17.869	17.568	18.028	17.763	16.796	17.828	19.040	19.431	18.270	19.931	19.931	19.931	19.931
62191	11.317	12.535	13.131	13.045	12.462	11.568	11.329	10.801	10.451	11.498	12.365	12.502	13.023	10.769	10.769	10.769	10.769
621910	11.317	12.535	13.131	13.045	12.462	11.568	11.329	10.801	10.451	11.498	12.365	12.502	13.023	10.769	10.769	10.769	10.769
62199	6.720	7.694	7.836	7.979	7.149	7.346	7.677	7.871	7.257	7.554	7.922	8.369	7.190	9.307	9.307	9.307	9.307
621991	4.406	6.308	5.868	6.066	4.903	5.878	5.714	5.874	4.878	5.912	5.749	6.149	5.006	7.731	7.731	7.731	7.731
621999	1.692	1.583	1.745	1.723	1.740	1.541	1.718	1.719	1.794	1.611	1.807	1.845	1.730	1.894	1.894	1.894	1.894
622	478.725	579.859	514.455	508.248	521.060	540.091	540.381	536.763	538.096	515.888	525.117	519.427	526.387	501.609	501.609	501.609	501.609
6221	445.066	539.499	498.964	472.717	485.055	505.762	507.695	496.661	492.575	477.790	490.667	480.686	486.393	471.473	471.473	471.473	471.473
62211	445.066	539.499	498.964	472.717	485.055	505.762	507.695	496.661	492.575	477.790	490.667	480.686	486.393	471.473	471.473	471.473	471.473
622110	445.066	539.499	498.964	472.717	485.055	505.762	507.695	496.661	492.575	477.790	490.667	480.686	486.393	471.473	471.473	471.473	471.473
623	113.403	120.664	114.250	111.688	109.385	113.271	111.938	109.790	104.680	97.556	97.810	93.777	95.268	95.061	95.061	95.061	95.061
6231	71.098	76.182	70.593	69.499	68.785	68.077	62.869	60.912	57.686	52.359	51.314	45.491	48.131	50.239	50.239	50.239	50.239
62311	71.098	76.182	70.593	69.499	68.785	68.077	62.869	60.912	57.686	52.359	51.314	45.491	48.131	50.239	50.239	50.239	50.239
623110	71.098	76.182	70.593	69.499	68.785	68.077	62.869	60.912	57.686	52.359	51.314	45.491	48.131	50.239	50.239	50.239	50.239
6232	13.942	14.678	14.504	13.698	14.198	16.218	16.855	16.752	16.618	16.523	17.084	16.925	17.186	16.893	16.893	16.893	16.893
62321	9.791	9.988	10.301	9.927	10.025	10.054	10.714	10.653	10.422	10.665	11.241	10.932	11.142	11.051	11.051	11.051	11.051
623210	9.791	9.988	10.301	9.927	10.025	10.054	10.714	10.653	10.422	10.665	11.241	10.932	11.142	11.051	11.051	11.051	11.051
62322	4.374	4.773	4.493	4.098	4.423	5.876	5.929	5.901	5.930	5.728	5.794	5.860	5.924	5.766	5.766	5.766	5.766
623220	4.374	4.773	4.493	4.098	4.423	5.876	5.929	5.901	5.930	5.728	5.794	5.860	5.924	5.766	5.766	5.766	5.766
6233	32.267	35.860	33.595	33.888	30.960	31.961	31.587	31.487	28.638	25.497	25.199	25.792	24.498	23.856	23.856	23.856	23.856
62331	32.267	35.860	33.595	33.888	30.960	31.961	31.587	31.487	28.638	25.497	25.199	25.792	24.498	23.856	23.856	23.856	23.856
623311	18.488	20.998	19.430	19.789	17.859	18.861	18.472	18.312	16.645	14.450	14.431	14.550	13.976	12.459	12.459	12.459	12.459
623312	9.716	9.405	9.598	9.207	8.873	7.855	8.283	8.820	7.739	8.419	7.721	8.822	7.601	11.704	11.704	11.704	11.704
6239	5.093	4.581	3.846	3.585	3.658	3.665	4.343	4.061	4.128	4.056	4.186	3.982	4.294	3.929	3.929	3.929	3.929
62399	5.093	4.581	3.846	3.585	3.658	3.665	4.343	4.061	4.128	4.056	4.186	3.982	4.294	3.929	3.929	3.929	3.929
623990	5.093	4.581	3.846	3.585	3.658	3.665	4.343	4.061	4.128	4.056	4.186	3.982	4.294	3.929	3.929	3.929	3.929
624	105.813	109.475	108.411	106.153	105.862	100.901	102.970	103.623	102.227	90.490	89.517	87.979	87.648	80.529	80.529	80.529	80.529
6241	53.239	58.357	56.789	54.939	56.400	53.624	54.380	54.100	54.138	48.749	47.130	45.985	46.613	40.188	40.188	40.188	40.188
62411	6.073	6.027	5.763	6.243	6.084	5.045	5.456	5.753	5.856	5.417	5.305	5.220	5.274	4.073	4.073	4.073	4.073
624110	6.073	6.027	5.763	6.243	6.084	5.045	5.456	5.753	5.856	5.417	5.305	5.220	5.274	4.073	4.073	4.073	4.073
62412	22.560	24.402	24.640	23.515	24.420	24.375	23.458	23.032	22.373	19.081	17.507	17.388	16.268	13.079	13.079	13.079	13.079
624120	22.560	24.402	24.640	23.515	24.420	24.375	23.458	23.032	22.373	19.081	17.507	17.388	16.268	13.079	13.079	13.079	13.079
62419	26.975	30.722	29.242	28.178	28.536	27.601	28.129	28.098	28.020	26.043	25.494	24.794	25.746	23.134	23.134	23.134	23.134
624190	26.975	30.722	29.242	28.178	28.536	27.601	28.129	28.098	28.020	26.043	25.494	24.794	25.746	23.134	23.134	23.134	23.134
6242	17.164	16.849	17.734	19.857	16.323	15.975	17.246	18.748	16.284	10.191	11.336	10.917	9.657	13.041	13.041	13.041	13.041
6243	11.596	11.596	11.869	12.652	11.088	10.403	10.562	11.898	11.050	8.852	8.057	7.223	7.646	7.712	7.712	7.712	7.712
62431	11.596	11.596	11.869	12.652	11.088	10.403	10.562	11.898	11.050	8.852	8.057	7.223	7.646	7.712	7.712	7.712	7.712
624310	11.596	11.596	11.869	12.652	11.088	10.403	10.562	11.898	11.050	8.852	8.057	7.223	7.646	7.712	7.712	7.712	7.712

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
6244	17.059	14.723	15.054	14.271	14.233	13.662	13.934	13.853	13.718	13.659	14.348	14.617	14.294	13.805	13.805	13.805	13.805
62441	17.059	14.723	15.054	14.271	14.233	13.662	13.934	13.853	13.718	13.659	14.348	14.617	14.294	13.805	13.805	13.805	13.805
624410	17.059	14.723	15.054	14.271	14.233	13.662	13.934	13.853	13.718	13.659	14.348	14.617	14.294	13.805	13.805	13.805	13.805
71	142.432	139.992	130.684	130.095	118.453	150.065	122.961	121.926	118.684	118.069	114.693	114.092	116.863	111.637	111.637	111.637	111.637
711	61.059	76.911	74.623	70.476	58.069	74.537	69.086	62.384	55.736	64.712	51.091	51.227	47.432	50.287	50.287	50.287	50.287
7112	14.252	15.644	19.677	16.795	15.210	15.333	18.647	14.529	13.749	11.129	9.630	9.571	9.312	9.070	9.070	9.070	9.070
71121	14.252	15.644	19.677	16.795	15.210	15.333	18.647	14.529	13.749	11.129	9.630	9.571	9.312	9.070	9.070	9.070	9.070
7113	3.104	4.072	3.256	3.042	2.901	3.575	3.104	2.864	2.766	3.696	2.941	2.923	3.110	3.247	3.247	3.247	3.247
71131	0.475	0.328	0.472	0.369	0.432	0.301	0.442	0.360	0.437	0.363	0.444	0.377	0.427	0.386	0.386	0.386	0.386
711310	0.475	0.328	0.472	0.369	0.432	0.301	0.442	0.360	0.437	0.363	0.444	0.377	0.427	0.386	0.386	0.386	0.386
71132	2.641	3.865	2.826	2.730	2.486	3.377	2.704	2.549	2.334	3.427	2.529	2.587	2.719	2.927	2.927	2.927	2.927
711320	2.641	3.865	2.826	2.730	2.486	3.377	2.704	2.549	2.334	3.427	2.529	2.587	2.719	2.927	2.927	2.927	2.927
7114	0.107	0.283	0.355	0.356	0.325	0.695	0.347	0.219	0.187	0.138	0.196	0.307	0.245	0.182	0.182	0.182	0.182
71141	0.107	0.283	0.355	0.356	0.325	0.695	0.347	0.219	0.187	0.138	0.196	0.307	0.245	0.182	0.182	0.182	0.182
711410	0.107	0.283	0.355	0.356	0.325	0.695	0.347	0.219	0.187	0.138	0.196	0.307	0.245	0.182	0.182	0.182	0.182
712	6.083	6.099	6.116	5.802	6.110	5.993	5.595	5.404	5.497	5.327	5.131	4.925	4.987	4.759	4.759	4.759	4.759
7121	6.083	6.099	6.116	5.802	6.110	5.993	5.595	5.404	5.497	5.327	5.131	4.925	4.987	4.759	4.759	4.759	4.759
713	118.400	107.718	100.033	101.418	92.346	121.318	94.995	96.617	95.381	90.296	93.864	93.690	98.262	91.819	91.819	91.819	91.819
7139	14.487	12.196	11.154	11.156	11.242	10.839	10.193	10.516	10.850	10.249	10.664	10.761	11.406	10.695	10.695	10.695	10.695
71391	10.212	10.863	10.408	9.907	9.810	10.244	9.763	9.714	9.836	9.597	9.627	9.783	9.931	9.834	9.834	9.834	9.834
713910	10.212	10.863	10.408	9.907	9.810	10.244	9.763	9.714	9.836	9.597	9.627	9.783	9.931	9.834	9.834	9.834	9.834
71393	1.057	0.607	0.833	0.747	0.929	0.833	0.851	0.682	1.151	0.738	1.171	0.909	1.054	1.079	1.079	1.079	1.079
713930	1.057	0.607	0.833	0.747	0.929	0.833	0.851	0.682	1.151	0.738	1.171	0.909	1.054	1.079	1.079	1.079	1.079
71394	14.796	10.230	9.769	10.013	10.430	9.630	9.450	10.022	10.210	9.617	9.846	9.898	11.397	10.046	10.046	10.046	10.046
713940	14.725	10.181	9.722	9.965	10.380	9.584	9.405	9.974	10.161	9.571	9.799	9.851	11.342	9.998	9.998	9.998	9.998
71395	4.678	5.285	5.294	5.929	2.983	2.612	2.656	2.516	1.830	2.131	2.303	2.372	2.463	2.243	2.243	2.243	2.243
713950	4.678	5.285	5.294	5.929	2.983	2.612	2.656	2.516	1.830	2.131	2.303	2.372	2.463	2.243	2.243	2.243	2.243
71399	9.310	8.126	4.091	4.114	6.667	7.022	4.403	5.173	5.679	5.435	6.001	6.434	5.029	5.487	5.487	5.487	5.487
713990	9.310	8.126	4.091	4.114	6.667	7.022	4.403	5.173	5.679	5.435	6.001	6.434	5.029	5.487	5.487	5.487	5.487
72	389.268	403.752	396.016	385.440	375.440	370.275	368.365	359.908	350.864	345.005	350.609	338.706	338.146	335.785	335.785	335.785	335.785
721	86.192	101.410	91.654	95.274	91.466	81.963	82.984	80.536	79.405	81.352	79.543	82.463	82.976	82.760	82.760	82.760	82.760
7211	80.436	94.615	85.719	89.191	85.547	76.538	77.595	75.269	74.147	75.718	74.334	76.832	77.362	76.553	76.553	76.553	76.553
72111	50.034	59.117	53.445	55.829	53.396	47.819	48.459	46.935	46.115	47.254	46.322	47.922	48.325	47.859	47.859	47.859	47.859
721110	50.034	59.117	53.445	55.829	53.396	47.819	48.459	46.935	46.115	47.254	46.322	47.922	48.325	47.859	47.859	47.859	47.859
72119	0.738	0.675	0.697	0.575	0.654	0.549	0.574	0.596	0.686	0.573	0.623	0.601	0.564	0.530	0.530	0.530	0.530
721191	0.355	0.327	0.273	0.244	0.277	0.215	0.225	0.252	0.284	0.229	0.215	0.225	0.211	0.194	0.194	0.194	0.194
721199	0.354	0.304	0.415	0.321	0.364	0.326	0.342	0.332	0.390	0.334	0.415	0.375	0.352	0.336	0.336	0.336	0.336
722	301.856	308.069	305.452	294.743	287.649	287.130	285.082	278.578	271.359	265.456	271.104	259.508	258.827	256.869	256.869	256.869	256.869
7223	9.835	11.324	11.283	10.437	9.561	11.669	11.469	10.941	11.093	9.898	10.048	10.070	10.477	10.271	10.271	10.271	10.271
72231	8.468	10.223	9.735	9.345	8.326	9.474	9.713	10.867	9.439	8.776	9.292	10.287	9.169	9.146	9.146	9.146	9.146
722310	8.468	10.223	9.735	9.345	8.326	9.474	9.713	10.867	9.439	8.776	9.292	10.287	9.169	9.146	9.146	9.146	9.146
7224	10.324	10.288	10.210	10.144	9.289	8.430	8.403	8.037	7.198	7.257	7.691	7.523	6.832	7.390	7.390	7.390	7.390
72241	10.324	10.288	10.210	10.144	9.289	8.430	8.403	8.037	7.198	7.257	7.691	7.523	6.832	7.390	7.390	7.390	7.390
722410	10.324	10.288	10.210	10.144	9.289	8.430	8.403	8.037	7.198	7.257	7.691	7.523	6.832	7.390	7.390	7.390	7.390
81	227.045	238.659	231.050	229.184	226.789	226.895	225.361	220.951	223.111	219.424	217.113	215.169	217.351	217.144	217.144	217.144	217.144
811	88.416	85.604	90.216	89.030	90.660	80.957	86.252	86.824	89.938	80.003	83.738	83.544	87.522	89.213	89.213	89.213	89.213
8111	54.165	53.126	54.102	52.895	50.723	49.358	50.887	50.471	49.834	47.514	49.333	47.497	48.785	47.913	47.913	47.913	47.913
81111	24.503	23.319	24.265	24.177	22.870	21.972	22.456	22.572	22.584	20.672	21.538	21.095	21.468	22.169	22.169	22.169	22.169
811111	22.710	21.868	21.777	21.665	20.728	19.537	19.609	19.644	20.014	18.570	18.702	18.213	18.660	19.882	19.882	19.882	19.882
811112	0.971	0.695	0.889	0.971	0.971	0.308	0.346	0.378	0.327	0.241	0.281	0.313	0.312	0.254	0.254	0.254	0.254
811113	1.458	1.552	1.670	1.753	1.571	1.935	1.696	1.733	1.451	1.683	1.592	1.638	1.603	1.502	1.502	1.502	1.502
811118	0.579	0.564	0.659	0.639	0.573	0.722	0.820	0.819	0.809	0.679	0.823	0.798	0.798	0.761	0.761	0.761	0.761
81112	21.848	22.575	22.449	21.317	20.115	20.424	21.098	20.347	20.068	20.027	20.659	19.822	20.026	18.738	18.738	18.738	18.738
811121	17.694	18.370	18.190	17.281	16.105	16.610	17.087	16.420	15.952	15.579	16.271	15.482	15.467	14.572	14.572	14.572	14.572
811122	3.103	3.210	3.393	3.217	3.264	2.923	3.204	3.210	3.509	4.249	4.005	4.091	4.491	3.984	3.984	3.984	3.984
81119	7.881	7.441	7.571	7.482	7.790	7.098	7.490	7.604	7.241	6.976	7.309	6.695	7.378	7.031	7.031	7.031	7.031

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
811191	3.882	3.777	3.895	3.780	3.837	3.776	3.847	4.130	3.907	3.647	3.792	3.866	3.607	3.784	3.784	3.784	3.784
811192	3.590	3.169	3.360	3.204	3.638	2.951	3.432	3.310	3.080	2.839	3.171	2.573	3.295	2.945	2.945	2.945	2.945
811198	0.295	0.267	0.294	0.287	0.299	0.388	0.262	0.297	0.339	0.437	0.351	0.397	0.377	0.358	0.358	0.358	0.358
8112	4.561	5.905	4.511	4.952	5.026	5.371	4.779	5.308	5.950	6.945	5.616	6.083	6.349	6.081	6.081	6.081	6.081
81121	4.561	5.905	4.511	4.952	5.026	5.371	4.779	5.308	5.950	6.945	5.616	6.083	6.349	6.081	6.081	6.081	6.081
811212	0.969	0.925	1.044	0.808	0.902	0.760	0.819	0.831	0.790	0.783	0.750	0.741	0.790	1.010	1.010	1.010	1.010
811219	3.262	4.283	3.202	3.570	3.608	3.889	3.419	3.781	4.334	5.085	4.072	4.392	4.629	4.303	4.359	4.282	4.329
8113	29.926	25.119	31.944	29.983	34.592	24.644	29.923	29.206	31.694	22.258	26.366	26.734	29.527	32.536	32.536	32.536	32.536
81131	29.926	25.119	31.944	29.983	34.592	24.644	29.923	29.206	31.694	22.258	26.366	26.734	29.527	32.536	32.536	32.536	32.536
811310	29.926	25.119	31.944	29.983	34.592	24.644	29.923	29.206	31.694	22.258	26.366	26.734	29.527	32.536	32.536	32.536	32.536
8114	2.111	2.414	2.355	2.371	2.387	2.407	2.379	2.399	2.620	2.559	2.463	2.467	2.414	2.657	2.657	2.657	2.657
81141	0.901	1.135	0.997	1.064	1.095	1.072	1.010	0.989	1.240	1.191	1.053	1.053	1.101	1.277	1.277	1.277	1.277
81142	0.246	0.337	0.333	0.317	0.299	0.319	0.337	0.294	0.339	0.354	0.352	0.328	0.279	0.317	0.317	0.317	0.317
811420	0.246	0.337	0.333	0.317	0.299	0.319	0.337	0.294	0.339	0.354	0.352	0.328	0.279	0.317	0.317	0.317	0.317
81149	1.334	1.166	1.582	1.398	1.459	1.303	1.539	1.637	1.615	1.336	1.378	1.463	1.408	1.331	1.331	1.331	1.331
811490	1.348	1.178	1.598	1.412	1.474	1.317	1.554	1.654	1.632	1.350	1.392	1.478	1.422	1.344	1.344	1.344	1.344
812	46.747	48.464	48.360	47.246	46.365	46.320	47.510	45.881	45.662	44.826	45.442	44.365	43.272	42.905	42.905	42.905	42.905
8121	15.651	16.320	16.066	16.510	15.335	14.984	15.055	15.435	14.585	14.205	13.975	14.129	13.517	13.150	13.150	13.150	13.150
81211	10.815	11.506	11.114	11.390	10.759	10.154	10.383	10.548	10.212	9.690	9.500	9.464	9.077	8.975	8.975	8.975	8.975
812111	0.430	0.460	0.348	0.351	0.337	0.362	0.272	0.270	0.192	0.195	0.139	0.190	0.147	0.172	0.172	0.172	0.172
812112	8.441	9.221	9.049	9.245	8.878	8.422	8.447	8.655	8.569	8.167	8.172	8.197	7.913	7.844	7.844	7.844	7.844
812113	2.956	2.335	2.110	2.197	2.026	1.584	2.129	1.997	1.983	1.617	1.372	1.112	1.092	0.942	0.942	0.942	0.942
81219	4.718	4.704	4.831	5.003	4.419	4.753	4.566	4.801	4.229	4.439	4.409	4.630	4.405	4.105	4.105	4.105	4.105
812191	0.831	1.042	0.763	0.781	0.621	0.840	0.803	0.834	0.662	1.352	1.201	1.499	1.094	1.282	1.282	1.282	1.282
812199	3.688	3.468	3.766	3.912	3.556	3.609	3.514	3.706	3.360	3.094	3.154	3.179	3.237	2.845	2.845	2.845	2.845
8122	7.972	7.865	8.582	7.631	8.238	7.616	8.042	7.397	8.069	7.387	7.968	7.258	7.681	7.766	7.766	7.766	7.766
81221	7.006	7.060	7.762	7.065	7.303	6.844	7.083	6.559	6.819	6.517	6.651	6.322	6.711	6.521	6.521	6.521	6.521
812210	7.028	7.081	7.785	7.086	7.325	6.865	7.104	6.579	6.840	6.537	6.671	6.342	6.732	6.541	6.541	6.541	6.541
81222	1.118	1.015	1.060	0.869	1.102	0.977	1.140	1.042	1.363	1.041	1.412	1.101	1.110	1.347	1.347	1.347	1.347
812220	1.118	1.015	1.060	0.869	1.102	0.977	1.140	1.042	1.363	1.041	1.412	1.101	1.110	1.347	1.347	1.347	1.347
8123	15.040	15.740	15.377	15.179	14.933	15.510	15.660	14.798	14.715	14.939	15.039	14.836	14.468	14.861	14.861	14.861	14.861
81231	2.908	3.134	3.070	2.958	2.716	3.268	3.208	2.644	2.299	2.418	2.226	1.985	1.709	1.958	1.958	1.958	1.958
812310	3.160	3.407	3.337	3.215	2.952	3.553	3.487	2.874	2.499	2.628	2.419	2.158	1.857	2.129	2.129	2.129	2.129
81232	3.916	4.500	4.437	4.372	4.112	4.453	4.494	4.388	4.183	4.513	4.592	4.498	4.275	4.671	4.671	4.671	4.671
812320	3.991	4.586	4.522	4.455	4.191	4.538	4.580	4.472	4.263	4.599	4.680	4.585	4.357	4.761	4.761	4.761	4.761
81233	8.599	8.826	8.535	8.434	8.438	8.631	8.684	8.215	8.351	8.388	8.417	8.394	8.284	8.302	8.302	8.302	8.302
8129	7.805	8.067	8.105	7.457	7.656	7.798	8.530	7.952	8.260	8.014	8.387	7.891	7.452	6.846	6.846	6.846	6.846
81291	2.313	2.370	2.410	2.294	2.262	1.990	2.290	2.047	2.139	1.782	2.000	1.905	1.890	1.674	1.674	1.674	1.674
812910	2.313	2.370	2.410	2.294	2.262	1.990	2.290	2.047	2.139	1.782	2.000	1.905	1.890	1.674	1.674	1.674	1.674
81293	3.310	3.667	3.302	3.223	3.460	3.986	4.044	3.940	3.985	4.203	4.271	3.933	3.555	3.415	3.415	3.415	3.415
812930	3.310	3.667	3.302	3.223	3.460	3.986	4.044	3.940	3.985	4.203	4.271	3.933	3.555	3.415	3.415	3.415	3.415
813	90.521	97.838	91.130	92.268	88.518	91.996	89.767	85.837	85.435	86.447	86.334	85.682	85.063	82.994	82.994	82.994	82.994
8132	64.961	67.615	66.470	69.125	63.576	65.966	71.693	56.804	56.510	64.524	63.615	61.344	58.001	53.865	53.865	53.865	53.865
81321	64.961	67.615	66.470	69.125	63.576	65.966	71.693	56.804	56.510	64.524	63.615	61.344	58.001	53.865	53.865	53.865	53.865
813211	46.552	58.703	54.743	58.660	52.214	58.864	63.306	44.689	44.399	55.717	53.990	51.587	48.118	45.591	45.591	45.591	45.591
813212	9.065	4.600	5.568	5.627	5.716	4.613	6.438	4.287	4.076	4.087	4.271	4.132	3.891	3.591	3.591	3.591	3.591
813219	6.614	6.217	6.823	7.907	7.312	6.234	7.890	6.024	6.203	5.379	5.459	5.444	5.444	4.683	4.683	4.683	4.683
8133	6.166	7.415	6.270	6.254	6.315	7.054	6.233	6.062	6.079	5.927	5.252	5.059	5.158	5.451	5.451	5.451	5.451
81331	6.166	7.415	6.270	6.254	6.315	7.054	6.233	6.062	6.079	5.927	5.252	5.059	5.158	5.451	5.451	5.451	5.451
813319	3.836	4.787	3.998	4.043	4.086	4.601	3.904	3.789	3.831	3.878	3.280	3.148	3.263	3.513	3.513	3.513	3.513
8134	6.647	7.798	7.462	6.768	6.745	7.060	7.405	6.793	6.809	6.857	7.127	6.910	6.953	7.148	7.148	7.148	7.148
81341	6.647	7.798	7.462	6.768	6.745	7.060	7.405	6.793	6.809	6.857	7.127	6.910	6.953	7.148	7.148	7.148	7.148
813410	6.647	7.798	7.462	6.768	6.745	7.060	7.405	6.793	6.809	6.857	7.127	6.910	6.953	7.148	7.148	7.148	7.148
8139	24.776	25.593	23.931	24.845	23.519	23.896	22.601	23.328	22.789	22.122	22.979	23.403	23.192	21.991	21.991	21.991	21.991
81391	15.249	13.263	13.252	13.991	13.766	13.488	12.759	13.384	13.015	12.156	12.788	13.686	13.660	12.907	12.907	12.907	12.907
813910	15.249	13.263	13.252	13.991	13.766	13.488	12.759	13.384	13.015	12.156	12.788	13.686	13.660	12.907	12.907	12.907	12.907

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
81392	6.658	7.446	7.439	8.840	8.698	7.572	7.163	7.670	7.459	6.264	6.112	7.363	7.349	6.911	6.911	6.911	6.911
813920	6.658	7.446	7.439	8.840	8.698	7.572	7.163	7.670	7.459	6.264	6.112	7.363	7.349	6.911	6.911	6.911	6.911

Method 8. We first compute the revenues-to-payroll ratio from 2012 Economic Census' for Tulsa County. We then correct for missing information. The corrected ratio then is used in conjunction with the quarterly payrolls to generate the revenue estimates. This method generates only one estimate. The following table reports this estimate.

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
51	42.155	43.427	39.135	40.657	40.034	47.434	41.176	44.670	45.589	46.085	41.363	51.365	40.469	45.024	41.565	42.722	47.892
511	42.978	40.730	39.499	40.431	42.570	38.415	40.776	41.202	46.607	43.149	45.577	44.555	86.157	45.589	46.112	46.994	49.625
5111	32.484	30.776	30.016	31.432	32.613	29.240	31.910	32.555	35.123	33.021	35.871	35.520	75.891	35.933	37.233	37.913	39.772
51111	10.851	9.731	9.546	10.433	10.569	9.264	10.029	8.726	10.221	11.106	11.783	10.206	47.323	13.493	14.226	12.492	14.504
511110	10.851	9.731	9.546	10.433	10.569	9.264	10.029	8.726	10.221	11.106	11.783	10.206	47.323	13.493	14.226	12.492	14.504
51112	20.741	17.656	17.420	19.909	19.701	16.893	18.141	19.966	20.815	18.958	19.654	20.865	20.532	17.639	18.424	20.801	20.416
511120	20.741	17.656	17.420	19.909	19.701	16.893	18.141	19.966	20.815	18.958	19.654	20.865	20.532	17.639	18.424	20.801	20.416
51114	3.809	3.242	3.199	3.656	3.618	3.102	3.331	3.666	3.822	3.481	3.921	4.162	4.096	3.519	3.676	4.150	4.073
511140	3.809	3.242	3.199	3.656	3.618	3.102	3.331	3.666	3.822	3.481	3.921	4.162	4.096	3.519	3.676	4.150	4.073
5112	10.790	10.236	9.730	9.144	10.183	9.408	8.981	8.716	11.820	10.362	9.804	9.060	9.217	9.745	8.834	9.041	9.850
51121	10.790	10.236	9.730	9.144	10.183	9.408	8.981	8.716	11.820	10.362	9.804	9.060	9.217	9.745	8.834	9.041	9.850
511210	10.790	10.236	9.730	9.144	10.183	9.408	8.981	8.716	11.820	10.362	9.804	9.060	9.217	9.745	8.834	9.041	9.850
51213	13.112	11.506	11.804	12.142	12.446	8.896	7.488	7.718	7.651	7.341	7.990	7.905	7.393	7.176	7.989	8.008	6.857
515	27.014	27.240	24.323	26.602	26.193	27.482	22.765	27.341	26.792	27.261	24.220	26.398	24.200	28.232	24.240	25.536	27.498
515111	0.837	0.828	0.785	0.880	0.824	0.884	0.834	0.866	0.856	0.980	0.850	0.935	0.858	0.935	0.837	0.892	0.943
51512	21.768	21.120	18.648	19.856	20.075	19.845	15.825	19.292	19.593	19.925	16.899	18.768	17.217	17.625	15.523	16.547	17.488
515120	21.768	21.120	18.648	19.856	20.075	19.845	15.825	19.292	19.593	19.925	16.899	18.768	17.217	17.625	15.523	16.547	17.488
517	1.782	1.505	1.537	1.450	1.951	1.465	1.631	1.496	2.058	1.494	1.614	1.426	1.946	1.588	1.656	1.513	2.041
517110	2.862	2.570	2.650	2.279	3.261	2.239	2.630	2.364	3.485	2.339	2.614	2.318	3.366	2.399	2.548	2.272	3.263
517911	4.027	0.703	0.464	3.027	3.053	3.983	3.602	3.964	4.394	3.782	3.007	2.581	2.627	2.278	2.318	2.263	2.596
518	13.359	14.681	13.276	12.605	11.890	18.487	16.780	15.834	16.739	17.330	15.529	23.542	14.322	15.205	15.668	15.673	18.352
5182	13.359	14.681	13.276	12.605	11.890	18.487	16.780	15.834	16.739	17.330	15.529	23.542	14.322	15.205	15.668	15.673	18.352
51821	13.359	14.681	13.276	12.605	11.890	18.487	16.780	15.834	16.739	17.330	15.529	23.542	14.322	15.205	15.668	15.673	18.352
518210	13.359	14.681	13.276	12.605	11.890	18.487	16.780	15.834	16.739	17.330	15.529	23.542	14.322	15.205	15.668	15.673	18.352
51913	4.261	4.512	3.720	3.351	3.192	7.920	3.179	4.813	3.837	11.903	4.762	4.878	4.398	2.412	2.135	1.963	1.462
519130	4.261	4.512	3.720	3.351	3.192	7.920	3.179	4.813	3.837	11.903	4.762	4.878	4.398	2.412	2.135	1.963	1.462
52	222.128	201.159	185.506	194.049	219.331	199.292	174.660	200.001	243.575	197.326	173.040	185.236	207.269	187.668	165.952	171.204	192.670
522130	19.201	19.943	16.871	18.696	17.112	18.838	15.692	17.412	16.110	18.339	15.238	17.317	15.281	17.152	14.354	15.677	13.771
5222	82.046	84.256	80.992	76.031	80.687	72.332	64.835	63.574	79.614	76.425	67.736	69.396	72.004	69.571	61.863	61.677	63.557
52229	67.303	73.905	67.281	62.077	66.844	56.049	51.551	48.335	67.362	59.986	53.121	54.394	58.576	54.704	49.443	48.165	48.548
522291	6.661	7.000	6.601	6.808	7.424	7.122	6.811	7.231	7.302	7.201	5.814	6.427	6.268	6.459	5.268	5.896	5.570
522292	63.319	69.622	63.565	56.949	60.767	47.458	43.315	38.122	62.024	51.932	47.497	47.678	53.236	46.379	44.099	41.247	42.321
5223	8.865	11.318	8.510	8.957	12.903	12.634	8.212	8.279	8.467	9.714	6.989	7.767	7.361	10.536	6.411	7.237	6.210
52239	2.937	3.914	2.807	3.052	5.006	4.730	2.872	3.067	3.073	4.373	2.967	3.400	3.056	4.796	2.648	3.185	2.596
522390	2.937	3.914	2.807	3.052	5.006	4.730	2.872	3.067	3.073	4.373	2.967	3.400	3.056	4.796	2.648	3.185	2.596
523	135.085	127.237	107.936	121.032	142.271	98.995	89.626	90.422	170.590	84.758	76.775	80.833	134.954	108.621	99.134	96.994	124.853
5231	92.272	71.652	60.782	68.158	93.339	64.947	58.801	59.323	111.918	55.607	50.370	53.032	98.326	71.014	64.812	63.412	86.832
52311	1.567	0.779	0.661	0.741	1.578	1.098	0.994	1.003	1.892	0.940	0.852	0.897	2.051	0.869	0.793	0.776	1.608
523110	1.567	0.779	0.661	0.741	1.578	1.098	0.994	1.003	1.892	0.940	0.852	0.897	2.051	0.869	0.793	0.776	1.608
52312	79.002	66.094	63.619	63.572	80.147	72.004	65.306	64.282	76.502	69.565	63.411	66.996	74.549	59.542	56.295	59.088	70.093
523120	79.002	66.094	63.619	63.572	80.147	72.004	65.306	64.282	76.502	69.565	63.411	66.996	74.549	59.542	56.295	59.088	70.093
5239	39.070	48.864	42.806	38.554	44.185	46.502	34.573	33.871	41.885	40.387	30.327	29.741	34.175	40.778	30.967	28.512	34.886
52391	5.441	9.926	10.343	9.202	10.347	12.310	10.481	9.597	15.110	11.668	10.182	9.170	13.224	12.821	13.342	10.563	14.500
523910	5.441	9.926	10.343	9.202	10.347	12.310	10.481	9.597	15.110	11.668	10.182	9.170	13.224	12.821	13.342	10.563	14.500
52392	13.747	11.574	12.060	10.730	14.202	11.584	10.176	9.832	12.976	9.800	8.009	8.120	9.600	11.049	7.088	7.327	9.525
523920	13.747	11.574	12.060	10.730	14.202	11.584	10.176	9.832	12.976	9.800	8.009	8.120	9.600	11.049	7.088	7.327	9.525
52393	6.705	9.820	7.104	7.137	7.004	7.919	4.790	5.157	4.841	6.359	4.240	4.287	3.864	4.886	3.994	3.629	3.803
523930	6.705	9.820	7.104	7.137	7.004	7.919	4.790	5.157	4.841	6.359	4.240	4.287	3.864	4.886	3.994	3.629	3.803

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
52399	3.538	4.841	3.502	3.519	3.690	6.145	3.483	3.309	3.298	5.798	3.436	3.400	3.415	6.145	3.357	3.362	3.361
523991	2.572	3.520	2.546	2.558	2.682	4.467	2.532	2.406	2.398	4.215	2.426	2.420	2.374	4.504	2.426	2.417	2.370
523999	0.894	1.224	0.885	0.889	0.933	1.553	0.880	0.836	0.834	1.466	1.242	1.127	1.427	1.363	0.924	0.993	1.228
524	81.725	77.088	69.488	79.718	85.386	75.762	66.489	75.791	80.957	71.261	62.322	72.371	74.850	69.894	61.341	67.983	70.509
5242	88.403	89.103	79.855	88.281	84.849	81.928	70.070	74.672	73.061	76.334	66.074	71.101	69.107	74.781	64.092	66.236	64.619
52421	71.995	73.639	65.113	73.667	70.831	67.451	57.306	61.858	60.563	62.654	53.550	58.020	55.769	59.887	50.867	52.392	50.781
524210	71.995	73.639	65.113	73.667	70.831	67.451	57.306	61.858	60.563	62.654	53.550	58.020	55.769	59.887	50.867	52.392	50.781
52429	15.647	14.262	14.021	13.137	12.587	13.476	12.062	11.748	11.438	12.826	12.061	12.420	12.950	14.661	13.211	13.901	14.028
524291	6.665	6.324	6.576	6.470	6.006	6.375	5.758	5.927	5.816	6.400	7.047	7.028	7.985	9.088	8.362	9.116	9.087
524292	6.219	5.690	5.454	5.144	4.898	5.448	4.631	4.490	4.198	5.078	4.531	4.744	4.795	5.222	4.612	4.723	4.657
524298	0.260	0.209	0.223	0.171	0.190	0.139	0.204	0.178	0.229	0.140	0.128	0.125	0.126	0.210	0.206	0.235	0.284
53	131.029	152.359	134.902	127.363	128.080	146.144	130.302	115.960	120.274	128.290	107.878	139.576	105.629	373.758	142.504	116.832	125.085
531	102.473	125.711	106.349	100.577	101.778	117.412	101.999	91.953	90.825	118.093	90.739	92.053	89.113	111.515	90.837	88.814	90.551
5311	55.358	63.589	56.525	54.200	56.875	54.109	47.715	45.168	46.466	54.687	46.264	45.587	47.584	53.486	44.613	43.569	44.230
53111	14.116	18.240	14.112	14.653	13.874	18.295	16.139	16.327	14.943	17.550	15.222	15.158	14.758	19.778	14.357	15.596	14.938
531110	14.116	18.240	14.112	14.653	13.874	18.295	16.139	16.327	14.943	17.550	15.222	15.158	14.758	19.778	14.357	15.596	14.938
53112	44.290	46.419	45.058	41.443	46.894	32.152	27.824	23.857	28.875	35.025	28.011	27.334	31.097	28.525	27.533	23.872	26.197
531120	44.290	46.419	45.058	41.443	46.894	32.152	27.824	23.857	28.875	35.025	28.011	27.334	31.097	28.525	27.533	23.872	26.197
53113	2.704	3.430	3.353	2.881	2.907	3.529	3.390	3.291	3.296	3.528	3.391	3.409	3.273	3.670	3.355	3.053	3.093
531130	2.704	3.430	3.353	2.881	2.907	3.529	3.390	3.291	3.296	3.528	3.391	3.409	3.273	3.670	3.355	3.053	3.093
53119	0.505	0.509	0.467	0.442	0.418	0.663	0.611	0.645	0.535	0.490	0.485	0.423	0.464	0.486	0.470	0.503	0.473
531190	0.505	0.509	0.467	0.442	0.418	0.663	0.611	0.645	0.535	0.490	0.485	0.423	0.464	0.486	0.470	0.503	0.473
5312	22.051	30.658	22.913	21.326	23.674	34.449	26.807	22.026	20.821	34.227	20.930	21.443	19.869	31.726	22.798	21.738	22.731
53121	22.051	30.658	22.913	21.326	23.674	34.449	26.807	22.026	20.821	34.227	20.930	21.443	19.869	31.726	22.798	21.738	22.731
531210	22.051	30.658	22.913	21.326	23.674	34.449	26.807	22.026	20.821	34.227	20.930	21.443	19.869	31.726	22.798	21.738	22.731
5313	27.463	32.511	28.810	27.242	25.268	27.861	26.302	24.560	24.304	28.246	24.240	24.912	23.559	26.465	23.481	23.392	23.489
53131	21.930	25.957	23.138	21.736	20.462	22.433	21.367	19.931	19.643	22.629	19.079	19.649	18.676	20.840	18.718	18.420	18.717
531311	14.182	16.424	14.785	13.763	13.093	13.859	13.141	12.603	13.071	13.637	13.004	12.602	12.273	14.722	14.033	13.588	13.495
531312	7.358	8.992	7.902	7.522	6.975	8.033	7.698	6.911	6.303	8.372	5.881	6.674	6.113	6.019	4.774	4.871	5.193
53132	2.179	2.584	2.183	2.230	1.805	1.851	1.774	1.697	1.548	3.249	2.282	2.310	2.116	2.448	1.947	1.986	2.118
531320	2.179	2.584	2.183	2.230	1.805	1.851	1.774	1.697	1.548	3.249	2.282	2.310	2.116	2.448	1.947	1.986	2.118
53139	4.234	5.007	3.827	3.290	2.166	3.015	2.889	2.339	2.134	3.462	2.432	2.391	2.190	3.258	2.694	2.749	2.930
531390	4.234	5.007	3.827	3.290	2.166	3.015	2.889	2.339	2.134	3.462	2.432	2.391	2.190	3.258	2.694	2.749	2.930
532	37.477	40.086	38.221	35.954	35.838	40.199	37.364	32.592	36.302	26.998	27.455	49.504	26.744	206.144	52.064	34.731	39.703
5321	7.686	9.330	9.138	8.400	8.361	9.811	9.117	7.358	8.677	5.801	6.213	14.272	5.859	71.130	14.658	7.895	10.051
53211	4.480	5.475	5.378	4.913	4.919	5.689	5.300	4.199	5.068	3.241	3.521	8.508	3.343	43.873	8.830	4.610	5.992
53212	10.569	11.511	10.673	10.938	9.852	14.526	13.038	13.329	11.527	13.034	12.141	12.789	10.626	11.009	9.837	10.569	9.014
532120	10.569	11.511	10.673	10.938	9.852	14.526	13.038	13.329	11.527	13.034	12.141	12.789	10.626	11.009	9.837	10.569	9.014
5322	10.372	11.724	10.812	10.574	10.375	10.546	10.013	10.130	11.171	8.743	8.460	8.366	9.420	9.374	9.428	9.490	11.954
53221	3.898	3.898	3.608	3.499	3.585	3.343	3.424	3.342	3.624	3.730	3.758	3.600	3.626	3.788	3.699	3.488	3.827
532210	3.898	3.898	3.608	3.499	3.585	3.343	3.424	3.342	3.624	3.730	3.758	3.600	3.626	3.788	3.699	3.488	3.827
53229	5.361	6.437	5.946	5.873	5.563	5.986	5.363	5.462	6.269	3.809	3.527	3.534	4.264	4.175	4.081	4.083	5.867
5323	1.818	1.962	1.808	1.922	1.804	2.058	1.835	1.999	1.717	1.895	1.834	1.914	1.818	1.942	1.863	2.081	1.970
53231	1.818	1.962	1.808	1.922	1.804	2.058	1.835	1.999	1.717	1.895	1.834	1.914	1.818	1.942	1.863	2.081	1.970
532310	1.818	1.962	1.808	1.922	1.804	2.058	1.835	1.999	1.717	1.895	1.834	1.914	1.818	1.942	1.863	2.081	1.970
5324	72.606	55.296	49.643	48.040	49.147	50.138	46.418	45.432	44.569	40.847	37.472	37.839	36.482	45.464	45.201	51.448	38.691
533	6.866	6.149	5.378	5.692	5.210	5.796	4.376	4.072	4.248	5.690	3.979	4.201	3.771	20.748	7.748	7.604	7.722
5331	6.866	6.149	5.378	5.692	5.210	5.796	4.376	4.072	4.248	5.690	3.979	4.201	3.771	20.748	7.748	7.604	7.722
53311	6.866	6.149	5.378	5.692	5.210	5.796	4.376	4.072	4.248	5.690	3.979	4.201	3.771	20.748	7.748	7.604	7.722
533110	6.866	6.149	5.378	5.692	5.210	5.796	4.376	4.072	4.248	5.690	3.979	4.201	3.771	20.748	7.748	7.604	7.722
54	661.887	795.060	646.215	638.024	668.642	764.244	609.490	605.825	646.749	772.772	604.768	588.719	590.813	833.604	539.654	528.418	510.828
541	661.887	795.060	646.215	638.024	668.642	764.244	609.490	605.825	646.749	772.772	604.768	588.719	590.813	833.604	539.654	528.418	510.828
5411	321.369	533.355	340.799	330.467	333.160	537.655	322.377	316.351	312.797	540.336	317.540	322.946	311.551	504.835	318.699	303.780	280.758
54111	282.912	479.369	299.396	288.800	293.544	482.450	279.832	275.783	272.873	486.076	275.086	281.603	272.044	454.547	279.073	265.816	244.919
541110	282.912	479.369	299.396	288.800	293.544	482.450	279.832	275.783	272.873	486.076	275.086	281.603	272.044	454.547	279.073	265.816	244.919
54119	16.643	20.515	18.097	18.646	17.071	21.246	19.560	18.341	17.999	20.471	19.662	18.672	17.741	18.832	17.580	16.896	16.158

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
541191	16.722	19.971	17.814	18.353	16.666	20.140	18.663	17.601	17.185	19.485	18.838	17.813	16.958	18.436	17.219	16.545	15.782
541199	0.145	0.490	0.336	0.348	0.384	0.770	0.650	0.560	0.592	0.703	0.615	0.622	0.574	0.399	0.368	0.356	0.360
5412	80.056	77.391	74.964	74.823	87.791	80.841	75.453	77.891	95.140	75.139	65.907	68.865	83.435	59.521	54.228	57.659	60.213
54121	80.056	77.391	74.964	74.823	87.791	80.841	75.453	77.891	95.140	75.139	65.907	68.865	83.435	59.521	54.228	57.659	60.213
541211	56.337	59.387	54.256	54.521	51.118	59.860	50.826	50.339	49.390	48.052	43.414	43.450	41.423	44.784	39.291	42.064	39.806
541213	7.772	4.418	3.268	6.754	7.558	3.439	2.721	6.118	6.425	3.294	2.758	5.930	6.182	3.540	2.729	6.447	6.873
541214	3.603	4.761	4.135	4.114	4.244	8.094	7.832	7.082	9.060	6.586	6.471	5.652	6.793	5.381	4.872	4.696	5.201
541219	10.772	9.599	10.051	9.527	12.946	8.722	8.605	9.214	12.491	9.431	7.773	8.523	11.715	6.523	6.191	6.336	6.885
5413	192.283	211.813	168.896	168.744	167.799	197.027	159.873	156.459	159.336	179.145	153.476	154.783	143.532	299.623	137.940	137.592	128.930
54131	15.752	17.876	16.074	15.178	15.061	17.744	16.766	15.878	15.936	17.864	16.155	15.736	15.002	17.225	14.775	14.606	14.088
541310	15.752	17.876	16.074	15.178	15.061	17.744	16.766	15.878	15.936	17.864	16.155	15.736	15.002	17.225	14.775	14.606	14.088
54133	153.440	163.656	124.773	125.455	127.819	148.598	119.099	116.693	119.252	129.890	109.718	112.446	104.537	249.270	96.455	95.516	90.112
541330	153.440	163.656	124.773	125.455	127.819	148.598	119.099	116.693	119.252	129.890	109.718	112.446	104.537	249.270	96.455	95.516	90.112
54134	0.627	0.668	0.618	0.539	0.646	0.690	0.517	0.510	0.565	0.457	0.505	0.464	0.533	0.562	0.626	0.899	0.949
541340	0.627	0.668	0.618	0.539	0.646	0.690	0.517	0.510	0.565	0.457	0.505	0.464	0.533	0.562	0.626	0.899	0.949
54136	1.159	1.524	1.423	1.347	1.325	1.942	1.450	1.297	1.292	1.906	1.593	1.467	1.951	3.516	2.240	2.244	2.294
541360	1.159	1.524	1.423	1.347	1.325	1.942	1.450	1.297	1.292	1.906	1.593	1.467	1.951	3.516	2.240	2.244	2.294
54137	5.596	8.404	8.938	9.391	8.498	8.174	5.935	6.693	8.186	10.573	9.921	9.491	7.313	7.259	7.171	7.198	6.417
541370	5.596	8.404	8.938	9.391	8.498	8.174	5.935	6.693	8.186	10.573	9.921	9.491	7.313	7.259	7.171	7.198	6.417
54138	26.025	30.539	25.583	26.021	22.525	30.737	24.461	23.309	21.442	26.625	21.716	22.225	21.185	28.851	20.533	20.835	18.705
541380	26.025	30.539	25.583	26.021	22.525	30.737	24.461	23.309	21.442	26.625	21.716	22.225	21.185	28.851	20.533	20.835	18.705
5414	5.557	6.475	6.458	6.371	6.474	7.114	6.353	6.091	5.929	7.658	5.689	5.414	4.793	9.236	4.687	4.498	5.037
54143	2.556	2.979	2.971	2.931	3.232	3.551	3.133	3.101	3.035	3.944	2.705	2.459	2.383	5.824	2.440	2.444	2.756
541430	2.556	2.979	2.971	2.931	3.232	3.551	3.133	3.101	3.035	3.944	2.705	2.459	2.383	5.824	2.440	2.444	2.756
5415	137.025	154.813	139.603	134.391	140.375	112.962	109.615	105.158	110.524	131.583	111.459	90.618	102.972	115.059	107.509	103.463	102.881
54151	137.025	154.813	139.603	134.391	140.375	112.962	109.615	105.158	110.524	131.583	111.459	90.618	102.972	115.059	107.509	103.463	102.881
541511	49.655	52.995	45.879	44.166	46.306	44.546	40.259	39.072	39.895	38.406	36.129	34.326	33.217	33.776	28.293	27.658	27.732
541512	47.423	52.061	47.893	46.105	49.832	44.748	45.806	44.455	48.439	68.517	53.030	39.205	50.558	45.145	43.315	41.179	42.594
541513	21.004	23.058	21.212	20.420	22.071	19.819	20.288	19.689	21.454	30.347	23.487	17.364	23.924	26.587	34.399	31.462	32.716
541519	13.542	14.866	13.676	4.911	5.308	4.766	4.879	4.735	5.159	7.298	5.648	4.176	3.973	10.337	10.033	9.765	8.907
5416	95.946	112.865	96.908	98.024	107.052	114.331	93.707	92.101	101.703	111.895	88.961	87.088	79.338	109.925	80.609	74.944	72.675
54161	63.690	69.931	59.887	61.465	69.131	71.754	59.075	58.260	66.993	72.043	57.825	56.753	49.410	74.061	51.459	48.834	46.760
541611	27.600	28.087	23.732	25.102	30.864	30.609	24.129	24.239	29.135	26.339	24.134	24.109	20.126	32.495	20.572	19.960	18.954
541612	5.940	9.813	8.419	8.148	6.790	8.855	7.450	7.160	7.796	13.569	6.748	5.658	5.253	8.233	6.976	6.118	5.632
541613	11.757	12.509	11.381	10.736	10.993	10.298	9.809	10.409	11.116	12.064	9.072	10.031	9.652	9.135	6.321	6.052	6.873
541614	14.676	15.670	14.433	14.390	14.237	14.894	14.489	13.257	12.347	15.267	15.104	15.705	14.673	15.908	15.263	14.684	14.153
541618	5.083	4.371	3.523	3.565	4.092	4.783	4.470	3.547	3.770	4.767	3.955	3.644	3.725	5.310	3.990	3.543	3.630
54162	18.626	29.984	21.923	21.254	20.146	25.838	19.958	21.292	19.968	25.047	19.283	18.627	19.589	19.917	16.640	17.916	19.112
541620	18.626	29.984	21.923	21.254	20.146	25.838	19.958	21.292	19.968	25.047	19.283	18.627	19.589	19.917	16.640	17.916	19.112
54169	30.225	41.197	41.956	40.623	41.813	45.499	38.235	34.221	33.591	38.233	29.375	28.615	30.372	32.853	31.363	21.683	20.479
541690	30.225	41.197	41.956	40.623	41.813	45.499	38.235	34.221	33.591	38.233	29.375	28.615	30.372	32.853	31.363	21.683	20.479
5417	15.039	18.027	12.513	13.892	13.862	13.562	11.010	25.684	12.402	15.251	10.567	10.219	10.228	19.089	16.062	10.407	12.692
541712	9.864	9.894	7.254	9.075	8.946	8.554	7.208	19.671	8.685	11.048	6.817	6.731	6.760	14.692	12.277	7.786	9.815
5418	23.259	21.979	20.737	20.415	22.033	24.290	21.099	20.135	22.473	23.911	21.358	20.700	23.603	27.047	23.310	23.193	24.068
54181	8.999	8.997	7.812	7.930	8.647	10.248	8.726	8.520	9.898	10.710	9.131	9.187	11.005	12.639	10.559	10.670	11.674
541810	8.999	8.997	7.812	7.930	8.647	10.248	8.726	8.520	9.898	10.710	9.131	9.187	11.005	12.639	10.559	10.670	11.674
54182	1.986	1.982	1.831	1.765	1.791	2.009	1.830	1.813	1.828	2.194	2.108	1.828	1.910	2.654	2.067	2.021	1.831
541820	1.986	1.982	1.831	1.765	1.791	2.009	1.830	1.813	1.828	2.194	2.108	1.828	1.910	2.654	2.067	2.021	1.831
54183	3.495	2.340	2.132	2.051	2.701	2.280	2.082	1.878	2.317	2.171	1.924	1.881	2.156	2.127	1.762	1.731	1.781
541830	3.495	2.340	2.132	2.051	2.701	2.280	2.082	1.878	2.317	2.171	1.924	1.881	2.156	2.127	1.762	1.731	1.781
541840	0.879	0.589	0.536	0.516	0.679	0.574	0.524	0.472	0.583	0.546	0.484	0.473	0.409	0.403	0.495	0.487	0.501
54185	9.697	11.024	16.315	13.505	10.332	12.679	10.153	7.863	8.016	7.740	7.651	5.026	7.340	8.045	9.093	6.896	7.893
541850	9.697	11.024	16.315	13.505	10.332	12.679	10.153	7.863	8.016	7.740	7.651	5.026	7.340	8.045	9.093	6.896	7.893
54186	1.402	1.288	1.663	1.735	1.608	1.511	1.179	1.410	1.251	1.208	1.194	1.998	1.891	1.840	2.009	1.993	1.984
541860	1.402	1.288	1.663	1.735	1.608	1.511	1.179	1.410	1.251	1.208	1.194	1.998	1.891	1.840	2.009	1.993	1.984
5419	59.542	81.362	75.852	72.201	69.391	79.245	73.115	71.014	77.975	126.490	112.968	94.584	82.894	86.639	69.565	66.314	60.336

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
54192	2.028	2.526	2.141	2.081	2.239	2.591	2.086	2.099	2.141	2.598	2.206	2.306	2.667	3.591	2.766	2.380	2.468
541921	1.706	2.050	1.835	1.698	1.820	1.978	1.625	1.611	1.727	2.079	1.791	1.916	2.274	3.028	2.306	1.891	2.101
541922	0.321	0.479	0.302	0.386	0.423	0.625	0.468	0.498	0.418	0.526	0.417	0.390	0.389	0.560	0.460	0.495	0.364
54194	20.323	21.543	21.066	20.175	18.067	19.981	19.264	18.424	17.050	18.828	19.066	17.415	16.301	17.697	17.123	16.755	15.660
541940	20.323	21.543	21.066	20.175	18.067	19.981	19.264	18.424	17.050	18.828	19.066	17.415	16.301	17.697	17.123	16.755	15.660
54199	18.959	29.921	28.272	26.728	27.362	29.644	27.845	27.217	33.985	61.529	53.944	42.586	37.329	33.431	27.694	24.734	23.117
541990	18.959	29.921	28.272	26.728	27.362	29.644	27.845	27.217	33.985	61.529	53.944	42.586	37.329	33.431	27.694	24.734	23.117
55	62.647	56.453	62.017	73.555	92.487	59.116	56.589	66.053	71.552	60.589	56.335	59.492	79.252	96.118	58.058	55.256	73.642
551	62.647	56.453	62.017	73.555	92.487	59.116	56.589	66.053	71.552	60.589	56.335	59.492	79.252	96.118	58.058	55.256	73.642
5511	62.647	56.453	62.017	73.555	92.487	59.116	56.589	66.053	71.552	60.589	56.335	59.492	79.252	96.118	58.058	55.256	73.642
55111	62.647	56.453	62.017	73.555	92.487	59.116	56.589	66.053	71.552	60.589	56.335	59.492	79.252	96.118	58.058	55.256	73.642
551114	26.108	23.009	25.733	31.232	39.806	25.751	24.713	28.878	31.358	26.607	24.772	26.164	35.230	42.767	25.593	24.145	32.641
56	346.385	385.392	361.144	351.817	354.069	380.770	343.453	340.262	318.251	348.541	324.369	321.484	315.127	333.249	312.943	310.340	304.323
561	308.479	342.115	322.315	312.887	316.051	340.163	307.377	303.998	284.365	310.707	289.781	286.676	281.978	296.300	279.939	277.410	272.216
5611	31.006	34.953	33.673	30.137	34.380	28.893	23.526	23.061	28.075	33.506	23.061	25.064	27.801	32.242	23.971	25.006	26.212
56111	31.006	34.953	33.673	30.137	34.380	28.893	23.526	23.061	28.075	33.506	23.061	25.064	27.801	32.242	23.971	25.006	26.212
561110	31.006	34.953	33.673	30.137	34.380	28.893	23.526	23.061	28.075	33.506	23.061	25.064	27.801	32.242	23.971	25.006	26.212
5612	7.995	4.687	2.373	2.291	1.984	2.974	1.871	1.603	1.854	1.855	1.767	1.545	1.784	1.618	1.719	1.612	1.878
56121	7.995	4.687	2.373	2.291	1.984	2.974	1.871	1.603	1.854	1.855	1.767	1.545	1.784	1.618	1.719	1.612	1.878
561210	7.995	4.687	2.373	2.291	1.984	2.974	1.871	1.603	1.854	1.855	1.767	1.545	1.784	1.618	1.719	1.612	1.878
5613	95.152	108.955	103.179	103.142	97.791	120.087	110.870	109.204	95.957	104.944	97.946	97.521	95.726	98.091	92.726	90.664	85.843
56131	8.162	7.041	5.954	8.074	5.589	7.123	7.593	9.211	7.806	9.985	6.859	7.825	7.443	8.321	6.328	7.455	6.803
56132	72.108	88.896	83.944	81.778	78.517	104.211	99.263	95.481	81.524	86.142	82.615	78.761	74.112	80.532	81.397	76.778	73.264
561320	72.108	88.896	83.944	81.778	78.517	104.211	99.263	95.481	81.524	86.142	82.615	78.761	74.112	80.532	81.397	76.778	73.264
56133	7.774	8.462	8.132	8.106	7.835	8.685	7.535	7.467	6.873	7.682	7.226	7.473	7.737	7.308	6.493	6.512	6.133
561330	7.774	8.462	8.132	8.106	7.835	8.685	7.535	7.467	6.873	7.682	7.226	7.473	7.737	7.308	6.493	6.512	6.133
5614	45.239	50.179	47.579	46.340	50.052	47.297	45.551	44.290	48.087	48.318	47.045	45.231	48.619	47.736	47.822	45.626	49.755
56142	21.622	24.276	22.916	22.092	24.081	22.248	21.289	20.495	22.626	22.794	22.233	20.967	22.702	22.094	22.361	20.828	23.042
561421	1.217	0.615	0.617	0.613	0.630	0.488	0.553	0.487	0.515	0.442	0.472	0.393	0.448	0.425	0.466	0.377	0.412
561422	21.063	23.786	22.447	21.636	23.591	21.813	20.856	20.088	22.180	22.358	21.801	20.569	22.268	21.673	21.929	20.435	22.609
56143	3.563	3.787	3.253	3.545	3.345	3.431	3.230	3.359	2.971	3.259	3.030	3.227	2.998	3.254	3.105	3.186	3.048
561431	1.469	1.216	1.207	1.354	1.332	1.160	1.160	1.258	1.176	1.278	1.260	1.152	1.145	1.155	1.056	1.063	1.123
561439	2.238	2.503	2.091	2.265	2.118	2.246	2.090	2.156	1.884	2.071	1.900	2.091	1.916	2.111	2.031	2.091	1.963
56144	13.977	15.209	15.719	16.123	16.128	17.318	17.888	18.183	18.314	18.020	17.602	18.895	20.049	20.311	19.749	21.176	22.313
561440	13.977	15.209	15.719	16.123	16.128	17.318	17.888	18.183	18.314	18.020	17.602	18.895	20.049	20.311	19.749	21.176	22.313
56149	5.301	5.960	5.711	5.556	5.769	8.348	7.201	7.139	7.121	7.738	7.199	6.671	6.806	7.444	5.997	6.479	5.776
561491	0.863	0.971	0.930	0.774	0.633	1.178	1.016	1.008	1.005	1.092	1.016	0.942	1.144	1.251	1.234	1.187	1.052
561492	0.707	0.795	0.761	0.811	0.679	0.842	0.726	0.720	0.718	0.781	0.726	0.673	0.701	0.767	0.616	0.567	0.577
561499	0.783	0.877	0.794	0.764	0.885	1.343	1.135	1.178	1.148	1.265	1.139	1.036	1.023	1.136	0.867	0.998	0.862
5615	17.560	16.108	14.453	14.548	15.466	13.580	13.139	13.326	14.250	15.920	12.562	12.607	13.227	15.767	14.889	14.701	17.735
5616	42.068	47.992	41.664	42.490	45.860	49.511	43.495	47.458	40.686	45.936	42.025	43.166	38.676	40.625	37.479	39.113	37.231
56161	27.703	30.589	26.688	27.919	33.112	37.864	31.852	36.028	30.358	34.703	31.068	31.574	28.832	32.106	28.154	30.498	27.827
561612	10.158	11.334	9.869	10.115	9.335	10.278	9.235	10.640	8.625	9.203	9.384	9.159	8.383	8.273	7.792	7.708	7.142
56162	12.415	14.749	12.727	12.576	11.858	11.583	10.989	11.256	9.955	10.993	10.449	10.927	9.478	8.906	9.061	8.813	9.082
561621	11.256	13.394	11.555	11.430	10.756	10.501	9.979	10.290	9.059	10.007	9.529	10.001	8.609	8.065	8.216	7.994	8.301
561622	1.175	1.357	1.176	1.141	1.112	1.097	1.012	0.917	0.883	0.970	0.891	0.869	0.868	0.860	0.857	0.828	0.744
5617	47.524	59.947	58.669	56.803	46.173	57.080	56.984	55.306	44.376	52.096	53.257	51.169	41.663	52.031	49.301	50.841	40.836
56171	6.142	6.523	6.698	6.420	5.776	6.124	6.501	6.441	5.540	6.166	6.760	6.622	5.700	7.244	6.093	6.276	5.193
561710	6.142	6.523	6.698	6.420	5.776	6.124	6.501	6.441	5.540	6.166	6.760	6.622	5.700	7.244	6.093	6.276	5.193
56172	12.878	14.078	12.672	13.044	12.327	14.380	13.234	12.960	12.058	12.507	12.371	11.915	10.725	11.839	11.080	11.149	10.398
561720	12.878	14.078	12.672	13.044	12.327	14.380	13.234	12.960	12.058	12.507	12.371	11.915	10.725	11.839	11.080	11.149	10.398
56173	24.934	35.270	36.778	34.301	22.955	31.909	35.411	33.525	22.461	28.838	30.936	29.536	20.366	28.582	29.407	30.716	20.685
561730	24.934	35.270	36.778	34.301	22.955	31.909	35.411	33.525	22.461	28.838	30.936	29.536	20.366	28.582	29.407	30.716	20.685
56174	1.233	1.443	1.464	1.412	1.117	1.291	1.257	1.242	1.121	1.355	1.304	1.234	1.059	1.666	1.592	1.737	1.517
561740	1.233	1.443	1.464	1.412	1.117	1.291	1.257	1.242	1.121	1.355	1.304	1.234	1.059	1.666	1.592	1.737	1.517
56179	1.518	2.961	2.569	2.468	2.364	2.874	2.024	2.123	1.899	2.702	2.237	2.136	2.229	2.319	1.827	1.864	1.825

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
561790	1.518	2.961	2.569	2.468	2.364	2.874	2.024	2.123	1.899	2.702	2.237	2.136	2.229	2.319	1.827	1.864	1.825
5619	26.471	24.528	23.501	19.462	23.958	20.146	11.044	10.789	9.446	12.263	10.931	11.045	9.866	11.571	9.955	11.153	10.118
561990	3.378	3.120	2.983	2.465	3.044	2.552	1.385	1.353	1.183	1.538	1.370	1.388	1.239	1.460	1.254	1.408	1.277
562	39.320	46.749	39.111	41.107	38.211	40.333	34.879	35.980	33.563	38.727	34.348	35.478	32.134	39.139	32.142	32.419	31.290
5621	20.126	23.070	20.565	21.925	19.841	22.733	20.724	21.581	19.825	21.641	20.498	20.563	18.210	22.397	17.708	16.415	15.279
56211	20.126	23.070	20.565	21.925	19.841	22.733	20.724	21.581	19.825	21.641	20.498	20.563	18.210	22.397	17.708	16.415	15.279
562111	18.989	21.767	19.403	20.687	18.439	21.249	19.371	20.154	18.762	20.481	19.136	19.186	16.868	21.380	16.730	15.548	14.168
5622	6.860	7.720	6.982	7.415	8.847	6.541	6.009	6.275	6.603	6.124	6.038	6.051	5.916	7.239	6.785	6.834	7.483
56221	6.860	7.720	6.982	7.415	8.847	6.541	6.009	6.275	6.603	6.124	6.038	6.051	5.916	7.239	6.785	6.834	7.483
5629	12.209	15.647	11.547	11.810	9.405	11.366	8.619	8.651	7.546	11.224	8.293	9.243	8.255	9.847	7.772	9.001	8.229
56291	5.911	8.169	5.322	5.492	4.206	4.992	3.558	3.313	2.787	5.088	3.338	3.823	3.461	4.380	3.036	3.451	3.162
562910	5.911	8.169	5.322	5.492	4.206	4.992	3.558	3.313	2.787	5.088	3.338	3.823	3.461	4.380	3.036	3.451	3.162
56A	319.398	354.601	333.597	322.478	325.382	351.496	316.720	312.406	291.823	320.776	297.833	294.870	291.000	303.613	288.450	287.091	281.561
61	18.168	19.451	18.273	18.549	17.855	18.446	17.236	17.613	16.786	17.369	16.131	16.591	15.992	17.312	16.143	16.345	15.624
611	18.168	19.451	18.273	18.549	17.855	18.446	17.236	17.613	16.786	17.369	16.131	16.591	15.992	17.312	16.143	16.345	15.624
6114	3.939	5.317	5.259	5.280	5.461	5.228	5.408	5.498	5.736	5.087	4.935	4.470	5.131	5.374	5.322	4.559	5.125
61143	3.576	5.054	5.075	5.160	5.345	5.041	5.191	5.312	5.623	5.072	4.888	4.361	5.036	5.334	5.306	4.517	5.023
611430	3.576	5.054	5.075	5.160	5.345	5.041	5.191	5.312	5.623	5.072	4.888	4.361	5.036	5.334	5.306	4.517	5.023
6115	6.264	7.135	7.242	6.726	6.295	7.184	6.389	6.288	6.056	6.773	6.344	5.935	5.685	7.117	6.856	6.722	6.124
61151	6.264	7.135	7.242	6.726	6.295	7.184	6.389	6.288	6.056	6.773	6.344	5.935	5.685	7.117	6.856	6.722	6.124
611511	0.620	0.598	0.607	0.649	0.640	0.731	0.650	0.640	0.461	0.615	0.730	0.539	0.463	0.573	0.482	0.501	0.433
611512	2.488	2.451	2.924	2.450	2.832	3.013	2.782	2.540	2.777	2.782	2.841	2.512	2.735	4.087	3.439	3.157	2.727
611513	0.439	0.326	0.389	0.415	0.443	0.471	0.435	0.397	0.382	0.434	0.382	0.392	0.371	0.443	0.373	0.383	0.331
611519	4.658	5.891	5.568	5.402	4.338	5.298	4.501	4.663	4.154	5.008	4.273	4.269	3.680	4.822	4.405	4.569	4.333
6116	4.719	4.886	4.517	4.352	4.402	4.331	4.154	3.962	4.154	4.842	4.051	3.729	3.876	4.586	3.676	3.455	3.598
61161	1.105	1.064	0.983	1.271	1.286	1.059	1.016	1.174	1.231	1.515	1.083	0.997	1.037	1.084	0.869	1.081	1.126
611610	1.105	1.064	0.983	1.271	1.286	1.059	1.016	1.174	1.231	1.515	1.083	0.997	1.037	1.084	0.869	1.081	1.126
61169	3.226	3.306	3.262	2.938	2.700	2.758	2.734	2.468	2.363	2.578	2.666	2.296	2.151	2.328	2.278	1.933	1.866
611691	2.271	1.782	1.739	1.621	1.461	1.291	1.289	1.278	1.194	1.212	1.315	1.192	1.164	1.135	1.117	0.922	0.851
62	1181.381	1389.012	1265.189	1170.817	1165.215	1275.955	1235.805	1154.145	1127.911	1219.594	1183.354	1110.201	1086.820	1215.376	1154.169	1090.061	1062.056
621	482.958	557.421	492.882	463.814	443.354	505.094	455.034	434.197	406.856	493.624	441.543	430.055	396.490	508.278	442.862	429.549	398.083
6211	246.360	281.558	246.417	224.625	216.811	264.557	237.714	220.774	206.032	261.223	228.280	216.904	196.838	269.199	230.755	219.696	199.628
62111	246.360	281.558	246.417	224.625	216.811	264.557	237.714	220.774	206.032	261.223	228.280	216.904	196.838	269.199	230.755	219.696	199.628
621111	243.018	277.675	242.721	221.452	213.352	260.733	233.823	217.257	202.261	259.616	226.917	215.612	195.610	267.517	229.340	218.292	198.220
621112	4.273	4.980	4.812	4.088	4.552	4.948	5.141	4.627	5.065	1.568	1.307	1.237	1.208	1.657	1.380	1.399	1.474
6212	57.219	66.071	59.536	58.806	54.257	63.101	55.924	56.115	52.193	59.932	54.079	53.767	50.421	61.678	52.629	52.626	50.276
62121	57.219	66.071	59.536	58.806	54.257	63.101	55.924	56.115	52.193	59.932	54.079	53.767	50.421	61.678	52.629	52.626	50.276
621210	57.219	66.071	59.536	58.806	54.257	63.101	55.924	56.115	52.193	59.932	54.079	53.767	50.421	61.678	52.629	52.626	50.276
6213	50.137	55.719	49.790	47.346	45.119	47.938	43.343	42.662	40.705	43.531	38.624	39.697	37.020	43.516	36.220	35.319	32.856
62131	10.719	12.977	11.096	9.996	9.343	11.463	9.708	9.530	8.896	11.291	9.103	9.120	8.437	10.847	8.878	8.868	8.437
621310	10.719	12.977	11.096	9.996	9.343	11.463	9.708	9.530	8.896	11.291	9.103	9.120	8.437	10.847	8.878	8.868	8.437
62132	15.445	17.033	14.220	12.918	11.351	13.753	10.534	11.110	9.743	11.820	9.554	10.654	8.958	11.457	9.392	9.983	8.710
621320	15.445	17.033	14.220	12.918	11.351	13.753	10.534	11.110	9.743	11.820	9.554	10.654	8.958	11.457	9.392	9.983	8.710
62133	3.505	4.582	3.652	3.725	3.105	3.618	3.349	3.271	2.789	3.351	3.151	2.694	2.441	2.903	2.176	2.136	2.107
621330	3.505	4.582	3.652	3.725	3.105	3.618	3.349	3.271	2.789	3.351	3.151	2.694	2.441	2.903	2.176	2.136	2.107
62134	13.162	15.932	14.980	14.473	13.750	14.149	13.870	13.623	13.612	13.024	12.537	12.896	12.574	12.026	11.708	11.227	10.688
621340	13.162	15.932	14.980	14.473	13.750	14.149	13.870	13.623	13.612	13.024	12.537	12.896	12.574	12.026	11.708	11.227	10.688
62139	7.618	6.443	5.891	5.788	6.264	5.513	5.030	4.673	4.469	4.694	3.953	4.028	3.712	6.235	3.747	3.372	3.013
621391	1.641	0.330	0.517	0.681	0.661	0.507	0.565	0.501	0.543	0.504	0.561	0.486	0.513	0.470	0.546	0.506	0.575
621399	6.177	5.964	5.302	5.089	5.560	4.946	4.442	4.143	3.917	4.162	3.408	3.533	3.210	5.667	3.221	2.888	2.494
6214	58.793	63.991	56.596	52.525	49.755	50.973	43.523	43.673	39.548	44.507	41.389	40.730	39.512	42.467	37.807	37.670	35.607
62142	10.454	9.681	9.402	8.773	8.741	8.306	7.862	7.488	7.067	7.146	8.186	8.006	7.834	7.858	6.996	7.156	6.765
621420	10.454	9.681	9.402	8.773	8.741	8.306	7.862	7.488	7.067	7.146	8.186	8.006	7.834	7.858	6.996	7.156	6.765
62149	44.633	51.972	44.067	40.957	37.698	40.266	32.395	33.277	29.076	34.833	28.790	28.757	26.965	31.624	26.632	28.199	26.123
621492	15.062	19.708	16.710	15.531	14.295	15.269	11.385	13.640	10.668	12.321	9.429	10.608	9.314	10.825	8.404	9.941	8.149
621493	15.829	14.057	11.847	9.362	8.787	11.749	8.760	10.495	8.208	9.480	8.494	8.106	8.023	9.291	8.541	8.447	8.876

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
621498	18.123	25.255	23.183	19.529	18.935	23.090	17.896	17.272	15.152	18.021	14.694	13.958	13.125	15.687	12.873	13.416	11.950
6215	67.803	101.454	81.036	85.662	76.412	41.144	38.718	35.895	31.571	38.322	32.525	32.652	29.683	35.662	31.741	31.361	29.471
62151	67.803	101.454	81.036	85.662	76.412	41.144	38.718	35.895	31.571	38.322	32.525	32.652	29.683	35.662	31.741	31.361	29.471
621511	80.912	134.587	102.780	110.176	94.034	32.786	29.154	25.936	19.652	31.158	22.241	24.205	19.675	29.438	22.258	23.964	21.705
621512	8.662	9.442	8.771	8.874	9.020	9.502	9.384	8.984	8.724	8.689	8.468	8.013	7.891	7.970	8.120	7.510	7.269
6216	23.965	27.873	26.657	26.910	26.835	29.429	27.100	27.760	27.563	31.142	31.352	32.266	31.146	33.425	33.171	33.456	32.234
62161	23.965	27.873	26.657	26.910	26.835	29.429	27.100	27.760	27.563	31.142	31.352	32.266	31.146	33.425	33.171	33.456	32.234
621610	23.965	27.873	26.657	26.910	26.835	29.429	27.100	27.760	27.563	31.142	31.352	32.266	31.146	33.425	33.171	33.456	32.234
6219	16.859	19.166	18.838	19.374	18.198	18.053	17.490	17.992	17.105	18.320	18.471	19.681	18.606	20.481	19.336	20.188	20.298
62191	11.690	12.804	13.725	11.746	12.873	11.816	11.841	9.725	10.796	11.745	12.924	11.257	13.453	11.000	11.255	9.696	11.124
621910	11.690	12.804	13.725	11.746	12.873	11.816	11.841	9.725	10.796	11.745	12.924	11.257	13.453	11.000	11.255	9.696	11.124
62199	6.724	7.845	7.241	8.424	7.154	7.490	7.094	8.310	7.262	7.702	7.320	8.835	7.194	9.489	8.600	9.826	9.313
621991	5.122	6.417	5.817	5.901	5.700	5.980	5.664	5.714	5.670	6.014	5.699	5.981	5.819	7.865	7.664	7.521	8.987
621999	1.509	1.667	1.561	1.999	1.552	1.623	1.537	1.995	1.600	1.697	1.616	2.141	1.543	1.994	1.694	2.197	1.689
622	490.526	605.708	566.533	504.511	533.905	564.167	595.083	532.817	551.360	538.886	578.275	515.608	539.363	523.970	552.387	497.921	513.974
6221	440.873	546.035	513.152	458.002	480.485	511.889	522.132	481.201	487.934	483.578	504.619	465.722	481.810	477.185	484.880	456.797	467.031
62211	440.873	546.035	513.152	458.002	480.485	511.889	522.132	481.201	487.934	483.578	504.619	465.722	481.810	477.185	484.880	456.797	467.031
622110	440.873	546.035	513.152	458.002	480.485	511.889	522.132	481.201	487.934	483.578	504.619	465.722	481.810	477.185	484.880	456.797	467.031
623	112.881	123.050	115.865	112.313	108.882	115.511	113.520	110.405	104.199	99.485	99.192	94.302	94.830	96.941	96.405	95.593	94.624
6231	70.688	74.269	72.958	71.848	68.389	66.368	64.975	62.971	57.354	51.044	53.033	47.029	47.854	48.977	51.922	51.937	49.950
62311	70.688	74.269	72.958	71.848	68.389	66.368	64.975	62.971	57.354	51.044	53.033	47.029	47.854	48.977	51.922	51.937	49.950
623110	70.688	74.269	72.958	71.848	68.389	66.368	64.975	62.971	57.354	51.044	53.033	47.029	47.854	48.977	51.922	51.937	49.950
6232	13.814	15.248	14.476	13.603	14.068	16.847	16.823	16.637	16.466	17.163	17.051	16.808	17.028	17.548	16.861	16.777	16.738
62321	9.472	10.455	9.943	9.811	9.699	10.524	10.341	10.529	10.082	11.163	10.850	10.805	10.779	11.567	10.666	10.922	10.691
623210	9.472	10.455	9.943	9.811	9.699	10.524	10.341	10.529	10.082	11.163	10.850	10.805	10.779	11.567	10.666	10.922	10.691
62322	4.554	5.027	4.762	4.186	4.606	6.189	6.284	6.028	6.174	6.032	6.141	5.986	6.168	6.073	6.112	5.890	6.004
623220	4.554	5.027	4.762	4.186	4.606	6.189	6.284	6.028	6.174	6.032	6.141	5.986	6.168	6.073	6.112	5.890	6.004
6233	32.765	37.522	34.134	32.996	31.438	33.442	32.094	30.658	29.079	26.679	25.603	25.113	24.876	24.962	24.238	23.228	24.224
62331	32.765	37.522	34.134	32.996	31.438	33.442	32.094	30.658	29.079	26.679	25.603	25.113	24.876	24.962	24.238	23.228	24.224
623311	18.638	21.657	19.509	18.927	18.005	19.453	18.547	17.515	16.780	14.903	14.489	13.917	14.090	12.849	12.509	11.916	12.560
623312	9.530	9.778	9.594	9.024	8.703	8.167	8.280	8.644	7.590	8.753	7.718	8.646	7.455	12.168	11.699	11.471	11.480
6239	4.855	5.037	3.833	3.850	3.487	4.031	4.329	4.361	3.935	4.460	4.172	4.275	4.093	4.321	3.916	4.219	3.746
62399	4.855	5.037	3.833	3.850	3.487	4.031	4.329	4.361	3.935	4.460	4.172	4.275	4.093	4.321	3.916	4.219	3.746
623990	4.855	5.037	3.833	3.850	3.487	4.031	4.329	4.361	3.935	4.460	4.172	4.275	4.093	4.321	3.916	4.219	3.746
624	85.737	96.637	91.519	88.003	85.777	89.069	86.925	85.905	82.831	79.878	75.568	72.936	71.018	71.085	67.981	66.759	65.250
6241	49.892	58.889	55.124	52.673	52.854	54.113	52.786	51.869	50.735	49.194	45.749	44.088	43.683	40.554	39.010	38.530	37.662
62411	5.765	6.259	5.921	5.839	5.775	5.238	5.605	5.380	5.559	5.625	5.450	4.882	5.006	4.229	4.184	3.810	3.866
624110	5.765	6.259	5.921	5.839	5.775	5.238	5.605	5.380	5.559	5.625	5.450	4.882	5.006	4.229	4.184	3.810	3.866
62412	23.318	24.108	24.860	22.534	25.240	24.081	23.668	22.071	23.125	18.851	17.664	16.662	16.814	12.921	13.196	12.533	13.518
624120	23.318	24.108	24.860	22.534	25.240	24.081	23.668	22.071	23.125	18.851	17.664	16.662	16.814	12.921	13.196	12.533	13.518
62419	24.141	30.672	27.472	26.752	25.538	27.557	26.426	26.676	25.077	26.001	23.951	23.540	23.042	23.097	21.733	21.964	20.704
624190	24.141	30.672	27.472	26.752	25.538	27.557	26.426	26.676	25.077	26.001	23.951	23.540	23.042	23.097	21.733	21.964	20.704
6242	10.304	11.060	10.871	10.057	9.799	10.487	10.572	9.495	9.776	6.690	6.949	5.529	5.797	8.560	7.995	6.605	7.829
6243	10.570	12.467	11.405	12.089	10.107	11.185	10.149	11.368	10.073	9.517	7.742	6.902	6.969	8.291	7.410	7.369	7.029
62431	10.570	12.467	11.405	12.089	10.107	11.185	10.149	11.368	10.073	9.517	7.742	6.902	6.969	8.291	7.410	7.369	7.029
624310	10.570	12.467	11.405	12.089	10.107	11.185	10.149	11.368	10.073	9.517	7.742	6.902	6.969	8.291	7.410	7.369	7.029
6244	15.687	14.996	14.778	14.392	13.089	13.915	13.679	13.971	12.615	13.912	14.085	14.741	13.145	14.061	13.553	13.923	12.695
62441	15.687	14.996	14.778	14.392	13.089	13.915	13.679	13.971	12.615	13.912	14.085	14.741	13.145	14.061	13.553	13.923	12.695
624410	15.687	14.996	14.778	14.392	13.089	13.915	13.679	13.971	12.615	13.912	14.085	14.741	13.145	14.061	13.553	13.923	12.695
71	140.668	148.756	137.879	133.088	116.986	159.459	129.731	124.731	117.214	125.460	121.008	116.717	115.416	118.626	117.784	114.206	110.255
711	58.115	90.711	70.067	65.532	55.268	87.910	64.868	58.007	53.048	76.323	47.972	47.634	45.145	59.310	47.217	46.760	47.862
7112	12.603	15.344	20.384	18.457	13.451	15.038	19.317	15.966	12.158	10.915	9.976	10.519	8.234	8.895	9.396	9.967	8.020
71121	12.603	15.344	20.384	18.457	13.451	15.038	19.317	15.966	12.158	10.915	9.976	10.519	8.234	8.895	9.396	9.967	8.020
7113	2.438	6.871	2.971	2.810	2.279	6.033	2.833	2.646	2.173	6.238	2.684	2.700	2.443	5.479	2.963	2.999	2.551
71131	0.359	0.460	0.370	0.358	0.327	0.423	0.347	0.350	0.330	0.509	0.348	0.366	0.323	0.542	0.303	0.375	0.292
711310	0.359	0.460	0.370	0.358	0.327	0.423	0.347	0.350	0.330	0.509	0.348	0.366	0.323	0.542	0.303	0.375	0.292

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
71132	2.031	6.553	2.577	2.424	1.911	5.726	2.466	2.264	1.795	5.811	2.307	2.297	2.090	4.962	2.669	2.599	2.250
711320	2.031	6.553	2.577	2.424	1.911	5.726	2.466	2.264	1.795	5.811	2.307	2.297	2.090	4.962	2.669	2.599	2.250
7114	0.102	0.330	0.357	0.312	0.310	0.810	0.349	0.192	0.179	0.160	0.197	0.269	0.233	0.212	0.183	0.159	0.173
71141	0.102	0.330	0.357	0.312	0.310	0.810	0.349	0.192	0.179	0.160	0.197	0.269	0.233	0.212	0.183	0.159	0.173
711410	0.102	0.330	0.357	0.312	0.310	0.810	0.349	0.192	0.179	0.160	0.197	0.269	0.233	0.212	0.183	0.159	0.173
712	5.487	6.551	5.763	6.275	5.511	6.438	5.273	5.845	4.959	5.722	4.835	5.327	4.498	5.112	4.484	5.147	4.293
7121	5.487	6.551	5.763	6.275	5.511	6.438	5.273	5.845	4.959	5.722	4.835	5.327	4.498	5.112	4.484	5.147	4.293
713	118.328	109.946	109.016	103.819	92.290	123.827	103.525	98.904	95.323	92.164	102.293	95.907	98.202	93.718	100.064	93.992	91.763
7139	12.433	12.040	12.490	11.543	9.648	10.701	11.414	10.881	9.311	10.119	11.942	11.135	9.789	10.559	11.977	11.067	9.179
71391	8.632	10.596	11.190	9.932	8.292	9.992	10.497	9.739	8.315	9.361	10.350	9.808	8.395	9.592	10.573	9.859	8.313
713910	8.632	10.596	11.190	9.932	8.292	9.992	10.497	9.739	8.315	9.361	10.350	9.808	8.395	9.592	10.573	9.859	8.313
71393	0.663	0.668	0.945	0.904	0.583	0.918	0.964	0.825	0.722	0.813	1.328	1.101	0.662	1.189	1.223	1.307	0.677
713930	0.663	0.668	0.945	0.904	0.583	0.918	0.964	0.825	0.722	0.813	1.328	1.101	0.662	1.189	1.223	1.307	0.677
71394	12.779	10.314	10.546	10.150	9.008	9.709	10.202	10.159	8.818	9.697	10.629	10.034	9.843	10.128	10.844	10.183	8.676
713940	12.779	10.314	10.546	10.150	9.008	9.709	10.202	10.159	8.818	9.697	10.629	10.034	9.843	10.128	10.844	10.183	8.676
71395	4.980	5.311	5.496	5.290	3.176	2.625	2.758	2.245	1.948	2.142	2.391	2.116	2.622	2.254	2.329	2.002	2.388
713950	4.980	5.311	5.496	5.290	3.176	2.625	2.758	2.245	1.948	2.142	2.391	2.116	2.622	2.254	2.329	2.002	2.388
71399	6.481	5.941	5.756	4.796	4.642	5.134	6.195	6.030	3.954	3.974	8.444	7.500	3.501	4.012	7.721	6.396	3.820
713990	6.481	5.941	5.756	4.796	4.642	5.134	6.195	6.030	3.954	3.974	8.444	7.500	3.501	4.012	7.721	6.396	3.820
72	375.065	402.929	392.615	388.000	361.741	369.520	365.202	362.299	338.063	344.302	347.598	340.956	325.808	335.101	332.902	338.016	323.534
721	80.251	97.627	88.465	88.874	85.162	78.906	80.096	75.126	73.932	78.318	76.775	76.923	77.257	79.673	79.880	77.200	77.056
7211	79.076	96.075	87.257	87.722	84.101	77.719	78.987	74.029	72.894	76.887	75.668	75.567	76.054	77.734	77.927	75.292	75.259
72111	46.421	56.466	51.346	51.695	49.541	45.674	46.556	43.460	42.785	45.135	44.502	44.373	44.835	45.712	45.979	44.315	44.403
721110	46.421	56.466	51.346	51.695	49.541	45.674	46.556	43.460	42.785	45.135	44.502	44.373	44.835	45.712	45.979	44.315	44.403
72119	0.665	0.762	0.648	0.599	0.589	0.619	0.534	0.621	0.617	0.647	0.579	0.626	0.508	0.598	0.493	0.552	0.477
721191	0.307	0.384	0.263	0.243	0.239	0.251	0.217	0.252	0.245	0.268	0.207	0.224	0.182	0.228	0.188	0.194	0.168
721199	0.329	0.332	0.374	0.345	0.339	0.357	0.308	0.358	0.363	0.365	0.374	0.404	0.328	0.367	0.302	0.362	0.313
722	290.109	306.738	301.761	297.589	276.455	285.889	281.637	281.268	260.799	264.309	267.829	262.014	248.755	255.758	253.765	259.349	246.873
7223	9.840	12.036	11.829	10.779	9.567	12.403	12.023	11.300	11.100	10.520	10.534	10.400	10.483	10.917	10.768	10.608	10.277
72231	9.380	11.198	10.084	9.154	9.223	10.378	10.061	10.645	10.456	9.613	9.625	10.076	10.156	10.018	9.473	8.958	10.131
722310	9.380	11.198	10.084	9.154	9.223	10.378	10.061	10.645	10.456	9.613	9.625	10.076	10.156	10.018	9.473	8.958	10.131
7224	10.798	10.597	10.253	10.552	9.715	8.684	8.438	8.359	7.528	7.476	7.723	7.825	7.146	7.612	7.420	7.686	7.729
72241	10.798	10.597	10.253	10.552	9.715	8.684	8.438	8.359	7.528	7.476	7.723	7.825	7.146	7.612	7.420	7.686	7.729
722410	10.798	10.597	10.253	10.552	9.715	8.684	8.438	8.359	7.528	7.476	7.723	7.825	7.146	7.612	7.420	7.686	7.729
81	218.564	251.703	235.692	230.242	218.318	239.296	229.888	221.971	214.777	231.416	221.475	216.163	209.233	229.012	221.507	218.147	209.034
811	79.802	94.382	89.305	84.670	81.826	89.258	85.381	82.573	81.176	88.206	82.893	79.454	78.995	98.361	88.312	84.845	80.521
8111	51.046	57.519	53.706	53.525	47.802	53.440	50.515	51.072	46.964	51.443	48.973	48.063	45.976	51.874	47.563	48.483	45.153
81111	23.439	25.790	24.751	24.561	21.877	24.301	22.906	22.931	21.604	22.863	21.969	21.430	20.536	24.519	22.614	22.522	21.207
811111	21.837	23.403	22.813	22.280	19.931	20.908	20.541	20.202	19.244	19.873	19.591	18.731	17.943	21.277	20.827	20.447	19.118
811112	0.824	0.871	0.855	0.909	0.823	0.386	0.333	0.353	0.277	0.302	0.271	0.293	0.265	0.319	0.245	0.238	0.216
811113	1.561	1.544	1.605	1.859	1.682	1.924	1.630	1.838	1.553	1.674	1.529	1.737	1.716	1.494	1.444	1.594	1.608
811118	0.505	0.676	0.578	0.583	0.500	0.865	0.720	0.747	0.706	0.814	0.723	0.727	0.696	0.913	0.668	0.694	0.664
81112	20.462	23.494	21.186	21.156	18.839	21.256	19.911	20.194	18.795	20.842	19.497	19.673	18.755	19.501	17.684	18.597	17.549
811121	16.970	19.317	17.268	17.233	15.446	17.466	16.220	16.375	15.299	16.382	15.446	15.438	14.834	15.323	13.833	14.532	13.976
811122	2.652	3.375	3.339	3.354	2.789	3.072	3.153	3.346	2.999	4.467	3.942	4.265	3.839	4.188	3.921	4.154	3.405
81119	7.195	8.303	7.804	7.841	7.112	7.920	7.721	7.968	6.611	7.784	7.534	7.016	6.736	7.845	7.247	7.368	6.419
811191	3.545	4.090	3.844	3.863	3.504	4.090	3.796	4.221	3.568	3.950	3.742	3.951	3.293	4.099	3.735	3.868	3.456
811192	3.272	3.609	3.587	3.454	3.316	3.361	3.663	3.569	2.807	3.234	3.384	2.773	3.004	3.354	3.143	3.174	2.684
811198	0.256	0.283	0.281	0.270	0.260	0.411	0.250	0.279	0.294	0.462	0.335	0.373	0.327	0.379	0.342	0.337	0.311
8112	4.726	6.286	5.121	4.812	5.208	5.717	5.426	5.159	6.166	7.393	6.375	5.912	6.579	6.473	6.904	5.910	6.301
81121	4.726	6.286	5.121	4.812	5.208	5.717	5.426	5.159	6.166	7.393	6.375	5.912	6.579	6.473	6.904	5.910	6.301
811212	0.941	1.058	1.091	0.852	0.875	0.869	0.856	0.877	0.767	0.896	0.784	0.781	0.767	1.155	1.055	1.065	0.980
811219	3.213	4.333	3.456	3.298	3.554	3.935	3.690	3.493	4.269	5.146	4.395	4.057	4.559	4.354	4.704	3.956	4.264
8113	23.852	29.761	29.552	25.857	27.571	29.198	27.682	25.186	25.261	26.371	24.392	23.055	23.534	38.548	30.099	28.058	25.932
81131	23.852	29.761	29.552	25.857	27.571	29.198	27.682	25.186	25.261	26.371	24.392	23.055	23.534	38.548	30.099	28.058	25.932
811310	23.852	29.761	29.552	25.857	27.571	29.198	27.682	25.186	25.261	26.371	24.392	23.055	23.534	38.548	30.099	28.058	25.932

NAIC	2016Q1	2015Q4	2015Q3	2015Q2	2015Q1	2014Q4	2014Q3	2014Q2	2014Q1	2013Q4	2013Q3	2013Q2	2013Q1	2012Q4	2012Q3	2012Q2	2012Q1
8114	2.050	2.360	2.591	2.355	2.317	2.353	2.617	2.383	2.544	2.501	2.710	2.450	2.343	2.598	2.923	2.639	2.580
81141	0.851	1.032	1.142	1.065	1.034	0.975	1.156	0.990	1.171	1.083	1.206	1.054	1.040	1.161	1.463	1.279	1.207
81142	0.232	0.281	0.311	0.290	0.282	0.266	0.315	0.270	0.319	0.295	0.328	0.300	0.263	0.264	0.297	0.291	0.299
811420	0.232	0.281	0.311	0.290	0.282	0.266	0.315	0.270	0.319	0.295	0.328	0.300	0.263	0.264	0.297	0.291	0.299
81149	1.234	1.351	1.592	1.273	1.348	1.510	1.548	1.491	1.493	1.549	1.387	1.332	1.301	1.542	1.339	1.212	1.230
811490	1.234	1.351	1.592	1.273	1.348	1.510	1.548	1.491	1.493	1.549	1.387	1.332	1.301	1.542	1.339	1.212	1.230
812	45.014	50.676	47.678	47.750	44.646	48.434	46.840	46.371	43.969	46.872	44.801	44.838	41.667	44.863	42.299	43.363	41.314
8121	14.871	17.112	15.925	16.290	14.571	15.710	14.923	15.229	13.858	14.894	13.852	13.940	12.844	13.787	13.034	12.974	12.495
81211	10.463	11.717	11.170	11.385	10.409	10.341	10.435	10.543	9.880	9.868	9.547	9.460	8.782	9.140	9.019	8.970	8.683
812111	0.431	0.443	0.382	0.369	0.338	0.349	0.299	0.284	0.193	0.188	0.153	0.199	0.148	0.165	0.189	0.180	0.172
812112	8.095	9.237	8.890	9.017	8.514	8.436	8.299	8.441	8.218	8.180	8.029	7.995	7.589	7.856	7.706	7.650	7.522
812113	2.769	2.801	2.585	2.809	1.898	1.901	2.608	2.554	1.858	1.940	1.681	1.423	1.023	1.130	1.154	1.204	0.882
81219	4.353	5.395	4.704	4.860	4.077	5.451	4.446	4.664	3.902	5.091	4.293	4.498	4.064	4.707	3.997	3.988	3.787
812191	0.852	1.056	0.734	0.759	0.637	0.851	0.773	0.811	0.678	1.370	1.155	1.457	1.121	1.299	1.233	1.246	1.314
812199	3.286	4.073	3.657	3.779	3.170	4.238	3.412	3.579	2.994	3.633	3.063	3.070	2.885	3.341	2.763	2.748	2.535
8122	7.509	8.312	8.258	8.154	7.759	8.048	7.738	7.904	7.601	7.807	7.667	7.755	7.235	8.208	7.473	8.299	7.315
81221	6.723	7.444	7.465	7.366	7.008	7.216	6.812	6.839	6.543	6.872	6.396	6.592	6.440	6.875	6.271	6.799	6.257
812210	6.723	7.444	7.465	7.366	7.008	7.216	6.812	6.839	6.543	6.872	6.396	6.592	6.440	6.875	6.271	6.799	6.257
81222	0.909	1.005	0.948	0.940	0.896	0.967	1.020	1.127	1.108	1.030	1.264	1.191	0.903	1.333	1.205	1.458	1.095
812220	0.909	1.005	0.948	0.940	0.896	0.967	1.020	1.127	1.108	1.030	1.264	1.191	0.903	1.333	1.205	1.458	1.095
8123	14.873	16.324	15.238	15.373	14.768	16.086	15.519	14.988	14.552	15.493	14.904	15.026	14.307	15.413	14.727	15.051	14.696
81231	3.370	3.462	3.241	3.511	3.148	3.610	3.387	3.138	2.664	2.671	2.349	2.357	1.981	2.163	2.067	2.325	2.270
812310	3.370	3.462	3.241	3.511	3.148	3.610	3.387	3.138	2.664	2.671	2.349	2.357	1.981	2.163	2.067	2.325	2.270
81232	4.066	4.654	4.408	4.625	4.270	4.605	4.464	4.642	4.343	4.667	4.562	4.759	4.438	4.831	4.640	4.942	4.850
812320	4.066	4.654	4.408	4.625	4.270	4.605	4.464	4.642	4.343	4.667	4.562	4.759	4.438	4.831	4.640	4.942	4.850
81233	8.030	8.757	8.132	8.025	7.880	8.563	8.274	7.817	7.799	8.322	8.020	7.987	7.736	8.236	7.910	7.899	7.753
8129	7.648	8.837	8.294	7.794	7.503	8.542	8.729	8.311	8.094	8.778	8.582	8.248	7.303	7.499	7.005	7.155	6.709
81291	2.089	2.413	2.348	2.175	2.043	2.026	2.231	1.940	1.932	1.815	1.949	1.806	1.707	1.705	1.631	1.587	1.512
812910	2.089	2.413	2.348	2.175	2.043	2.026	2.231	1.940	1.932	1.815	1.949	1.806	1.707	1.705	1.631	1.587	1.512
81293	3.607	4.218	3.681	3.632	3.770	4.585	4.508	4.439	4.342	4.835	4.760	4.431	3.873	3.928	3.806	3.848	3.721
812930	3.607	4.218	3.681	3.632	3.770	4.585	4.508	4.439	4.342	4.835	4.760	4.431	3.873	3.928	3.806	3.848	3.721
813	93.616	106.956	98.463	97.377	91.544	100.570	96.991	90.590	88.356	94.504	93.281	90.427	87.971	90.729	89.672	87.590	85.831
8132	64.056	73.083	61.419	69.750	62.691	71.302	66.245	57.317	55.723	69.743	58.781	61.899	57.194	58.222	49.771	54.352	53.115
81321	64.056	73.083	61.419	69.750	62.691	71.302	66.245	57.317	55.723	69.743	58.781	61.899	57.194	58.222	49.771	54.352	53.115
813211	47.449	60.277	50.862	60.115	53.220	60.442	58.817	45.798	45.255	57.211	50.162	52.867	49.046	46.814	42.359	46.722	46.470
813212	7.995	5.709	4.817	5.694	5.041	5.725	5.571	4.338	3.594	5.072	3.695	4.181	3.431	4.457	3.107	3.634	3.167
813219	6.011	7.528	6.352	7.507	6.646	7.548	7.345	5.719	5.638	6.513	5.082	5.169	4.948	5.669	4.359	4.446	4.256
8133	6.244	7.085	6.387	6.336	6.395	6.740	6.349	6.141	6.156	5.664	5.350	5.126	5.224	5.208	5.552	5.523	5.520
81331	6.244	7.085	6.387	6.336	6.395	6.740	6.349	6.141	6.156	5.664	5.350	5.126	5.224	5.208	5.552	5.523	5.520
813319	3.913	4.449	4.110	4.133	4.168	4.276	4.013	3.874	3.908	3.604	3.373	3.219	3.328	3.265	3.611	3.591	3.583
8134	6.417	7.183	8.044	7.009	6.511	6.503	7.983	7.034	6.573	6.316	7.683	7.156	6.712	6.584	7.706	7.403	6.901
81341	6.417	7.183	8.044	7.009	6.511	6.503	7.983	7.034	6.573	6.316	7.683	7.156	6.712	6.584	7.706	7.403	6.901
813410	6.417	7.183	8.044	7.009	6.511	6.503	7.983	7.034	6.573	6.316	7.683	7.156	6.712	6.584	7.706	7.403	6.901
8139	23.576	26.996	24.666	23.923	22.380	25.205	23.295	22.462	21.686	23.335	23.684	22.534	22.070	23.197	22.667	21.175	20.927
81391	14.514	14.414	13.340	13.357	13.103	14.659	12.844	12.778	12.388	13.211	12.872	13.067	13.002	14.028	12.993	12.323	12.285
813910	14.514	14.414	13.340	13.357	13.103	14.659	12.844	12.778	12.388	13.211	12.872	13.067	13.002	14.028	12.993	12.323	12.285
81392	5.946	8.546	7.909	7.920	7.769	8.692	7.615	6.871	6.662	7.191	6.498	6.596	6.564	7.933	7.347	6.191	6.172
813920	5.946	8.546	7.909	7.920	7.769	8.692	7.615	6.871	6.662	7.191	6.498	6.596	6.564	7.933	7.347	6.191	6.172

Appendix C. Metropolitan Statistical Areas

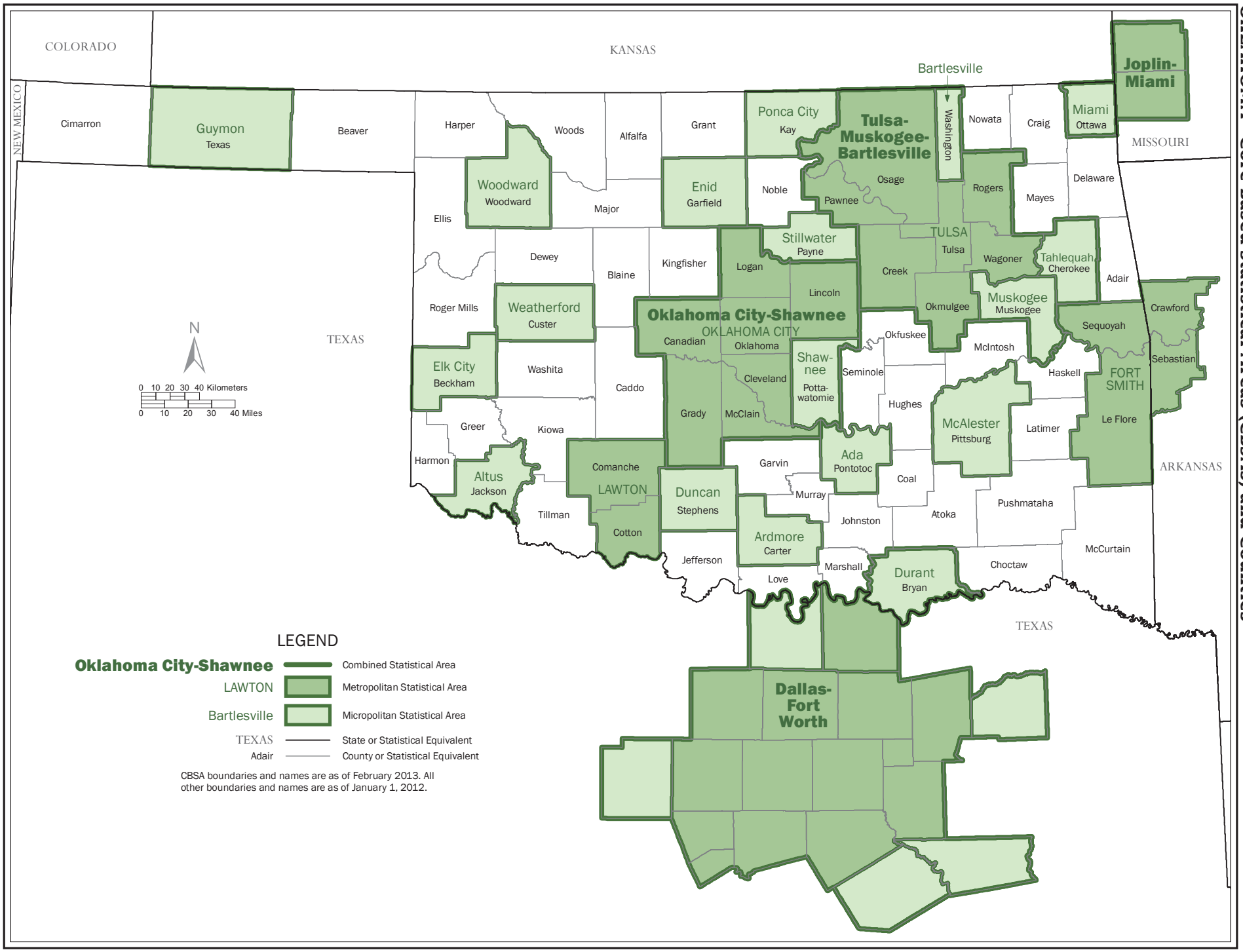
According to the U.S. Census Bureau, "Metropolitan and micropolitan statistical areas (metro and micro areas) are geographic entities delineated by the Office of Management and Budget (OMB) for use by Federal statistical agencies in collecting, tabulating, and publishing Federal statistics. The term "Core Based Statistical Area" (CBSA) is a collective term for both metro and micro areas. A metro area contains a core urban area of 50,000 or more population, and a micro area contains an urban core of at least 10,000 (but less than 50,000) population. Each metro or micro area consists of one or more counties and includes the counties containing the core urban area, as well as any adjacent counties that have a high degree of social and economic integration (as measured by commuting to work) with the urban core."[5]

"A metropolitan or micropolitan statistical area's geographic composition, or list of geographic components at a particular point in time, is referred to as its "delineation." Metropolitan and micropolitan statistical areas are delineated by the U.S. Office of Management and Budget (OMB) and are the result of the application of published standards to Census Bureau data. The standards for delineating the areas are reviewed and revised once every ten years, prior to each decennial census. Generally, the areas are delineated using the most recent set of standards following each decennial census. Between censuses, the delineations are updated to reflect Census Bureau population estimates. Areas based on the 2010 standards and Census Bureau data were delineated in February of 2013, and updated in July of 2015."[6]

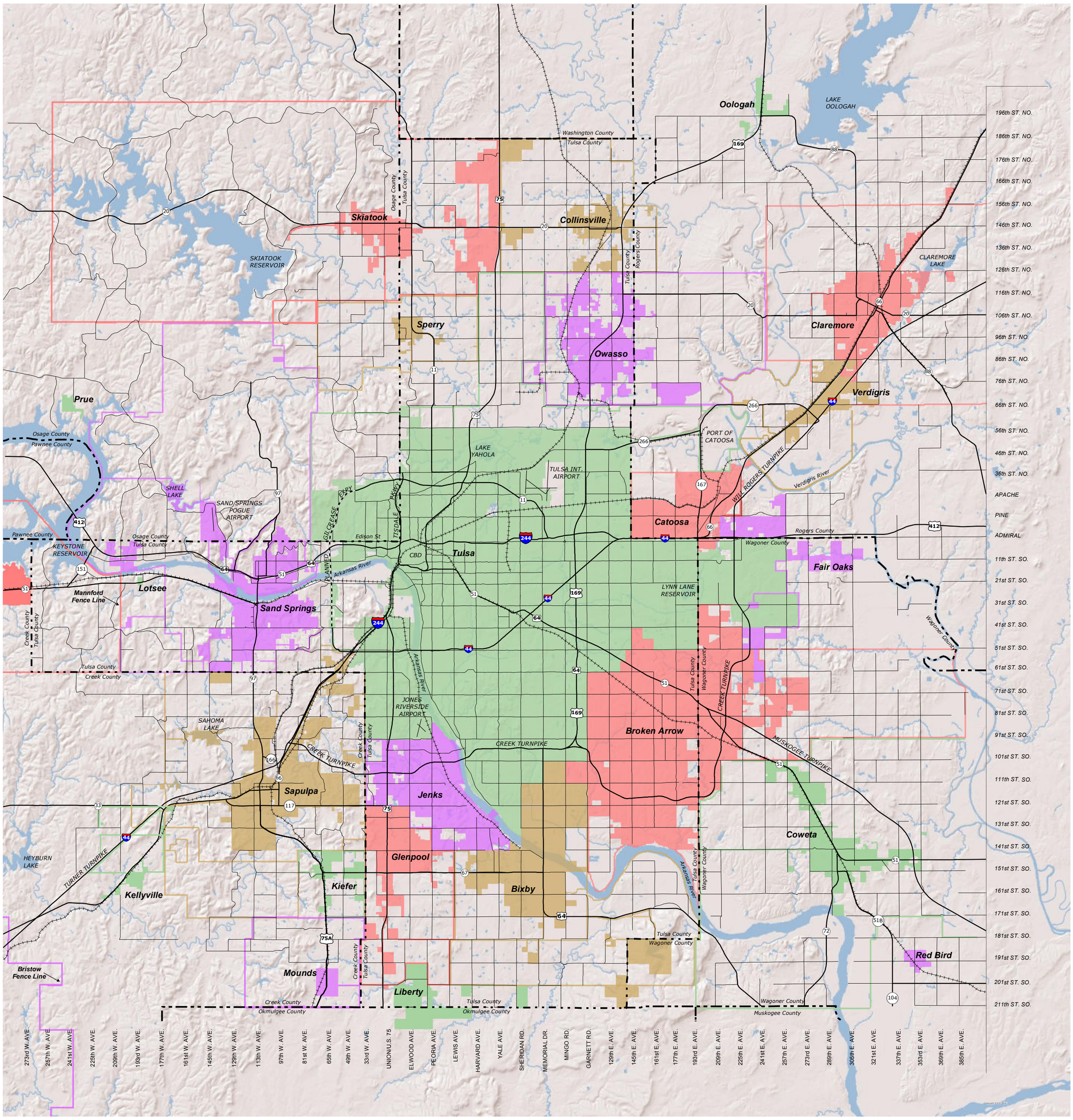
Per most recent Office of Management and Budget (OMB) bulletin, the Tulsa MSA includes: the principal city of Tulsa, Creek County, Okmulgee County, Osage County, Pawnee County, Rogers County, Tulsa County, and, Wagoner County. According the 2010 census, Tulsa MSA had a population 937,478 (which is estimated to be 981,005 in 2015; of which 399,682 reside in the City of Tulsa). The City of Tulsa (according to the attached map from the City) spans three counties: Tulsa, Osage and Wagoneer. But based on tax data, the Tulsa County part of the city has generated over 90% of all sales/use taxes. The attached maps show the Tulsa MSA limits as well as the City of Tulsa limits.

[5] https://www.census.gov/population/metro/
[6] https://www.census.gov/population/metro/data/metrodef.html

OKLAHOMA - Core Based Statistical Areas (CBSAs) and Counties



U.S. DEPARTMENT OF COMMERCE Economics and Statistics Administration U.S. Census Bureau



METROPOLITAN TULSA AREA CORPORATE LIMITS

TERRITORIAL AND JURISDICTIONAL LIMITS 2014

NOTE:

THIS MAP IS UPDATED ANNUALLY AND CHANGES MAY OCCUR AFTER THE DATE OF PUBLICATION. THEREFORE, AREAS IN QUESTION SHOULD BE VERIFIED AT THE INCOG OFFICE OR AT THE RESPECTIVE MUNICIPALITY.

THIS MAP SHOULD BE USED FOR GENERAL REFERENCE PURPOSE ONLY. SOME FEATURES HAVE BEEN GRAPHICALLY ENHANCED FOR CLARITY PURPOSES.

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PREPARED BY INCOG
May 2014

Biographical Information

Professor Ali Nejadmalayeri, Ph.D., CFA, or as students call him, "Dr. N", is an Associate Professor of Finance and the Jay and Fayenelle Helm Professor in Business at the Spears School of Business of the Oklahoma State University. He is currently the Finance Department's Ph.D. program director. He teaches undergraduate and graduate (MBA and doctoral) courses about portfolio management, risk management, investment theory, and corporate finance. He has coached OSU's trading team to the Rotman's International Trading Competition in Canada where the team placed first in the sales and trading heat in 2008. He was previously the finance area coordinator and the faculty advisor to a student-managed fund at the University of Nevada-Reno.

Dr. N has published in leading finance and economics journals, including *The Journal of Business*, *The Journal of Banking and Finance*, *The Journal of Corporate Finance*, *The Journal of Real Estate Finance and Economics*, and *The Journal of the Academy of Marketing Science*. His published research deals with topics such as the effect of corporate taxation on bond yields, the impact of macroeconomics (e.g., monetary policy, Sarbanes-Oxley Act) and microeconomics (e.g., corporate advertising) on corporate bond prices, the impact of interest rate movements on corporate decisions, and a variety of other questions that investigate the intersection of capital markets and corporate finance. More recently, he has examined how the macroeconomy (e.g., housing prices) and the public policy (e.g., GASB rules) affect municipal bonds prices. His research has been recognized with numerous awards and accolades, including the 2016 OSU-Tulsa President's Researcher of the Year Award, the Spears School Poole Research Award in 2012, 2014, and 2016; the Nevada Alpha Chapter of BETA GAMMA SIGMA 2003 Researcher of the Year Award; and the McGraw-Hill/Irwin Distinguished Paper Award MBAA in 2005 and 2013.

Dr N holds a Bachelor of Science degree in Electrical Engineering from the University of Tehran, an M.B.A. degree from Texas A&M University and a Ph.D. in Finance from the University of Arizona. Prior to joining academia, he had worked in the Oil and Gas industry, and since, has consulted with major global banks such as Barclays Global and investment management companies.