

## ECONOMIC INDICATORS

### Ohio and United States Job Growth

**Ohio Loses 57,000 Jobs in Preliminary April 2017 Estimate**

**Giant Downward Annual Benchmark Revision of 138,100 Jobs in 2016 Still Dominates Data**

**Ohio Now With New Streak of 53 Consecutive Months below USA National Average**

**Previous Favorable Data for June and July 2016 Revised Away**

**Last Month's March 2017 Data Revised Down 200, Seas Adj and Not Seas Adj**

**Ohio Loses 1,900 Jobs in Government, 2,600 Lost in State Govt, Slowing Ohio's Growth Rate**

**Ohio High Wage Durable Goods Manufacturing Loses 4,700 Jobs in April**

**Total Manufacturing Down 5,800, Construction Down 7,400 Jobs in April**

**During 2016, Ohio Gains only 49,700 Jobs; a Sharp Deterioration over 60,700 During 2015**

**2016 with Fewest Annual Ohio Jobs Gained since 2009 during "Great Recession"**

**Numerous Major Revisions Made in January Going Back 4 Years**

**Ohio Unemployment Rate Estimate Declines from 5.1% in March to 5.0% in April**

**Unemployment Down from 21,000 Increase in Ohio Labor Force in April**

**Ohio 5.0% Unemployment above USA 4.4% in April Extending 6 Month above Avg. Streak**

**Massive Revisions Down to Prior Months from Annual Benchmark Revision to Job Estimates**

**Ohio's Sub-Par Job Growth Streak Restored and Lengthened**

**Earlier Ohio Sub-par Streak Ended in May 2010 at 171 Consecutive Months**

**New Streak with Ohio below USA Average for 53 Consecutive Months in April 2017**

**Ohio's Job Loss since May 2000 Beginning of Ohio Recession Now -123,400**

**-2.2% of Ohio Jobs Lost Since May 2000 after Revisions & April 2017 Job Loss**

**Massive Prior Ohio Job Losses Document Continuing Need to Speed up Recovery**

**123,400 Ohio Workers Still Cannot Find a Job, since Recovery still too Slow**

**Government Loses 1,900 Jobs in April 2017; -2,600 in Local Government**

**Government Cuts Slowing down Ohio Recovery through Austerity Public Policy**

*By George Zeller*

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### Summary

In newly released data from the Ohio Department of Jobs and Family Services and the US Department of Labor, the state of Ohio *lost* 5,700 jobs in April 2017. Previously released Ohio job figures from the annual January 2017 figures were revised downward massively by the annual comparison between the QCEW complete count of jobs and the monthly Current Employment Statistics survey. The 2016 revisions were downward by a very large 138,100. Data for 2015 were revised upward by 27,800 in Ohio not seasonally adjusted, with 2014 revised upward by 400 jobs in Ohio. Years between 2010 and 2013 were revised by less than 300 jobs for each of those four years. Meanwhile, the estimated Ohio unemployment rate fell from 5.1% in March to 5.0% in April, and has been above the USA national average for six consecutive months between November and April.

The Ohio labor force increased by 21,000 in April, driving the small decline in estimated unemployment rate in Ohio.

Meanwhile, Ohio's April job growth rate slowed to 0.60% and was below the also slowing 1.51% USA job growth rate for the fifty-third consecutive month, with the streak dramatically lengthened as a result of the large downward revisions to previously released 2016 job data.. The normally less reliable February unemployment estimate was an increase of 26,000 employed workers and a decrease of 5,000 unemployed workers for a net improvement of 31,000 workers during a month when Ohio actually lost 5,700 jobs. In the normally more reliable estimates, the new April 2017 data on total employment in Ohio remained well below national norms. The Ohio job growth rate for February 2017 slowed to 0.60% while the United States national job growth rate for April 2017 also slowed to 1.51%. Given all of these major changes, **Ohio now has a fifty-three consecutive month streak with Ohio's job growth below the USA national average, including all months for four full years and five additional months.** Better data previously released for early summer months in 2016 disappeared in the very large downward annual benchmark revision in Ohio.

**In a very unusual move, the US Bureau of Labor Statistics released a substantial downward "correction," not a "revision," to seasonally adjusted data on Ohio employment during numerous prior months, particularly during the winter in January, February, and March of both 2014 and 2015 and also in September 2015. Another highly unusual downward correction for all seasonally adjusted data between October 2014 and April 2015 was released in October 2015. The BLS seasonal adjustment model has not been performing well during the winter during the past four years, causing the need for annual downward revisions.**

There were very large revisions in January 2015 and January 2016 over a period of time going back 16 years to both the seasonally adjusted and not seasonally adjusted Ohio monthly job figures because the annual rebenchmarking revisions from a comparison of the monthly Current Employment Statistics survey estimates and the more precise and accurate Quarterly Census of Employment and Wages complete count of jobs, as it is done every year with the January figures.

Following the annual 2016 benchmark revision to the monthly Current Employment Statistics CES survey of Ohio firms to the more comprehensive but delayed Quarterly Census of Employment and Wages QCEW complete count of jobs, Ohio's monthly job performance during 2013 and 2014 changed noticeably. In 2010 Ohio gained 58,800 jobs. In 2011 Ohio gained 78,600 jobs. During 2012 Ohio gained 75,800 jobs. In 2013 revised figures find that Ohio gained 76,000 jobs. During 2014, Ohio gained 96,000 jobs. In 2015, Ohio gained 60,700 jobs. During 2016 Ohio gained only an alarmingly slow 49,700 jobs, the smallest number of jobs gained in Ohio since 2009 during the "Great Recession." **While Ohio continues to recover from both the 2000s recession and the 2007 "Great Recession," the speed of Ohio's recovery has unfortunately been slowing continuously at a below average pace for 53 consecutive months.**

In addition, during 2013, 2014, 2015, and during the twelve months of 2016, the monthly estimates are completely overshadowed by extensive revisions that were made to all previously released months in 2013, 2014, 2015, 2016 and during all prior years going back to April 2000. As this report has previously pointed out on a monthly basis, every year the January data are subject to a major process called a "benchmark revision." The monthly survey data from the Current Employment Statistics CES survey of Ohio firms are compared to the more accurate and precise data available on a delayed basis from the complete count of Ohio jobs in the QCEW Quarterly Census of Employment and Wages. The monthly CES survey data are then revised, based upon what is now known from the complete count of

jobs. This benchmark revision to 2014 data was released on March 6, 2015 by ODJFS and the US Bureau of Labor Statistics. The 2013 annual revision was implemented in the data for January 2014, with the precise monthly revisions finally released on March 17, 2014 by the US Bureau of Labor Statistics. The 2015 benchmark revision was released on March 4, 2015 by ODJFS, although the US Bureau of Labor Statistics did not completely released the revisions for states including Ohio until later in March 2016. The same timing at BLS was used during March 2017. The scope of this year's revisions was larger than it was during prior years, particularly in 2016. The findings are largely unfavorable. The rebenchmarked and revised monthly estimates find that Ohio's recovery from the 2000-2011 Ohio labor market recessions and the very deep 2007-2009 national "Great Recession" has been too slow on an annual basis in 2010, 2011, 2012, 2013, 2014, 2015, 2016, and during early 2017 months.

The revisions to January, February, and March 2016 released for April 2016 were unusually large. January 2015 not seasonally adjusted estimate for Ohio was revised downward by a massive 117,900. Not seasonally adjusted, the Ohio February 2016 estimate was revised downward by 99,700 while the March 2016 estimate was revised downward two months ago by 76,800.

The gain of 49,700 in Ohio during 2016 was slower in comparison to the 60,700 jobs that Ohio gained during 2015. Ohio's recovery continues, even though it has recovered continuously below the speed of the ongoing United States recovery for all 53 months since December 2012.

Following extensively revised Ohio job figures and the newly reported loss of 5,700 Ohio jobs in April 2017 the loss in Ohio employment since the May 2000 beginning of the very deep 2000-2011 decade-long Ohio labor market recession increased in April 2017 to -123,400. That large figure is now a loss of -2.2% of Ohio's total employment during the last 17 years. **Ohio has still not recovered from the terrible and very lengthy 2000-2011 Ohio labor market recession, from which the USA long ago recovered.** The annual benchmark revisions completely changed what is known about Ohio's recent employment trend. As a result of the routine annual revisions to previously released Ohio employment data, Ohio job figures are noticeably different from the same figures when earlier 2013, 2014, 2015, and 2016 Economic Indicators reports on Ohio employment were prepared.

Ohio's job losses from the very deep national recession were deeper than previously reported by both the US Bureau of Labor Statistics and by ODJFS. The culprit in this massive underestimate of Ohio job losses was the failed "birth-death" model of firms that added hundreds of thousands of jobs to the Ohio job estimates that do not exist. The newly implemented generally downward revisions and corrections to previously estimated Ohio job figures going all the way back to 2000 have corrected most of this problem in both the USA data and in the Ohio data. But, remaining overestimates remained, which were corrected during the release of January and March 2017 data.

**Following the annual benchmark revision and the new sub-par Ohio March 2017 job growth figure, during April 2017 Ohio's current year over year job growth slowed to 0.60%. The April 2017 USA job growth rate simultaneously slowed to 1.51%. Thus, in April 2017, Ohio's alarming streak sub-par job growth was extended to fifty-three consecutive months when Ohio's job growth has been below the USA national average, a period of four full years and five additional months.**

It is clear in the newly released data that Ohio is finally recovering from the very deep and lengthy 2000s recession in the state's labor market. That is a favorable development. But, the current rate of recovery is still too slow, so the state has a very long way to go before it recovers the 123,400 jobs that Ohio has lost since 2000. That loss from the nationally mild 2000's national recession is currently 2.2% of Ohio's employment during the past seventeen years in the newly available April 2017 data.

That loss of -2.2% of Ohio's total employment over the period of more than a decade remains an extremely serious issue in the state. The continually slow pace of Ohio's current recovery is still too slow and is continuously below national norms. So, there remains an urgent need for Ohio to increase the pace of its recovery from the lengthy and deep 2000s recession. **Additional large Ohio employment increases are still currently and urgently needed to recover from the massive prior job losses in the state.**

In far more positive news, it is now known with certainty that Ohio ended its lengthy sub-par job growth streak in June 2010. Between March 1996 and May 2010 Ohio had an all-time record streak of 171 consecutive months over a period exceeding 14 years when Ohio's job growth was below the United States national average. The breaking of this horrible long term disastrous streak in June 2010 was an outstanding development.

But, ominously, in December 2012, Ohio started a new sub-par streak of job growth below the USA national average. **That fifty-three consecutive month streak has been continuous between December 2012 and April 2017.**

Despite the current ongoing labor market recovery in the state, Ohio badly needs to speed up its current rate of employment growth to finally recover the -123,400 jobs that it previously lost during the lengthy 2000s Ohio labor market recession that lasted for eleven years and also to equal current growth rates being experienced in the rest of the United States.

**Given newly revised data, it is now known that on a year over year basis, Ohio's horrible streak of consecutive months with job growth below the USA national average was stopped in July 2010 at 171 consecutive months.**

Since July 2010, the Ohio trend has been relatively erratic from month to month. In December 2012, a new negative streak of fifty-three consecutive months with Ohio below the USA national average started. This pattern is very different than it had been in prior months before the substantial revisions to Ohio job estimates that were made in January 2011, 2012, 2013, 2014, 2015, 2016, and 2017 to correct for large prior overestimates of Ohio employment.

**The new data for April 2017 measure Ohio's job growth during the past year at a slowing 0.60% while job growth in the USA is an also slowing 1.51% during the same one year period of time. In previously revised data, Ohio's horribly lengthy streak of consecutive months when Ohio's job creation had been slower than simultaneous job creation in the USA was stopped in July 2010 data at 171 consecutive months with Ohio's job growth being below the national average. This had been the longest sub-par job growth streak for Ohio in the history of job statistics in the United States.** Ohio's year over year job growth had not exceeded the United States average in any month between March 1996 and June 2010. But, large upward revisions to numerous 2010 months in

Ohio brought that lengthy streak to an end. However, the new and currently active streak of 53 consecutive months with Ohio's job growth once again below the United States national average in April 2017 is obviously an unfavorable and highly alarming development.

**There were no quarterly benchmark revisions released during any 2011 month to the Current Employment Statistics estimates of Ohio and USA employment, despite the prior announcement by the US Bureau of Labor Statistics that such revisions would be forthcoming on a quarterly basis during 2011. But, those large revisions were instead made only on a routine annual basis when the January 2012, 2013, 2014, 2015, and 2016 data were released.**

It now is clear that *the new preliminary data definitively and clearly measure a trough low point in the labor market from the 2000s recession in Ohio*. Ohio now has a year over year employment growth rate of 0.60% in April 2017, a figure once again below the 1.51% USA national growth rate during the same month. **The estimates find that the Ohio labor market is finally in an economic recovery, but that recovery needs to continue for dozens of subsequent months to recover the 123,400 jobs previously lost in Ohio since 2000.**

The 2000s recession lasted for eleven years in Ohio's labor market. During 2008, Ohio lost -162,600 jobs. During 2009, Ohio's loss of -247,400 jobs was substantially larger and disastrously high. But, then Ohio's gain of 58,800 jobs in 2010, 78,600 jobs in 2011, 75,800 jobs in 2012, 76,000 jobs in 2013, 96,000 jobs during 2014, 60,700 jobs during 2015, and 49,700 jobs during 2016 provide strong evidence that the 2000s Ohio labor market recovery is ongoing. But, the growth rate of Ohio employment has thus far been too slow for the state to recover huge numbers of the jobs previously lost 2000-2011.

By industry in Ohio, relatively high wage Durable Goods Manufacturing employment decreased during April 2017 by 4,700 jobs. Nondurable Goods Manufacturing simultaneously fell by 1,100 in April 2017, increasing the April 2017 loss in all Manufacturing employment to a troubling 5,800 jobs. Since Manufacturing growth has been driving the ongoing recovery from the 2000s recession in Ohio, this was a very important negative development in the new data. Large cuts in Government employment seen in numerous prior months have been and still are the chief driving force that has been slowing down Ohio's recovery. Government fell by 1,900 jobs in April, driven primarily by a loss of 2,600 State Government jobs. Thus, cuts in Government spending have been and continue to be the major factor slowing down Ohio's current rate of recovery from the Ohio and national recessions.

**Overall, Government employment remains the most substantial long run contributor among all Ohio industries to the still too slow rate of labor market recovery in Ohio. These cuts in Government employment have been very badly timed, since cuts in Government spending during a bad recession have the known effect of slowing down growth. The impact of additional cuts from the forthcoming Ohio biennial budget and the ongoing budget process at the Congress in Washington, along with a small increase in interest rates during mid-December by the US Federal Reserve Bank and substantial declines in USA equity markets during various 2017 months are measured in this month's figures. But, the end of losses in both Durable Goods Manufacturing and Government during June, July, and August were the primary cause of the continued growth in Ohio employment through August 2016. Losses in both industries in**

**September and October 2016 slowed down Ohio's recovery further, with little improvement during subsequent months.**

## **Definitions**

Employment is measured in this report by the Current Employment Statistics series released monthly by the Ohio Department of Jobs and Family Services and the United States Bureau of Labor Statistics. These data are generated by a very large sample survey of Ohio firms. The coverage by industry in this sample is variable, but it is particularly reliable for Manufacturing firms. Further, on an annual basis, the Current Employment Statistics are revised on the basis of trends in the QCEW Quarterly Census of Employment and Wages complete count of employment and earnings. Therefore, current monthly data are always subject to revision, but data for prior years are normally quite accurate and stable.

Job growth in both Ohio and in the United States is measured by the percentage change in employment in comparison to the figure in the same month of the prior year. Data are from the Not Seasonally Adjusted Current Employment Statistics series, which avoids problems in the seasonal adjustment model over time. This CES series is available for all months since the end of the Great Depression in the United States. Monthly data on annual employment growth are available for both Ohio and the United States since 1940.

For many decades, the industrial structure of Ohio has been very similar to the industrial structure of the United States as a whole. As a result, patterns in the business cycle in Ohio have paralleled national patterns in the business cycle. During the 1940s, Ohio's job growth exceeded the national average during 70 percent of all months of that decade. In subsequent decades, Ohio's job growth was less robust in comparison with national trends. Ohio's job growth generally paralleled national job growth during the 1950s, and the 1960s. This pattern vanished during the 87 months between September 1977 and December 1985. Ohio's job growth rate was below the national average for all 87 consecutive months of the period between September 1977 and December 1985. These 87 months coincided with the very severe double dip recession of the 1979-1983 period. Those two national recessions were unusually severe in Ohio. Large and continual losses Ohio's manufacturing job base rippled through the rest of the Ohio economy during this four year period of the late 1970s and early 1980s. The peak month for Ohio employment prior to the 2007 national "Great Recession" was March 2006. A later 2007 month had been previously used in this report, but since Ohio began losing jobs shortly prior to the national USA "Great Recession," the change in methodology improves the accuracy of the figures.

Following the severe 1979-1983 recession, and the milder 2000-2002 national recession, Ohio returned to extended periods of job growth in parallel with the national business cycle. **But, that pattern ended in March 1996.** In February 1996, Ohio's job growth exceeded the rate of job growth in the nation during that month. During March 1996, in a development little noticed at the time, Ohio's job growth was slower than the national average. This unfortunate pattern of sub-par job growth continued for every single month of all years after March 1996 through July 2010. Ohio did not experience even one above average month of growth during that period. **That lengthy sub-par job streak, which reached all months during 14 years and four additional months, has been the longest period of below average job growth in the history of Ohio. But, that streak was fortunately stopped in July 2010.** Ohio then returned to a new streak of fifty-three consecutive months when its job growth rate was once

again been below the USA national average between December 2012 and April 2017. That streak is a current streak.

## **The Data**

In the most recently available figures, newly released for April 2017, Ohio's job growth rate during the past year since April 2016 was positive but slowing 0.60% growth from a year over year 2016-2017 gain of only, 32,800 jobs in Ohio. In April 2017, the simultaneous rate of job growth during the year in the United States is a slowing rate of increase of 1.51% from a more robust national year over year gain of 2,169,000 jobs. The new April 2017 Ohio job growth estimates combined with annual benchmark revisions to the 2014, 2015, and newly revised 2016 data mean that **Ohio's streak of consecutive months with its job growth below the USA national average was extended to 53 consecutive months between December 2012 and April 2017. The 2016 benchmark revision found that smaller streaks caused by favorable Ohio job growth during the early summer of 2016 have been revised away.**

Revised Ohio job estimates from the Current Employment Statistics now measure Ohio's job losses during prior years at -8,400 in 2006, -8,000 in 2007, -162,600 in 2008, and -247,400 in 2009. But the newly revised estimates find that Ohio gained 58,800 jobs in 2010, 78,600 jobs in 2011, 75,800 jobs in 2012, 76,000 jobs in 2013, 96,000 jobs during 2014, 60,700 jobs during 2015, and gained only an alarmingly tiny 49,700 jobs during 2016. Thus far during the first four months of 2017 Ohio has gained only 9,100 jobs. The end of job losses from the lengthy and deep 2000s recession in Ohio is obviously very good news. But, the rate of job growth slowed in Ohio during 2012, 2013, 2014, 2015, 2016, and so far during 2017. **Ohio has still not yet recovered the huge number of jobs that it lost during the 2000-2011 Ohio labor market recession. Ohio's rate of recovery remains too slow. An increase in the rate of current recovery is urgently desirable.**

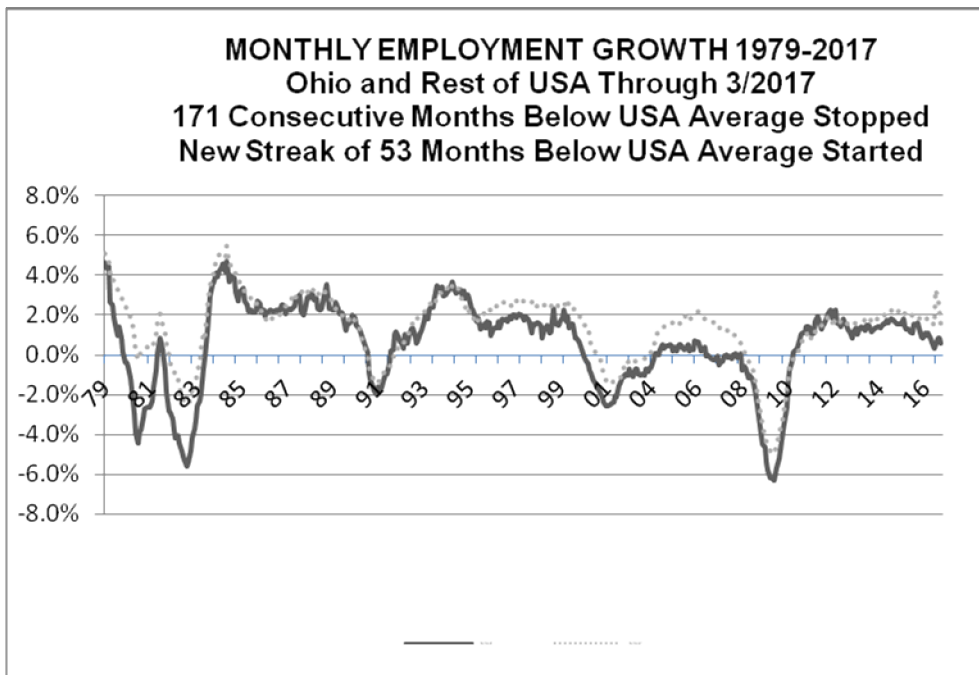
Since Ohio's peak employment prior to job losses from the mils national recession seventeen years ago in 2000, Ohio has lost -123,400 jobs that have still not yet been recovered, or -2.2% of the state's employment during the last seventeen years.

**June 2010 was the 171st consecutive month when Ohio's job growth was below the national average. This was by far the longest streak of sub-par Ohio job growth in the history of job statistics in Ohio and in the United States. This horrible and very troubling sub-par job growth streak had been extended during every month for 14 consecutive years and three additional months. The state's lengthy record breaking sub-par job growth streak was therefore finally broken in July 2010. This of course was an outstanding positive development.**

**In December 2012 data, Ohio's job growth during the past year was an increase from growth of 1.53%. Comparable data for the United States during December 2012 measured a small national employment increase at 1.68%. Thus, a new sub-par job growth streak therefore started in Ohio during December 2012.**

**That streak extended for 53 consecutive months between December 2012 and April 2017, and unfortunately is a currently ongoing streak.**

**Unfavorable figures in new April 2017 data indicate that Ohio's year over year job growth slowed to an increase of 0.60% while the USA's year over year job growth in April 2017 also slowed to a current growth rate of 1.51%.**



The United States first registered job growth during a recovery from the 2000s recession in December 2003. Ohio's labor market recovery began later during March 2004. Ohio's extremely weak recovery was well below rates of simultaneous recovery that were registered in the United States. During half of the twelve months of 2006, there was no job growth at all in Ohio as during 2006 the state lost -8,300 jobs despite a national economic recovery from the 2000s recession. During 2007 Ohio suffered a small job loss of -7,300 jobs. In a year to year comparison, Ohio lost jobs during all 2007 months except January. The United States experienced small year to year job gains during 2007 while Ohio experienced a year over year employment decline.

Then, during 2008, Ohio suffered year over year employment losses during all months except January and April. The entire United States also lost employment during all 2008 months as a result of the 2007-2009 national "Great Recession." The year over year job growth figure in the United States for December 2008 was a -2.6% loss. Ohio's year over year loss between December 2007 and December 2008 was a loss of -3.1%. Ohio's year over year rate of job loss during all months of 2008 was worse than the rate of the USA loss, despite the fact that the United States rate of job loss accelerated rapidly during the last four months of 2008.

Revisions to the monthly job estimates were predicted in this Economic Indicators analysis within this report during several prior months. Major revisions to the Current Employment Statistics are made every year through a comparison of the monthly Current Employment Statistics Survey of USA firms and the QCEW complete count of jobs in the Quarterly Census of Employment and Wages. The annual revision via rebenchmarking the job estimates from the Current Employment Statistics survey to more accurate and precise figures from the Quarterly Census of Employment and Earnings complete count



of jobs in all Ohio counties was performed when data for January 2009 were released. That downward revision was -92,900 jobs in June 2009, the largest such downward revision in Ohio history. The same revision to United States nationwide jobs exceeded -1 million jobs, also the largest downward revision for national employment in history. The monthly downward revisions generally were in the range of 80,000 jobs in Ohio. Therefore, the staggering depth of the 2000s recession was much deeper than had previously been estimated by both ODJFS and the US Department of Labor. As a result, Ohio's job loss figures were far more discouraging in the downwardly revised data than they had been in reports released during prior months of 2009. The 2016 revision was also very large, with Ohio experiencing a downward revision of 138,100 jobs, with downward revisions exceeding 30,000 for both June and July 2016.

**MONTHLY REVISIONS TO CURRENT EMPLOYMENT STATISTICS  
MARCH 2010  
OHIO AND UNITED STATES  
NUMBER OF JOBS IN THOUSANDS, PRELIMINARY AND REVISED  
SOURCE: Bureau of Labor Statistics, George Zeller**

MONTH	OHIO			USA		
	PRELIM	REVISED	SIZE OF REVISION	PRELIMINARY	REV	SIZE OF REV
MAR 08	5315.7	5325.7	10	136944	136944	0
APR 08	5387.4	5384.6	-2.8	137543	137475	-68
MAY 08	5438.1	5435.2	-2.9	138190	138045	-145
JUN 08	5431.8	5428.4	-3.4	138461	138237	-224
JUL 08	5376.8	5368.7	-8.1	137050	136751	-299
AUG 08	5380.2	5372.4	-7.8	137002	136635	-367
SEP 08	5377.9	5376.2	-1.7	137119	136686	-433
OCT 08	5387	5370.7	-16.3	137492	136973	-519
NOV 08	5355.6	5341.3	-14.3	136882	136288	-594
DEC 08	5312.7	5303.2	-9.5	135917	135254	-663
JAN 09	5098.4	5099.9	1.5	132302	131555	-747
FEB 09	5098.2	5084.7	-13.5	132138	131314	-824
MAR 09	5104.7	5078.5	-26.2	132077	131175	-902
APR 09	5125.9	5095.3	-30.6	132336	131389	-947
MAY 09	5169.5	5119.5	-50	132720	131689	-1031
JUN 09	5161.3	5092.4	-68.9	132625	131525	-1100
JUL 09	5130.7	5037.8	-92.9	131127	129971	-1156
AUG 09	5113.8	5034.8	-79	131046	129871	-1175
SEP 09	5128.7	5053.5	-75.2	131435	130243	-1192
OCT 09	5149	5071.6	-77.4	132113	130889	-1224
NOV 09	5154.2	5069.6	-84.6	132227	130969	-1258
DEC 09	5124.9	5045.4	-79.5	131821	130488	-1333

**2010 Benchmark Revision**

The 2010 benchmark revision of Ohio's monthly current employment statistics estimates to the Quarterly Census of Employment and Earnings complete count of jobs was made in the January 2011 estimates, but was released on a monthly basis a couple of months later. This revision was unlike all prior revisions, since it was announced by the US Bureau of Labor Statistics that it was to be supplemented by additional revisions on a quarterly basis later in 2011 and 2012. The actual monthly

revisions were largely upward, particularly toward the end of 2011, contrary to advance predictions in this report. The actual monthly revisions were:

**2009-2010 Benchmark Revision  
Current Employment Statistics  
Revision Based on Comparison to QCEW  
Thousands of Jobs**

<u>MONTH</u>	REVISED <u>OHIO</u> <u>JOBS</u>
April, 2009	-1.5
May, 2009	-0.5
June, 2009	-0.7
July, 2009	-1.1
August, 2009	-1.0
September, 2009	0.3
October, 2009	-4.8
November, 2009	-6.3
December, 2009	5.2
January, 2010	7.7
February, 2010	3.9
March, 2010	0.1
April, 2010	3.5
May, 2010	-2.5
June, 2010	-10.3
July, 2010	-2.3
August, 2010	9.9
September, 2010	20.0
October, 2010	23.7
November, 2010	24.0
December, 2010	29.0

Source: US Department of Labor, ODJFS, and George Zeller

Unfortunately, it is certain that these small revisions were not final revisions. A comparison of the revisions to already released data from the complete count of jobs in the Quarterly Census of Employment and Wages showed very substantial remaining discrepancies between the benchmark revision to CES and the actual number of jobs in Ohio.

Thus, a new procedure for doing the benchmark revision on a quarterly basis instead of on an annual basis created substantial uncertainty in the interpretation of the 2009, 2010 and 2011 monthly employment estimates for Ohio in the Current Employment Statistics.. **The new quarterly revision procedure was announced by the US Bureau of Labor Statistics, but unfortunately none of the scheduled quarterly downward revisions were made by the US Bureau of Labor Statistics during any 2011, 2012, or 2013 quarter.**

## The 2011 Benchmark Revision to Current Employment Statistics

When the January 2012 Current Employment Statistics data were released, the annual January benchmark revisions to prior months were also released. As had been predicted in numerous monthly Economic Indicators reports, that downward revision was very large, but it took a very unexpected form.

### Downward Revisions to Ohio Job Estimates 2006-2011

#### Not Seasonally Adjusted and Seasonally Adjusted

#### Size of Annual Benchmark Revisions

Source: ODJFS, US Bureau of Labor Statistics, and George Zeller

YEAR	NOT SEASONALLY ADJUSTED	SEASONALLY ADJUSTED	TOTAL REVISION
2006	0	-100	-100
2007	0	-4,300	-4,300
2008	0	-6,200	-6,200
2009	0	0	0
2010	49,100	156,900	206,000
2011	-169,000	7,500	-161,500
<b>TOTAL</b>	<b>-119,900</b>	<b>153,800</b>	<b>33,900</b>

The Current Employment Statistics data for Ohio in 2011 were revised downward by a very large figure of -169,000 jobs. Previously released monthly 2011 Ohio job estimates were obviously overestimates by a very large amount. The culprit in this massive overestimate of Ohio employment in 2011 was the failed “birth-death” model of firms at the US Bureau of Labor Statistics. **Both BLS and ODJFS had previously added 169,000 jobs to the Ohio employment estimates that did not exist.** Those fictitious jobs have now been removed from the downwardly revised estimates.

At the same time, the extent of the overestimates was buffered by very large revisions simultaneously implemented in the seasonal adjustment models used in the Current Employment Statistics by the US Bureau of Labor Statistics and ODJFS.

## The 2013 Benchmark Revision

All of the tables in this month’s report incorporate the annual benchmark revision to the Current Employment Statistics data that were released when the January and February 2014 data were released by ODJFS and the US Bureau of Labor Statistics. These revisions were made to a large majority of prior months going all the way back to April 2006. The revisions solved the problem that the monthly job estimates had previously been underestimating the damage to Ohio workers from the very deep

2007-2009 “Great Recession.” The data this month are revised by this annual procedure, and are thus considerably more accurate than data released during prior 2012 and 2013 months. The full set of revisions was released on March 17, 2014 by the Bureau of Labor Statistics.

### **The 2014 Benchmark Revision**

The annual benchmark revision of the Ohio and USA job figures were made as usual when the January 2014 data were released, with numerous prior months revised by the routine comparison between the monthly Current Employment Statistics survey data of employers and the Quarterly Census of Employment and Wages complete count of jobs. Unfortunately, the specifics of the revision were not released for states such as Ohio until March 17.

The 2014 benchmark revision was unusual. The revisions tended to be smaller than they had been in 2011, 2012, and 2013, but they covered a much longer period of time than the revisions covered during prior years. The USA data were revised during numerous months going all the way back to May 1979, an unprecedented lengthy time period for revisions that went back 24 years. The Ohio data were revised during numerous months beginning in May 1979.

The size of most of the revisions was small. The average monthly revision in Ohio during 2013 was an upward revision of 57,000 jobs. In the USA, a simultaneous upward revision averaging 57,400 jobs was made to previously released 2013 data. With similar revisions taking place in Ohio and in the USA, the comparison between Ohio and the rest of the USA was generally not impacted very much by the revisions.

A full monthly analysis of these revisions is available upon request, but is too lengthy to print in this report.

Following this annual revision, the Current Employment Statistics historical series is more accurate this month than it was in 2014, as a result of the intentional revision that is made annually for that purpose. But, even following the revisions, there remain some noteworthy discrepancies between the trend in the QCEW complete count of jobs and the monthly CES survey of employers.

**The largest remaining discrepancies continue to be in 2009 and 2010, where CES still overestimates Ohio job totals by tens of thousands of jobs during the first half of 2010 and by over 89,200 jobs during the fourth quarter of 2009. Clearly the 2014 benchmark revision did not revise CES job estimates in Ohio sufficiently to accurately measure the impact of the 2007 “Great Recession” in Ohio. Therefore the CES still substantially underestimates the impact of the 2007 “Great Recession,” which was catastrophically damaging in Ohio.**

More recently in 2012, 2013, and 2014 Ohio job totals are now fairly accurately estimated. The first quarter of 2012 is currently still overestimated by nearly 50,000 jobs, while the second quarter of 2013 is currently overestimated by about 20,600 jobs. Conversely, Ohio employment during the fourth quarter of 2012 and 2013 is currently underestimated in CES by almost 50,000 jobs.

The seasonally adjusted data series generally had larger revisions than the not seasonally adjusted data series. The difficulty in devising accurate seasonal adjustments has increased in recent years as the

industrial structure of Ohio has changed and as unusual weather events have become more common in various seasons of the year. Thus, it is always important to use year over year not seasonally adjusted data to get accurate measures of employment trends that are not distorted by changes over time in the accuracy of the seasonally adjustment models for states.

### **The 2015 Benchmark Revision**

The annual comparison of the monthly Current Employment Statistics data and the Quarterly Census of Employment and Wages complete count of jobs was made in Ohio on March 6, 2015 when the February 2015 CES data for Ohio were released. All months except June 2014 were revised upward, with all other 2014 months revised upward by at least 15,000 jobs. It is clear that this upward revision was excessive. The revisions now measure Ohio job growth in CES as a higher level of growth than is evident in known Quarterly Census of Employment and Wages data from the complete count of jobs during all quarters between the second quarter of 2012 and the third quarter of 2013. Further, the newly rebenchmarked data for both the first quarter and second quarter of 2014 are both overestimated in CES by more than 10,000 jobs. The current overestimates between the second quarter of 2011 and the second quarter of 2014 average 28,300 per quarter. Further, a carryover overestimate of Ohio employment in CES during the fourth quarter of 2009 was not remedied by the 2015 benchmark revision. Thus, Ohio job losses during the latter phase of the 2007 “Great Recession are still underestimated even following annual benchmark revision to the 2009 data during benchmark revisions in 2010, 2011, 2012, 2013, 2014, and 2015.

As a result, the Current Employment Statistics data remain somewhat too optimistic in Ohio, even following the 2015 benchmark revision. The average quarterly overestimate of Ohio jobs in CES currently averages 28,000 per quarter. The second quarter of 2012 in Ohio has the largest overestimate of Ohio jobs, with that overestimate currently 70,781 jobs.

### **The 2016 Benchmark Revision**

Very substantial revisions to the Current Employment Statistics series were released by BLS and ODJFS on March 14, 2016. Unfortunately, even as of the release of the February 2016 CES data for Ohio on March 18, 2016, the full data series of revisions was not been completely released by the US Bureau of Labor Statistics for several additional weeks. This unfortunate situation limits the ability to measure the impact of the 2016 benchmark revision. That issue prevents a current full analysis of the degree to which the benchmark revisions have improved former CES monthly estimates.

A preliminary table of the 2016 revisions is all that is currently available. This table likely will be further revised when BLS releases the full set of 2016 benchmark revisions for states.

**Revisions to Ohio CES Data**  
**1000's of Jobs 2000-2015**  
**Not Seasonally Adjusted Annual Benchmark Revision**

Revised March 4, 2016

Also Showing Annual Seasonally Adjusted Revision

<u>YEAR</u>	<u>SIZE OF REVISION</u>	<u>SEAS ADJ REVISION</u>
2000	3.6	
2001	1.8	
2002	12.8	
2003	-0.9	
2004	-2.2	
2005	2.1	
2006	7.3	0.0
2007	0.6	0.0
2008	-1.5	0.0
2009	262.4	0.0
2010	-956.0	0.0
2011	32.5	-0.9
2012	41.5	0.8
2013	44.2	0.0
2014	160.3	15.8
2015	209.5	-5.2

Source: US Department of Labor, ODJFS, and George Zeller

**The 2017 Benchmark Revision**

The 2017 benchmark revision was released by BLS and ODJFS on March 3, 2017. This revision was unusually negative in the Ohio data. Both June and July 2016 were revised downward by more than 30,000 jobs. All other 2016 months were revised downward except for February. The total downward revision for 2016 in Ohio was a very large 138,100 jobs. This downward revision completely eliminated a brief positive trend in the Ohio job data during the early summer of 2016. It extended a sub-par job growth streak in Ohio to 49 consecutive months through December 2016. Ohio's job growth has been slower than the United States national average for every month since December 2012 following these large downward revisions.

**Ohio 2016 Benchmark Revision  
Not Seasonally Adjusted Jobs  
(1,000s)**

**Source: ODJFS and George Zeller**

<b>MONTH</b>	<b>REVISION</b>
January 2016	6.2
February 2016	0.1
March 2016	-8.9
April 2016	8.2
May 2016	-13.7
June 2016	-38.3
July 2016	-30.7
August 2016	-15.0
September 2016	-12.0
October 2016	-8.6
November 2016	-10.8
December 2016	-14.6
2016 TOTAL	-138.1
2015	-27.8
2014	0.4
2013	0.2
2012	0.1

A continuing overestimate problem in Ohio unfortunately will continue to impact comparisons of Ohio to the United States until March 2018 when the next annual rebenchmarking is done to Ohio's monthly Current Employment Statistics measures of Ohio total employment are released.

The April 2016 preliminary estimates find that Ohio's year over year job growth rate is currently a still too slow and slowing 0.60% rate, while the same national job growth rate in the United States is currently also a slowing 1.51% that exceeds the Ohio growth rate in April 2017. The sub-par job growth performance in the state of Ohio has been both an acute and chronic problem in the state, as job growth failed to provide sufficient employment and earnings for all Ohio residents. So, the April 2017 extension of a negative sub-par job growth streak in Ohio to fifty-three consecutive months is highly discouraging and once again alarming.

This has been true during both recessions and recoveries. During recoveries Ohio's employment growth has been weaker than simultaneous growth in the rest of the United States. During recessions, Ohio has lost jobs more rapidly than the rest of the nation has lost jobs. This continuously weak job growth continues to be a direct cause of Ohio's weak population growth. The situation certainly has been among the most urgent unsolved problems that has confronted the state of Ohio. The end of the long 171 consecutive month streak in July 2010 was a wonderful development. But, the restoration and



extension of the 53 month sub-par job growth streak in Ohio as a result of the major 2015 and 2016 benchmark revisions to the Current Employment Statistics estimates remains an urgent problem in Ohio.

The newly released April 2017 employment estimate for Ohio measures a too slow rate of current annual job increases in Ohio, measuring a still too slow rate of employment growth in the state caused by an increase of 60,700 Ohio jobs during 2015, a much slower gain of only 49,700 jobs during 2016, and a slow increase of only 9,100 jobs during the first four months of 2017.

### **The September 2015 Correction**

In a very unusual situation, the US Bureau of Labor Statistics released a “correction” (not a “revision”) to numerous prior months in the seasonally adjusted estimates of Ohio employment in the Current Employment statistics during September 2015. The “corrections” were entirely concentrated in the seasonally adjusted data, with not seasonally adjusted data experiencing no “corrections.”

The seasonally adjusted data had been substantially overestimating Ohio’s job totals during the winter months of January, February, and March in both 2014 and 2015.

The newly corrected data are incorporated in this report.

### **Correction to Seasonally Adjusted CES, 1000s OF JOBS September 2015**

**Source: US Bureau of Labor Statistics and George Zeller**

<b>MONTH</b>	<b>CORREC TION</b>
JAN 2014	-116.8
FEB 2014	-98.8
MAR 2014	-70.6
APR 2014	-3.3
OCT 2014	51.1
NOV 2014	42.5
DEC 2014	19.8
JAN 2015	-120.5
FEB 2015	-98.6
MAR 2015	-68.3
APR 2015	-6.9

In another highly unusual move, prior to the official release of the September 2015 Ohio job data, BLS made additional small downward corrections to the seasonally adjusted Ohio job data for all months between October 2014 and April 2015, further lowering the previously released data during the winter. The BLS seasonal adjustment model clearly has been problematic lately.

The volatile and often unreliable seasonally adjusted Ohio unemployment rate estimate declined slightly this month from 5.1% in April 2017 to 5.0% in March 2016, caused by an estimated gain in February of 26,000 employed workers and a simultaneous loss of 5,000 unemployed Ohio workers. The US Bureau of Labor Statistics does not have a sufficiently large budget to sample any of the 50 USA states as it produces state level unemployment estimates. That problem exists in Ohio, as it does in all other states. **The April data measure a six consecutive month streak when the Ohio unemployment rate has been above the USA national average. The slowly improving unemployment estimate is also associated with an increase of 21,000 workers in the Ohio labor force during April.** The net improvement of 31,000 Ohio employed workers in the March 2017 unemployment estimate is obviously not possible during a month when Ohio actually lost 5,700 jobs.

Overall, the main positive development in the new April 2017 Ohio job estimates is that the state has definitely started and now extended a slow recovery from both the very lengthy 2000s Ohio labor market recession and the more recent “Great Recession.. February 2017 Ohio job growth and the large 2016 downward benchmark revision find that Ohio has still not fully recovered all of the jobs lost in the state since the nationally mild 2000s recession. But, that news is reinforced by the extensive annual revisions in the 2000-2016 benchmarks in the Current Employment Statistics and also the extension of Ohio’s new sub-par streak of job growth below the USA national average to fifty-three consecutive months between November 2012 and April 2016. The newly measured speed of Ohio employment recovery in April 2017 stalled, and has remained at a level below USA norms. Thus, 123,400 Ohio workers still cannot find a job though no fault of their own because Ohio’s current rate of recovery is too slow to provide sufficient employment for the state’s 123,400 unrecovered lost jobs since 2000.

It is known from the Quarterly Census of Employment and Wages that by far the largest drag on the Ohio labor market of any industry has been Local Government. Even as Ohio gained 59,330 jobs between the fourth quarter of 2010 and the fourth quarter of 2011, Ohio simultaneously lost -18,616 jobs in Local Government during 2011. Between the third quarter of 2013 and the third quarter of 2014, Ohio actually lost 44 jobs, led by a newly emerging loss of 1,283 jobs in Finance and Insurance and also a continuing loss of 212 Federal Government jobs. This counterproductive policy continued to slow down the 2016 Ohio employment growth rate during all months of 2016. The findings during the first four months of 2017 have continued this highly damaging trend.

The loss of 1,900 Government jobs in Ohio during April 2017, concentrated in a loss of 2,600 State Government jobs continued these prior Austerity policies that have been the main cause of Ohio’s current streak of 53 consecutive months with Ohio’s job growth rate below the USA national average.

### **Acknowledgment**

George Zeller thanks the Cuyahoga County Board of Commissioners for their important financial support that made this report possible.

### **Table with the Full Historical Data Series 1939-2017**

**Ohio vs. USA Total Employment Growth**  
**1000's of Jobs 1939-2017**  
**Not Seasonally Adjusted, Showing Job Growth during Last 12 Months**

<u>MONTH</u>	<u>OHIO</u> <u>JOBS</u>	<u>REST OF</u> <u>USA</u>	<u>USA</u> <u>JOBS</u>	<u>%</u> <u>INCR</u> <u>OHIO</u> <u>JOBS</u>	<u>%</u> <u>INCR</u> <u>REST OF</u> <u>USA</u>	<u>%</u> <u>INCR</u> <u>USA</u> <u>JOBS</u>	<u>*</u> <u>IF</u> <u>OHIO &gt;</u> <u>USA</u>
January, 1939	1,693.2	27,603	29,296				
February, 1939	1,697.7	27,696	29,394				
March, 1939	1,720.7	28,083	29,804				
April, 1939	1,722.2	28,064	29,786				
May, 1939	1,743.8	28,401	30,145				
June, 1939	1,765.5	28,755	30,520				
July, 1939	1,760.8	28,711	30,472				
August, 1939	1,787.4	29,083	30,870				
September, 1939	1,842.4	29,766	31,608				
October, 1939	1,881.1	30,094	31,975				
November, 1939	1,888.3	29,949	31,837				
December, 1939	1,903.0	30,134	32,037				
January, 1940	1,837.5	29,129	30,966	8.5%	5.5%	5.7%	*
February, 1940	1,831.8	29,163	30,995	7.9%	5.3%	5.4%	*
March, 1940	1,840.3	29,488	31,328	7.0%	5.0%	5.1%	*
April, 1940	1,835.4	29,562	31,397	6.6%	5.3%	5.4%	*
May, 1940	1,858.5	29,880	31,738	6.6%	5.2%	5.3%	*
June, 1940	1,884.7	30,131	32,016	6.8%	4.8%	4.9%	*
July, 1940	1,884.1	30,135	32,019	7.0%	5.0%	5.1%	*
August, 1940	1,915.1	30,671	32,586	7.1%	5.5%	5.6%	*
September, 1940	1,964.5	31,415	33,379	6.6%	5.5%	5.6%	*
October, 1940	1,988.6	31,817	33,806	5.7%	5.7%	5.7%	
November, 1940	2,000.6	31,999	34,000	5.9%	6.8%	6.8%	
December, 1940	2,037.9	32,615	34,653	7.1%	8.2%	8.2%	
January, 1941	2,004.4	31,829	33,833	9.1%	9.3%	9.3%	
February, 1941	2,032.1	32,087	34,119	10.9%	10.0%	10.1%	*
March, 1941	2,079.2	32,513	34,592	13.0%	10.3%	10.4%	*
April, 1941	2,131.9	33,065	35,197	16.2%	11.9%	12.1%	*
May, 1941	2,182.9	33,879	36,062	17.5%	13.4%	13.6%	*
June, 1941	2,232.4	34,504	36,736	18.4%	14.5%	14.7%	*
July, 1941	2,254.9	35,007	37,262	19.7%	16.2%	16.4%	*
August, 1941	2,276.4	35,523	37,799	18.9%	15.8%	16.0%	*
September, 1941	2,304.3	36,050	38,354	17.3%	14.8%	14.9%	*
October, 1941	2,303.2	36,104	38,407	15.8%	13.5%	13.6%	*
November, 1941	2,299.8	35,993	38,293	15.0%	12.5%	12.6%	*
December, 1941	2,313.9	36,234	38,548	13.5%	11.1%	11.2%	*
January, 1942	2,262.9	35,443	37,706	12.9%	11.4%	11.4%	*
February, 1942	2,262.3	35,571	37,833	11.3%	10.9%	10.9%	*
March, 1942	2,303.6	36,184	38,488	10.8%	11.3%	11.3%	
April, 1942	2,341.7	36,796	39,138	9.8%	11.3%	11.2%	
May, 1942	2,373.2	37,313	39,686	8.7%	10.1%	10.0%	
June, 1942	2,418.6	37,753	40,172	8.3%	9.4%	9.4%	
July, 1942	2,430.6	38,194	40,625	7.8%	9.1%	9.0%	

<u>MONTH</u>	<u>OHIO</u> <u>JOBS</u>	<u>REST OF</u> <u>USA</u>	<u>USA</u> <u>JOBS</u>	<u>%</u> <u>INCR</u> <u>OHIO</u> <u>JOBS</u>	<u>%</u> <u>INCR</u> <u>REST OF</u> <u>USA</u>	<u>%</u> <u>INCR</u> <u>USA</u> <u>JOBS</u>	<u>*</u> <u>IF</u> <u>OHIO &gt;</u> <u>USA</u>
August, 1942	2,454.0	38,772	41,226	7.8%	9.1%	9.1%	
September, 1942	2,487.2	39,176	41,663	7.9%	8.7%	8.6%	
October, 1942	2,514.4	39,318	41,832	9.2%	8.9%	8.9%	*
November, 1942	2,524.5	39,339	41,863	9.8%	9.3%	9.3%	*
December, 1942	2,563.1	39,759	42,322	10.8%	9.7%	9.8%	*
January, 1943	2,535.5	39,043	41,578	12.0%	10.2%	10.3%	*
February, 1943	2,543.3	39,267	41,810	12.4%	10.4%	10.5%	*
March, 1943	2,572.1	39,644	42,216	11.7%	9.6%	9.7%	*
April, 1943	2,597.8	39,909	42,507	10.9%	8.5%	8.6%	*
May, 1943	2,609.8	39,932	42,542	10.0%	7.0%	7.2%	*
June, 1943	2,637.3	40,337	42,974	9.0%	6.8%	7.0%	*
July, 1943	2,649.9	40,218	42,868	9.0%	5.3%	5.5%	*
August, 1943	2,642.2	40,078	42,720	7.7%	3.4%	3.6%	*
September, 1943	2,638.0	40,115	42,753	6.1%	2.4%	2.6%	*
October, 1943	2,634.1	40,193	42,827	4.8%	2.2%	2.4%	*
November, 1943	2,622.8	40,322	42,945	3.9%	2.5%	2.6%	*
December, 1943	2,601.2	40,552	43,153	1.5%	2.0%	2.0%	
January, 1944	2,570.8	39,564	42,135	1.4%	1.3%	1.3%	*
February, 1944	2,571.4	39,504	42,075	1.1%	0.6%	0.6%	*
March, 1944	2,566.3	39,510	42,076	-0.2%	-0.3%	-0.3%	*
April, 1944	2,566.2	39,417	41,983	-1.2%	-1.2%	-1.2%	*
May, 1944	2,564.7	39,386	41,951	-1.7%	-1.4%	-1.4%	
June, 1944	2,579.8	39,555	42,135	-2.2%	-1.9%	-2.0%	
July, 1944	2,583.2	39,440	42,023	-2.5%	-1.9%	-2.0%	
August, 1944	2,572.1	39,391	41,963	-2.7%	-1.7%	-1.8%	
September, 1944	2,563.2	39,292	41,855	-2.8%	-2.1%	-2.1%	
October, 1944	2,537.7	39,220	41,758	-3.7%	-2.4%	-2.5%	
November, 1944	2,516.5	39,284	41,800	-4.1%	-2.6%	-2.7%	
December, 1944	2,503.7	39,816	42,320	-3.7%	-1.8%	-1.9%	
January, 1945	2,465.3	38,979	41,444	-4.1%	-1.5%	-1.6%	
February, 1945	2,479.4	39,037	41,516	-3.6%	-1.2%	-1.3%	
March, 1945	2,494.3	39,159	41,653	-2.8%	-0.9%	-1.0%	
April, 1945	2,490.2	38,903	41,393	-3.0%	-1.3%	-1.4%	
May, 1945	2,485.4	38,764	41,249	-3.1%	-1.6%	-1.7%	
June, 1945	2,496.0	38,780	41,276	-3.2%	-2.0%	-2.0%	
July, 1945	2,472.9	38,436	40,909	-4.3%	-2.5%	-2.7%	
August, 1945	2,439.8	38,104	40,544	-5.1%	-3.3%	-3.4%	
September, 1945	2,261.7	36,418	38,680	-11.8%	-7.3%	-7.6%	
October, 1945	2,273.6	36,385	38,659	-10.4%	-7.2%	-7.4%	
November, 1945	2,302.8	36,807	39,110	-8.5%	-6.3%	-6.4%	
December, 1945	2,353.7	37,338	39,692	-6.0%	-6.2%	-6.2%	*
January, 1946	2,372.1	37,041	39,413	-3.8%	-5.0%	-4.9%	*
February, 1946	2,252.6	36,612	38,865	-9.1%	-6.2%	-6.4%	
March, 1946	2,401.6	37,631	40,033	-3.7%	-3.9%	-3.9%	*
April, 1946	2,475.6	38,340	40,816	-0.6%	-1.4%	-1.4%	*
May, 1946	2,504.6	38,706	41,211	0.8%	-0.1%	-0.1%	*
June, 1946	2,540.1	39,223	41,763	1.8%	1.1%	1.2%	*

<u>MONTH</u>	<u>OHIO JOBS</u>	<u>REST OF USA</u>	<u>USA JOBS</u>	<u>% INCR OHIO JOBS</u>	<u>% INCR REST OF USA</u>	<u>% INCR USA JOBS</u>	<u>* IF OHIO &gt; USA</u>
July, 1946	2,564.5	39,518	42,082	3.7%	2.8%	2.9%	*
August, 1946	2,614.7	40,109	42,724	7.2%	5.3%	5.4%	*
September, 1946	2,657.6	40,518	43,176	17.5%	11.3%	11.6%	*
October, 1946	2,660.4	40,615	43,275	17.0%	11.6%	11.9%	*
November, 1946	2,668.5	40,944	43,612	15.9%	11.2%	11.5%	*
December, 1946	2,672.9	41,467	44,140	13.6%	11.1%	11.2%	*
January, 1947	2,626.8	40,481	43,108	10.7%	9.3%	9.4%	*
February, 1947	2,630.9	40,469	43,100	16.8%	10.5%	10.9%	*
March, 1947	2,663.8	40,685	43,349	10.9%	8.1%	8.3%	*
April, 1947	2,678.1	40,631	43,309	8.2%	6.0%	6.1%	*
May, 1947	2,690.0	40,702	43,392	7.4%	5.2%	5.3%	*
June, 1947	2,729.6	41,034	43,764	7.5%	4.6%	4.8%	*
July, 1947	2,719.9	40,884	43,604	6.1%	3.5%	3.6%	*
August, 1947	2,735.2	41,331	44,066	4.6%	3.0%	3.1%	*
September, 1947	2,755.5	41,836	44,591	3.7%	3.3%	3.3%	*
October, 1947	2,751.5	41,990	44,741	3.4%	3.4%	3.4%	*
November, 1947	2,753.4	42,054	44,807	3.2%	2.7%	2.7%	*
December, 1947	2,765.4	42,749	45,514	3.5%	3.1%	3.1%	*
January, 1948	2,718.7	41,505	44,224	3.5%	2.5%	2.6%	*
February, 1948	2,709.0	41,247	43,956	3.0%	1.9%	2.0%	*
March, 1948	2,744.5	41,547	44,291	3.0%	2.1%	2.2%	*
April, 1948	2,746.9	41,335	44,082	2.6%	1.7%	1.8%	*
May, 1948	2,778.2	41,693	44,471	3.3%	2.4%	2.5%	*
June, 1948	2,801.8	42,149	44,951	2.6%	2.7%	2.7%	
July, 1948	2,802.3	42,187	44,989	3.0%	3.2%	3.2%	
August, 1948	2,816.1	42,522	45,338	3.0%	2.9%	2.9%	*
September, 1948	2,852.0	42,944	45,796	3.5%	2.6%	2.7%	*
October, 1948	2,832.5	42,861	45,693	2.9%	2.1%	2.1%	*
November, 1948	2,818.7	42,769	45,588	2.4%	1.7%	1.7%	*
December, 1948	2,805.4	43,269	46,074	1.4%	1.2%	1.2%	*
January, 1949	2,717.5	41,442	44,159	0.0%	-0.2%	-0.1%	*
February, 1949	2,691.9	41,129	43,821	-0.6%	-0.3%	-0.3%	
March, 1949	2,674.4	41,073	43,747	-2.6%	-1.1%	-1.2%	
April, 1949	2,694.5	41,187	43,881	-1.9%	-0.4%	-0.5%	
May, 1949	2,673.2	40,963	43,636	-3.8%	-1.8%	-1.9%	
June, 1949	2,660.4	41,008	43,668	-5.0%	-2.7%	-2.9%	
July, 1949	2,633.0	40,719	43,352	-6.0%	-3.5%	-3.6%	
August, 1949	2,649.3	41,174	43,823	-5.9%	-3.2%	-3.3%	
September, 1949	2,667.2	41,668	44,335	-6.5%	-3.0%	-3.2%	
October, 1949	2,559.2	40,888	43,447	-9.6%	-4.6%	-4.9%	
November, 1949	2,594.1	41,059	43,653	-8.0%	-4.0%	-4.2%	
December, 1949	2,644.2	41,952	44,596	-5.7%	-3.0%	-3.2%	
January, 1950	2,581.4	40,395	42,976	-5.0%	-2.5%	-2.7%	
February, 1950	2,577.0	39,996	42,573	-4.3%	-2.8%	-2.8%	
March, 1950	2,613.8	40,796	43,410	-2.3%	-0.7%	-0.8%	
April, 1950	2,679.7	41,331	44,011	-0.5%	0.4%	0.3%	
May, 1950	2,712.4	41,665	44,377	1.5%	1.7%	1.7%	

<u>MONTH</u>	<u>OHIO JOBS</u>	<u>REST OF USA</u>	<u>USA JOBS</u>	<u>% INCR OHIO JOBS</u>	<u>% INCR REST OF USA</u>	<u>% INCR USA JOBS</u>	<u>* IF OHIO &gt; USA</u>
June, 1950	2,766.5	42,278	45,044	4.0%	3.1%	3.2%	*
July, 1950	2,775.8	42,496	45,272	5.4%	4.4%	4.4%	*
August, 1950	2,833.3	43,568	46,401	6.9%	5.8%	5.9%	*
September, 1950	2,878.2	44,127	47,005	7.9%	5.9%	6.0%	*
October, 1950	2,893.6	44,345	47,239	13.1%	8.5%	8.7%	*
November, 1950	2,895.4	44,312	47,207	11.6%	7.9%	8.1%	*
December, 1950	2,912.5	45,019	47,931	10.1%	7.3%	7.5%	*
January, 1951	2,851.8	43,834	46,686	10.5%	8.5%	8.6%	*
February, 1951	2,854.9	43,978	46,833	10.8%	10.0%	10.0%	*
March, 1951	2,908.5	44,404	47,312	11.3%	8.8%	9.0%	*
April, 1951	2,926.0	44,579	47,505	9.2%	7.9%	7.9%	*
May, 1951	2,948.8	44,675	47,624	8.7%	7.2%	7.3%	*
June, 1951	2,981.6	45,077	48,059	7.8%	6.6%	6.7%	*
July, 1951	2,961.3	44,927	47,888	6.7%	5.7%	5.8%	*
August, 1951	2,989.6	45,205	48,195	5.5%	3.8%	3.9%	*
September, 1951	3,008.6	45,477	48,486	4.5%	3.1%	3.2%	*
October, 1951	2,997.7	45,552	48,550	3.6%	2.7%	2.8%	*
November, 1951	2,997.1	45,624	48,621	3.5%	3.0%	3.0%	*
December, 1951	3,014.4	46,383	49,397	3.5%	3.0%	3.1%	*
January, 1952	2,944.2	44,715	47,659	3.2%	2.0%	2.1%	*
February, 1952	2,947.6	44,817	47,765	3.2%	1.9%	2.0%	*
March, 1952	2,967.9	44,963	47,931	2.0%	1.3%	1.3%	*
April, 1952	2,991.0	45,277	48,268	2.2%	1.6%	1.6%	*
May, 1952	3,010.0	45,309	48,319	2.1%	1.4%	1.5%	*
June, 1952	2,937.8	45,367	48,305	-1.5%	0.6%	0.5%	*
July, 1952	2,886.7	45,090	47,977	-2.5%	0.4%	0.2%	*
August, 1952	3,003.6	46,073	49,077	0.5%	1.9%	1.8%	*
September, 1952	3,072.2	46,757	49,829	2.1%	2.8%	2.8%	*
October, 1952	3,087.8	47,068	50,156	3.0%	3.3%	3.3%	*
November, 1952	3,095.0	47,251	50,346	3.3%	3.6%	3.5%	*
December, 1952	3,124.5	48,150	51,274	3.7%	3.8%	3.8%	*
January, 1953	3,066.5	46,404	49,470	4.2%	3.8%	3.8%	*
February, 1953	3,077.3	46,464	49,541	4.4%	3.7%	3.7%	*
March, 1953	3,117.9	46,760	49,878	5.1%	4.0%	4.1%	*
April, 1953	3,140.3	46,931	50,071	5.0%	3.7%	3.7%	*
May, 1953	3,152.7	47,029	50,182	4.7%	3.8%	3.9%	*
June, 1953	3,188.4	47,387	50,575	8.5%	4.5%	4.7%	*
July, 1953	3,177.2	47,213	50,390	10.1%	4.7%	5.0%	*
August, 1953	3,191.4	47,440	50,631	6.3%	3.0%	3.2%	*
September, 1953	3,211.1	47,656	50,867	4.5%	1.9%	2.1%	*
October, 1953	3,188.3	47,619	50,807	3.3%	1.2%	1.3%	*
November, 1953	3,148.0	47,324	50,472	1.7%	0.2%	0.3%	*
December, 1953	3,144.7	47,688	50,833	0.6%	-1.0%	-0.9%	*
January, 1954	3,041.3	45,725	48,766	-0.8%	-1.5%	-1.4%	*
February, 1954	3,019.7	45,523	48,543	-1.9%	-2.0%	-2.0%	*
March, 1954	3,010.5	45,509	48,519	-3.4%	-2.7%	-2.7%	*
April, 1954	3,027.0	45,760	48,787	-3.6%	-2.5%	-2.6%	*

<u>MONTH</u>	<u>OHIO JOBS</u>	<u>REST OF USA</u>	<u>USA JOBS</u>	<u>% INCR OHIO JOBS</u>	<u>% INCR REST OF USA</u>	<u>% INCR USA JOBS</u>	<u>* IF OHIO &gt; USA</u>
May, 1954	3,019.1	45,660	48,679	-4.2%	-2.9%	-3.0%	
June, 1954	3,038.0	45,961	48,999	-4.7%	-3.0%	-3.1%	
July, 1954	3,005.5	45,699	48,704	-5.4%	-3.2%	-3.3%	
August, 1954	3,009.0	45,965	48,974	-5.7%	-3.1%	-3.3%	
September, 1954	3,046.8	46,344	49,391	-5.1%	-2.8%	-2.9%	
October, 1954	3,037.5	46,478	49,515	-4.7%	-2.4%	-2.5%	
November, 1954	3,037.0	46,728	49,765	-3.5%	-1.3%	-1.4%	
December, 1954	3,049.5	47,424	50,473	-3.0%	-0.6%	-0.7%	
January, 1955	2,972.8	45,791	48,764	-2.3%	0.1%	0.0%	
February, 1955	2,973.1	45,791	48,764	-1.5%	0.6%	0.5%	
March, 1955	3,021.3	46,248	49,269	0.4%	1.6%	1.5%	
April, 1955	3,084.1	46,738	49,822	1.9%	2.1%	2.1%	
May, 1955	3,121.7	47,132	50,254	3.4%	3.2%	3.2%	*
June, 1955	3,161.1	47,796	50,957	4.1%	4.0%	4.0%	*
July, 1955	3,163.4	47,705	50,868	5.3%	4.4%	4.4%	*
August, 1955	3,177.3	48,093	51,270	5.6%	4.6%	4.7%	*
September, 1955	3,217.2	48,574	51,791	5.6%	4.8%	4.9%	*
October, 1955	3,212.9	48,808	52,021	5.8%	5.0%	5.1%	*
November, 1955	3,210.1	48,983	52,193	5.7%	4.8%	4.9%	*
December, 1955	3,231.7	49,718	52,950	6.0%	4.8%	4.9%	*
January, 1956	3,149.3	48,100	51,249	5.9%	5.0%	5.1%	*
February, 1956	3,137.6	48,117	51,255	5.5%	5.1%	5.1%	*
March, 1956	3,169.1	48,362	51,531	4.9%	4.6%	4.6%	*
April, 1956	3,204.1	48,693	51,897	3.9%	4.2%	4.2%	
May, 1956	3,216.3	49,029	52,245	3.0%	4.0%	4.0%	
June, 1956	3,255.7	49,522	52,778	3.0%	3.6%	3.6%	
July, 1956	3,132.1	48,715	51,847	-1.0%	2.1%	1.9%	
August, 1956	3,237.4	49,565	52,802	1.9%	3.1%	3.0%	
September, 1956	3,276.0	49,889	53,165	1.8%	2.7%	2.7%	
October, 1956	3,289.9	50,119	53,409	2.4%	2.7%	2.7%	
November, 1956	3,281.7	50,153	53,435	2.2%	2.4%	2.4%	
December, 1956	3,287.4	50,781	54,068	1.7%	2.1%	2.1%	
January, 1957	3,192.8	48,975	52,168	1.4%	1.8%	1.8%	
February, 1957	3,191.1	48,955	52,146	1.7%	1.7%	1.7%	
March, 1957	3,210.8	49,125	52,336	1.3%	1.6%	1.6%	
April, 1957	3,226.6	49,486	52,713	0.7%	1.6%	1.6%	
May, 1957	3,252.2	49,644	52,896	1.1%	1.3%	1.2%	
June, 1957	3,269.9	50,028	53,298	0.4%	1.0%	1.0%	
July, 1957	3,241.7	49,799	53,041	3.5%	2.2%	2.3%	*
August, 1957	3,260.9	50,065	53,326	0.7%	1.0%	1.0%	
September, 1957	3,267.4	50,269	53,536	-0.3%	0.8%	0.7%	
October, 1957	3,250.4	50,162	53,412	-1.2%	0.1%	0.0%	
November, 1957	3,212.8	49,948	53,161	-2.1%	-0.4%	-0.5%	
December, 1957	3,190.3	50,289	53,479	-3.0%	-1.0%	-1.1%	
January, 1958	3,059.8	48,293	51,353	-4.2%	-1.4%	-1.6%	
February, 1958	2,992.7	47,595	50,588	-6.2%	-2.8%	-3.0%	
March, 1958	2,971.4	47,447	50,418	-7.5%	-3.4%	-3.7%	

<u>MONTH</u>	<u>OHIO JOBS</u>	<u>REST OF USA</u>	<u>USA JOBS</u>	<u>% INCR OHIO JOBS</u>	<u>% INCR REST OF USA</u>	<u>% INCR USA JOBS</u>	<u>* IF OHIO &gt; USA</u>
April, 1958	2,969.9	47,507	50,477	-8.0%	-4.0%	-4.2%	
May, 1958	2,964.5	47,739	50,703	-8.8%	-3.8%	-4.1%	
June, 1958	2,986.9	48,210	51,197	-8.7%	-3.6%	-3.9%	
July, 1958	2,976.3	48,037	51,013	-8.2%	-3.5%	-3.8%	
August, 1958	2,986.2	48,484	51,470	-8.4%	-3.2%	-3.5%	
September, 1958	3,049.8	49,091	52,141	-6.7%	-2.3%	-2.6%	
October, 1958	3,020.1	49,114	52,134	-7.1%	-2.1%	-2.4%	
November, 1958	3,056.9	49,454	52,511	-4.9%	-1.0%	-1.2%	
December, 1958	3,051.5	50,052	53,103	-4.4%	-0.5%	-0.7%	
January, 1959	2,992.6	48,728	51,721	-2.2%	0.9%	0.7%	
February, 1959	3,008.0	48,634	51,642	0.5%	2.2%	2.1%	
March, 1959	3,047.9	49,039	52,087	2.6%	3.4%	3.3%	
April, 1959	3,108.4	49,666	52,774	4.7%	4.5%	4.6%	*
May, 1959	3,136.1	50,248	53,384	5.8%	5.3%	5.3%	*
June, 1959	3,186.3	50,852	54,038	6.7%	5.5%	5.5%	*
July, 1959	3,175.3	50,668	53,843	6.7%	5.5%	5.5%	*
August, 1959	3,099.8	50,536	53,636	3.8%	4.2%	4.2%	
September, 1959	3,139.3	50,943	54,082	2.9%	3.8%	3.7%	
October, 1959	3,114.2	50,877	53,991	3.1%	3.6%	3.6%	
November, 1959	3,150.1	51,018	54,168	3.0%	3.2%	3.2%	
December, 1959	3,192.1	51,932	55,124	4.6%	3.8%	3.8%	*
January, 1960	3,128.1	50,320	53,448	4.5%	3.3%	3.3%	*
February, 1960	3,127.3	50,295	53,422	4.0%	3.4%	3.4%	*
March, 1960	3,117.1	50,377	53,494	2.3%	2.7%	2.7%	
April, 1960	3,175.3	51,110	54,285	2.2%	2.9%	2.9%	
May, 1960	3,185.2	51,164	54,349	1.6%	1.8%	1.8%	
June, 1960	3,204.4	51,564	54,768	0.6%	1.4%	1.4%	
July, 1960	3,161.3	51,251	54,412	-0.4%	1.2%	1.1%	
August, 1960	3,144.7	51,465	54,610	1.4%	1.8%	1.8%	
September, 1960	3,175.6	51,730	54,906	1.2%	1.5%	1.5%	
October, 1960	3,146.7	51,632	54,779	1.0%	1.5%	1.5%	
November, 1960	3,112.9	51,365	54,478	-1.2%	0.7%	0.6%	
December, 1960	3,088.6	51,512	54,601	-3.2%	-0.8%	-0.9%	
January, 1961	2,971.2	49,809	52,780	-5.0%	-1.0%	-1.2%	
February, 1961	2,946.2	49,468	52,414	-5.8%	-1.6%	-1.9%	
March, 1961	2,960.4	49,734	52,694	-5.0%	-1.3%	-1.5%	
April, 1961	2,990.6	50,144	53,135	-5.8%	-1.9%	-2.1%	
May, 1961	3,038.7	50,651	53,690	-4.6%	-1.0%	-1.2%	
June, 1961	3,086.8	51,368	54,455	-3.7%	-0.4%	-0.6%	
July, 1961	3,068.7	51,219	54,288	-2.9%	-0.1%	-0.2%	
August, 1961	3,075.0	51,587	54,662	-2.2%	0.2%	0.1%	
September, 1961	3,113.7	51,960	55,074	-1.9%	0.4%	0.3%	
October, 1961	3,085.2	52,075	55,160	-2.0%	0.9%	0.7%	
November, 1961	3,097.8	52,145	55,243	-0.5%	1.5%	1.4%	
December, 1961	3,097.6	52,567	55,665	0.3%	2.0%	1.9%	
January, 1962	3,009.7	50,912	53,922	1.3%	2.2%	2.2%	
February, 1962	3,008.9	51,013	54,022	2.1%	3.1%	3.1%	



<u>MONTH</u>	<u>OHIO</u> <u>JOBS</u>	<u>REST OF</u> <u>USA</u>	<u>USA</u> <u>JOBS</u>	<u>%</u> <u>INCR</u> <u>OHIO</u> <u>JOBS</u>	<u>%</u> <u>INCR</u> <u>REST OF</u> <u>USA</u>	<u>%</u> <u>INCR</u> <u>USA</u> <u>JOBS</u>	<u>*</u> <u>IF</u> <u>OHIO &gt;</u> <u>USA</u>
March, 1962	3,032.4	51,265	54,297	2.4%	3.1%	3.0%	
April, 1962	3,088.7	52,050	55,139	3.3%	3.8%	3.8%	
May, 1962	3,121.2	52,438	55,559	2.7%	3.5%	3.5%	
June, 1962	3,146.9	53,010	56,157	1.9%	3.2%	3.1%	
July, 1962	3,115.3	52,831	55,946	1.5%	3.1%	3.1%	
August, 1962	3,117.7	53,075	56,193	1.4%	2.9%	2.8%	
September, 1962	3,155.7	53,511	56,667	1.3%	3.0%	2.9%	
October, 1962	3,138.9	53,549	56,688	1.7%	2.8%	2.8%	
November, 1962	3,132.9	53,407	56,540	1.1%	2.4%	2.3%	
December, 1962	3,122.1	53,653	56,775	0.8%	2.1%	2.0%	
January, 1963	3,043.9	52,064	55,108	1.1%	2.3%	2.2%	
February, 1963	3,030.7	52,023	55,054	0.7%	2.0%	1.9%	
March, 1963	3,056.5	52,300	55,356	0.8%	2.0%	2.0%	
April, 1963	3,128.7	53,023	56,152	1.3%	1.9%	1.8%	
May, 1963	3,163.2	53,409	56,572	1.3%	1.9%	1.8%	
June, 1963	3,198.8	54,007	57,206	1.6%	1.9%	1.9%	
July, 1963	3,167.2	53,846	57,013	1.7%	1.9%	1.9%	
August, 1963	3,160.8	54,071	57,232	1.4%	1.9%	1.8%	
September, 1963	3,198.5	54,537	57,735	1.4%	1.9%	1.9%	
October, 1963	3,201.8	54,705	57,907	2.0%	2.2%	2.2%	*
November, 1963	3,193.0	54,528	57,721	1.9%	2.1%	2.1%	
December, 1963	3,198.7	54,910	58,109	2.5%	2.3%	2.3%	*
January, 1964	3,097.2	53,363	56,460	1.8%	2.5%	2.5%	
February, 1964	3,103.5	53,498	56,601	2.4%	2.8%	2.8%	
March, 1964	3,130.6	53,833	56,964	2.4%	2.9%	2.9%	
April, 1964	3,175.0	54,353	57,528	1.5%	2.5%	2.5%	
May, 1964	3,209.1	54,839	58,048	1.5%	2.7%	2.6%	
June, 1964	3,247.8	55,557	58,805	1.5%	2.9%	2.8%	
July, 1964	3,227.7	55,404	58,632	1.9%	2.9%	2.8%	
August, 1964	3,240.3	55,660	58,900	2.5%	2.9%	2.9%	
September, 1964	3,296.3	56,201	59,497	3.1%	3.1%	3.1%	*
October, 1964	3,261.6	56,118	59,380	1.9%	2.6%	2.5%	
November, 1964	3,291.6	56,385	59,677	3.1%	3.4%	3.4%	
December, 1964	3,315.0	56,883	60,198	3.6%	3.6%	3.6%	*
January, 1965	3,233.6	55,327	58,561	4.4%	3.7%	3.7%	*
February, 1965	3,236.2	55,440	58,676	4.3%	3.6%	3.7%	*
March, 1965	3,263.7	55,855	59,119	4.3%	3.8%	3.8%	*
April, 1965	3,322.1	56,569	59,891	4.6%	4.1%	4.1%	*
May, 1965	3,356.5	57,086	60,442	4.6%	4.1%	4.1%	*
June, 1965	3,402.6	57,916	61,319	4.8%	4.2%	4.3%	*
July, 1965	3,383.7	57,783	61,167	4.8%	4.3%	4.3%	*
August, 1965	3,383.2	58,072	61,455	4.4%	4.3%	4.3%	*
September, 1965	3,423.8	58,582	62,006	3.9%	4.2%	4.2%	
October, 1965	3,438.5	58,807	62,245	5.4%	4.8%	4.8%	*
November, 1965	3,447.4	59,018	62,465	4.7%	4.7%	4.7%	*
December, 1965	3,480.7	59,660	63,141	5.0%	4.9%	4.9%	*
January, 1966	3,395.6	58,133	61,529	5.0%	5.1%	5.1%	

<u>MONTH</u>	<u>OHIO</u> <u>JOBS</u>	<u>REST OF</u> <u>USA</u>	<u>USA</u> <u>JOBS</u>	<u>%</u> <u>INCR</u> <u>OHIO</u> <u>JOBS</u>	<u>%</u> <u>INCR</u> <u>REST OF</u> <u>USA</u>	<u>%</u> <u>INCR</u> <u>USA</u> <u>JOBS</u>	<u>*</u> <u>IF</u> <u>OHIO &gt;</u> <u>USA</u>
February, 1966	3,399.2	58,308	61,707	5.0%	5.2%	5.2%	
March, 1966	3,442.8	58,911	62,354	5.5%	5.5%	5.5%	*
April, 1966	3,493.8	59,602	63,096	5.2%	5.4%	5.4%	
May, 1966	3,522.4	60,123	63,645	4.9%	5.3%	5.3%	
June, 1966	3,584.4	61,200	64,784	5.3%	5.7%	5.7%	
July, 1966	3,557.5	60,913	64,470	5.1%	5.4%	5.4%	
August, 1966	3,563.3	61,115	64,678	5.3%	5.2%	5.2%	*
September, 1966	3,604.3	61,478	65,082	5.3%	4.9%	5.0%	*
October, 1966	3,611.7	61,725	65,337	5.0%	5.0%	5.0%	*
November, 1966	3,622.0	61,886	65,508	5.1%	4.9%	4.9%	*
December, 1966	3,650.3	62,401	66,051	4.9%	4.6%	4.6%	*
January, 1967	3,554.2	60,885	64,439	4.7%	4.7%	4.7%	
February, 1967	3,541.5	60,836	64,377	4.2%	4.3%	4.3%	
March, 1967	3,560.4	61,181	64,741	3.4%	3.9%	3.8%	
April, 1967	3,585.9	61,558	65,144	2.6%	3.3%	3.2%	
May, 1967	3,584.9	61,955	65,540	1.8%	3.0%	3.0%	
June, 1967	3,635.9	62,815	66,451	1.4%	2.6%	2.6%	*
July, 1967	3,605.8	62,409	66,015	1.4%	2.5%	2.4%	
August, 1967	3,637.5	62,625	66,262	2.1%	2.5%	2.4%	
September, 1967	3,646.6	62,902	66,549	1.2%	2.3%	2.3%	
October, 1967	3,659.2	63,025	66,684	1.3%	2.1%	2.1%	
November, 1967	3,694.9	63,515	67,210	2.0%	2.6%	2.6%	
December, 1967	3,730.7	64,027	67,758	2.2%	2.6%	2.6%	
January, 1968	3,629.6	62,223	65,853	2.1%	2.2%	2.2%	
February, 1968	3,649.2	62,554	66,203	3.0%	2.8%	2.8%	*
March, 1968	3,674.3	62,879	66,553	3.2%	2.8%	2.8%	*
April, 1968	3,723.9	63,536	67,260	3.8%	3.2%	3.2%	*
May, 1968	3,747.9	63,833	67,581	4.5%	3.0%	3.1%	*
June, 1968	3,804.1	64,813	68,617	4.6%	3.2%	3.3%	
July, 1968	3,760.9	64,438	68,199	4.3%	3.3%	3.3%	*
August, 1968	3,756.7	64,640	68,397	3.3%	3.2%	3.2%	*
September, 1968	3,791.1	65,035	68,826	4.0%	3.4%	3.4%	*
October, 1968	3,804.0	65,383	69,187	4.0%	3.7%	3.8%	*
November, 1968	3,824.9	65,684	69,509	3.5%	3.4%	3.4%	*
December, 1968	3,843.2	66,242	70,085	3.0%	3.5%	3.4%	
January, 1969	3,765.6	64,728	68,494	3.7%	4.0%	4.0%	
February, 1969	3,786.2	64,926	68,712	3.8%	3.8%	3.8%	
March, 1969	3,813.1	65,395	69,208	3.8%	4.0%	4.0%	
April, 1969	3,851.1	65,948	69,799	3.4%	3.8%	3.8%	
May, 1969	3,884.8	66,400	70,285	3.7%	4.0%	4.0%	
June, 1969	3,943.1	67,420	71,363	3.7%	4.0%	4.0%	
July, 1969	3,891.5	66,855	70,746	3.5%	3.7%	3.7%	
August, 1969	3,906.0	67,118	71,024	4.0%	3.8%	3.8%	*
September, 1969	3,937.2	67,298	71,235	3.9%	3.5%	3.5%	*
October, 1969	3,961.4	67,640	71,601	4.1%	3.5%	3.5%	*
November, 1969	3,945.5	67,685	71,630	3.2%	3.0%	3.1%	*
December, 1969	3,961.6	68,079	72,041	3.1%	2.8%	2.8%	*

<u>MONTH</u>	<u>OHIO JOBS</u>	<u>REST OF USA</u>	<u>USA JOBS</u>	<u>% INCR OHIO JOBS</u>	<u>% INCR REST OF USA</u>	<u>% INCR USA JOBS</u>	<u>* IF OHIO &gt; USA</u>
January, 1970	3,862.5	66,367	70,229	2.6%	2.5%	2.5%	
February, 1970	3,864.2	66,468	70,332	2.1%	2.4%	2.4%	
March, 1970	3,890.6	66,895	70,786	2.0%	2.3%	2.3%	
April, 1970	3,897.4	67,208	71,105	1.2%	1.9%	1.9%	
May, 1970	3,896.4	67,227	71,123	0.3%	1.2%	1.2%	
June, 1970	3,933.5	67,833	71,766	-0.2%	0.6%	0.6%	
July, 1970	3,895.8	67,104	71,000	0.1%	0.4%	0.4%	
August, 1970	3,873.9	67,026	70,900	-0.8%	-0.1%	-0.2%	
September, 1970	3,921.4	67,336	71,257	-0.4%	0.1%	0.0%	
October, 1970	3,837.9	67,184	71,022	-3.1%	-0.7%	-0.8%	
November, 1970	3,818.2	67,165	70,983	-3.2%	-0.8%	-0.9%	
December, 1970	3,876.4	67,688	71,564	-2.2%	-0.6%	-0.7%	
January, 1971	3,790.2	66,132	69,922	-1.9%	-0.4%	-0.4%	
February, 1971	3,772.8	66,071	69,844	-2.4%	-0.6%	-0.7%	
March, 1971	3,798.6	66,410	70,209	-2.4%	-0.7%	-0.8%	
April, 1971	3,846.3	66,949	70,795	-1.3%	-0.4%	-0.4%	
May, 1971	3,870.7	67,416	71,287	-0.7%	0.3%	0.2%	
June, 1971	3,899.6	68,106	72,006	-0.9%	0.4%	0.3%	
July, 1971	3,845.5	67,349	71,194	-1.3%	0.4%	0.3%	
August, 1971	3,827.2	67,471	71,298	-1.2%	0.7%	0.6%	
September, 1971	3,855.3	68,076	71,931	-1.7%	1.1%	0.9%	
October, 1971	3,841.9	68,338	72,180	0.1%	1.7%	1.6%	
November, 1971	3,855.5	68,624	72,479	1.0%	2.2%	2.1%	
December, 1971	3,871.2	69,009	72,880	-0.1%	2.0%	1.8%	
January, 1972	3,795.8	67,685	71,481	0.1%	2.3%	2.2%	
February, 1972	3,803.9	67,864	71,668	0.8%	2.7%	2.6%	
March, 1972	3,839.1	68,422	72,261	1.1%	3.0%	2.9%	
April, 1972	3,892.4	69,002	72,894	1.2%	3.1%	3.0%	
May, 1972	3,933.1	69,592	73,525	1.6%	3.2%	3.1%	
June, 1972	3,991.3	70,516	74,507	2.4%	3.5%	3.5%	
July, 1972	3,942.7	69,559	73,502	2.5%	3.3%	3.2%	
August, 1972	3,957.8	70,096	74,054	3.4%	3.9%	3.9%	
September, 1972	3,995.9	70,616	74,612	3.6%	3.7%	3.7%	
October, 1972	4,018.7	71,271	75,290	4.6%	4.3%	4.3%	*
November, 1972	4,035.1	71,669	75,704	4.7%	4.4%	4.4%	*
December, 1972	4,054.3	72,024	76,078	4.7%	4.4%	4.4%	*
January, 1973	3,978.8	70,634	74,613	4.8%	4.4%	4.4%	*
February, 1973	3,996.4	70,993	74,989	5.1%	4.6%	4.6%	*
March, 1973	4,035.1	71,509	75,544	5.1%	4.5%	4.5%	*
April, 1973	4,077.2	72,055	76,132	4.7%	4.4%	4.4%	*
May, 1973	4,111.8	72,600	76,712	4.5%	4.3%	4.3%	*
June, 1973	4,166.7	73,463	77,630	4.4%	4.2%	4.2%	*
July, 1973	4,122.0	72,569	76,691	4.5%	4.3%	4.3%	*
August, 1973	4,117.7	72,977	77,095	4.0%	4.1%	4.1%	
September, 1973	4,161.7	73,520	77,682	4.1%	4.1%	4.1%	*
October, 1973	4,184.1	74,122	78,306	4.1%	4.0%	4.0%	
November, 1973	4,197.8	74,509	78,707	4.0%	4.0%	4.0%	*

<u>MONTH</u>	<u>OHIO JOBS</u>	<u>REST OF USA</u>	<u>USA JOBS</u>	<u>% INCR OHIO JOBS</u>	<u>% INCR REST OF USA</u>	<u>% INCR USA JOBS</u>	<u>* IF OHIO &gt; USA</u>
December, 1973	4,205.8	74,633	78,839	3.7%	3.6%	3.6%	
January, 1974	4,094.8	72,950	77,045	2.9%	3.3%	3.3%	
February, 1974	4,078.5	73,085	77,163	2.1%	2.9%	2.9%	
March, 1974	4,111.6	73,373	77,485	1.9%	2.6%	2.6%	
April, 1974	4,154.6	73,880	78,035	1.9%	2.5%	2.5%	
May, 1974	4,192.0	74,445	78,637	2.0%	2.5%	2.5%	
June, 1974	4,241.1	75,095	79,336	1.8%	2.2%	2.2%	
July, 1974	4,190.8	74,247	78,438	1.7%	2.3%	2.3%	
August, 1974	4,185.4	74,399	78,584	1.6%	1.9%	1.9%	
September, 1974	4,221.4	74,863	79,084	1.4%	1.8%	1.8%	
October, 1974	4,217.1	75,164	79,381	0.8%	1.4%	1.4%	
November, 1974	4,196.3	74,864	79,060	0.0%	0.5%	0.4%	
December, 1974	4,149.2	74,270	78,419	-1.3%	-0.5%	-0.5%	
January, 1975	4,015.9	72,173	76,189	-1.9%	-1.1%	-1.1%	
February, 1975	3,949.7	71,814	75,764	-3.2%	-1.7%	-1.8%	
March, 1975	3,953.5	71,855	75,808	-3.8%	-2.1%	-2.2%	
April, 1975	3,986.0	72,156	76,142	-4.1%	-2.3%	-2.4%	
May, 1975	4,020.8	72,753	76,774	-4.1%	-2.3%	-2.4%	
June, 1975	4,051.4	73,219	77,270	-4.5%	-2.5%	-2.6%	
July, 1975	3,994.7	72,597	76,592	-4.7%	-2.2%	-2.4%	
August, 1975	3,996.7	73,123	77,120	-4.5%	-1.7%	-1.9%	
September, 1975	4,043.4	73,683	77,726	-4.2%	-1.6%	-1.7%	
October, 1975	4,053.5	74,230	78,283	-3.9%	-1.2%	-1.4%	
November, 1975	4,061.2	74,376	78,437	-3.2%	-0.7%	-0.8%	
December, 1975	4,067.8	74,658	78,726	-2.0%	0.5%	0.4%	
January, 1976	3,988.4	73,388	77,376	-0.7%	1.7%	1.6%	
February, 1976	3,988.1	73,617	77,605	1.0%	2.5%	2.4%	
March, 1976	4,037.7	74,176	78,214	2.1%	3.2%	3.2%	
April, 1976	4,100.0	74,942	79,042	2.9%	3.9%	3.8%	
May, 1976	4,115.9	75,418	79,534	2.4%	3.7%	3.6%	
June, 1976	4,149.0	76,015	80,164	2.4%	3.8%	3.7%	
July, 1976	4,089.6	75,303	79,393	2.4%	3.7%	3.7%	
August, 1976	4,080.3	75,579	79,659	2.1%	3.4%	3.3%	
September, 1976	4,144.8	76,217	80,362	2.5%	3.4%	3.4%	
October, 1976	4,128.3	76,465	80,593	1.8%	3.0%	3.0%	
November, 1976	4,155.1	76,798	80,953	2.3%	3.3%	3.2%	
December, 1976	4,157.8	76,971	81,129	2.2%	3.1%	3.1%	
January, 1977	4,053.1	75,487	79,540	1.6%	2.9%	2.8%	
February, 1977	4,033.2	75,714	79,747	1.1%	2.8%	2.8%	
March, 1977	4,104.1	76,500	80,604	1.6%	3.1%	3.1%	
April, 1977	4,192.2	77,347	81,539	2.2%	3.2%	3.2%	
May, 1977	4,240.6	78,135	82,376	3.0%	3.6%	3.6%	
June, 1977	4,295.9	79,042	83,338	3.5%	4.0%	4.0%	
July, 1977	4,268.6	78,408	82,677	4.4%	4.1%	4.1%	*
August, 1977	4,269.1	78,702	82,971	4.6%	4.1%	4.2%	*
September, 1977	4,314.1	79,608	83,922	4.1%	4.4%	4.4%	
October, 1977	4,323.8	80,099	84,423	4.7%	4.8%	4.8%	

<u>MONTH</u>	<u>OHIO</u> <u>JOBS</u>	<u>REST OF</u> <u>USA</u>	<u>USA</u> <u>JOBS</u>	<u>%</u> <u>INCR</u> <u>OHIO</u> <u>JOBS</u>	<u>%</u> <u>INCR</u> <u>REST OF</u> <u>USA</u>	<u>%</u> <u>INCR</u> <u>USA</u> <u>JOBS</u>	<u>*</u> <u>IF</u> <u>OHIO &gt;</u> <u>USA</u>
November, 1977	4,337.3	80,531	84,868	4.4%	4.9%	4.8%	
December, 1977	4,329.0	80,776	85,105	4.1%	4.9%	4.9%	
January, 1978	4,198.2	79,244	83,442	3.6%	5.0%	4.9%	
February, 1978	4,206.9	79,531	83,738	4.3%	5.0%	5.0%	
March, 1978	4,254.1	80,478	84,732	3.7%	5.2%	5.1%	
April, 1978	4,357.5	81,680	86,037	3.9%	5.6%	5.5%	
May, 1978	4,412.3	82,430	86,842	4.0%	5.5%	5.4%	
June, 1978	4,480.7	83,349	87,830	4.3%	5.4%	5.4%	
July, 1978	4,428.6	82,573	87,002	3.7%	5.3%	5.2%	
August, 1978	4,429.2	82,876	87,305	3.8%	5.3%	5.2%	
September, 1978	4,457.9	83,474	87,932	3.3%	4.9%	4.8%	
October, 1978	4,486.2	84,063	88,549	3.8%	4.9%	4.9%	
November, 1978	4,507.6	84,591	89,099	3.9%	5.0%	5.0%	
December, 1978	4,519.4	84,889	89,408	4.4%	5.1%	5.1%	
January, 1979	4,393.0	83,257	87,650	4.6%	5.1%	5.0%	
February, 1979	4,391.3	83,498	87,889	4.4%	5.0%	5.0%	
March, 1979	4,442.1	84,350	88,792	4.4%	4.8%	4.8%	
April, 1979	4,473.8	84,839	89,313	2.7%	3.9%	3.8%	
May, 1979	4,523.9	85,602	90,126	2.5%	3.8%	3.8%	
June, 1979	4,563.5	86,408	90,971	1.8%	3.7%	3.6%	
July, 1979	4,497.8	85,478	89,976	1.6%	3.5%	3.4%	
August, 1979	4,472.2	85,600	90,072	1.0%	3.3%	3.2%	
September, 1979	4,520.7	86,095	90,616	1.4%	3.1%	3.1%	
October, 1979	4,524.5	86,565	91,089	0.9%	3.0%	2.9%	
November, 1979	4,512.2	86,775	91,287	0.1%	2.6%	2.5%	
December, 1979	4,502.4	86,913	91,415	-0.4%	2.4%	2.2%	
January, 1980	4,376.7	85,254	89,631	-0.4%	2.4%	2.3%	
February, 1980	4,366.6	85,397	89,764	-0.6%	2.3%	2.1%	
March, 1980	4,391.7	85,932	90,324	-1.1%	1.9%	1.7%	
April, 1980	4,397.2	86,350	90,747	-1.7%	1.8%	1.6%	
May, 1980	4,391.1	86,372	90,763	-2.9%	0.9%	0.7%	
June, 1980	4,384.3	86,538	90,922	-3.9%	0.2%	-0.1%	
July, 1980	4,298.2	85,284	89,582	-4.4%	-0.2%	-0.4%	
August, 1980	4,298.5	85,567	89,865	-3.9%	0.0%	-0.2%	
September, 1980	4,348.4	86,182	90,530	-3.8%	0.1%	-0.1%	
October, 1980	4,380.5	86,748	91,128	-3.2%	0.2%	0.0%	
November, 1980	4,390.4	87,085	91,475	-2.7%	0.4%	0.2%	
December, 1980	4,385.0	87,276	91,661	-2.6%	0.4%	0.3%	
January, 1981	4,261.9	85,575	89,837	-2.6%	0.4%	0.2%	
February, 1981	4,252.5	85,733	89,985	-2.6%	0.4%	0.2%	
March, 1981	4,291.1	86,229	90,520	-2.3%	0.3%	0.2%	
April, 1981	4,327.6	86,829	91,157	-1.6%	0.6%	0.5%	
May, 1981	4,358.4	87,289	91,647	-0.7%	1.1%	1.0%	
June, 1981	4,386.0	87,910	92,296	0.0%	1.6%	1.5%	
July, 1981	4,335.6	87,035	91,371	0.9%	2.1%	2.0%	
August, 1981	4,322.4	87,056	91,378	0.6%	1.7%	1.7%	
September, 1981	4,359.4	87,517	91,876	0.3%	1.5%	1.5%	

<u>MONTH</u>	<u>OHIO JOBS</u>	<u>REST OF USA</u>	<u>USA JOBS</u>	<u>% INCR OHIO JOBS</u>	<u>% INCR REST OF USA</u>	<u>% INCR USA JOBS</u>	<u>* IF OHIO &gt; USA</u>
October, 1981	4,345.9	87,708	92,054	-0.8%	1.1%	1.0%	
November, 1981	4,309.7	87,578	91,888	-1.8%	0.6%	0.5%	
December, 1981	4,261.7	87,293	91,555	-2.8%	0.0%	-0.1%	
January, 1982	4,137.5	85,191	89,328	-2.9%	-0.4%	-0.6%	
February, 1982	4,114.9	85,302	89,417	-3.2%	-0.5%	-0.6%	
March, 1982	4,129.1	85,581	89,710	-3.8%	-0.8%	-0.9%	
April, 1982	4,146.5	85,847	89,993	-4.2%	-1.1%	-1.3%	
May, 1982	4,181.1	86,297	90,478	-4.1%	-1.1%	-1.3%	
June, 1982	4,192.2	86,477	90,669	-4.4%	-1.6%	-1.8%	
July, 1982	4,127.1	85,211	89,338	-4.8%	-2.1%	-2.2%	
August, 1982	4,101.4	85,111	89,212	-5.1%	-2.2%	-2.4%	
September, 1982	4,128.0	85,500	89,628	-5.3%	-2.3%	-2.4%	
October, 1982	4,102.5	85,496	89,598	-5.6%	-2.5%	-2.7%	
November, 1982	4,076.2	85,419	89,495	-5.4%	-2.5%	-2.6%	
December, 1982	4,054.9	85,341	89,396	-4.9%	-2.2%	-2.4%	
January, 1983	3,963.2	83,766	87,729	-4.2%	-1.7%	-1.8%	
February, 1983	3,961.6	83,779	87,741	-3.7%	-1.8%	-1.9%	
March, 1983	3,994.6	84,349	88,344	-3.3%	-1.4%	-1.5%	
April, 1983	4,039.6	85,147	89,187	-2.6%	-0.8%	-0.9%	
May, 1983	4,084.2	85,935	90,019	-2.3%	-0.4%	-0.5%	
June, 1983	4,110.4	86,734	90,844	-2.0%	0.3%	0.2%	
July, 1983	4,101.8	86,169	90,271	-0.6%	1.1%	1.0%	
August, 1983	4,096.0	85,902	89,998	-0.1%	0.9%	0.9%	
September, 1983	4,177.3	87,542	91,719	1.2%	2.4%	2.3%	
October, 1983	4,184.7	88,048	92,233	2.0%	3.0%	2.9%	
November, 1983	4,198.0	88,394	92,592	3.0%	3.5%	3.5%	
December, 1983	4,199.0	88,664	92,863	3.6%	3.9%	3.9%	
January, 1984	4,107.8	87,266	91,374	3.6%	4.2%	4.2%	
February, 1984	4,126.2	87,814	91,940	4.2%	4.8%	4.8%	
March, 1984	4,150.5	88,509	92,659	3.9%	4.9%	4.9%	
April, 1984	4,209.7	89,404	93,614	4.2%	5.0%	5.0%	
May, 1984	4,263.3	90,226	94,489	4.4%	5.0%	5.0%	
June, 1984	4,297.5	91,008	95,305	4.6%	4.9%	4.9%	
July, 1984	4,272.6	90,334	94,607	4.2%	4.8%	4.8%	
August, 1984	4,289.0	90,599	94,888	4.7%	5.5%	5.4%	
September, 1984	4,330.3	91,478	95,808	3.7%	4.5%	4.5%	
October, 1984	4,352.4	92,010	96,362	4.0%	4.5%	4.5%	
November, 1984	4,361.8	92,376	96,738	3.9%	4.5%	4.5%	
December, 1984	4,361.0	92,432	96,793	3.9%	4.2%	4.2%	
January, 1985	4,237.6	90,811	95,049	3.2%	4.1%	4.0%	
February, 1985	4,238.9	91,020	95,259	2.7%	3.7%	3.6%	
March, 1985	4,282.7	91,772	96,055	3.2%	3.7%	3.7%	
April, 1985	4,347.3	92,528	96,875	3.3%	3.5%	3.5%	
May, 1985	4,405.8	93,320	97,726	3.3%	3.4%	3.4%	
June, 1985	4,413.1	93,866	98,279	2.7%	3.1%	3.1%	
July, 1985	4,379.5	93,039	97,418	2.5%	3.0%	3.0%	
August, 1985	4,383.8	93,283	97,667	2.2%	3.0%	2.9%	

<u>MONTH</u>	<u>OHIO JOBS</u>	<u>REST OF USA</u>	<u>USA JOBS</u>	<u>% INCR OHIO JOBS</u>	<u>% INCR REST OF USA</u>	<u>% INCR USA JOBS</u>	<u>* IF OHIO &gt; USA</u>
September, 1985	4,427.7	94,048	98,476	2.2%	2.8%	2.8%	
October, 1985	4,444.4	94,543	98,987	2.1%	2.8%	2.7%	
November, 1985	4,454.2	94,786	99,240	2.1%	2.6%	2.6%	
December, 1985	4,459.4	94,897	99,356	2.3%	2.7%	2.6%	
January, 1986	4,352.2	93,045	97,397	2.7%	2.5%	2.5%	*
February, 1986	4,348.7	93,241	97,590	2.6%	2.4%	2.4%	*
March, 1986	4,374.5	93,764	98,138	2.1%	2.2%	2.2%	
April, 1986	4,446.6	94,526	98,973	2.3%	2.2%	2.2%	*
May, 1986	4,492.0	95,175	99,667	2.0%	2.0%	2.0%	
June, 1986	4,505.8	95,467	99,973	2.1%	1.7%	1.7%	*
July, 1986	4,476.4	94,743	99,219	2.2%	1.8%	1.8%	*
August, 1986	4,481.4	94,912	99,393	2.2%	1.7%	1.8%	*
September, 1986	4,525.4	95,792	100,317	2.2%	1.9%	1.9%	*
October, 1986	4,542.1	96,344	100,886	2.2%	1.9%	1.9%	*
November, 1986	4,554.9	96,586	101,141	2.3%	1.9%	1.9%	*
December, 1986	4,557.4	96,743	101,300	2.2%	1.9%	2.0%	*
January, 1987	4,447.5	94,887	99,334	2.2%	2.0%	2.0%	*
February, 1987	4,458.4	95,199	99,657	2.5%	2.1%	2.1%	*
March, 1987	4,485.5	95,882	100,367	2.5%	2.3%	2.3%	*
April, 1987	4,539.5	96,830	101,369	2.1%	2.4%	2.4%	
May, 1987	4,592.2	97,543	102,135	2.2%	2.5%	2.5%	
June, 1987	4,611.6	98,130	102,742	2.3%	2.8%	2.8%	
July, 1987	4,577.9	97,412	101,990	2.3%	2.8%	2.8%	
August, 1987	4,586.8	97,632	102,219	2.4%	2.9%	2.8%	
September, 1987	4,637.3	98,349	102,986	2.5%	2.7%	2.7%	
October, 1987	4,672.0	99,221	103,893	2.9%	3.0%	3.0%	
November, 1987	4,686.4	99,546	104,232	2.9%	3.1%	3.1%	
December, 1987	4,696.2	99,776	104,472	3.0%	3.1%	3.1%	
January, 1988	4,545.4	97,835	102,380	2.2%	3.1%	3.1%	
February, 1988	4,548.4	98,403	102,951	2.0%	3.4%	3.3%	
March, 1988	4,585.7	99,107	103,693	2.2%	3.4%	3.3%	
April, 1988	4,670.3	99,917	104,587	2.9%	3.2%	3.2%	
May, 1988	4,721.1	100,626	105,347	2.8%	3.2%	3.1%	
June, 1988	4,754.8	101,453	106,208	3.1%	3.4%	3.4%	
July, 1988	4,717.5	100,598	105,315	3.0%	3.3%	3.3%	
August, 1988	4,714.1	100,763	105,477	2.8%	3.2%	3.2%	
September, 1988	4,770.0	101,571	106,341	2.9%	3.3%	3.3%	
October, 1988	4,781.5	102,232	107,013	2.3%	3.0%	3.0%	
November, 1988	4,793.4	102,707	107,500	2.3%	3.2%	3.1%	
December, 1988	4,805.3	102,917	107,722	2.3%	3.1%	3.1%	
January, 1989	4,680.9	101,062	105,743	3.0%	3.3%	3.3%	
February, 1989	4,696.4	101,474	106,170	3.3%	3.1%	3.1%	*
March, 1989	4,746.9	102,066	106,813	3.5%	3.0%	3.0%	*
April, 1989	4,777.8	102,833	107,611	2.3%	2.9%	2.9%	
May, 1989	4,829.5	103,465	108,294	2.3%	2.8%	2.8%	
June, 1989	4,863.5	104,074	108,937	2.3%	2.6%	2.6%	
July, 1989	4,824.5	103,024	107,848	2.3%	2.4%	2.4%	

<u>MONTH</u>	<u>OHIO JOBS</u>	<u>REST OF USA</u>	<u>USA JOBS</u>	<u>% INCR OHIO JOBS</u>	<u>% INCR REST OF USA</u>	<u>% INCR USA JOBS</u>	<u>* IF OHIO &gt; USA</u>
August, 1989	4,837.4	103,090	107,927	2.6%	2.3%	2.3%	*
September, 1989	4,880.7	103,843	108,724	2.3%	2.2%	2.2%	*
October, 1989	4,881.6	104,335	109,217	2.1%	2.1%	2.1%	*
November, 1989	4,894.2	104,763	109,657	2.1%	2.0%	2.0%	*
December, 1989	4,896.1	104,770	109,666	1.9%	1.8%	1.8%	*
January, 1990	4,738.4	102,835	107,573	1.2%	1.8%	1.7%	
February, 1990	4,770.3	103,299	108,069	1.6%	1.8%	1.8%	
March, 1990	4,819.8	103,904	108,724	1.5%	1.8%	1.8%	
April, 1990	4,859.0	104,506	109,365	1.7%	1.6%	1.6%	*
May, 1990	4,925.8	105,344	110,270	2.0%	1.8%	1.8%	*
June, 1990	4,955.7	105,881	110,837	1.9%	1.7%	1.7%	*
July, 1990	4,895.7	104,672	109,568	1.5%	1.6%	1.6%	
August, 1990	4,904.3	104,546	109,450	1.4%	1.4%	1.4%	
September, 1990	4,940.4	105,105	110,045	1.2%	1.2%	1.2%	*
October, 1990	4,933.5	105,309	110,242	1.1%	0.9%	0.9%	*
November, 1990	4,926.2	105,279	110,205	0.7%	0.5%	0.5%	*
December, 1990	4,918.5	105,058	109,976	0.5%	0.3%	0.3%	*
January, 1991	4,745.6	102,680	107,426	0.2%	-0.1%	-0.1%	*
February, 1991	4,726.1	102,668	107,394	-0.9%	-0.6%	-0.6%	
March, 1991	4,760.7	102,922	107,683	-1.2%	-0.9%	-1.0%	
April, 1991	4,782.1	103,290	108,072	-1.6%	-1.2%	-1.2%	
May, 1991	4,836.1	103,918	108,754	-1.8%	-1.4%	-1.4%	
June, 1991	4,856.7	104,378	109,235	-2.0%	-1.4%	-1.4%	
July, 1991	4,816.2	103,217	108,033	-1.6%	-1.4%	-1.4%	
August, 1991	4,820.3	103,305	108,125	-1.7%	-1.2%	-1.2%	
September, 1991	4,861.5	103,981	108,842	-1.6%	-1.1%	-1.1%	
October, 1991	4,867.8	104,344	109,212	-1.3%	-0.9%	-0.9%	
November, 1991	4,879.2	104,350	109,229	-1.0%	-0.9%	-0.9%	
December, 1991	4,871.1	104,242	109,113	-1.0%	-0.8%	-0.8%	
January, 1992	4,725.5	102,001	106,726	-0.4%	-0.7%	-0.7%	*
February, 1992	4,735.6	102,242	106,978	0.2%	-0.4%	-0.4%	*
March, 1992	4,771.8	102,726	107,498	0.2%	-0.2%	-0.2%	*
April, 1992	4,831.4	103,502	108,333	1.0%	0.2%	0.2%	*
May, 1992	4,893.7	104,246	109,140	1.2%	0.3%	0.4%	*
June, 1992	4,900.0	104,729	109,629	0.9%	0.3%	0.4%	*
July, 1992	4,851.2	103,760	108,611	0.7%	0.5%	0.5%	*
August, 1992	4,844.6	103,822	108,667	0.5%	0.5%	0.5%	*
September, 1992	4,876.9	104,575	109,452	0.3%	0.6%	0.6%	
October, 1992	4,918.0	105,121	110,039	1.0%	0.7%	0.8%	*
November, 1992	4,908.1	105,372	110,280	0.6%	1.0%	1.0%	
December, 1992	4,915.3	105,354	110,269	0.9%	1.1%	1.1%	
January, 1993	4,787.1	103,316	108,103	1.3%	1.3%	1.3%	
February, 1993	4,798.7	103,907	108,706	1.3%	1.6%	1.6%	
March, 1993	4,818.6	104,321	109,140	1.0%	1.6%	1.5%	
April, 1993	4,859.3	105,285	110,144	0.6%	1.7%	1.7%	
May, 1993	4,928.6	106,178	111,107	0.7%	1.9%	1.8%	
June, 1993	4,954.5	106,744	111,698	1.1%	1.9%	1.9%	



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July, 1993	4,911.9	105,917	110,829	1.3%	2.1%	2.0%	
August, 1993	4,925.7	106,014	110,940	1.7%	2.1%	2.1%	
September, 1993	4,978.7	106,950	111,929	2.1%	2.3%	2.3%	
October, 1993	5,005.6	107,589	112,595	1.8%	2.3%	2.3%	
November, 1993	5,019.0	107,921	112,940	2.3%	2.4%	2.4%	
December, 1993	5,032.2	108,056	113,088	2.4%	2.6%	2.6%	
January, 1994	4,902.1	105,937	110,839	2.4%	2.5%	2.5%	
February, 1994	4,933.8	106,485	111,419	2.8%	2.5%	2.5%	*
March, 1994	4,987.7	107,406	112,394	3.5%	3.0%	3.0%	*
April, 1994	5,021.8	108,452	113,474	3.3%	3.0%	3.0%	*
May, 1994	5,093.2	109,393	114,486	3.3%	3.0%	3.0%	*
June, 1994	5,122.8	110,152	115,275	3.4%	3.2%	3.2%	*
July, 1994	5,057.6	109,273	114,331	3.0%	3.2%	3.2%	
August, 1994	5,074.4	109,565	114,639	3.0%	3.3%	3.3%	
September, 1994	5,136.7	110,561	115,698	3.2%	3.4%	3.4%	
October, 1994	5,170.1	111,154	116,324	3.3%	3.3%	3.3%	
November, 1994	5,193.7	111,738	116,932	3.5%	3.5%	3.5%	
December, 1994	5,217.9	111,752	116,970	3.7%	3.4%	3.4%	*
January, 1995	5,060.4	109,602	114,662	3.2%	3.5%	3.4%	
February, 1995	5,087.5	110,233	115,320	3.1%	3.5%	3.5%	
March, 1995	5,147.6	110,928	116,076	3.2%	3.3%	3.3%	
April, 1995	5,188.0	111,721	116,909	3.3%	3.0%	3.0%	*
May, 1995	5,245.6	112,386	117,632	3.0%	2.7%	2.7%	*
June, 1995	5,286.5	113,061	118,347	3.2%	2.6%	2.7%	*
July, 1995	5,201.1	111,912	117,113	2.8%	2.4%	2.4%	*
August, 1995	5,227.9	112,149	117,377	3.0%	2.4%	2.4%	*
September, 1995	5,283.2	113,009	118,292	2.9%	2.2%	2.2%	*
October, 1995	5,290.6	113,602	118,893	2.3%	2.2%	2.2%	*
November, 1995	5,310.5	113,822	119,132	2.2%	1.9%	1.9%	*
December, 1995	5,324.0	113,806	119,130	2.0%	1.8%	1.8%	*
January, 1996	5,145.4	111,286	116,431	1.7%	1.5%	1.5%	*
February, 1996	5,183.5	112,187	117,370	1.9%	1.8%	1.8%	*
March, 1996	5,213.5	112,962	118,175	1.3%	1.8%	1.8%	
April, 1996	5,256.7	113,756	119,013	1.3%	1.8%	1.8%	
May, 1996	5,327.1	114,813	120,140	1.6%	2.2%	2.1%	
June, 1996	5,359.1	115,445	120,804	1.4%	2.1%	2.1%	
July, 1996	5,288.2	114,479	119,767	1.7%	2.3%	2.3%	
August, 1996	5,312.7	114,746	120,059	1.6%	2.3%	2.3%	
September, 1996	5,334.6	115,469	120,804	1.0%	2.2%	2.1%	
October, 1996	5,358.6	116,165	121,524	1.3%	2.3%	2.2%	
November, 1996	5,381.7	116,602	121,984	1.3%	2.4%	2.4%	
December, 1996	5,396.0	116,567	121,963	1.4%	2.4%	2.4%	
January, 1997	5,233.1	114,188	119,421	1.7%	2.6%	2.6%	
February, 1997	5,254.8	115,027	120,282	1.4%	2.5%	2.5%	
March, 1997	5,306.2	115,859	121,165	1.8%	2.6%	2.5%	
April, 1997	5,349.8	116,790	122,140	1.8%	2.7%	2.6%	
May, 1997	5,421.9	117,799	123,221	1.8%	2.6%	2.6%	

<u>MONTH</u>	<u>OHIO JOBS</u>	<u>REST OF USA</u>	<u>USA JOBS</u>	<u>% INCR OHIO JOBS</u>	<u>% INCR REST OF USA</u>	<u>% INCR USA JOBS</u>	<u>* IF OHIO &gt; USA</u>
June, 1997	5,449.5	118,421	123,870	1.7%	2.6%	2.5%	
July, 1997	5,389.6	117,496	122,886	1.9%	2.6%	2.6%	
August, 1997	5,410.2	117,544	122,954	1.8%	2.4%	2.4%	
September, 1997	5,440.0	118,518	123,958	2.0%	2.6%	2.6%	
October, 1997	5,465.7	119,395	124,861	2.0%	2.8%	2.7%	
November, 1997	5,482.7	119,772	125,255	1.9%	2.7%	2.7%	
December, 1997	5,506.4	119,887	125,393	2.0%	2.8%	2.8%	
January, 1998	5,336.2	117,506	122,842	2.0%	2.9%	2.9%	
February, 1998	5,359.6	118,258	123,618	2.0%	2.8%	2.8%	
March, 1998	5,398.6	118,942	124,341	1.7%	2.7%	2.6%	
April, 1998	5,452.7	119,929	125,382	1.9%	2.7%	2.7%	
May, 1998	5,518.9	120,947	126,466	1.8%	2.7%	2.6%	
June, 1998	5,540.5	121,589	127,129	1.7%	2.7%	2.6%	
July, 1998	5,449.5	120,608	126,057	1.1%	2.6%	2.6%	
August, 1998	5,493.6	120,805	126,299	1.5%	2.8%	2.7%	
September, 1998	5,522.3	121,586	127,108	1.5%	2.6%	2.5%	
October, 1998	5,554.1	122,333	127,887	1.6%	2.5%	2.4%	
November, 1998	5,569.6	122,720	128,290	1.6%	2.5%	2.4%	
December, 1998	5,589.3	122,870	128,459	1.5%	2.5%	2.4%	
January, 1999	5,381.9	120,325	125,707	0.9%	2.4%	2.3%	
February, 1999	5,433.5	121,264	126,697	1.4%	2.5%	2.5%	
March, 1999	5,469.1	121,940	127,409	1.3%	2.5%	2.5%	
April, 1999	5,534.5	123,021	128,555	1.5%	2.6%	2.5%	
April, 1999	5,580.7	123,842	129,423	1.1%	2.4%	2.3%	
June, 1999	5,604.5	124,545	130,149	1.2%	2.4%	2.4%	
July, 1999	5,576.5	123,704	129,280	2.3%	2.6%	2.6%	
August, 1999	5,581.7	123,754	129,336	1.6%	2.4%	2.4%	
September, 1999	5,607.0	124,507	130,114	1.5%	2.4%	2.4%	
October, 1999	5,635.0	125,414	131,049	1.5%	2.5%	2.5%	
November, 1999	5,663.9	125,845	131,509	1.7%	2.5%	2.5%	
December, 1999	5,694.8	125,951	131,646	1.9%	2.5%	2.5%	
January, 2000	5503.9	123,501	129,005	2.3%	2.6%	2.6%	
February, 2000	5524.9	124,142	129,667	1.7%	2.4%	2.3%	
March, 2000	5573.4	125,191	130,764	1.9%	2.7%	2.6%	
April, 2000	5610.8	126,151	131,762	1.4%	2.5%	2.5%	
May, 2000	5668.2	127,050	132,718	1.6%	2.6%	2.5%	
June, 2000	5690.3	127,540	133,230	1.5%	2.4%	2.4%	
July, 2000	5624.0	126,387	132,011	0.9%	2.2%	2.1%	
August, 2000	5629.5	126,394	132,023	0.9%	2.1%	2.1%	
September, 2000	5643.3	127,047	132,690	0.6%	2.0%	2.0%	
October, 2000	5661.2	127,588	133,249	0.5%	1.7%	1.7%	
November, 2000	5680.4	127,934	133,614	0.3%	1.7%	1.6%	
December, 2000	5686.0	127,869	133,555	-0.2%	1.5%	1.5%	
January, 2001	5488.3	125,193	130,681	-0.3%	1.4%	1.3%	
February, 2001	5501.1	125,847	131,348	-0.4%	1.4%	1.3%	
March, 2001	5532.2	126,410	131,942	-0.7%	1.0%	0.9%	
April, 2001	5560.1	126,789	132,349	-0.9%	0.5%	0.4%	

<u>MONTH</u>	<u>OHIO</u> <u>JOBS</u>	<u>REST OF</u> <u>USA</u>	<u>USA</u> <u>JOBS</u>	<u>%</u> <u>INCR</u> <u>OHIO</u> <u>JOBS</u>	<u>%</u> <u>INCR</u> <u>REST OF</u> <u>USA</u>	<u>%</u> <u>INCR</u> <u>USA</u> <u>JOBS</u>	<u>*</u> <u>IF</u> <u>OHIO &gt;</u> <u>USA</u>
May, 2001	5596.3	127,460	133,056	-1.3%	0.3%	0.3%	
June, 2001	5612.1	127,823	133,435	-1.4%	0.2%	0.2%	
July, 2001	5529.5	126,417	131,946	-1.7%	0.0%	0.0%	
August, 2001	5533.5	126,343	131,876	-1.7%	0.0%	-0.1%	
September, 2001	5530.6	126,611	132,142	-2.0%	-0.3%	-0.4%	
October, 2001	5539.3	126,805	132,344	-2.2%	-0.6%	-0.7%	
November, 2001	5546.9	126,608	132,155	-2.4%	-1.0%	-1.1%	
December, 2001	5541.5	126,232	131,773	-2.5%	-1.3%	-1.3%	
January, 2002	5348.7	123,541	128,890	-2.5%	-1.3%	-1.4%	
February, 2002	5363.6	123,998	129,362	-2.5%	-1.5%	-1.5%	
March, 2002	5398.0	124,571	129,969	-2.4%	-1.5%	-1.5%	
April, 2002	5429.2	125,129	130,558	-2.4%	-1.3%	-1.4%	
May, 2002	5480.1	125,849	131,329	-2.1%	-1.3%	-1.3%	
June, 2002	5492.5	126,219	131,711	-2.1%	-1.3%	-1.3%	
July, 2002	5443.4	124,827	130,270	-1.6%	-1.3%	-1.3%	
August, 2002	5456.6	124,899	130,356	-1.4%	-1.1%	-1.2%	
September, 2002	5469.5	125,406	130,875	-1.1%	-1.0%	-1.0%	
October, 2002	5479.1	126,067	131,546	-1.1%	-0.6%	-0.6%	
November, 2002	5492.6	126,174	131,667	-1.0%	-0.3%	-0.4%	
December, 2002	5486.2	125,773	131,259	-1.0%	-0.4%	-0.4%	
January, 2003	5309.8	123,267	128,577	-0.7%	-0.2%	-0.2%	
February, 2003	5307.0	123,687	128,994	-1.1%	-0.3%	-0.3%	
March, 2003	5338.5	124,152	129,490	-1.1%	-0.3%	-0.4%	
April, 2003	5390.0	124,758	130,148	-0.7%	-0.3%	-0.3%	
May, 2003	5439.9	125,469	130,909	-0.7%	-0.3%	-0.3%	
June, 2003	5440.2	125,799	131,239	-1.0%	-0.3%	-0.4%	
July, 2003	5389.2	124,511	129,900	-1.0%	-0.3%	-0.3%	
August, 2003	5405.1	124,548	129,953	-0.9%	-0.3%	-0.3%	
September, 2003	5414.6	125,193	130,608	-1.0%	-0.2%	-0.2%	
October, 2003	5441.1	125,960	131,401	-0.7%	-0.1%	-0.1%	
November, 2003	5446.5	126,119	131,565	-0.8%	0.0%	-0.1%	
December, 2003	5450.7	125,934	131,385	-0.6%	0.1%	0.1%	
January, 2004	5277.0	123,449	128,726	-0.6%	0.1%	0.1%	
February, 2004	5292.7	124,044	129,337	-0.3%	0.3%	0.3%	
March, 2004	5342.6	125,035	130,378	0.1%	0.7%	0.7%	
April, 2004	5395.2	126,100	131,495	0.1%	1.1%	1.0%	
May, 2004	5438.4	126,960	132,398	0.0%	1.2%	1.1%	
June, 2004	5454.9	127,388	132,843	0.3%	1.3%	1.2%	
July, 2004	5417.2	126,265	131,682	0.5%	1.4%	1.4%	
August, 2004	5423.5	126,279	131,702	0.3%	1.4%	1.3%	
September, 2004	5439.9	126,977	132,417	0.5%	1.4%	1.4%	
October, 2004	5466.1	127,932	133,398	0.5%	1.6%	1.5%	
November, 2004	5476.4	128,172	133,648	0.5%	1.6%	1.6%	
December, 2004	5476.5	127,942	133,418	0.5%	1.6%	1.5%	
January, 2005	5287.2	125,426	130,713	0.2%	1.6%	1.5%	
February, 2005	5313.9	126,222	131,536	0.4%	1.8%	1.7%	
March, 2005	5354.0	127,022	132,376	0.2%	1.6%	1.5%	

<u>MONTH</u>	<u>OHIO JOBS</u>	<u>REST OF USA</u>	<u>USA JOBS</u>	<u>% INCR OHIO JOBS</u>	<u>% INCR REST OF USA</u>	<u>% INCR USA JOBS</u>	<u>* IF OHIO &gt; USA</u>
April, 2005	5424.3	128,165	133,589	0.5%	1.6%	1.6%	
May, 2005	5465.5	128,938	134,403	0.5%	1.6%	1.5%	
June, 2005	5472.4	129,599	135,071	0.3%	1.7%	1.7%	
July, 2005	5431.2	128,580	134,011	0.3%	1.8%	1.8%	
August, 2005	5440.1	128,821	134,261	0.3%	2.0%	1.9%	
September, 2005	5469.1	129,420	134,889	0.5%	1.9%	1.9%	
October, 2005	5476.8	130,140	135,617	0.2%	1.7%	1.7%	
November, 2005	5494.6	130,679	136,174	0.3%	2.0%	1.9%	
December, 2005	5491.3	130,482	135,973	0.3%	2.0%	1.9%	
January, 2006	5326.3	127,994	133,320	0.7%	2.0%	2.0%	
February, 2006	5347.0	128,898	134,245	0.6%	2.1%	2.1%	
March, 2006	5389.7	129,836	135,226	0.7%	2.2%	2.2%	
April, 2006	5434.7	130,705	136,140	0.2%	2.0%	1.9%	
May, 2006	5478.4	131,468	136,946	0.2%	2.0%	1.9%	
June, 2006	5494.0	131,954	137,448	0.4%	1.8%	1.8%	
July, 2006	5428.5	130,845	136,273	0.0%	1.8%	1.7%	
August, 2006	5440.8	131,038	136,479	0.0%	1.7%	1.7%	
September, 2006	5461.0	131,688	137,149	-0.1%	1.8%	1.7%	
October, 2006	5465.7	132,383	137,849	-0.2%	1.7%	1.6%	
November, 2006	5479.2	132,755	138,234	-0.3%	1.6%	1.5%	
December, 2006	5480.0	132,644	138,124	-0.2%	1.7%	1.6%	
January, 2007	5323.1	130,012	135,335	-0.1%	1.6%	1.5%	
February, 2007	5319.8	130,706	136,026	-0.5%	1.4%	1.3%	
March, 2007	5367.8	131,554	136,922	-0.4%	1.3%	1.3%	
April, 2007	5416.3	132,314	137,730	-0.3%	1.2%	1.2%	
May, 2007	5473.8	133,199	138,673	-0.1%	1.3%	1.3%	
June, 2007	5492.7	133,684	139,177	0.0%	1.3%	1.3%	
July, 2007	5423.3	132,355	137,778	-0.1%	1.2%	1.1%	
August, 2007	5437.6	132,452	137,890	-0.1%	1.1%	1.0%	
September, 2007	5451.3	133,005	138,456	-0.2%	1.0%	1.0%	
October, 2007	5464.4	133,734	139,198	0.0%	1.0%	1.0%	
November, 2007	5481.9	134,028	139,510	0.0%	1.0%	0.9%	
December, 2007	5471.5	133,827	139,298	-0.2%	0.9%	0.8%	
January, 2008	5315.9	130,952	136,268	-0.1%	0.7%	0.7%	
February, 2008	5325.1	131,462	136,787	0.1%	0.6%	0.6%	
March, 2008	5324.9	132,053	137,378	-0.8%	0.4%	0.3%	
April, 2008	5383.9	132,530	137,914	-0.6%	0.2%	0.1%	
May, 2008	5434.5	133,054	138,488	-0.7%	-0.1%	-0.1%	
June, 2008	5427.8	133,255	138,683	-1.2%	-0.3%	-0.4%	
July, 2008	5368.1	131,835	137,203	-1.0%	-0.4%	-0.4%	
August, 2008	5371.8	131,722	137,094	-1.2%	-0.6%	-0.6%	
September, 2008	5375.6	131,772	137,148	-1.4%	-0.9%	-0.9%	
October, 2008	5370.1	132,072	137,442	-1.7%	-1.2%	-1.3%	
November, 2008	5340.8	131,421	136,762	-2.6%	-1.9%	-2.0%	
December, 2008	5302.7	130,429	135,732	-3.1%	-2.5%	-2.6%	
January, 2009	5099.5	126,943	132,042	-4.1%	-3.1%	-3.1%	
February, 2009	5084.2	126,724	131,808	-4.5%	-3.6%	-3.6%	

<u>MONTH</u>	<u>OHIO JOBS</u>	<u>REST OF USA</u>	<u>USA JOBS</u>	<u>% INCR OHIO JOBS</u>	<u>% INCR REST OF USA</u>	<u>% INCR USA JOBS</u>	<u>* IF OHIO &gt; USA</u>
March, 2009	5078.2	126,597	131,675	-4.6%	-4.1%	-4.2%	
April, 2009	5093.5	126,766	131,859	-5.4%	-4.3%	-4.4%	
May, 2009	5118.8	127,014	132,133	-5.8%	-4.5%	-4.6%	
June, 2009	5091.5	126,859	131,950	-6.2%	-4.8%	-4.9%	
July, 2009	5036.3	125,317	130,353	-6.2%	-4.9%	-5.0%	
August, 2009	5033.6	125,197	130,231	-6.3%	-5.0%	-5.0%	
September, 2009	5053.6	125,536	130,590	-6.0%	-4.7%	-4.8%	
October, 2009	5066.6	126,121	131,188	-5.7%	-4.5%	-4.6%	
November, 2009	5063.3	126,172	131,235	-5.2%	-4.0%	-4.0%	
December, 2009	5050.6	125,639	130,690	-4.8%	-3.7%	-3.7%	
January, 2010	4905.0	122,915	127,820	-3.8%	-3.2%	-3.2%	
February, 2010	4910.5	123,345	128,255	-3.4%	-2.7%	-2.7%	
March, 2010	4945.3	124,144	129,089	-2.6%	-1.9%	-2.0%	
April, 2010	5022.8	125,189	130,212	-1.4%	-1.2%	-1.2%	
May, 2010	5080.9	126,247	131,328	-0.7%	-0.6%	-0.6%	
June, 2010	5076.8	126,371	131,448	-0.29%	-0.38%	-0.38%	*
July, 2010	5043.7	125,067	130,111	0.15%	-0.20%	-0.19%	*
August, 2010	5047.4	125,128	130,175	0.27%	-0.06%	-0.04%	*
September, 2010	5069.4	125,599	130,668	0.31%	0.05%	0.06%	*
October, 2010	5,106.6	126,534	131,641	0.79%	0.33%	0.35%	*
November, 2010	5,116.5	126,831	131,947	1.05%	0.52%	0.54%	*
December, 2010	5,106.7	126,534	131,641	1.11%	0.71%	0.73%	*
January, 2011	4,959.3	123,819	128,778	1.11%	0.74%	0.75%	*
February, 2011	4,981.3	124,611	129,592	1.44%	1.03%	1.04%	*
March, 2011	5,015.2	125,483	130,498	1.41%	1.08%	1.09%	*
April, 2011	5,092.4	126,623	131,715	1.39%	1.14%	1.15%	*
May, 2011	5,133.1	127,266	132,399	1.03%	0.81%	0.82%	*
June, 2011	5,131.7	127,757	132,889	1.08%	1.10%	1.10%	*
July, 2011	5,128.2	126,487	131,615	1.68%	1.13%	1.16%	*
August, 2011	5,145.4	126,745	131,890	1.94%	1.29%	1.32%	*
September, 2011	5,158.8	127,477	132,636	1.76%	1.50%	1.51%	*
October, 2011	5,172.9	128,385	133,558	1.30%	1.46%	1.46%	*
November, 2011	5,192.5	128,701	133,893	1.49%	1.47%	1.47%	*
December, 2011	5,184.5	128,534	133,718	1.52%	1.58%	1.58%	*
January, 2012	5,050.9	126,062	131,113	1.85%	1.81%	1.81%	*
February, 2012	5,082.6	126,984	132,067	2.03%	1.90%	1.91%	*
March, 2012	5,130.0	127,841	132,971	2.29%	1.88%	1.90%	*
April, 2012	5,188.9	128,665	133,854	1.89%	1.61%	1.62%	*
May, 2012	5,247.3	129,420	134,667	2.22%	1.69%	1.71%	*
June, 2012	5,248.8	129,756	135,005	2.28%	1.56%	1.59%	*
July, 2012	5,210.5	128,584	133,794	1.60%	1.66%	1.66%	
August, 2012	5,223.8	128,951	134,175	1.52%	1.74%	1.73%	
September, 2012	5,232.8	129,569	134,802	1.43%	1.64%	1.63%	
October, 2012	5,265.5	130,384	135,649	1.79%	1.56%	1.57%	*
November, 2012	5,276.1	130,762	136,038	1.61%	1.60%	1.60%	*
December, 2012	5,263.9	130,700	135,964	1.53%	1.69%	1.68%	
January, 2013	5,113.6	127,967	133,081	1.24%	1.51%	1.50%	

<u>MONTH</u>	<u>OHIO</u> <u>JOBS</u>	<u>REST OF</u> <u>USA</u>	<u>USA</u> <u>JOBS</u>	<u>%</u> <u>INCR</u> <u>OHIO</u> <u>JOBS</u>	<u>%</u> <u>INCR</u> <u>REST OF</u> <u>USA</u>	<u>%</u> <u>INCR</u> <u>USA</u> <u>JOBS</u>	<u>*</u> <u>IF</u> <u>OHIO &gt;</u> <u>USA</u>
February, 2013	5,143.0	128,977	134,120	1.19%	1.57%	1.55%	
March, 2013	5,171.8	129,747	134,919	0.81%	1.49%	1.46%	
April, 2013	5,248.8	130,674	135,923	1.15%	1.56%	1.55%	
May, 2013	5,317.3	131,499	136,816	1.33%	1.61%	1.60%	
June, 2013	5,303.6	131,922	137,226	1.04%	1.67%	1.65%	
July, 2013	5,275.8	130,776	136,052	1.25%	1.71%	1.69%	
August, 2013	5,297.0	131,192	136,489	1.40%	1.74%	1.72%	
September, 2013	5,303.7	131,793	137,097	1.35%	1.72%	1.70%	
October, 2013	5,330.9	132,688	138,019	1.24%	1.77%	1.75%	
November, 2013	5,355.1	133,188	138,543	1.50%	1.86%	1.84%	
December, 2013	5,341.1	132,951	138,292	1.47%	1.72%	1.71%	
January, 2014	5,180.4	130,308	135488	1.31%	1.83%	1.81%	
February, 2014	5,204.0	131,026	136230	1.19%	1.59%	1.57%	
March, 2014	5,238.6	131,948	137187	1.29%	1.70%	1.68%	
April, 2014	5,319.2	133,006	138325	1.34%	1.78%	1.77%	
May, 2014	5,391.3	133,846	139237	1.39%	1.78%	1.77%	
June, 2014	5,379.1	134,445	139824	1.42%	1.91%	1.89%	
July, 2014	5,348.5	133,397	138745	1.38%	2.00%	1.98%	
August, 2014	5,378.8	133,746	139125	1.54%	1.95%	1.93%	
September, 2014	5,385.1	134,427	139812	1.53%	2.00%	1.98%	
October, 2014	5,423.5	135,443	140866	1.74%	2.08%	2.06%	
November, 2014	5,442.3	135,889	141331	1.63%	2.03%	2.01%	
December, 2014	5,437.9	135,889	141327	1.81%	2.21%	2.19%	
January, 2015	5,273.5	133,238	138511	1.80%	2.25%	2.23%	
February, 2015	5,295.7	134,047	139343	1.76%	2.31%	2.29%	
March, 2015	5,322.4	134,777	140099	1.60%	2.14%	2.12%	
April, 2015	5,402.9	135,880	141283	1.57%	2.16%	2.14%	
May, 2015	5,474.0	136,750	142224	1.53%	2.17%	2.15%	
June, 2015	5,460.7	137,240	142701	1.52%	2.08%	2.06%	
July, 2015	5,445.8	136,301	141747	1.82%	2.18%	2.16%	
August, 2015	5,456.4	136,483	141939	1.44%	2.05%	2.02%	
September, 2015	5,453.3	137,044	142497	1.27%	1.95%	1.92%	
October, 2015	5,493.8	138,151	143645	1.30%	2.00%	1.97%	
November, 2015	5,505.2	138,561	144066	1.16%	1.97%	1.94%	
December, 2015	5,498.8	138,564	144063	1.12%	1.97%	1.94%	
January, 2016	5,353.6	135,734	141088	1.52%	1.87%	1.86%	
February, 2016	5,375.9	136,543	141919	1.51%	1.86%	1.85%	
March, 2016	5,408.1	137,406	142814	1.61%	1.95%	1.94%	
April, 2016	5,477.7	138,416	143894	1.38%	1.87%	1.85%	
May, 2016	5,523.2	139,002	144525	0.90%	1.65%	1.62%	
June, 2016	5,506.7	139,675	145182	0.84%	1.77%	1.74%	
July, 2016	5,504.5	138,699	144203	1.08%	1.76%	1.73%	
August, 2016	5,510.2	138,931	144441	0.99%	1.79%	1.76%	
September, 2016	5,513.9	139,570	145084	1.11%	1.84%	1.82%	
October, 2016	5,539.2	140,430	145969	0.83%	1.65%	1.62%	
November, 2016	5,542.4	140,851	146393	0.68%	1.65%	1.62%	
December, 2016	5,515.8	140,642	146158	0.31%	1.50%	1.45%	

<u>MONTH</u>	<u>OHIO</u> <u>JOBS</u>	<u>REST OF</u> <u>USA</u>	<u>USA</u> <u>JOBS</u>	<u>%</u> <u>INCR</u> <u>OHIO</u> <u>JOBS</u>	<u>%</u> <u>INCR</u> <u>REST OF</u> <u>USA</u>	<u>%</u> <u>INCR</u> <u>USA</u> <u>JOBS</u>	<u>*</u> <u>IF</u> <u>OHIO &gt;</u> <u>USA</u>
January, 2017	5,380.4	140,161	145541	0.50%	3.26%	3.16%	
February, 2017	5,422.2	140,351	145773	0.86%	2.79%	2.72%	
March, 2017	5,452.7	140,399	145852	0.82%	2.18%	2.13%	
April, 2017	5,510.5	140,553	146063	0.60%	1.54%	1.51%	

Source: US Department of Labor, ODJFS, and George Zeller

**Monthly Job Growth in Ohio 2006-2017**  
**Thousands of Jobs; Seasonally Adjusted**  
**Incorporates Numerous Revisions Released in March 2017, through February 2017**  
**Source: ODJFS CES and George Zeller**

<u>MONTH</u>	<u>YEAR</u>	<u>OHIO TOTAL EMPLOYMENT</u>	<u>ONE MONTH CHANGE</u>	
nov	2005	5439.1		
dec	2005	5434.5	-4.6	
jan	2006	5443.9	9.4	
feb	2006	5446.9	3	
mar	2006	5453.9	7	
apr	2006	5449.2	-4.7	
may	2006	5440.2	-9	
jun	2006	5437.5	-2.7	
jul	2006	5432.5	-5	
aug	2006	5430.4	-2.1	
sep	2006	5428.1	-2.3	
oct	2006	5423.4	-4.7	
nov	2006	5420	-3.4	<b><u>2006</u></b>
dec	2006	5426.1	6.1	-8.4
jan	2007	5435.8	9.7	
feb	2007	5417.9	-17.9	
mar	2007	5432.1	14.2	
apr	2007	5433.6	1.5	
may	2007	5434.8	1.2	
june	2007	5440.1	5.3	
july	2007	5428.4	-11.7	
aug	2007	5421.7	-6.7	
sep	2007	5417.1	-4.6	
oct	2007	5420.6	3.5	
nov	2007	5422.4	1.8	<b><u>2007</u></b>
dec	2007	5418.1	-4.3	-8
jan	2008	5428.4	10.3	
feb	2008	5424.3	-4.1	
mar	2008	5389.8	-34.5	
apr	2008	5399.2	9.4	
may	2008	5388.7	-10.5	
jun	2008	5382.5	-6.2	
jul	2008	5370.7	-11.8	
aug	2008	5358.9	-11.8	
sep	2008	5342.6	-16.3	
oct	2008	5315.6	-27	
nov	2008	5284.7	-30.9	<b><u>2008</u></b>
dec	2008	5255.5	-29.2	-162.6
jan	2009	5207	-48.5	
feb	2009	5178.6	-28.4	
mar	2009	5139.4	-39.2	
apr	2009	5094.6	-44.8	
may	2009	5074	-20.6	



jun	2009	5048.9	-25.1	
jul	2009	5036.9	-12	
aug	2009	5026.7	-10.2	
sep	2009	5026.3	-0.4	
oct	2009	5015.2	-11.1	
nov	2009	5011.7	-3.5	<b><u>2009</u></b>
dec	2009	5008.1	-3.6	-247.4
jan	2010	5008.5	0.4	
feb	2010	5002.8	-5.7	
mar	2010	5008.9	6.1	
apr	2010	5021.6	12.7	
may	2010	5037	15.4	
june	2010	5038.2	1.2	
july	2010	5042.9	4.7	
aug	2010	5038.5	-4.4	
sep	2010	5039.8	1.3	
oct	2010	5055.4	15.6	
nov	2010	5062	6.6	<b><u>2010</u></b>
dec	2010	5066.9	4.9	58.8
jan	2011	5068.3	1.4	
feb	2011	5077.2	8.9	
mar	2011	5084	6.8	
apr	2011	5096.9	12.9	
may	2011	5089.8	-7.1	
june	2011	5088	-1.8	
july	2011	5122.1	34.1	
aug	2011	5128	5.9	
sep	2011	5127.4	-0.6	
oct	2011	5123.5	-3.9	
nov	2011	5138.9	15.4	<b><u>2011</u></b>
dec	2011	5145.5	6.6	78.6
jan	2012	5163.3	17.8	
feb	2012	5179.8	16.5	
mar	2012	5200.2	20.4	
apr	2012	5193.4	-6.8	
may	2012	5202.1	8.7	
jun	2012	5212.9	10.8	
jul	2012	5200.3	-12.6	
aug	2012	5203.3	3	
sep	2012	5207.5	4.2	
oct	2012	5219.5	12	
nov	2012	5216.6	-2.9	<b><u>2012</u></b>
dec	2012	5221.3	4.7	75.8
jan	2013	5227.3	6	
feb	2013	5240.1	12.8	
mar	2013	5243.2	3.1	
apr	2013	5253.2	10	
may	2013	5259.8	6.6	
jun	2013	5265.3	5.5	
jul	2013	5263.6	-1.7	
aug	2013	5274.7	11.1	
sep	2013	5281.7	7	

oct	2013	5285.8	4.1	
nov	2013	5294.3	8.5	<b><u>2013</u></b>
dec	2013	5297.3	3	76
jan	2014	5296.2	-1.1	
feb	2014	5303.4	7.2	
mar	2014	5312.1	8.7	
apr	2014	5323.6	11.5	
may	2014	5332.1	8.5	
jun	2014	5340.6	8.5	
jul	2014	5335.3	-5.3	
aug	2014	5354.5	19.2	
sep	2014	5365.7	11.2	
oct	2014	5374.1	8.4	
nov	2014	5386.1	12	<b><u>2014</u></b>
dec	2014	5393.3	7.2	96
jan	2015	5390.1	-3.2	
feb	2015	5395.7	5.6	
mar	2015	5396.3	0.6	
apr	2015	5402	5.7	
may	2015	5424.4	22.4	
june	2015	5423.1	-1.3	
jul	2015	5430.1	7	
aug	2015	5435.3	5.2	
sep	2015	5436.2	0.9	
oct	2015	5444.8	8.6	
nov	2015	5448.9	4.1	<b><u>2015</u></b>
dec	2015	5454	5.1	60.7
jan	2016	5470.5	16.5	
feb	2016	5476.6	6.1	
mar	2016	5482.2	5.6	
apr	2016	5476.9	-5.3	
may	2016	5474.3	-2.6	
jun	2016	5472	-2.3	
jul	2016	5490.6	18.6	
aug	2016	5488.1	-2.5	
sep	2016	5495.4	7.3	
oct	2016	5491.5	-3.9	
nov	2016	5501.2	9.7	<b><u>2016</u></b>
dec	2016	5503.7	2.5	49.7
jan	2017	5506.8	3.1	
feb	2017	5522.8	16	
mar	2017	5518.5	-4.3	<b><u>2017</u></b>
apr	2017	5512.8	-5.7	9.1