

Key Labor Market and Economic Metrics



November Update

Incorporates Data Available on November 23rd, 2016

This reference is the result of a collaboration between the Bureau of Labor Market Information and Strategic Initiatives and the Treasury's Office of Revenue and Tax Analysis. For more information on this publication or the data presented, please contact the Bureau of Labor Market Information and Strategic Initiatives at (517) 335-5267 or the Office of Revenue and Tax Analysis at (517) 373-2697.

SUMMARY OF KEY LABOR MARKET AND ECONOMIC METRICS

Metrics	Latest Level	Chg From Prev. Mnth	Chg From Yr. Ago	Chg From Dec-10	Chg From Jul-09	U.S. Current Average	Worst State	Best State	Rankings: Annual 1990 to 2015							
									2015 Rank	Best Rank	Best Date	Worst Rank	Worst Date	Best Since	Date	
MI Unemployment Rate	4.7%	0.1	-0.4	-6.5	-10.0	4.9%	6.8%	2.8%	29	18	1997	50	2006-2009			
MI Labor Force Participation Rate	61.2%	0.3	0.9	-0.5	-2.3	62.8%	53.6%	71.3%	40	22	2000	43	2011-2012	40	2009	
MI Labor Underutilization (U-6)	10.4%	-0.4 / Qtr.	-1.6 / Qtr.	-9.8 / Qtr.	-9.7 / Qtr.	9.8%	13.0%	4.8%	40	35	2016	50	2005-2009			
Initial Claims for U.I. Benefits	8,976	-35	-215	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Online Job Ads	152,918	7,426	-35,188	56,406	84,526	NA	NA	NA	NA	NA	NA	NA	NA			
MI Payroll Jobs	4,360,600	18,900	94,300	465,700	531,100	NA	NA	NA	9	8	Several	11	2009			
MI Private Payroll Jobs	3,757,200	19,400	88,300	487,900	571,400	NA	NA	NA	8	8	Several	9	2009			
MI Government Jobs	603,400	-500	6,000	-22,200	-40,300	NA	NA	NA	12	8	1990-2005	12	2009-2013			
MI Avg. Hourly Earnings(1)	\$20.44	\$0.32	-\$0.17	NA	NA	NA	NA	NA	NA	NA						
U.S. Retail Sales (\$ billions)	\$465.9	0.8%	4.3%	26.2%	36.9%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
U.S. Light Vehicle Sales (mill.)	17.9	0.2	-0.1	5.5	6.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MI Motor Vehicle Production	197,808	-11,168	-2,827	94,909	130,880	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MI Building Permits for Housing Starts	24,787	586	7,969	15,747	17,059	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Home Price Index, Detroit(2)	106.90	-0.1%	5.8%	57.7%	54.2%	202.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MI Per Capita Personal Income	\$42,812	NA	4.1%	NA	NA	\$48,112	\$34,771	\$68,704	32	16	1999,2000	40	2009	26	2005	
MI Population	9,922,576	NA	0.1%	NA	NA	NA	NA	NA	10	8	1990-2011	10	2014-2014			
MI GDP as % of U.S. GDP	2.62%	NA	0.02%	NA	NA	NA	0.17%	13.79%	13	9	1990-2005	13	2009-2015			
MI Real GDP Per Capita	\$42,226	NA	1.3%	NA	NA	\$49,844	\$31,894	\$66,835	39	20	1999	43	2009	39	2014	

(1) Production Workers, Manufacturing

(2) For Index, CY 2000 = 100

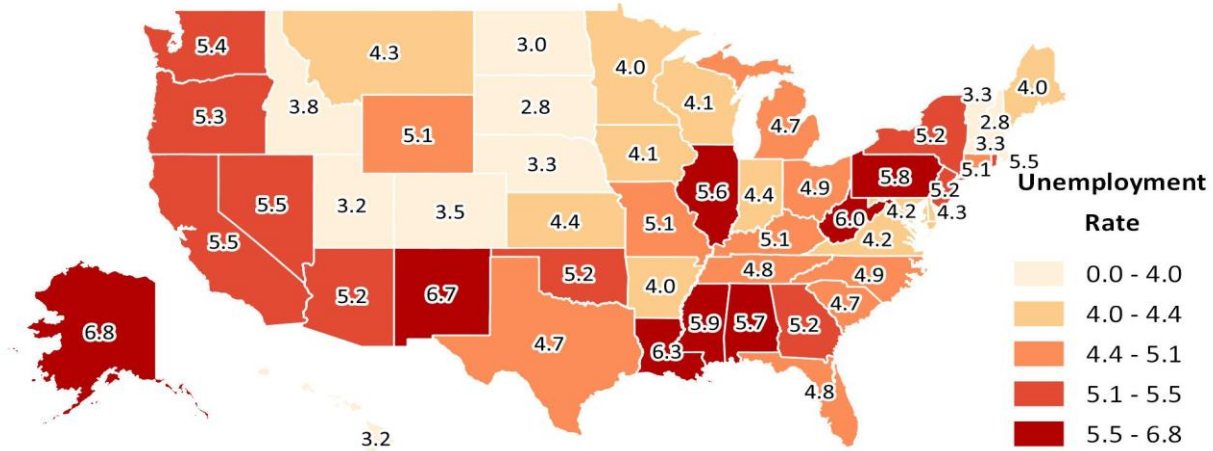
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UNEMPLOYMENT RATE COMPARISONS

October 2016

Last Update: 11/23/16

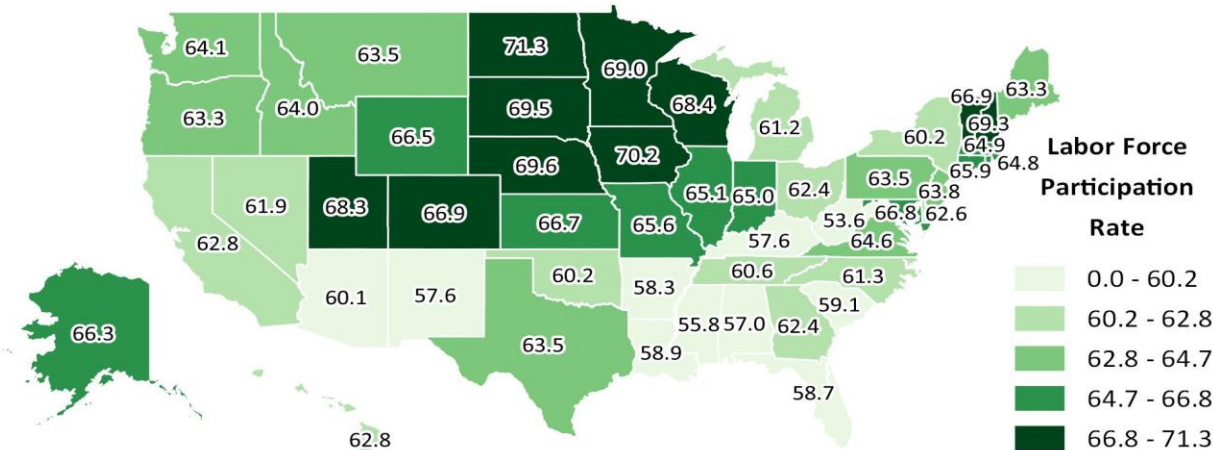


Summary: October 2016		Highlights
MI Rank	22	Michigan's unemployment rate stands at 4.7 percent. Michigan's ranking among the states registered 22nd out of 50. Since October 2015, Michigan's ranking has improved by three spots.
Δ / month	Unchanged	
Δ / year	Down 3	

LABOR FORCE PARTICIPATION RATE COMPARISONS

October 2016

Last Update: 11/23/16



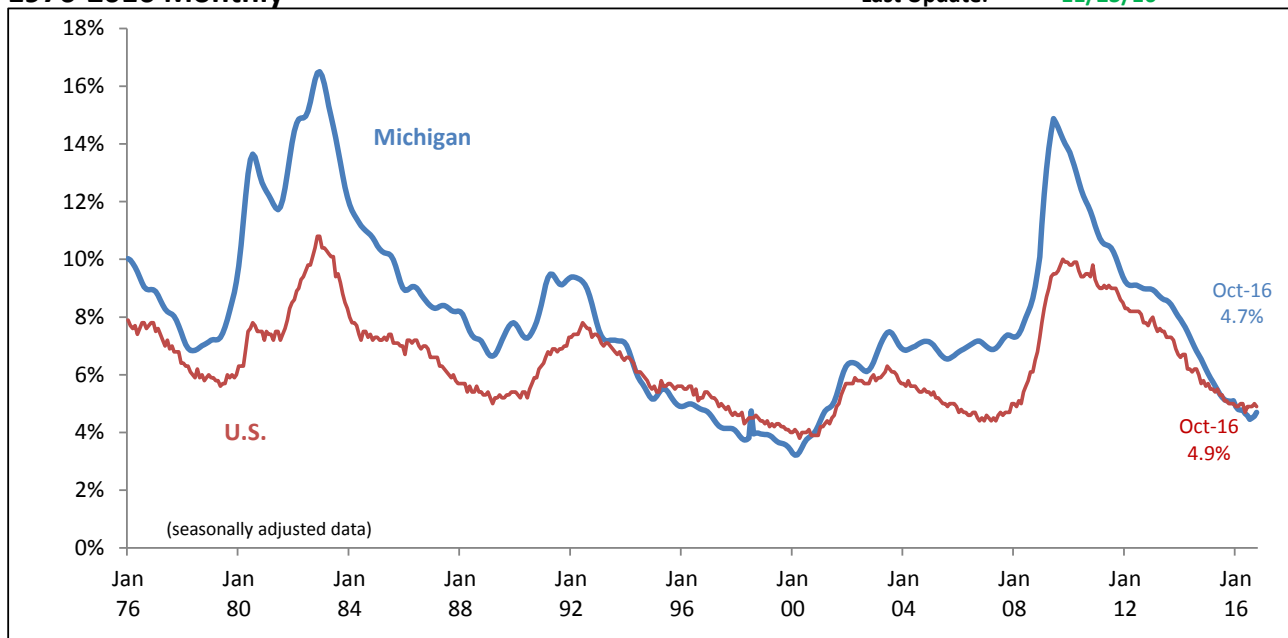
Summary: October 2016		Highlights
MI Rank	37	Michigan's labor force participation rate stands at 61.2 percent in September, ranking 37th out of 50. Michigan's rank improved by two spots compared to October 2015.
Δ / month	Unchanged	
Δ / year	Down 2	

Source: Bureau of Labor Market Information, Current Population Survey (CPS)

UNEMPLOYMENT RATE

1976-2016 Monthly

Last Update: 11/23/16



1990 to 2015 Annual Averages

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	7.6%	9.2%	9.0%	7.2%	6.0%	5.3%	4.9%	4.3%	3.9%	3.7%	3.6%	5.2%	6.3%
U.S.	5.6%	6.8%	7.5%	6.9%	6.1%	5.6%	5.4%	4.9%	4.5%	4.2%	4.0%	4.7%	5.8%
Rank	48	49	48	37	31	27	19	18	19	21	17	39	42

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	7.2%	7.0%	6.8%	7.0%	7.0%	8.0%	13.7%	12.6%	10.4%	9.1%	8.8%	7.3%	5.4%
U.S.	6.0%	5.5%	5.1%	4.6%	4.6%	5.8%	9.3%	9.6%	8.9%	8.1%	7.4%	6.2%	5.3%
Rank	47	48	47	50	50	50	50	49	46	43	46	46	29

2015 & 2016 Monthly Detail (percent of labor force)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	6.0%	5.9%	5.8%	5.6%	5.5%	5.3%	5.2%	5.1%	5.1%	5.1%	5.1%	5.1%
U.S.	5.7%	5.5%	5.5%	5.4%	5.5%	5.3%	5.3%	5.1%	5.1%	5.0%	5.0%	5.0%
Rank	36	33	28	27	29	28	26	24	24	25	29	29

	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16
MI	4.9%	4.8%	4.8%	4.8%	4.7%	4.6%	4.5%	4.5%	4.6%	4.7%
U.S.	4.9%	4.9%	5.0%	5.0%	4.7%	4.9%	4.9%	4.9%	5.0%	4.9%
Rank	27	27	27	27	25	24	22	22	22	22

Summary: October 2016

Rate	4.7%
Δ / month	▲ 0.1
Δ / year	▲ -0.4
MI Rank	22

Highlights

Michigan's seasonally adjusted unemployment rate rose to 4.7 percent. At its current level, Michigan's jobless rate is lower by 6.5 percentage points since December 2010, and has dropped 0.4 percentage points over the year.

Source: Bureau of Labor Market Information, Local Area Unemployment Statistics (LAUS)

UNEMPLOYMENT RATE (Historical)

	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06
MI	6.8%	6.8%	6.9%	6.9%	7.0%	7.0%	7.1%	7.1%	7.2%	7.2%	7.1%	7.0%
U.S.	4.7%	4.8%	4.7%	4.7%	4.6%	4.6%	4.7%	4.7%	4.5%	4.4%	4.5%	4.4%
	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07
MI	7.0%	6.9%	6.9%	6.9%	6.9%	7.0%	7.1%	7.2%	7.3%	7.4%	7.4%	7.3%
U.S.	4.6%	4.5%	4.4%	4.5%	4.4%	4.6%	4.7%	4.6%	4.7%	4.7%	4.7%	5.0%
	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
MI	7.3%	7.3%	7.4%	7.6%	7.8%	8.0%	8.2%	8.4%	8.7%	9.0%	9.5%	10.1%
U.S.	5.0%	4.9%	5.1%	5.0%	5.4%	5.6%	5.8%	6.1%	6.1%	6.5%	6.8%	7.3%
	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09
MI	11.2%	12.2%	13.1%	13.8%	14.4%	14.9%	14.7%	14.6%	14.4%	14.2%	14.0%	13.9%
U.S.	7.8%	8.3%	8.7%	9.0%	9.4%	9.5%	9.5%	9.6%	9.8%	10.0%	9.9%	9.9%
	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10
MI	13.7%	13.5%	13.3%	13.0%	12.7%	12.4%	12.2%	12.0%	11.9%	11.7%	11.4%	11.2%
U.S.	9.8%	9.8%	9.9%	9.9%	9.6%	9.4%	9.4%	9.5%	9.5%	9.4%	9.8%	9.3%
	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
MI	10.9%	10.7%	10.6%	10.5%	10.5%	10.5%	10.4%	10.3%	10.1%	9.8%	9.6%	9.4%
U.S.	9.1%	9.0%	9.0%	9.1%	9.0%	9.1%	9.0%	9.0%	9.0%	8.8%	8.6%	8.5%
	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
MI	9.2%	9.1%	9.1%	9.1%	9.1%	9.1%	9.1%	9.0%	9.0%	9.0%	9.0%	9.0%
U.S.	8.3%	8.3%	8.2%	8.2%	8.2%	8.2%	8.2%	8.1%	7.8%	7.8%	7.7%	7.9%
	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
MI	8.9%	8.9%	8.8%	8.7%	8.6%	8.6%	8.6%	8.5%	8.4%	8.3%	8.2%	8.0%
U.S.	8.0%	7.7%	7.5%	7.6%	7.5%	7.5%	7.3%	7.3%	7.3%	7.2%	6.9%	6.7%
	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
MI	7.9%	7.8%	7.7%	7.5%	7.3%	7.1%	7.0%	6.8%	6.7%	6.5%	6.4%	6.2%
U.S.	6.6%	6.7%	6.7%	6.2%	6.2%	6.1%	6.2%	6.2%	6.0%	5.7%	5.8%	5.6%

Change from July 2009 -10.0 Percentage Points

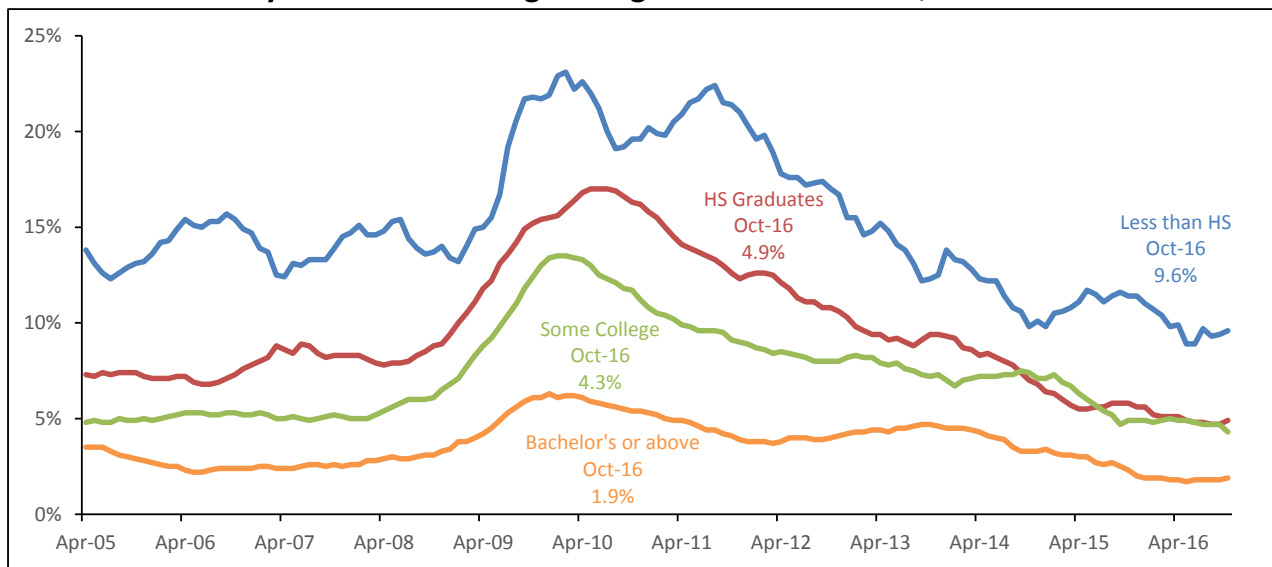
Change from December 2010 -6.5 Percentage Points

Source: Bureau of Labor Market Information, Local Area Unemployment Statistics (LAUS)

UNEMPLOYMENT RATE BY EDUCATION LEVEL

2005-2016 Monthly 12 Month Moving Average

Last Update: 11/23/16



2005 to 2015 Annual Averages

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Less than HS	13.6%	14.7%	14.7%	13.4%	21.9%	20.2%	20.3%	15.5%	15.5%	9.8%	11.0%
HS Graduates	7.1%	7.8%	8.3%	9.4%	15.5%	15.8%	12.5%	10.3%	10.3%	6.4%	5.6%
Some college	4.9%	5.2%	5.0%	6.8%	13.4%	10.8%	8.9%	8.2%	8.2%	7.1%	4.9%
Bachelor's or above	2.7%	2.4%	2.6%	3.4%	6.3%	5.3%	3.8%	4.2%	4.2%	3.4%	1.9%

2015 & 2016 Monthly Detail

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
Less than HS	10.5%	10.6%	10.8%	11.1%	11.7%	11.5%	11.1%	11.4%	11.6%	11.4%	11.4%	11.0%
HS Graduates	6.3%	6.0%	5.7%	5.5%	5.5%	5.6%	5.6%	5.8%	5.8%	5.8%	5.6%	5.6%
Some college	7.3%	6.9%	6.7%	6.3%	6.0%	5.7%	5.4%	5.2%	4.7%	4.9%	4.9%	4.9%
Bachelor's or above	3.2%	3.1%	3.1%	3.0%	3.0%	2.7%	2.6%	2.7%	2.5%	2.3%	2.0%	1.9%

	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16
Less than HS	10.7%	10.4%	9.8%	9.9%	8.9%	8.9%	9.7%	9.3%	9.4%	9.6%
HS Graduates	5.2%	5.1%	5.1%	5.1%	4.9%	4.8%	4.8%	4.7%	4.7%	4.9%
Some college	4.8%	4.9%	5.0%	4.9%	4.9%	4.8%	4.7%	4.7%	4.7%	4.3%
Bachelor's or above	1.9%	1.9%	1.8%	1.8%	1.7%	1.8%	1.8%	1.8%	1.8%	1.9%

Summary: October 2016

12 Month Moving Avg.	
Less than HS	9.6%
HS Graduates	4.9%
Some College	4.3%
Bachelor's or Above	1.9%

Highlights

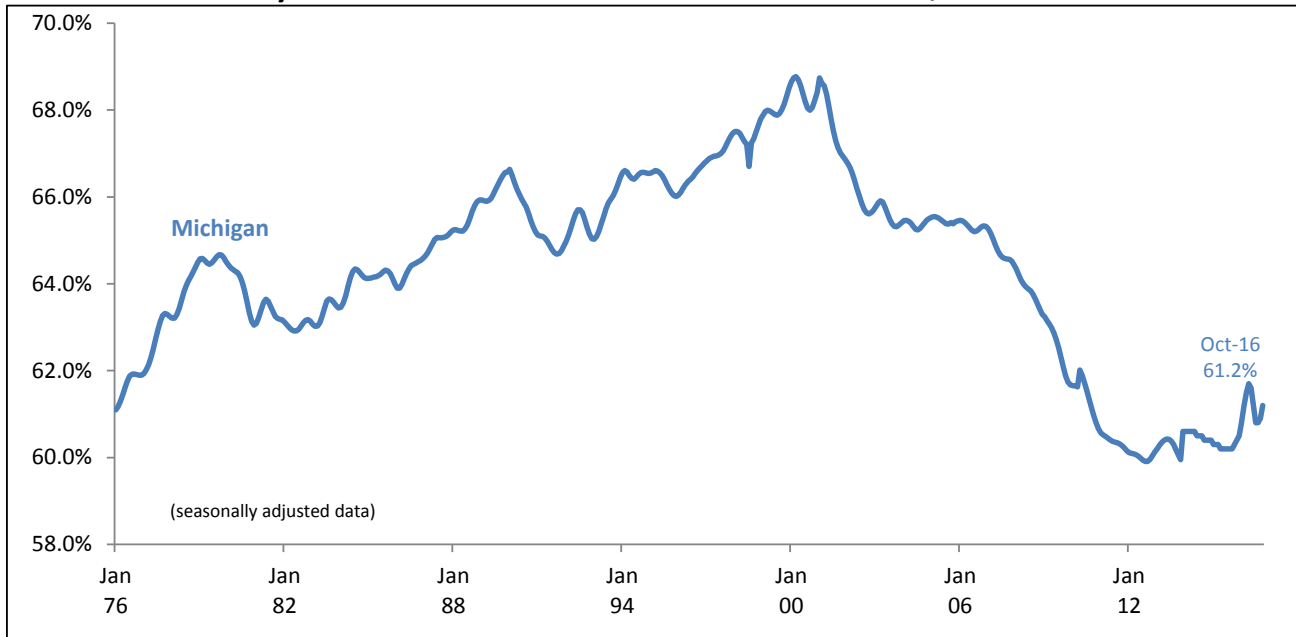
Since the October 2015 12-month moving average, the unemployment rates for those with less than a High School diploma and those with a High School diploma have significantly dropped, falling by 1.8 percent and 0.9 percent, respectively.

Source: U.S. Census Bureau, Current Population Survey (CPS)

LABOR FORCE PARTICIPATION RATE

1976-2016 Monthly

Last Update: 11/23/16



1990 to 2015 Annual Averages

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	65.7%	65.0%	65.6%	66.1%	66.5%	66.0%	66.3%	66.9%	67.5%	68.5%	68.7%	67.6%	65.8%
Rank	37	37	37	34	31	35	35	33	28	23	22	27	36
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	65.6%	65.7%	65.7%	65.4%	64.4%	63.3%	63.1%	62.0%	60.5%	60.0%	60.5%	60.6%	60.3%
Rank	35	34	33	35	37	41	39	40	43	43	40	40	40

2015 & 2016 Monthly Detail

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	60.3%	60.3%	60.3%	60.2%	60.2%	60.2%	60.2%	60.2%	60.2%	60.3%	60.4%	60.5%
Rank	37	38	41	41	41	40	40	40	40	39	39	39
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI	60.8%	61.2%	61.5%	61.7%	61.6%	61.2%	60.8%	60.8%	60.9%	61.2%		
Rank	39	39	39	37	38	38	38	37	37	37		

Summary: October 2016

Rate	61.2%
Δ / month	▲ 0.3
Δ / year	▲ 0.9

MI Rank 37

Highlights

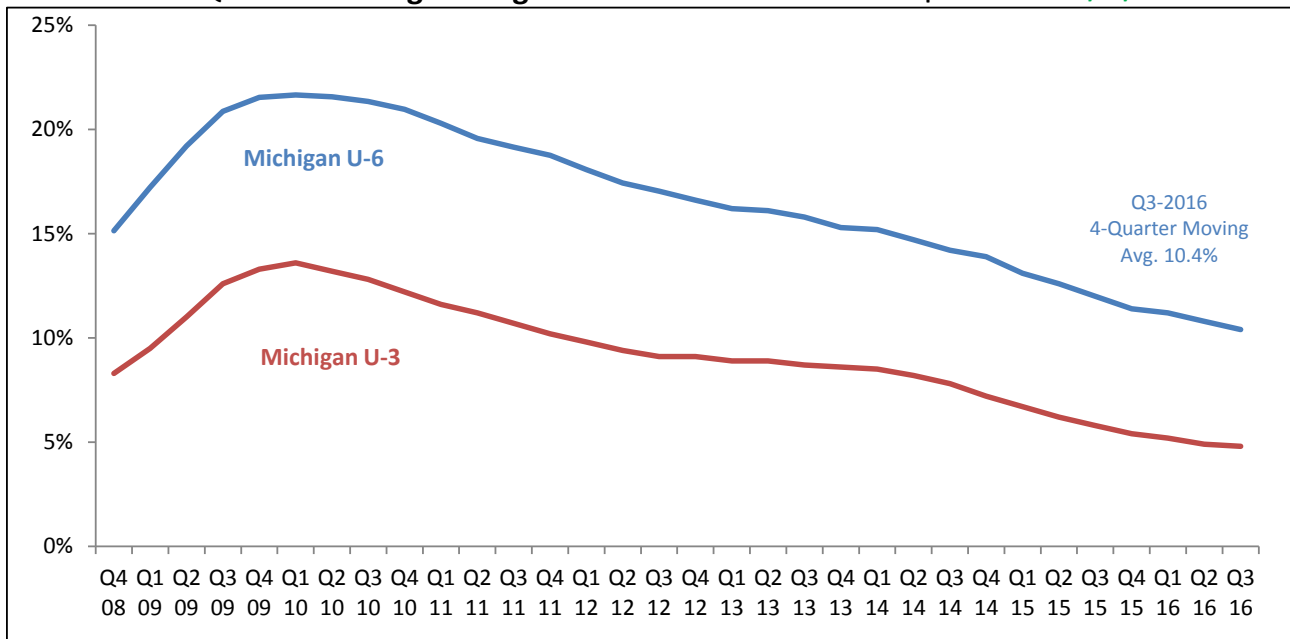
The labor force participation rate is a measure of the labor force as a percent of the 16+ civilian non-institutional population. During the latter half of the twentieth century, the labor force participation rate increased dramatically, largely driven by an increasing number of women joining the labor force. Since 2001, the rate has steadily declined, exacerbated by the 2001 and 2008 recessions. Over the month, the labor force participation rate increased by 0.3 percentage points, and it has risen by 0.9 percentage points over the year.

Source: Bureau of Labor Market Information, Local Area Unemployment Statistics (LAUS)

MEASURE OF LABOR UNDERUTILIZATION (U-6)

2008-2016 4-Quarter Moving Average

Last Update: 10/28/16



2003 to 2015 Annual Averages

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Rank

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	12.2%	12.1%	12.0%	12.2%	12.8%	15.1%	21.5%	21.0%	18.8%	16.6%	15.3%	13.9%	11.4%
Rank	47	48	50	50	50	50	50	48	48	45	44	46	40

2009 to 2016 4-Quarter Moving Average

	Q4-10	Q1-11	Q2-11	Q3-11	Q4-11	Q1-12	Q2-12	Q3-12	Q4-12	Q1-13	Q2-13	Q3-13
MI	21.0%	20.3%	19.6%	19.2%	18.8%	18.1%	17.4%	17.0%	16.6%	16.2%	16.1%	15.8%

	Q4-13	Q1-14	Q2-14	Q3-14	Q4-14	Q1-15	Q2-15	Q3-15	Q4-15	Q1-16	Q2-16	Q3-16
MI	15.3%	15.2%	14.7%	14.2%	13.9%	13.1%	12.6%	12.0%	11.4%	11.2%	10.8%	10.4%

Summary: 2016 Q3

4-Qtr Mov. Avg.		10.4%
Δ / Qtr.	▲	-0.4
Δ / year	▲	-1.6

MI Rank 35

Highlights

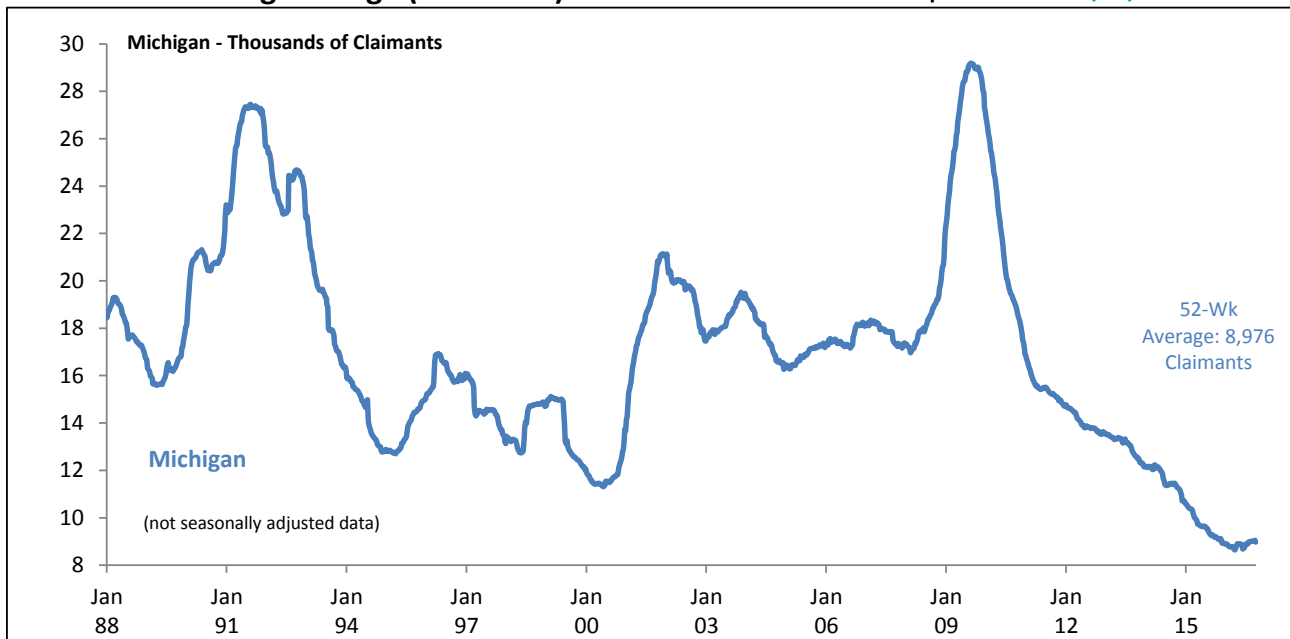
The U-6 is an alternative measure of labor underutilization. The U-6 includes the total unemployed, plus all marginally attached workers (individuals who have given-up looking for work), plus total employed part time for economic reasons, as a percent of the civilian labor force plus all marginally attached workers. By definition, the U-6 is higher than the U-3, the official unemployment rate. In Michigan, the U-6 measured 10.4 percent for the twelve month period ending in the second quarter of 2016, the lowest rate since before the beginning of the Great Recession. The U-6 for the U.S. is 9.8 percent.

Source: Bureau of Labor Market Information, Current Population Survey (CPS)

INITIAL CLAIMS FOR UNEMPLOYMENT BENEFITS

1988-2016 Moving Average (52 Weeks)

Last Update: 11/23/16



1990 to 2015 Annual Totals (thousands of claimants)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	1,207	1,335	1,181	851	694	781	837	686	765	629	742	1,096	913
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	1,004	846	942	947	903	1,075	1,456	910	802	709	639	557	464

2015 & 2016 Moving Average (52 Week) in Last Week of Month (thousands of claimants)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	10.57	10.40	10.31	9.97	9.70	9.63	9.63	9.37	9.28	9.19	9.08	8.93
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI	8.90	8.79	8.78	8.71	8.90	8.87	8.88	8.99	9.01	8.98		

Summary: October 2016

52 Week Avg.	8,976
#Δ / month	-35
%Δ / month	▲ -0.4%
#Δ / year	-215
%Δ / year	● -2.3%

Highlights

There were 7,026 initial claims filed for state unemployment insurance benefits for the week of October 22nd to October 29th.

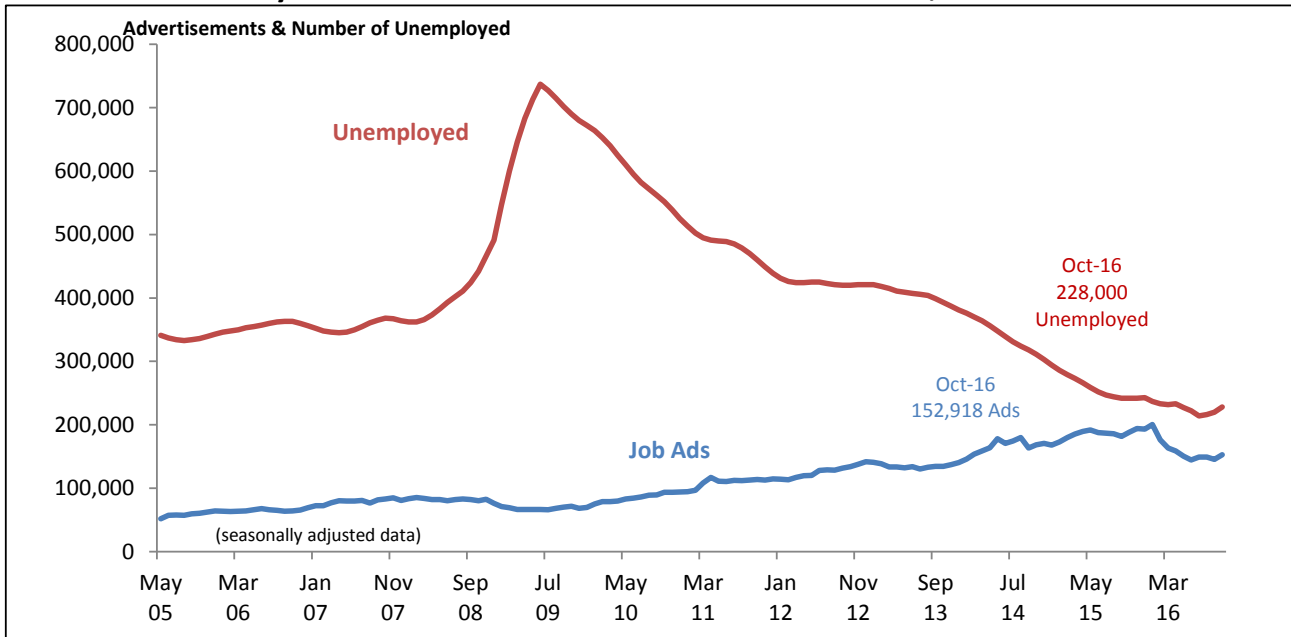
The 52 week moving average, which offers a better picture of the trend in initial claims, measured 8,976, which was a 35 claimant increase over the month. Since October 2015, the 52 week moving average is 2.3 percent lower.

Source: U.S. Department of Labor, Employment and Training Administration (ETA)

ONLINE JOB ADVERTISEMENTS vs. UNEMPLOYED

2005-2016 Monthly

Last Update: **11/23/16**



1990 to 2015 Annual Averages (thousands of advertisements / individuals)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Ads	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Unemp.	351.0	423.0	420.0	342.0	288.0	254.0	239.0	211.0	195.0	190.0	186.0	265.0	315.0

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Ads	n/a	n/a	60.7	65.3	79.3	82.0	68.4	85.8	110.1	126.5	135.0	166.8	181.8
Unemp.	361.0	357.0	344.0	356.0	352.0	392.0	670.0	605.0	487.0	426.0	418.0	346.0	258.0

2015 & 2016 Monthly Detail (thousands of advertisements / individuals)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
Ads	172.9	179.8	185.4	189.4	191.6	187.7	186.8	185.7	181.8	188.1	194.0	193.3
Unemp.	286.0	279.0	273.0	266.0	259.0	252.0	247.0	244.0	242.0	242.0	242.0	243.0

	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16
Ads	200.4	176.3	163.4	158.7	150.6	144.6	149.2	149.2	145.5	152.9
Unemp.	237.0	233.0	232.0	233.0	227.0	222.0	214.0	216.0	220.0	228.0

Summary: October 2016

Job Ads	152,918
#Δ / month	● 7,426
#Δ / year	◆ -35,188

Highlights

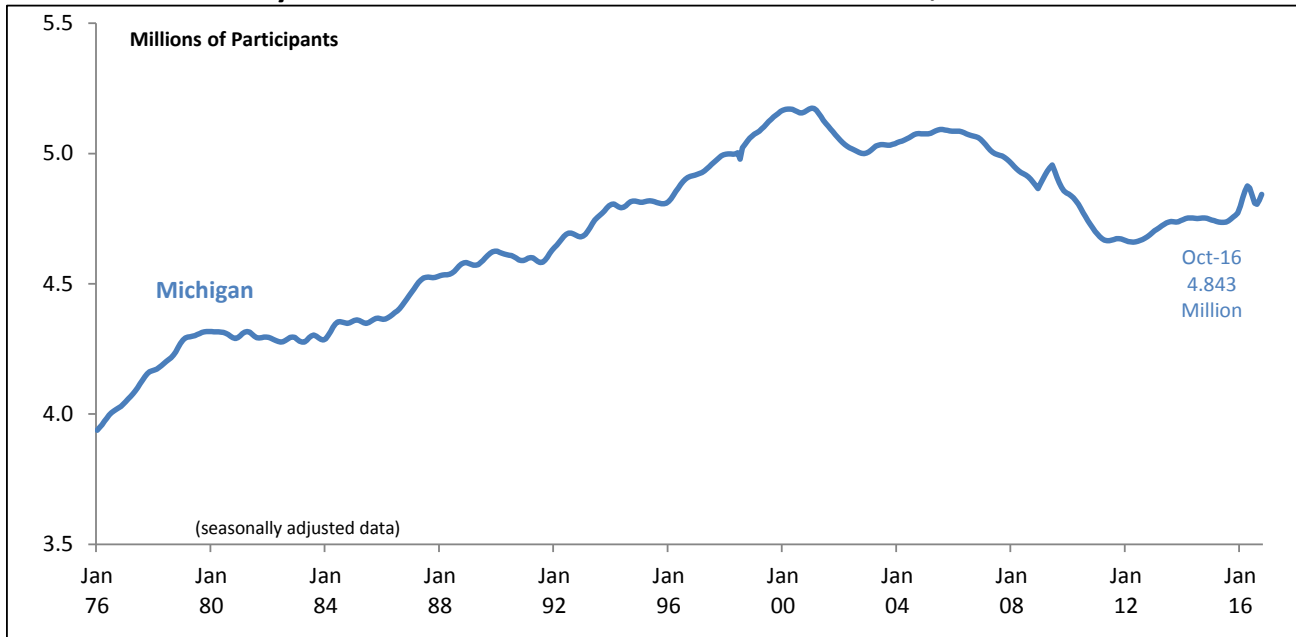
According to The Conference Board's Help Wanted Online Data Series, Michigan's seasonally adjusted online advertised job postings measured 152,918 in October. This value is an increase of 7,426 ads over the month. Since October 2015, ads have decreased by 35,188.

Source: Bureau of Labor Market Information / The Conference Board, Help Wanted Online Data Series

LABOR FORCE

1976-2016 Monthly

Last Update: **11/23/16**



1990 to 2015 Annual Averages (millions of participants)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	4.607	4.596	4.678	4.742	4.808	4.813	4.878	4.955	5.020	5.116	5.163	5.120	5.017
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	5.028	5.062	5.083	5.077	5.011	4.921	4.904	4.799	4.685	4.672	4.730	4.754	4.751

2015 & 2016 Monthly Detail (millions of participants)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	4.745	4.742	4.739	4.737	4.736	4.736	4.737	4.741	4.748	4.756	4.763	4.771
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI	4.798	4.830	4.857	4.875	4.868	4.838	4.809	4.805	4.821	4.843		

Summary: October 2016

Labor Force	4,843,000
#Δ / month	22,000
%Δ / month	▲ 0.5%
#Δ / year	87,000
%Δ / year	● 1.8%

Highlights

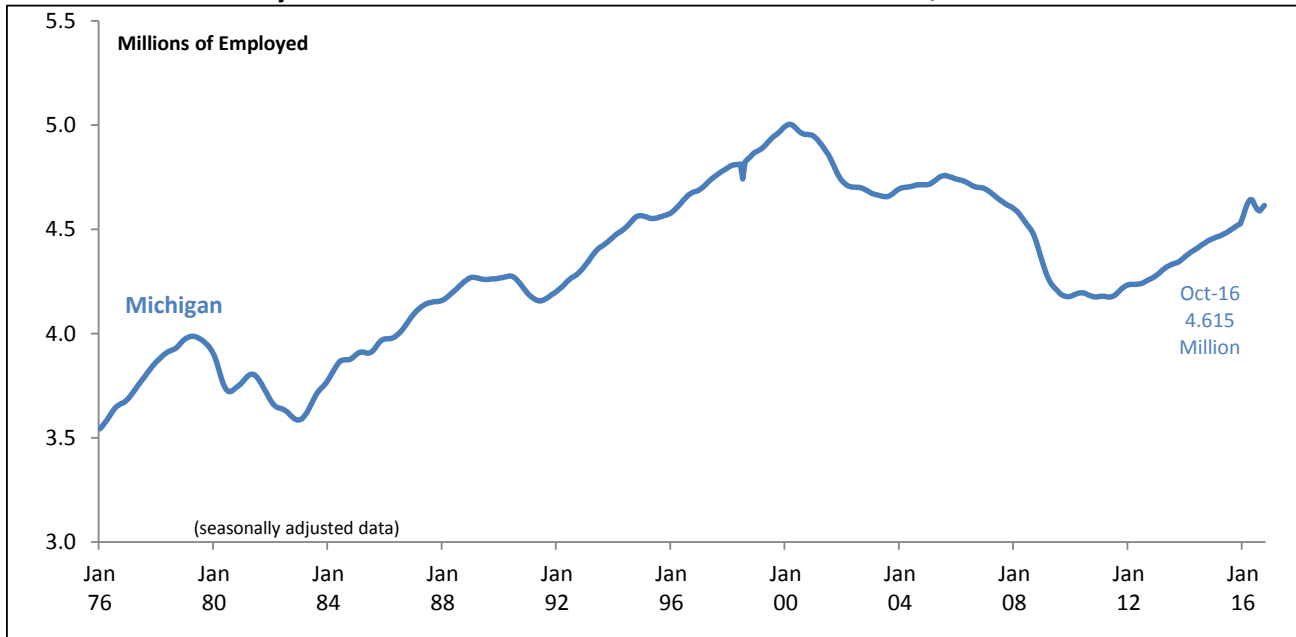
The labor force, which is the sum of employed and unemployed persons, increased by 22,000 over the month. Since October 2015, the labor force has increased by 87,000 individuals, or 1.8 percent.

Source: Bureau of Labor Market Information, Local Area Unemployment Statistics (LAUS)

HOUSEHOLD EMPLOYMENT

1976-2016 Monthly

Last Update: 11/23/16



1990 to 2015 Annual Averages (millions of employed)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	4.256	4.173	4.258	4.400	4.520	4.559	4.639	4.743	4.824	4.926	4.976	4.855	4.702
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	4.667	4.706	4.739	4.721	4.659	4.529	4.234	4.194	4.198	4.246	4.311	4.408	4.493

2015 & 2016 Monthly Detail (millions of employed)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	4.458	4.463	4.467	4.472	4.477	4.483	4.490	4.498	4.506	4.514	4.521	4.527
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI	4.561	4.597	4.625	4.642	4.641	4.616	4.595	4.588	4.601	4.615		

Summary: October 2016

Employment	4,615,000
#Δ / month	▲ 14,000
%Δ / month	0.3%
#Δ / year	● 101,000
%Δ / year	2.2%

Highlights

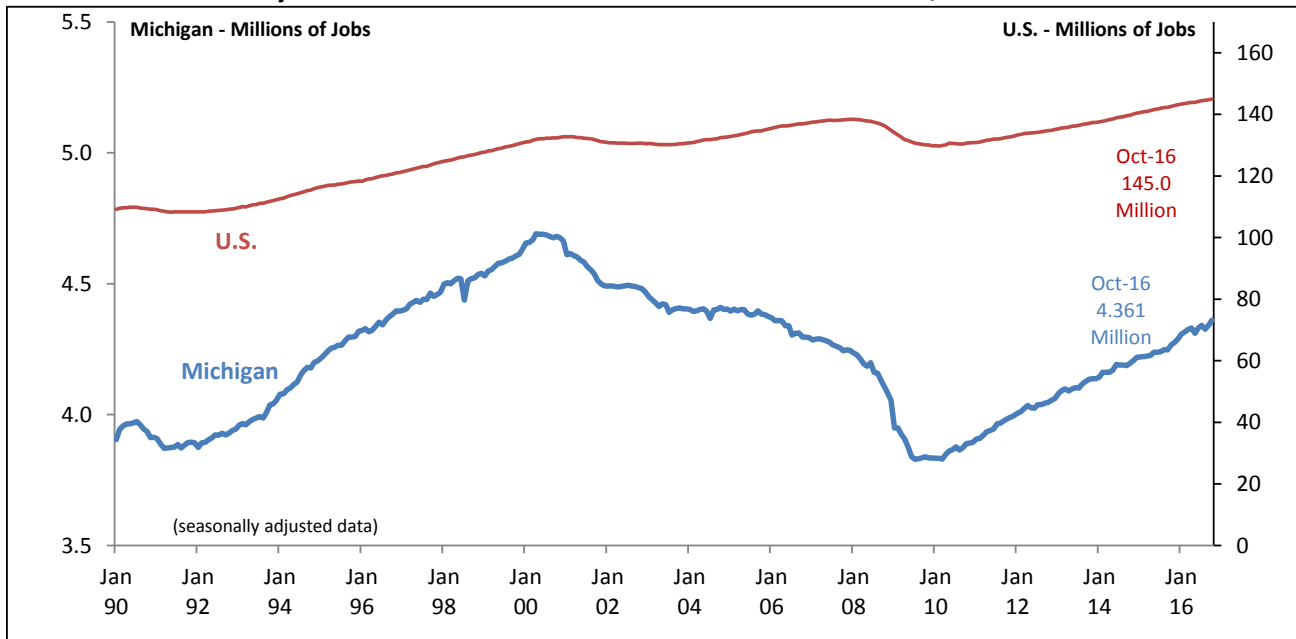
Employment in Michigan increased by 14,000 in the month of October. In addition, employment is up by 101,000 since September 2015, an increase of 2.2 percent.

Source: Bureau of Labor Market Information, Local Area Unemployment Statistics (LAUS)

PAYROLL JOBS

1990-2016 Monthly

Last Update: **11/23/16**



1990 to 2015 Annual Averages (millions of jobs)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	3.944	3.883	3.917	3.997	4.139	4.267	4.351	4.438	4.513	4.584	4.676	4.564	4.487
U.S.	109.5	108.4	108.8	110.9	114.4	117.4	119.8	123.0	126.2	129.2	132.0	132.1	130.6
Rank	8	8	8	8	8	8	8	8	8	8	8	8	8

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	4.416	4.399	4.390	4.327	4.268	4.163	3.871	3.864	3.952	4.034	4.110	4.182	4.244
U.S.	130.3	131.8	134.1	136.5	138.0	137.2	131.3	130.4	131.9	134.2	136.4	139.0	141.9
Rank	8	8	8	8	8	8	11	9	8	8	8	8	9

2015 & 2016 Monthly Detail (millions of jobs)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	4.220	4.222	4.224	4.226	4.239	4.239	4.241	4.249	4.247	4.266	4.276	4.289
U.S.	140.6	140.9	141.0	141.2	141.5	141.7	142.0	142.2	142.3	142.6	142.9	143.1
Rank	8	8	8	8	8	8	8	8	10	9	9	9

	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16
MI	4.307	4.315	4.325	4.331	4.311	4.330	4.341	4.326	4.342	4.361
U.S.	143.31	143.5	143.7	143.9	143.9	144.2	144.4	144.6	144.8	145.0
Rank	9	9	9	9	9	9	10	10	10	9

Summary: October 2016

Total Jobs	4,360,600
#Δ / month	18,900
#Δ / year	94,300

Highlights

Total Michigan nonfarm payrolls increased by 18,900 in October to 4,360,600. Since October 2015, total nonfarm employment advanced by 94,300 or 2.2 percent.

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

PAYROLL JOBS (Historical)

Seasonally Adjusted

Millions

	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09
MI	3.949	3.950	3.924	3.907	3.875	3.839	3.830	3.831	3.835	3.839	3.834	3.835
Δ mo.	-0.010	0.001	-0.026	-0.017	-0.031	-0.037	-0.009	0.002	0.003	0.005	-0.005	0.001
U.S.	134.1	133.4	132.5	131.8	131.5	131.0	130.7	130.5	130.3	130.1	130.1	129.8
Δ mo.	0.234	-0.703	-0.823	-0.686	-0.351	-0.470	-0.329	-0.212	-0.219	-0.200	-0.007	-0.279

	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10
MI	3.834	3.833	3.830	3.848	3.862	3.866	3.877	3.865	3.874	3.890	3.892	3.895
Δ mo.	-0.001	0.000	-0.003	0.018	0.014	0.004	0.011	-0.012	0.009	0.016	0.002	0.003
U.S.	129.8	129.7	129.9	130.1	130.7	130.5	130.5	130.4	130.4	130.6	130.8	130.8
Δ mo.	0.028	-0.069	0.163	0.243	0.522	-0.133	-0.070	-0.034	-0.052	0.257	0.123	0.088

	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
MI	3.907	3.910	3.922	3.935	3.939	3.945	3.964	3.967	3.976	3.983	3.991	3.996
Δ mo.	0.012	0.002	0.012	0.013	0.004	0.006	0.019	0.003	0.009	0.007	0.007	0.006
U.S.	130.9	131.1	131.3	131.6	131.7	131.9	132.0	132.1	132.4	132.6	132.7	132.9
Δ mo.	0.042	0.188	0.225	0.346	0.073	0.235	0.070	0.107	0.246	0.202	0.146	0.207

	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
MI	4.005	4.011	4.023	4.035	4.026	4.025	4.038	4.038	4.044	4.047	4.055	4.061
Δ mo.	0.009	0.006	0.012	0.012	-0.009	0.000	0.013	0.000	0.006	0.004	0.008	0.006
U.S.	133.3	133.5	133.8	133.8	134.0	134.0	134.2	134.4	134.6	134.7	134.8	135.1
Δ mo.	0.338	0.257	0.239	0.075	0.115	0.087	0.143	0.190	0.181	0.132	0.149	0.243

	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
MI	4.080	4.092	4.098	4.090	4.099	4.103	4.101	4.117	4.127	4.135	4.138	4.137
Δ mo.	0.019	0.012	0.006	-0.008	0.008	0.004	-0.001	0.015	0.010	0.008	0.003	-0.001
U.S.	135.3	135.6	135.7	135.9	136.1	136.3	136.4	136.7	136.9	137.1	137.3	137.4
Δ mo.	0.190	0.311	0.135	0.192	0.218	0.146	0.140	0.269	0.185	0.189	0.291	0.045

	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
MI	4.143	4.162	4.162	4.161	4.170	4.191	4.190	4.190	4.188	4.196	4.207	4.218
Δ mo.	0.006	0.019	0.000	0.000	0.009	0.021	-0.001	-0.001	-0.002	0.008	0.012	0.011
U.S.	137.6	137.7	138.0	138.3	138.5	138.8	139.1	139.3	139.6	139.8	140.1	140.4
Δ mo.	0.187	0.168	0.272	0.310	0.213	0.306	0.232	0.218	0.286	0.200	0.331	0.292

Change from July 2009 531,100

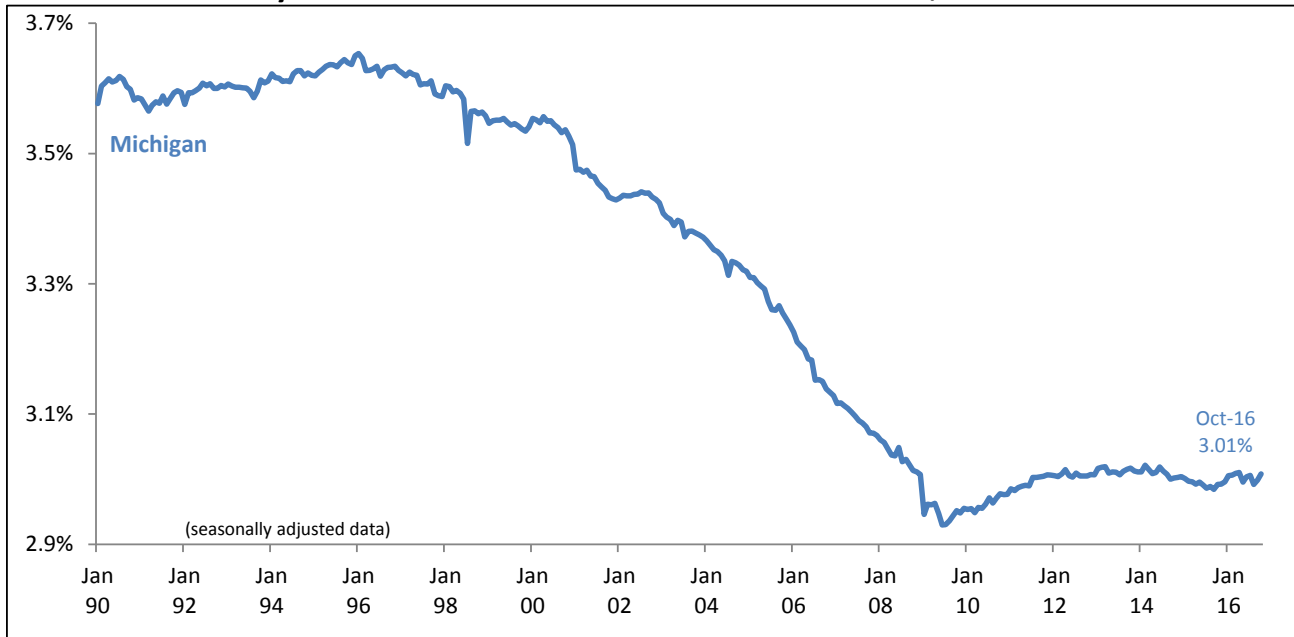
Change from December 2010 465,700

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

MICHIGAN'S SHARE OF U.S. PAYROLL JOBS

1990-2016 Monthly

Last Update: 11/23/16



1990 to 2015 Annual Averages

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	3.60%	3.58%	3.60%	3.60%	3.62%	3.63%	3.63%	3.61%	3.58%	3.55%	3.54%	3.46%	3.43%
Rank	8	8	8	8	8	8	8	8	8	8	8	8	8
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	3.39%	3.34%	3.27%	3.17%	3.09%	3.03%	2.95%	2.96%	3.00%	3.01%	3.01%	3.01%	2.99%
Rank	8	8	8	8	8	8	11	9	8	8	8	8	9

2015 & 2016 Monthly Detail

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	3.00%	3.00%	3.00%	2.99%	3.00%	2.99%	2.99%	2.99%	2.98%	2.99%	2.99%	3.00%
Rank	8	8	8	8	8	8	8	8	10	9	9	9
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI	3.01%	3.01%	3.01%	3.01%	3.00%	3.00%	3.01%	2.99%	3.00%	3.01%		
Rank	9	9	9	9	9	9	10	10	10	9		

Summary: October 2016

% Share 3.01%
 Δ / month ▲ 0.01
 Δ / year ▲ 0.02

*Δ calculated with unrounded data

Highlights

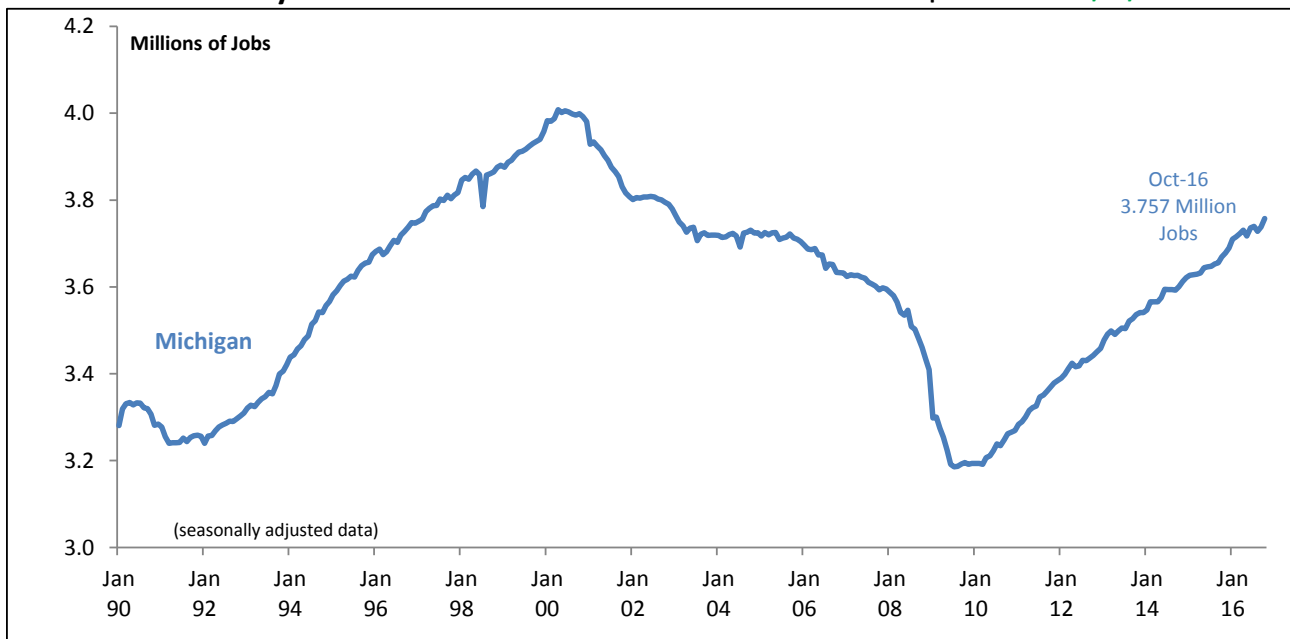
Michigan's share of U.S. payroll jobs rose to 3.01 percent. After dropping to below 3.0 percent in 2009 and 2010, Michigan's share of U.S. payrolls has consistently hovered near 3 percent since 2011. Since 1990, Michigan has seen its jobs as a share of U.S. jobs steadily decline, reflecting significant job losses in Michigan.

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

PRIVATE SECTOR PAYROLL JOBS

1990-2016 Monthly

Last Update: 11/23/16



1990 to 2014 Annual Averages (millions of jobs)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	3.314	3.250	3.281	3.359	3.501	3.626	3.708	3.791	3.857	3.916	3.994	3.879	3.800
Rank	8	8	8	8	8	8	8	8	8	8	8	8	8
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	3.731	3.720	3.716	3.662	3.612	3.512	3.224	3.228	3.335	3.425	3.511	3.586	3.649
Rank	8	8	8	8	8	8	9	8	8	8	8	8	8

2014 and 2015 Monthly Detail (millions of jobs)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	3.627	3.628	3.629	3.632	3.645	3.646	3.648	3.653	3.656	3.669	3.678	3.690
Rank	8	8	8	8	8	8	8	8	8	8	8	8
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI	3.710	3.716	3.722	3.731	3.718	3.736	3.740	3.728	3.738	3.757		
Rank	8	8	8	8	8	8	8	8	8	8		

Summary: October 2016

Total Jobs	3,757,200
#Δ / month	19,400
%Δ / month	0.5%
#Δ / year	88,300
%Δ / year	2.4%

Highlights

In the private sector, jobs increased by 19,400 from September to October. Over the year there have been 88,300 private sector payroll jobs added. From the 2009 annual average to the 2015 annual average, private sector jobs increased by 425,000.

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

PRIVATE SECTOR JOBS (Historical)

Seasonally Adjusted

Millions

	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09
MI	3.298	3.300	3.275	3.254	3.224	3.191	3.186	3.187	3.193	3.196	3.192	3.194
Δ mo.	0.028	0.002	-0.025	-0.021	-0.031	-0.032	-0.006	0.001	0.006	0.003	-0.004	0.002
U.S.	116.0	115.9	115.8	115.5	115.3	115.1	114.9	114.6	114.2	113.7	112.9	112.2
Δ mo.	0.003	-0.115	-0.106	-0.221	-0.215	-0.206	-0.261	-0.258	-0.422	-0.486	-0.776	-0.693

	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10
MI	3.194	3.194	3.191	3.207	3.211	3.223	3.238	3.235	3.248	3.262	3.265	3.269
Δ mo.	0.000	0.000	-0.002	0.015	0.004	0.012	0.015	-0.004	0.013	0.014	0.003	0.004
U.S.	111.4	110.7	109.9	109.1	108.8	108.4	108.1	107.9	107.7	107.5	107.4	107.2
Δ mo.	-0.821	-0.698	-0.810	-0.801	-0.294	-0.426	-0.272	-0.232	-0.141	-0.271	-0.015	-0.232

	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
MI	3.284	3.290	3.300	3.315	3.322	3.326	3.347	3.351	3.360	3.370	3.378	3.385
Δ mo.	0.014	0.006	0.011	0.015	0.007	0.003	0.021	0.005	0.008	0.010	0.009	0.006
U.S.	107.2	107.2	107.3	107.5	107.6	107.7	107.8	107.9	108.0	108.2	108.4	108.5
Δ mo.	0.020	-0.038	0.113	0.192	0.094	0.110	0.120	0.117	0.107	0.199	0.149	0.094

	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
MI	3.390	3.399	3.412	3.424	3.416	3.418	3.431	3.431	3.436	3.442	3.450	3.458
Δ mo.	0.006	0.008	0.013	0.012	-0.008	0.002	0.013	0.000	0.006	0.006	0.008	0.008
U.S.	108.6	108.8	109.0	109.3	109.5	109.7	109.9	110.0	110.3	110.5	110.7	110.9
Δ mo.	0.072	0.223	0.231	0.320	0.166	0.186	0.219	0.125	0.268	0.177	0.191	0.222

	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
MI	3.478	3.491	3.499	3.491	3.498	3.505	3.504	3.522	3.527	3.536	3.541	3.541
Δ mo.	0.019	0.013	0.007	-0.008	0.008	0.007	-0.001	0.018	0.005	0.009	0.005	0.000
U.S.	111.2	111.5	111.7	111.8	112.0	112.0	112.2	112.3	112.5	112.8	113.0	113.2
Δ mo.	0.364	0.228	0.246	0.102	0.131	0.075	0.172	0.136	0.159	0.255	0.211	0.215

	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
MI	3.547	3.566	3.566	3.566	3.575	3.595	3.594	3.594	3.593	3.601	3.612	3.622
Δ mo.	0.006	0.019	0.000	0.000	0.009	0.019	-0.001	0.000	-0.002	0.008	0.012	0.009
U.S.	113.4	113.7	113.9	114.0	114.3	114.4	114.6	114.8	115.0	115.2	115.5	115.6
Δ mo.	0.240	0.297	0.139	0.194	0.225	0.172	0.162	0.213	0.168	0.235	0.303	0.124

Change from July 2009 571,400

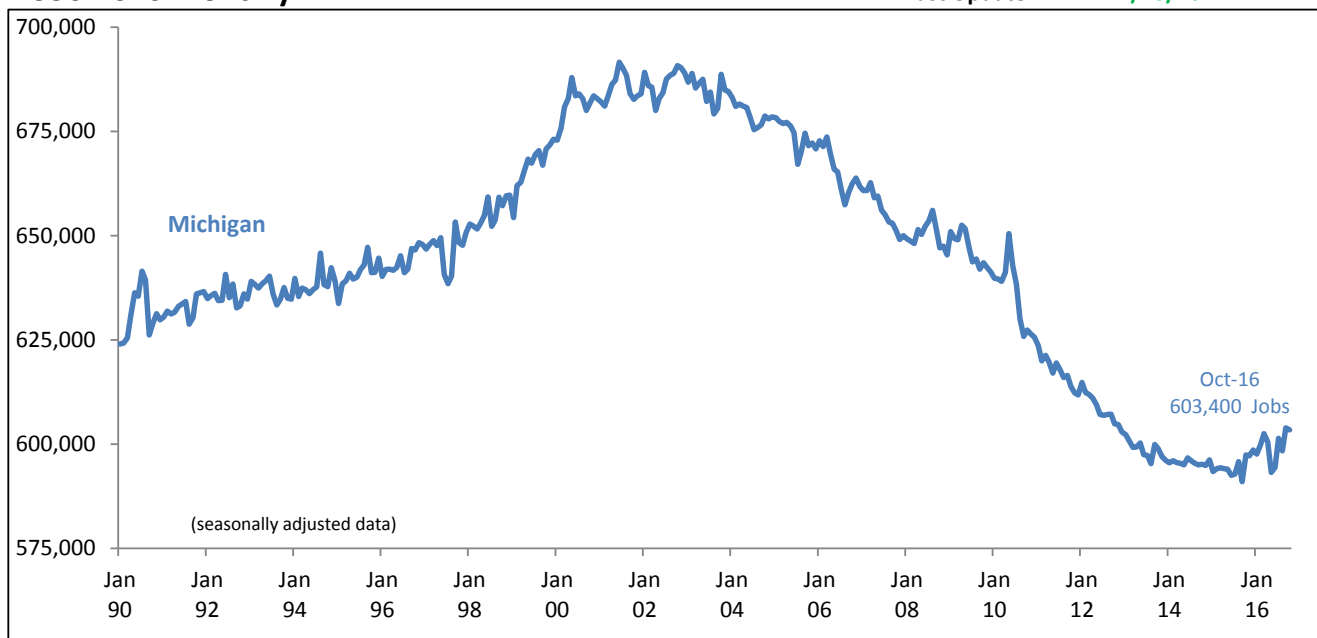
Change from December 2010 487,900

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

GOVERNMENT PAYROLL JOBS

1990-2016 Monthly

Last Update: 11/23/16



1990 to 2015 Annual Averages (thousands of jobs)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	630.6	632.5	635.8	637.7	638.8	640.7	643.6	647.2	655.8	667.4	681.4	685.0	686.6
Rank		8	8	8	8	8	8	8	8	8	8	8	8
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	685.4	679.7	674.1	665.3	655.7	650.0	646.8	635.6	617.4	608.5	598.6	595.7	594.3
Rank		8	8	11	11	12	12	12	12	12	12	12	12

2015 & 2016 Monthly Detail (thousands of jobs)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	593.4	594.1	594.3	594.1	594.0	592.5	592.8	595.8	591.0	597.4	597.2	598.6
Rank		12	12	12	12	12	12	12	12	12	12	12
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI	597.6	599.8	602.5	600.5	593.2	594.4	601.4	598.4	603.9	603.4		
Rank		12	12	12	12	12	12	12	12	12		

Summary: October 2016

Total Jobs	603,400
#Δ / month	◆ -500
%Δ / month	-0.1%
#Δ / year	● 6,000
%Δ / year	1.0%

Highlights

Job levels notched lower by 500 in October as decreases in staff at the *Local* (-3,300) level outpaced an increase at the *State* (+2,800) level. Some of the job decline at the local level reflects the staggered schedule by which municipalities cut seasonal workers. Between October 2015 and October 2016, *Government* employment advanced by 6,000 with the largest gains reported at the *Local* (+4,200) and *Federal* (+1,300) levels.

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

GOVERNMENT JOBS (Historical)

Seasonally Adjusted												Thousands
	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09
MI	651.0	649.3	649.0	652.5	651.7	647.2	643.7	644.4	642.0	643.5	642.4	641.3
Δ mo.	-1.00	-1.70	-0.30	3.50	-0.80	-4.50	-3.50	0.70	-2.40	1.50	-1.10	-1.10
U.S.	22,388	22,417	22,443	22,450	22,483	22,517	22,568	22,567	22,537	22,549	22,560	22,556
Δ mo.	12.0	29.0	26.0	7.0	33.0	34.0	51.0	-1.0	-30.0	12.0	11.0	-4.0
	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10
MI	639.8	639.6	639.0	641.2	650.5	642.9	638.3	630.1	625.8	627.4	626.4	625.6
Δ mo.	-1.50	-0.20	-0.60	2.20	9.30	-7.60	-4.60	-8.20	-4.30	1.60	-1.00	-0.80
U.S.	22,579	22,576	22,560	22,677	22,617	22,576	22,521	22,537	22,451	22,524	22,533	22,482
Δ mo.	23.0	-3.0	-16.0	117.0	-60.0	-41.0	-55.0	16.0	-86.0	73.0	9.0	-51.0
	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
MI	623.6	620.0	621.3	619.7	617.0	619.5	617.8	616.0	616.5	613.8	612.3	611.8
Δ mo.	-2.00	-3.60	1.30	-1.60	-2.70	2.50	-1.70	-1.80	0.50	-2.70	-1.50	-0.50
U.S.	22,491	22,476	22,518	22,569	22,996	22,740	22,569	22,420	22,247	22,297	22,287	22,266
Δ mo.	9.0	-15.0	42.0	51.0	427.0	-256.0	-171.0	-149.0	-173.0	50.0	-10.0	-21.0
	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
MI	614.8	612.4	611.9	611.0	609.4	607.1	606.9	607.1	607.2	604.9	604.7	602.9
Δ mo.	3.00	-2.40	-0.50	-0.90	-1.60	-2.30	-0.20	0.20	0.10	-2.30	-0.20	-1.80
U.S.	22,264	22,213	22,194	22,185	22,128	22,127	22,054	22,045	21,981	21,998	21,970	21,950
Δ mo.	-2.0	-51.0	-19.0	-9.0	-57.0	-1.0	-73.0	-9.0	-64.0	17.0	-28.0	-20.0
	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
MI	602.3	600.8	599.2	599.3	600.3	597.5	597.3	595.3	599.9	598.9	597.0	596.1
Δ mo.	-0.60	-1.50	-1.60	0.10	1.00	-2.80	-0.20	-2.00	4.60	-1.00	-1.90	-0.90
U.S.	21,949	21,947	21,945	21,922	21,913	21,892	21,915	21,943	21,923	21,896	21,874	21,892
Δ mo.	-1.0	-2.0	-2.0	-23.0	-9.0	-21.0	23.0	28.0	-20.0	-27.0	-22.0	18.0
	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
MI	595.5	596.0	595.6	595.4	595.0	596.7	596.0	595.4	595.0	595.2	594.9	596.2
Δ mo.	-0.60	0.50	-0.40	-0.20	-0.40	1.70	-0.70	-0.60	-0.40	0.20	-0.30	1.30
U.S.	21,877	21,894	21,870	21,863	21,857	21,812	21,814	21,857	21,839	21,829	21,843	21,828
Δ mo.	-15.0	17.0	-24.0	-7.0	-6.0	-45.0	2.0	43.0	-18.0	-10.0	14.0	-15.0
Change from July 2009					-40,300							
Change from December 2010					-22,200							

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

GOVERNMENT JOBS (Detail)

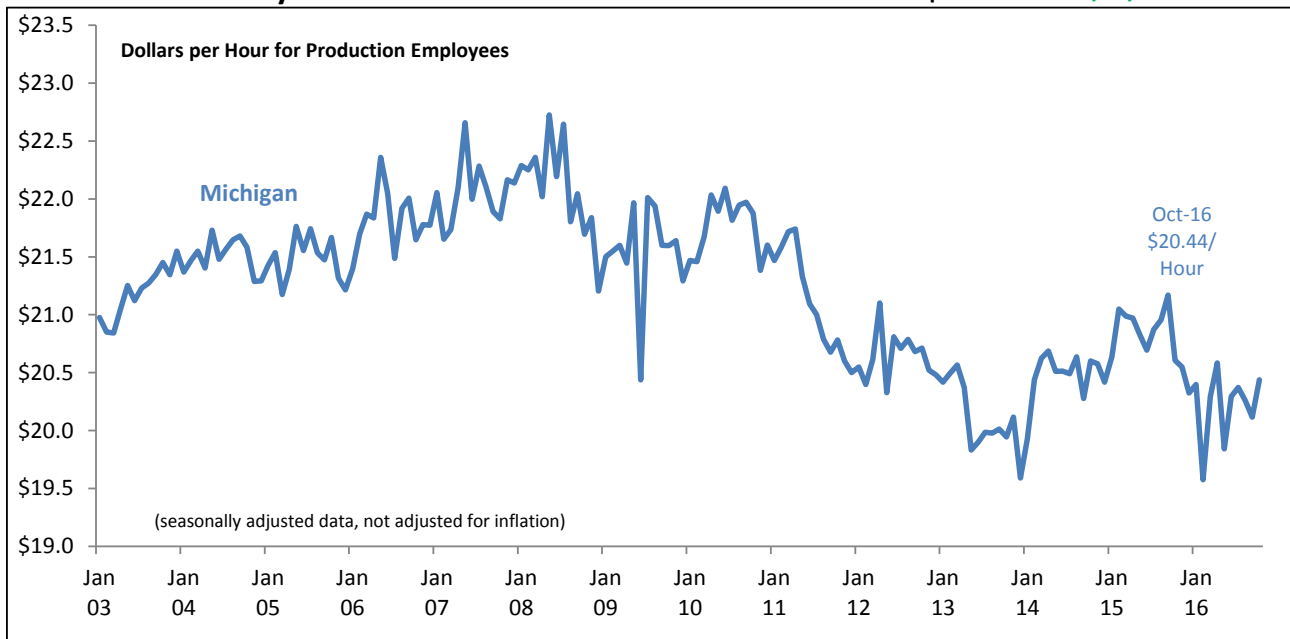
Seasonally Adjusted											Thousands	
	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09
MI Fed	53,200	53,200	53,200	57,700	56,700	53,800	53,900	54,000	54,200	54,500	54,600	54,500
MI State	178,700	177,900	178,200	177,900	178,800	179,300	179,000	178,800	177,200	178,700	179,400	179,400
MI Local	419,100	418,200	417,600	416,900	416,200	414,100	410,800	411,600	410,600	410,300	408,400	407,400
Total	651.0	649.3	649.0	652.5	651.7	647.2	643.7	644.4	642.0	643.5	642.4	641.3
	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10
MI Fed	55,400	55,300	56,300	58,400	70,800	61,200	59,700	55,700	53,900	53,800	53,800	53,600
MI State	178,100	179,000	178,700	178,700	178,200	178,300	177,900	178,600	178,500	179,300	179,000	178,700
MI Local	406,300	405,300	404,000	404,100	401,500	403,400	400,700	395,800	393,400	394,300	393,600	393,300
Total	639.8	639.6	639.0	641.2	650.5	642.9	638.3	630.1	625.8	627.4	626.4	625.6
	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
MI Fed	53,600	53,300	53,300	53,200	53,300	53,100	53,300	53,200	53,100	53,200	52,900	52,800
MI State	178,400	176,000	177,900	177,700	176,200	176,400	177,900	177,100	177,700	178,000	178,500	178,900
MI Local	391,600	390,700	390,100	388,800	387,500	390,000	386,600	385,700	385,700	382,600	380,900	380,100
Total	623.6	620.0	621.3	619.7	617.0	619.5	617.8	616.0	616.5	613.8	612.3	611.8
	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
MI Fed	52,800	52,400	52,800	52,800	52,700	52,800	52,700	52,800	52,800	52,900	52,600	52,600
MI State	181,700	180,000	180,000	180,100	180,400	180,700	178,400	179,200	179,500	179,000	178,700	178,500
MI Local	380,300	380,000	379,100	378,100	376,300	373,600	375,800	375,100	374,900	373,000	373,400	371,800
Total	614.8	612.4	611.9	611.0	609.4	607.1	606.9	607.1	607.2	604.9	604.7	602.9
	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
MI Fed	52,400	52,300	51,900	52,200	51,800	51,900	51,700	51,500	51,600	51,400	51,400	51,600
MI State	178,800	178,300	177,900	178,300	179,200	179,100	179,100	180,100	180,500	180,200	180,600	178,900
MI Local	371,100	370,200	369,400	368,800	369,300	366,500	366,500	363,700	367,800	367,300	365,000	365,600
Total	602.3	600.8	599.2	599.3	600.3	597.5	597.3	595.3	599.9	598.9	597.0	596.1
	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
MI Fed	51,000	50,700	50,800	50,900	50,900	51,000	50,900	51,000	50,900	50,800	51,000	51,400
MI State	179,900	180,100	180,000	180,000	180,300	180,300	180,600	180,700	181,500	182,300	182,400	184,100
MI Local	364,600	365,200	364,800	364,500	363,800	365,400	364,500	363,700	362,600	362,100	361,500	360,700
Total	595.5	596.0	595.6	595.4	595.0	596.7	596.0	595.4	595.0	595.2	594.9	596.2
	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI Fed	51,000	51,200	51,300	51,300	51,200	51,200	51,300	51,400	51,400	51,200	51,700	52,000
MI State	182,000	183,400	183,800	183,900	183,600	183,000	183,400	183,500	182,800	187,900	187,600	188,700
MI Local	360,400	359,500	359,200	358,900	359,200	358,300	358,100	360,900	356,800	358,300	357,900	357,900
Total	593.4	594.1	594.3	594.1	594.0	592.5	592.8	595.8	591.0	597.4	597.2	598.6
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI Fed	51,500	51,800	52,000	51,200	52,200	52,300	52,300	52,200	52,500	52,500		
MI State	185,700	188,800	188,600	190,200	184,200	180,200	182,700	182,000	185,600	188,400		
MI Local	360,400	359,200	361,900	359,100	356,800	361,900	366,400	364,200	365,800	362,500		
Total	597.6	599.8	602.5	600.5	593.2	594.4	601.4	598.4	603.9	603.4		

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

AVERAGE HOURLY EARNINGS: MANUFACTURING

2003-2016 Monthly

Last Update: 11/23/16



2003 to 2015 Annual Averages (dollars per hour)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	21.20	21.51	21.46	21.82	22.05	22.10	21.55	21.76	21.09	20.69	20.10	20.46	20.80

2015 & 2016 Monthly Detail (dollars per hour)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	20.64	21.05	20.99	20.97	20.83	20.70	20.87	20.96	21.17	20.61	20.55	20.32

	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16
MI	20.40	19.58	20.29	20.58	19.84	20.29	20.37	20.26	20.12	20.44

Summary: October 2016

Hours Worked	\$20.44
#Δ / month	\$0.32
%Δ / month	1.6%
#Δ / year	-\$0.17
%Δ / year	-0.8%

Highlights

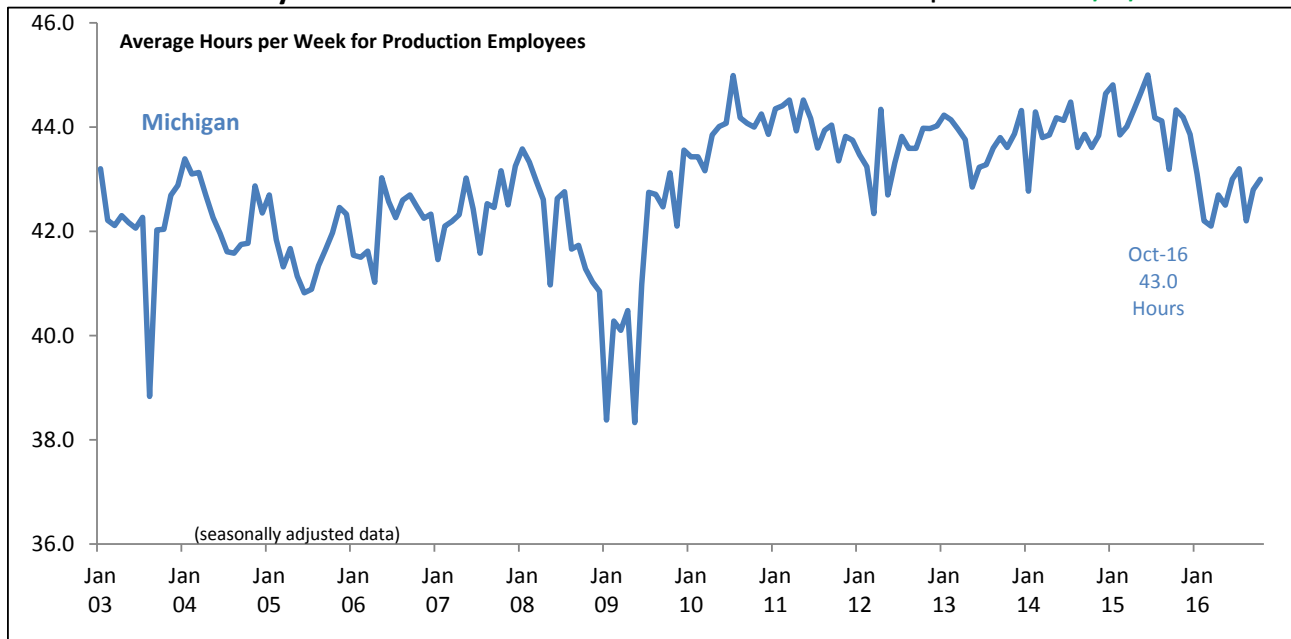
Manufacturing hourly earnings increased over the month by \$0.32, or a 1.6 percent expansion. Hourly earnings have decreased by \$0.17, or 0.8 percent, over the year.

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

AVERAGE WEEKLY HOURS: MANUFACTURING

2003-2016 Monthly

Last Update: 11/23/16



2003 to 2015 Annual Averages (average hours per week)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	42.1	42.4	41.7	42.2	42.4	42.2	41.3	44.0	44.0	43.5	43.7	43.9	44.2

2015 & 2016 Monthly Detail (average hours per week)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	44.8	43.9	44.0	44.3	44.7	45.0	44.2	44.1	43.2	44.3	44.2	43.9

	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16
MI	43.1	42.2	42.1	42.7	42.5	43.0	43.2	42.2	42.8	43.0

Summary: October 2016

Hours Worked **43.0**
 #Δ / month ▲ 0.2
 #Δ / year ◆ -1.3

(Rounded)

Highlights

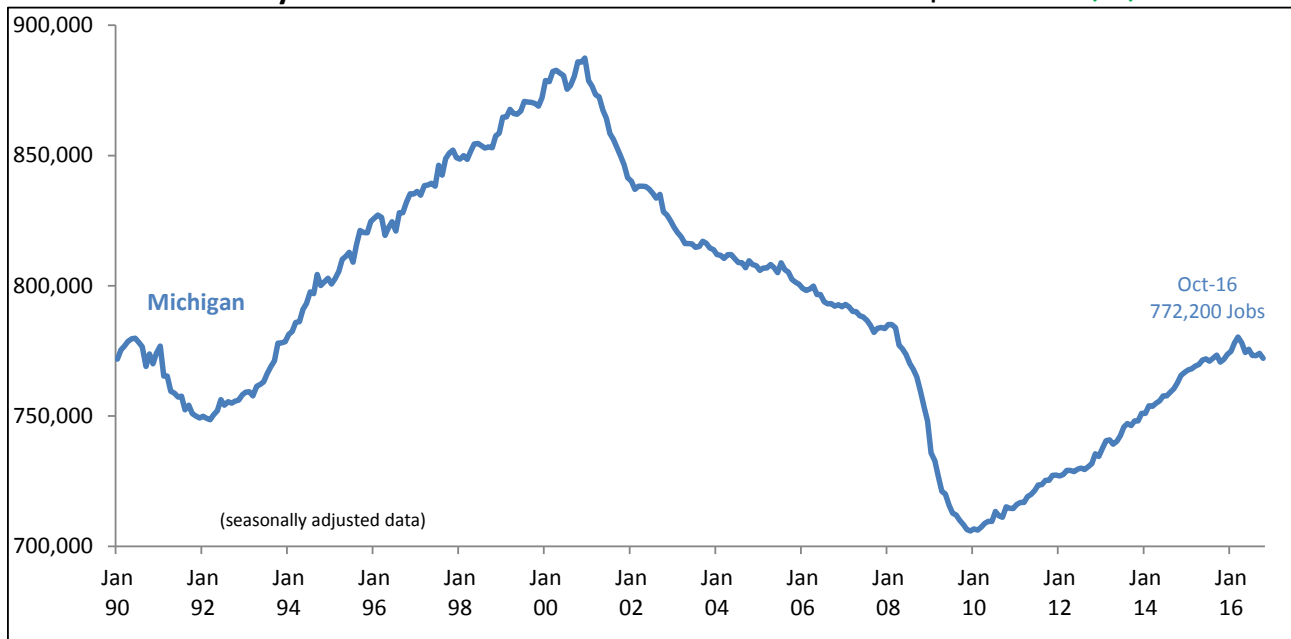
Average weekly hours worked in the state's *Manufacturing* sector increased by 0.2 hours over the month. Since October 2015, average weekly hours worked have decreased by 1.3.

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

PAYROLL JOBS: TRADE, TRANSPORTATION, AND UTILITIES

1990-2016 Monthly

Last Update: 11/23/16



1990 to 2015 Annual Averages (thousands of jobs)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	775.1	757.9	753.9	767.1	793.6	812.5	826.9	843.1	853.5	868.3	881.2	861.2	834.3
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	817.0	809.8	805.1	795.0	787.0	770.3	717.2	710.6	721.8	730.2	744.1	758.5	770.7

2015 & 2016 Monthly Detail (thousands of jobs)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	767.7	768.2	769.2	769.8	771.5	772.0	771.1	772.3	773.4	770.7	771.7	773.7
Rank	11	11	11	11	11	11	11	11	11	11	11	11
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI	774.8	778.1	780.3	778.1	774.4	775.6	773.3	773.2	774.1	772.2		
Rank	11	11	11	11	11	11	11	11	11	11		

Summary: October 2016

Total Jobs	772,200
#Δ / month	▲ -1,900
%Δ / month	-0.2%
#Δ / year	▲ 1,500
%Δ / year	0.2%

Highlights

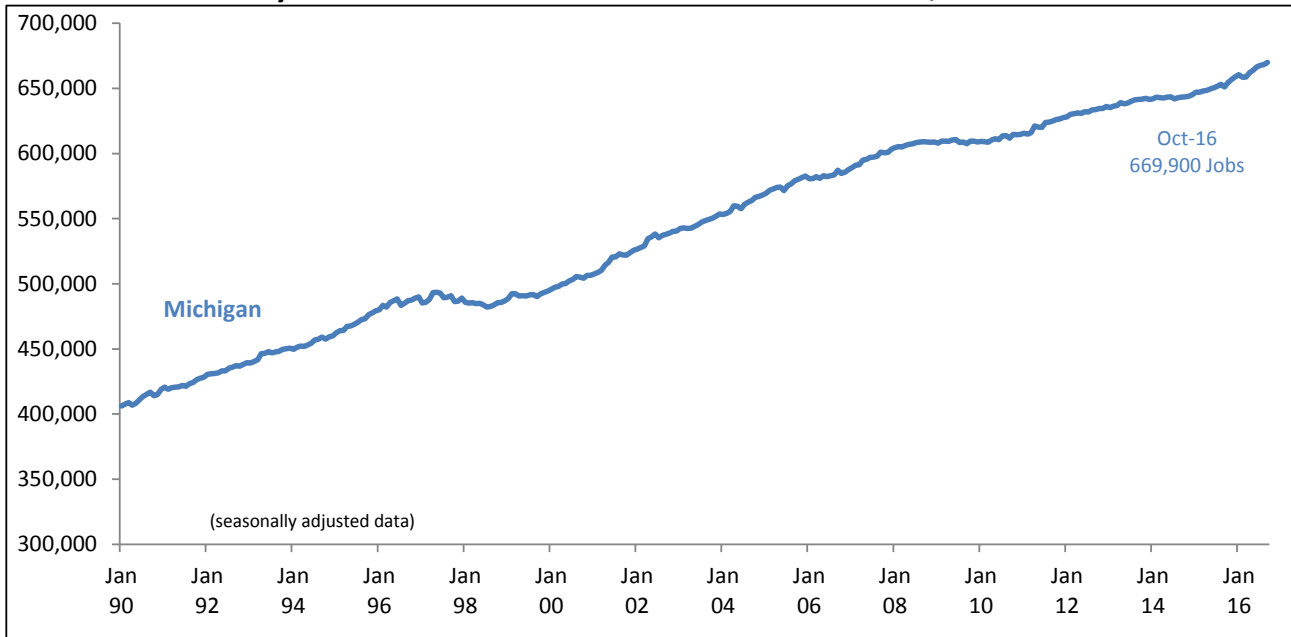
Employment declined by 1,900 in October as continued job losses in *Retail* (-1,700) and *Wholesale trade* (-600) outpaced a gain in *Transportation, warehousing, and utilities* (+400). The retail decline was primarily due to stronger than typical job cuts in *Building material and garden equipment dealers* and *Food and beverage stores*. The *Wholesale trade* job cut was partially due to an atypical contraction in *Wholesale electronic and agents and brokers*. Since October 2015, small employment advances in *Retail* (+3,700) and *Transportation, warehousing, and utilities* (+700) offset job reductions in *Wholesale trade*.

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

PAYROLL JOBS: PRIVATE EDUCATION & HEALTH SERVICES

1990-2016 Monthly

Last Update: **11/23/16**



1990 to 2015 Annual Averages (thousands of jobs)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	411.7	422.8	434.5	446.3	455.2	470.2	485.6	489.4	484.8	491.7	502.1	517.8	535.1
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	546.9	560.9	575.8	583.3	596.7	607.4	609.2	611.8	621.7	632.2	639.4	643.1	651.7

2015 & 2016 Monthly Detail (thousands of jobs)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	647.1	647.1	648.0	648.4	649.6	650.3	651.5	653.0	651.1	654.5	657.0	659.0
Rank	9	9	9	9	9	9	9	9	9	9	9	9
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI	660.5	658.4	658.6	662.1	663.9	666.5	667.6	668.4	669.9	669.9		
Rank	10	10	10	10	10	10	9	9	9	10		

Summary: October 2016

Total Jobs	669,900
#Δ / month	0
%Δ / month	0.0%
#Δ / year	15,400
%Δ / year	2.4%

Highlights

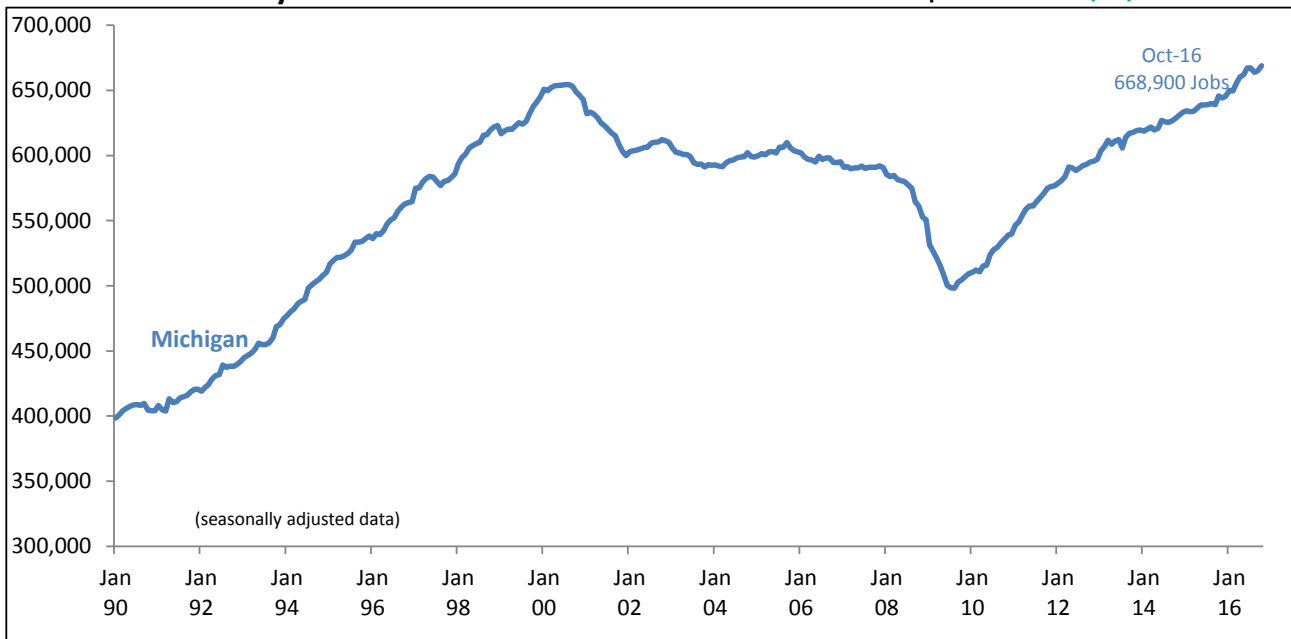
Employment levels were unchanged in October as job additions in *Educational services* (+1,400) were countered by an equal number of job losses in *Healthcare and social assistance* (-1,400). Part of the job decline in *Healthcare and social assistance* was due to a larger than typical employment decrease in *Nursing and residential care facilities*. Between October 2015 and October 2016, the broad sector added 15,400 jobs.

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

PAYROLL JOBS: PROFESSIONAL & BUSINESS SERVICES

1990-2016 Monthly

Last Update: **11/23/16**



1990 to 2015 Annual Averages (thousands of jobs)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	405.3	413.0	432.6	457.1	494.0	527.3	551.3	580.5	610.3	627.7	651.1	619.7	607.9
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	597.5	596.6	603.8	597.0	590.8	573.1	510.0	524.1	563.0	589.6	612.6	625.1	638.9

2015 & 2016 Monthly Detail (thousands of jobs)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	634.4	633.7	633.8	636.3	638.8	638.8	638.9	640.0	638.9	645.7	644.1	645.5
Rank	9	9	9	9	10	9	9	9	10	10	10	10
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI	649.9	649.6	655.6	660.3	662.1	667.2	667.1	663.9	665.1	668.9		
Rank	11	11	10	10	10	10	9	10	10	10		

Summary: October 2016

Total Jobs	668,900
#Δ / month	▲ 3,800
%Δ / month	0.6%
#Δ / year	● 23,200
%Δ / year	3.6%

Highlights

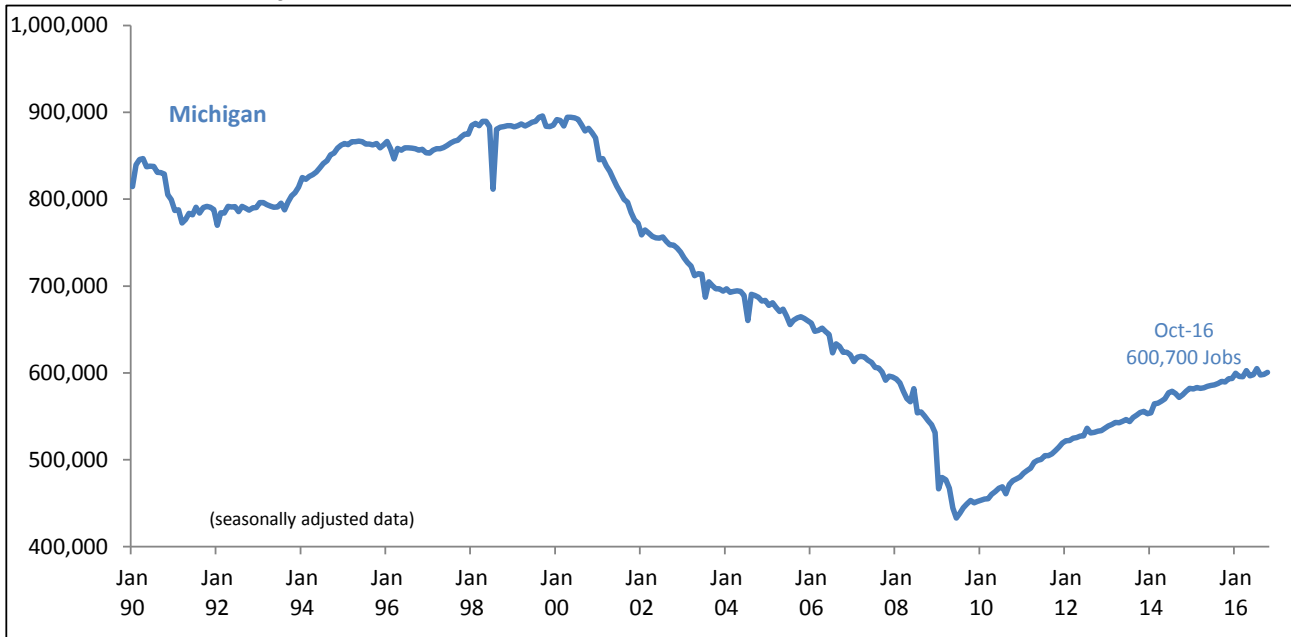
Employers added 3,800 jobs in October. These additions brought job levels in the broad sector to an all-time high of 668,900. The majority of this increase was reported in *Administrative and support and waste management and remediation services* (+2,600) and *Professional, scientific, and technical services* (+1,000). Part of this gain in the broad sector was due to an atypically large employment increase in *Accounting, tax preparation, bookkeeping, and payroll services*. Over the year, broad sector employment rose 23,200 with the majority of these additions occurring in *Professional, scientific, and technical services* (+15,700).

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

PAYROLL JOBS: MANUFACTURING

1990-2016 Monthly

Last Update: 11/23/16



1990 to 2015 Annual Averages (thousands of jobs)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	829.4	784.8	787.9	797.4	839.4	863.7	856.9	864.1	880.0	887.8	886.0	811.4	752.9
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	708.5	688.3	667.2	637.7	607.6	562.7	454.9	466.0	501.4	529.2	546.6	571.8	587.3

2015 & 2016 Monthly Detail (thousands of jobs)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	581.7	583.2	582.2	582.9	584.5	585.7	586.2	588.0	590.3	589.6	593.2	593.6
Rank	4 of 48	4 of 48	4 of 48	4 of 48	4 of 48	4 of 48	4 of 48	4 of 48	4 of 48	4 of 48	4 of 48	4 of 48
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI	599.6	596.0	595.5	602.5	596.7	598.1	605.0	597.7	598.3	600.7		
Rank	4 of 48	4 of 48	4 of 48	4 of 48	4 of 48	4 of 48	4 of 48	4 of 48	4 of 48	4 of 48		

Summary: October 2016

Total Jobs	600,700
#Δ / month	▲ 2,400
%Δ / month	0.4%
#Δ / year	● 11,100
%Δ / year	1.9%

Highlights

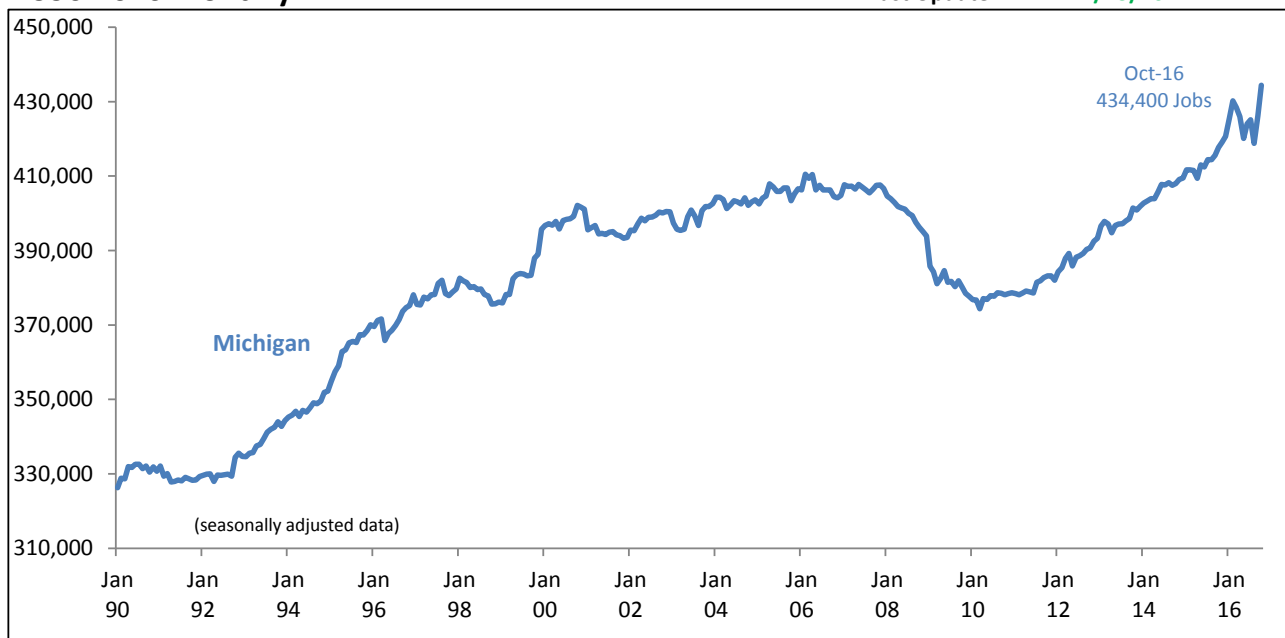
Job levels increased by 2,400 over the month as employers in both the *Durable goods* (+1,900) and *Nondurable goods* (+500) sectors added to their payrolls. Employment in the state's key *Transportation equipment manufacturing* sector declined by 1,300 in October. Since October 2015, *Manufacturing* employment has grown by 11,100 with both the *Durable goods* (+8,700) and *Nondurable* (+2,400) sectors adding jobs. The *Transportation equipment manufacturing* (+3,600) sector accounted for nearly one-third of the over the year job gain in

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

PAYROLL JOBS: LEISURE & HOSPITALITY

1990-2016 Monthly

Last Update: 11/23/16



1990 to 2015 Annual Averages (thousands of jobs)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	330.8	328.9	330.9	339.9	348.2	364.0	371.4	378.4	379.2	383.8	398.6	394.9	398.7
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	399.0	403.1	405.6	406.8	407.0	399.9	381.7	377.6	380.5	388.8	398.2	406.5	413.3

2015 & 2016 Monthly Detail (thousands of jobs)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	411.7	411.7	411.5	409.4	413.0	412.5	414.4	414.4	415.6	417.7	419.1	420.7
Rank	10	10	10	10	10	10	10	10	10	10	10	10
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI	425.5	430.2	428.4	426.0	420.1	424.0	425.1	418.8	426.2	434.4		
Rank	10	10	10	10	10	10	10	10	10	10		

Summary: October 2016

Total Jobs	434,400
#Δ / month	8,200
%Δ / month	1.9%
#Δ / year	16,700
%Δ / year	4.0%

Highlights

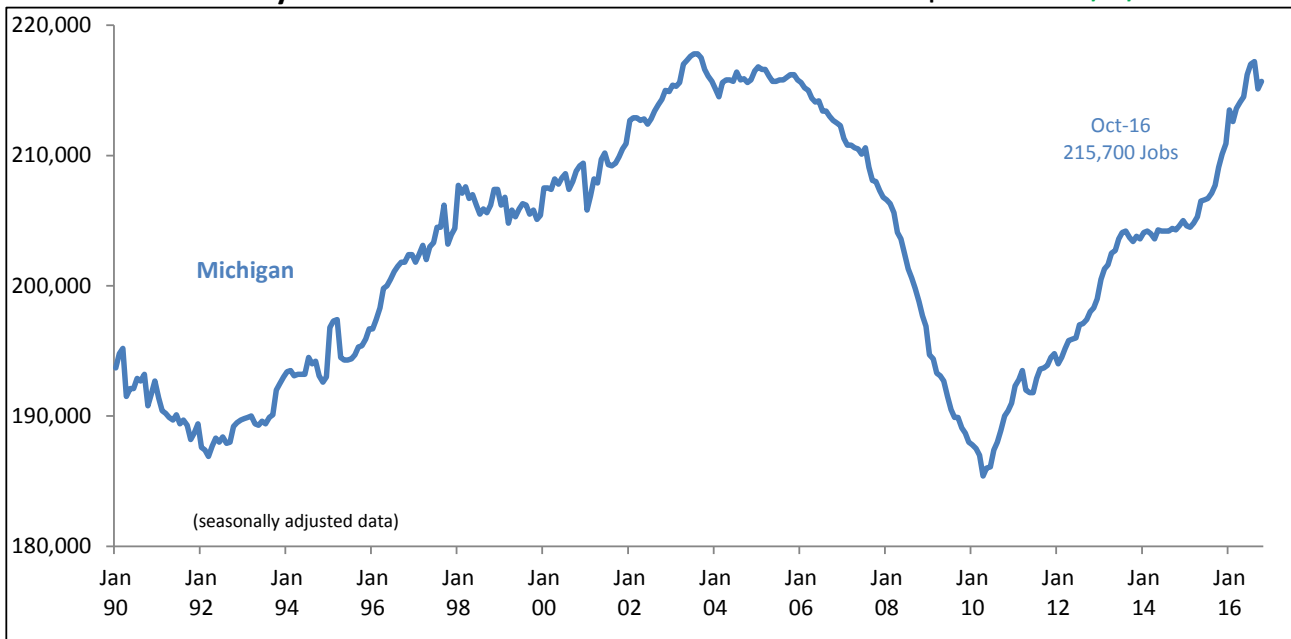
Employment rose by 8,200 in October, on a seasonally adjusted basis. On an unadjusted basis, jobs fell in this sector as the summer tourism season ended. Since October 2015, job gains in *Accommodation and foodservices* (+15,100) and *Arts, entertainment, and recreation* (+1,600) combined for a 16,700 increase in the broad sector.

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

PAYROLL JOBS: FINANCIAL ACTIVITIES

1990-2016 Monthly

Last Update: 11/23/16



1990 to 2015 Annual Averages (thousands of jobs)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	192.8	189.7	188.2	190.4	193.4	195.6	200.3	203.6	206.7	205.7	208.1	209.0	213.4
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	216.7	215.7	216.1	213.8	209.5	202.0	191.4	188.1	193.2	196.5	202.9	204.3	207.1

2015 & 2016 Monthly Detail (thousands of jobs)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	204.6	204.5	204.8	205.3	206.5	206.6	206.7	207.1	207.7	209.1	210.1	210.9
Rank	12	12	12	12	12	12	11	11	12	11	12	11
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI	213.5	212.6	213.6	214.1	214.5	216.2	217.0	217.2	215.1	215.7		
Rank	12	12	12	12	12	12	12	12	12	12		

Summary: October 2016

Total Jobs	215,700
#Δ / month	▲ 600
%Δ / month	0.3%
#Δ / year	● 6,600
%Δ / year	3.2%

Highlights

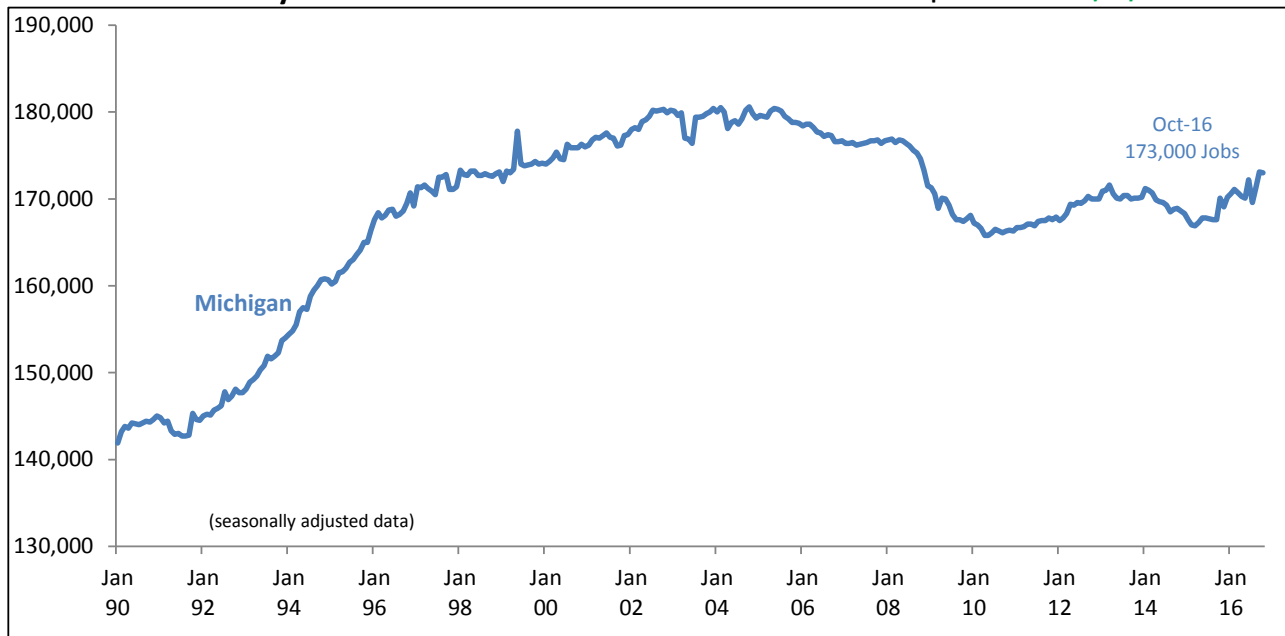
Employers added 600 workers in October, a small gain of 0.3 percent. This increase was equally distributed between the *Finance and insurance* (+300) and *Real estate and rental and leasing* (+300) subsectors. Over the year, payrolls in the broad sector have grown by 6,600 jobs with most of this increase recorded in *Finance and insurance* (+5,200).

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

PAYROLL JOBS: OTHER SERVICES

1990-2016 Monthly

Last Update: 11/23/16



1990 to 2015 Annual Averages (thousands of jobs)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	143.9	143.7	146.6	151.1	158.1	162.9	168.6	171.5	173.0	174.0	175.3	176.9	179.3
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	179.1	179.6	179.6	177.5	176.6	175.6	168.8	166.3	167.3	169.3	170.5	169.5	168.1

2015 & 2016 Monthly Detail (thousands of jobs)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	167.6	167.0	166.9	167.3	167.8	167.8	167.7	167.6	167.6	170.1	169.1	170.2
Rank	10	10	10	9	10	10	10	10	10	9	9	9
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI	170.6	171.1	170.7	170.3	170.1	172.2	169.6	171.3	173.1	173.0		
Rank	10	9	9	10	9	9	10	10	9	9		

Summary: October 2016

Total Jobs	173,000
#Δ / month	▲ -100
%Δ / month	-0.1%
#Δ / year	▲ 2,900
%Δ / year	1.7%

Highlights

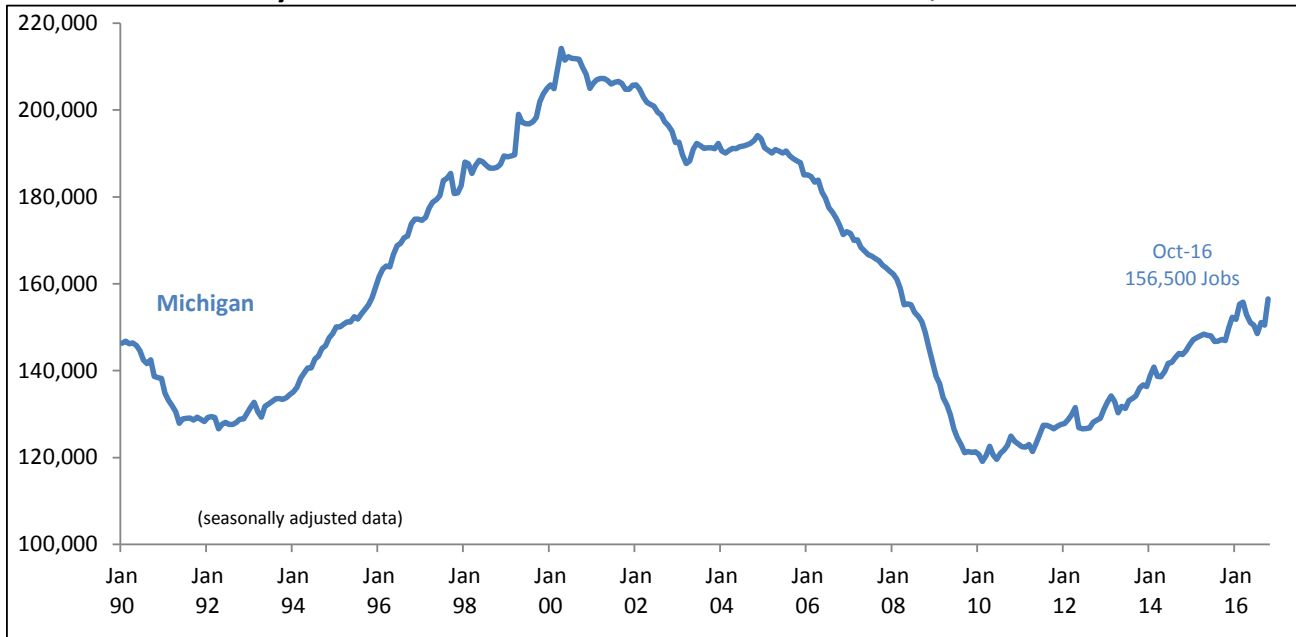
Job levels were essentially unchanged, inching down by 100 during October. This sector has added 2,800 jobs for the 10-month period ending in October, which accounts for the majority of the 2,900-job increase since October 2015.

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

PAYROLL JOBS: CONSTRUCTION

1990-2016 Monthly

Last Update: 11/23/16



1990 to 2015 Annual Averages (thousands of jobs)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	143.1	130.0	128.5	132.5	142.0	152.9	168.5	180.3	187.5	197.1	209.7	206.3	199.8
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	190.9	191.8	189.5	178.4	166.7	153.5	127.6	121.6	125.3	128.2	133.5	141.8	147.9

2015 & 2016 Monthly Detail (thousands of jobs)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	147.1	147.6	148.0	148.4	148.1	148.0	146.7	146.8	147.2	146.9	149.9	152.3
Rank	14	15	13	13	13	13	13	14	14	15	15	14
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI	151.8	155.3	155.8	152.9	151.1	150.5	148.5	151.1	150.5	156.5		
Rank	14	13	14	14	15	15	16	15	15	14		

Summary: October 2016

Total Jobs	156,500
#Δ / month	6,000
%Δ / month	4.0%
#Δ / year	9,600
%Δ / year	6.5%

Highlights

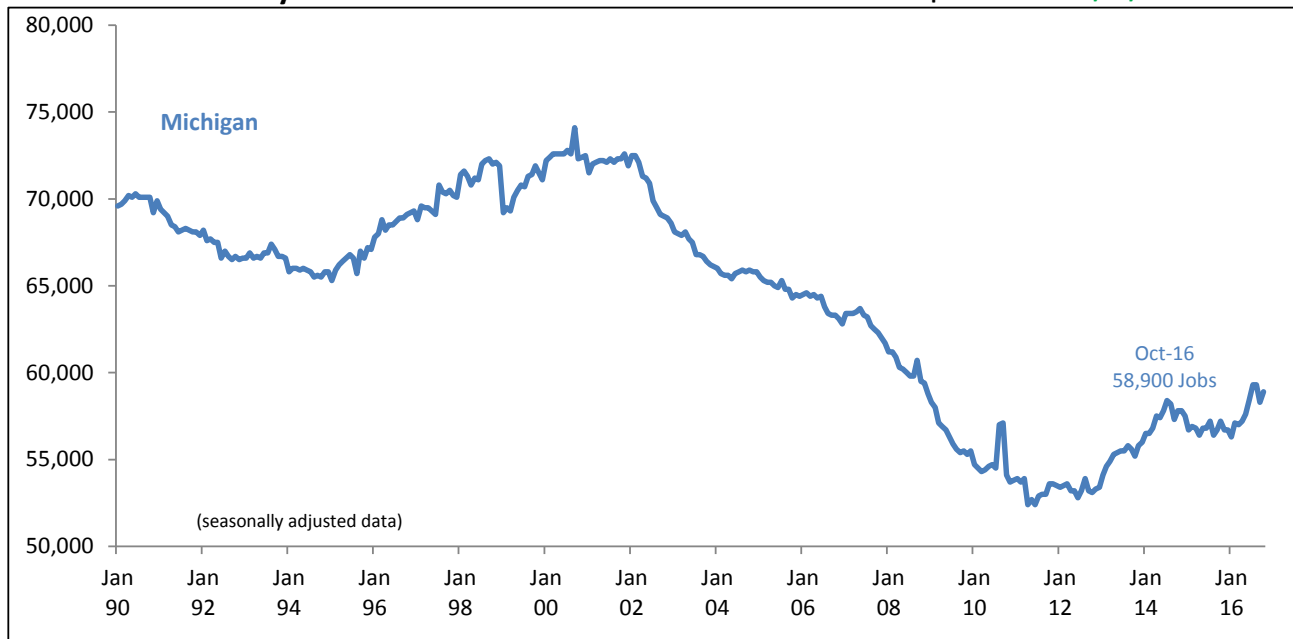
Sector payrolls grew by 6,000 over the month. This gain was partially due to an atypical October increase in the *Construction of buildings* and *Specialty trade contractors* subsectors. Over the year, 9,600 jobs were added in the broad sector.

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

PAYROLL JOBS: INFORMATION

1990-2016 Monthly

Last Update: 11/23/16



1990 to 2015 Annual Averages (thousands of jobs)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	69.9	68.4	67.1	66.8	65.8	66.5	68.6	69.8	71.7	70.6	72.7	72.1	70.4
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	67.1	65.7	64.9	63.9	62.9	60.2	56.3	54.8	53.2	53.3	55.3	57.5	56.7

2015 & 2016 Monthly Detail (thousands of jobs)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	56.7	56.9	56.8	56.4	56.8	56.8	57.2	56.4	56.7	57.2	56.7	56.7
Rank	15 of 40	15 of 40	15 of 40	14 of 40	14 of 40	15 of 40	15 of 40	15 of 40	15 of 40	15 of 40	15 of 40	15 of 40
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI	56.3	57.1	57.0	57.2	57.6	58.4	59.3	59.3	58.3	58.9		
Rank	14 of 40	14 of 40	14 of 40	14 of 40	14 of 40	14 of 40	14 of 40	14 of 40	14 of 40	14 of 40		

Summary: October 2016

Total Jobs	58,900
#Δ / month	600
%Δ / month	1.0%
#Δ / year	1,700
%Δ / year	3.0%

Highlights

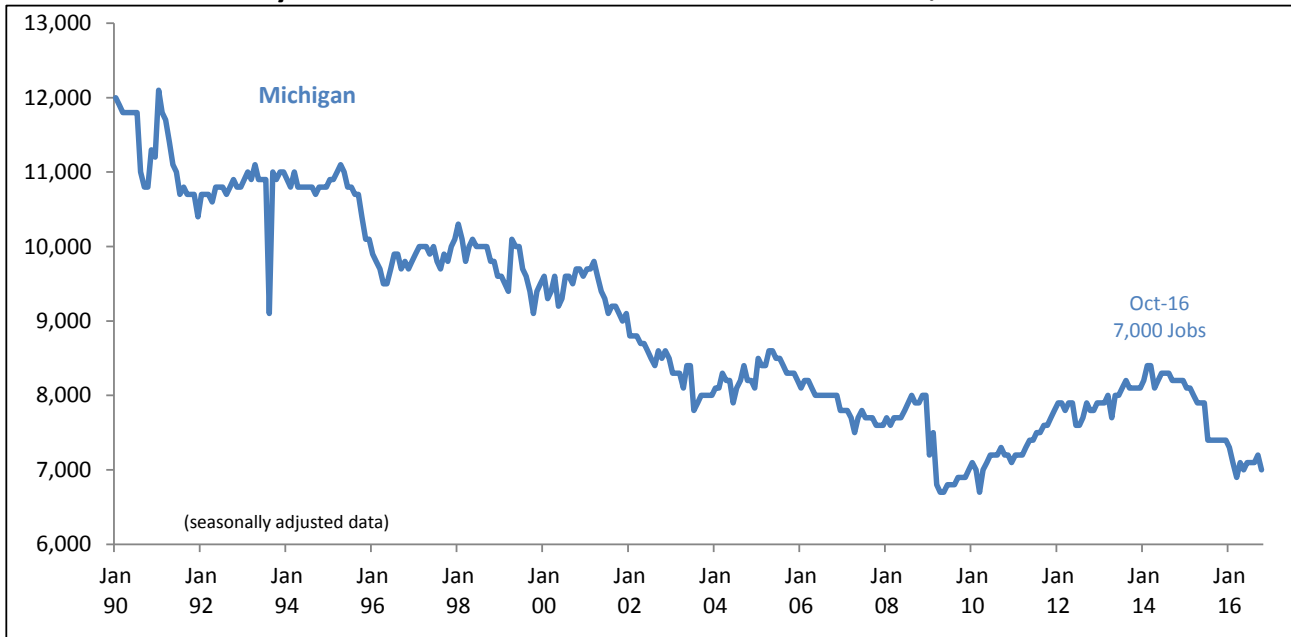
Payrolls increased by 600 over the month and by 1,700 over the year. This sector has added 2,200 jobs for the 10-month period ending in October.

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

PAYROLL JOBS: MINING & LOGGING

1990-2016 Monthly

Last Update: 11/23/16



1990 to 2015 Annual Averages (thousands of jobs)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	11.5	11.1	10.8	10.8	10.8	10.7	9.7	9.9	10.0	9.6	9.5	9.3	8.6
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	8.1	8.2	8.4	8.0	7.7	7.9	6.9	7.1	7.4	7.8	8.0	8.3	7.7

2015 & 2016 Monthly Detail (thousands of jobs)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	8.1	8.1	8.0	7.9	7.9	7.9	7.4	7.4	7.4	7.4	7.4	7.4
Rank	25 of 41	25 of 41	25 of 41	25 of 41	25 of 41	25 of 41	25 of 41	25 of 41	25 of 41	25 of 41	25 of 41	26 of 41
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MI	7.3	7.1	6.9	7.1	7.0	7.1	7.1	7.1	7.2	7.0		
Rank	24 of 41	25 of 41	26 of 41	24 of 41	25 of 41	24 of 41	24 of 41	24 of 41	24 of 41	25 of 41		

Summary: October 2016

Total Jobs	7,000
#Δ / month	◆ -200
%Δ / month	-2.8%
#Δ / year	▲ -400
%Δ / year	-5.4%

Highlights

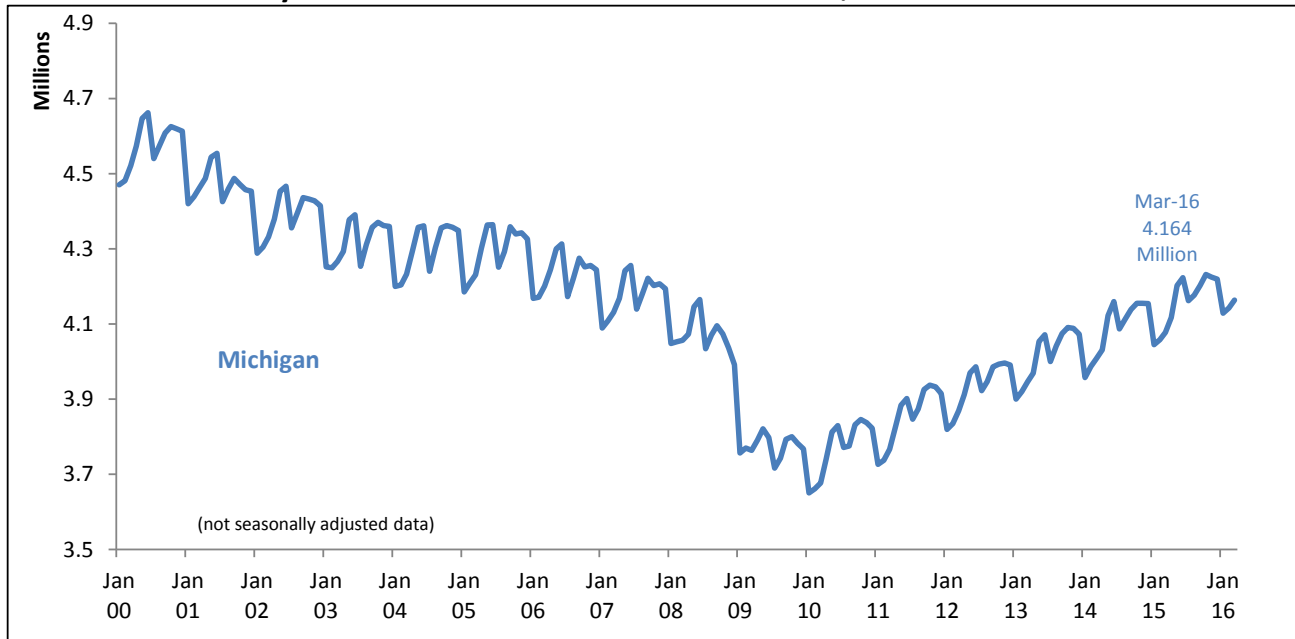
Employment decreased by 200 in October and by 400 over the year.

Source: Bureau of Labor Market Information, Current Employment Statistics (CES)

COVERED EMPLOYMENT

2000-2016 Monthly

Last Update: 9/30/16



2000 to 2015 Annual Averages (millions of employed)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
MI	4.578	4.472	4.390	4.320	4.301	4.297	4.235	4.178	4.070	3.775	3.771
	2011	2012	2013	2014	2015						
MI	3.856	3.936	4.019	4.089	4.162						

2015 & 2016 Monthly Detail (millions of employed)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI	4.045	4.058	4.078	4.117	4.202	4.223	4.162	4.176	4.203	4.232	4.225	4.219
	Jan-16	Feb-16	Mar-16									
MI	4.129	4.143	4.164									

Summary: March 2016

Employment	4,163,675
#Δ / year	86,000
%Δ / year	2.1%

Highlights

In March 2016, Michigan's covered employment levels were higher than in March 2015. Employment has increased by 486,362 since reaching the lowest March level in 2010, a 13.2 percent gain since that time.

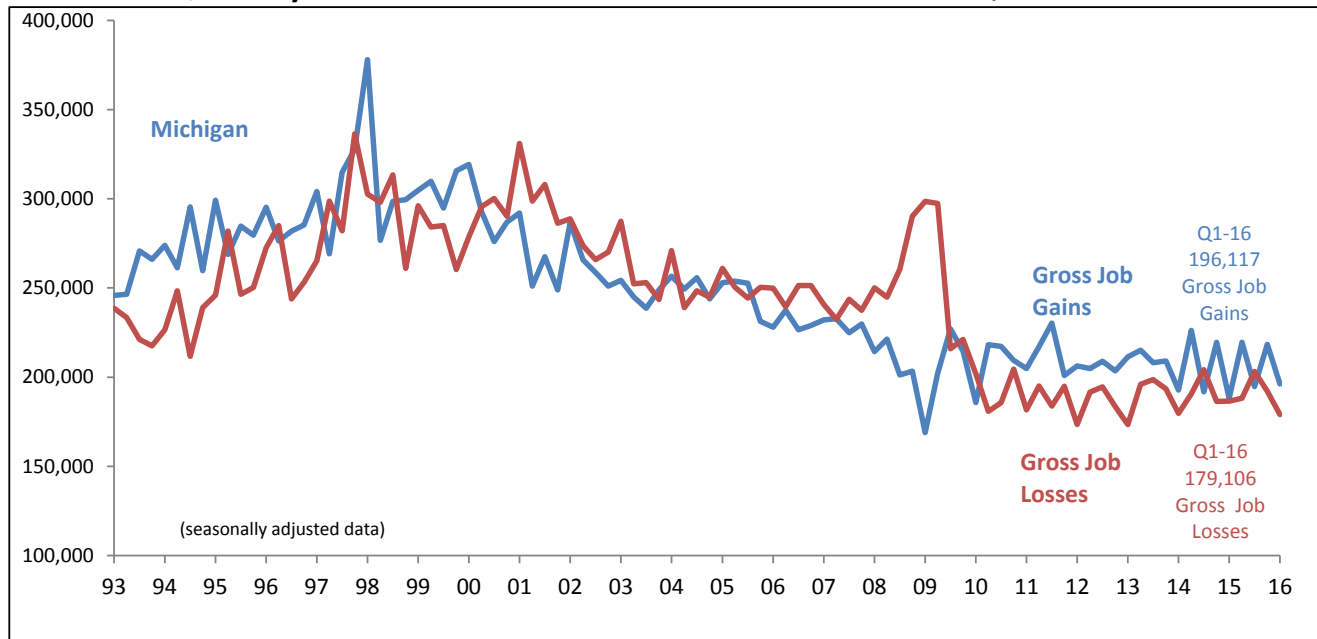
The QCEW program publishes a quarterly report of employment and wages for employers covered under the state's Unemployment Insurance Law. It covers more than about 95 percent of Michigan jobs.

Source: Bureau of Labor Market Information, Quarterly Census of Employment & Wages (QCEW)

PRIVATE SECTOR GROSS JOB GAINS & LOSSES

1993-2015 Quarterly

Last Update: **11/23/16**



Q1 2005 to Q4 2010 Quarterly

MI	Q1-05	Q2-05	Q3-05	Q4-05	Q1-06	Q2-06	Q3-06	Q4-06	Q1-07	Q2-07	Q3-07	Q4-07
Job Gains	252,977	253,885	252,691	231,245	228,073	237,436	226,480	228,985	232,055	232,734	224,955	229,747
Job Losses	260,979	250,333	244,336	250,414	249,910	239,426	251,389	251,390	240,784	232,506	243,702	237,420

MI	Q1-08	Q2-08	Q3-08	Q4-08	Q1-09	Q2-09	Q3-09	Q4-09	Q1-10	Q2-10	Q3-10	Q4-10
Job Gains	214,330	221,366	201,182	203,407	168,942	202,269	226,971	214,617	185,775	218,309	217,208	209,483
Job Losses	250,002	244,849	260,530	290,268	298,564	297,368	215,952	221,215	201,956	180,789	185,733	204,524

2011 to 2016 Quarterly Detail

MI	Q1-11	Q2-11	Q3-11	Q4-11	Q1-12	Q2-12	Q3-12	Q4-12	Q1-13	Q2-13	Q3-13	Q4-13
Job Gains	204,904	217,128	230,333	200,844	206,252	204,763	208,858	203,599	211,374	215,070	208,078	209,037
Job Losses	181,625	195,084	183,851	194,816	173,558	191,662	194,568	183,379	173,414	195,992	198,592	193,430
MI	Q1-14	Q2-14	Q3-14	Q4-14	Q1-15	Q2-15	Q3-15	Q4-15	Q1-16			
Job Gains	192,732	226,264	191,706	219,489	188,129	219,500	194,705	218,432	196,117			
Job Losses	179,693	190,680	204,126	186,387	186,487	188,160	203,207	192,084	179,106			

Summary: 2016 Q1

Gross Job Gains	196,117
#Δ / Year	7,988
%Δ / Year	4.2%
Gross Job Losses	179,106
#Δ / year	-7,381
%Δ / year	-4.0%

Highlights

Gross job gains are the sum of increases in employment from expansions at existing establishments and the addition of new jobs at opening establishments with zero employment in the third month of the prior quarter. Gross job gains for 1st quarter 2016 were higher than the prior year by 4.2 percent due to greater job gains from business expansions.

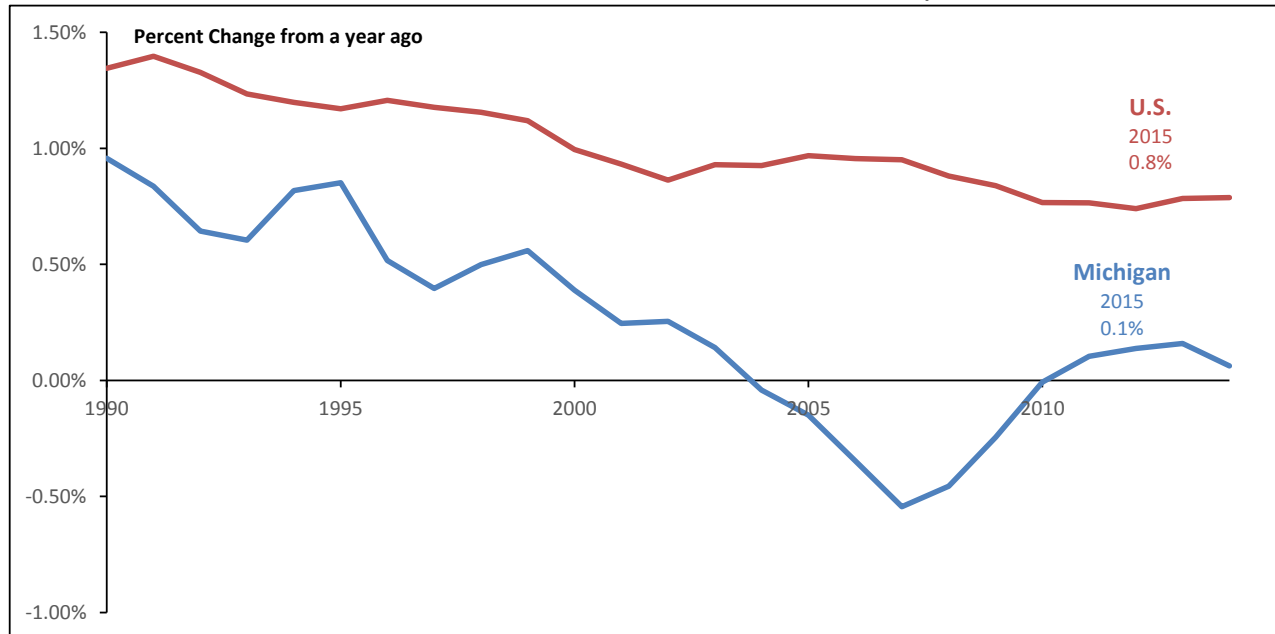
Gross Job Losses are the result of contractions in employment at existing establishments and job losses at closing businesses, with positive third month employment in the prior quarter and none in the current quarter. Gross job losses were down by 4.0 percent the year with fewer losses from business closings. Gross job gains exceeded losses by 17,011.

Source: Bureau of Labor Market Information, Business Employment Dynamics (BED)

MICHIGAN POPULATION

1990-2015 Annual

Last Update: 1/29/16



1990 to 2015 Annual Averages (millions of people)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	9.311	9.400	9.479	9.540	9.598	9.676	9.759	9.809	9.848	9.897	9.952	9.991	10.016
US	249.6	253.0	256.5	259.9	263.1	266.3	269.4	272.6	275.9	279.0	282.2	285.0	287.6
MI Rank	8	8	8	8	8	8	8	8	8	8	8	8	8

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	10.041	10.055	10.051	10.036	10.001	9.947	9.902	9.877	9.877	9.887	9.901	9.916	9.923
US	290.1	292.8	295.5	298.4	301.2	304.1	306.8	309.3	311.7	314.1	316.4	318.9	321.4
MI Rank	8	8	8	8	8	8	8	8	8	9	9	10	10

1990 to 2015 Change from a Year Ago (%)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	0.6%	1.0%	0.8%	0.6%	0.6%	0.8%	0.9%	0.5%	0.4%	0.5%	0.6%	0.4%	0.2%
US	1.1%	1.3%	1.4%	1.3%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.1%	1.0%	0.9%

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	0.3%	0.1%	0.0%	-0.1%	-0.3%	-0.5%	-0.5%	-0.2%	0.0%	0.1%	0.1%	0.2%	0.1%
US	0.9%	0.9%	0.9%	1.0%	1.0%	1.0%	0.9%	0.8%	0.8%	0.8%	0.7%	0.8%	0.8%

Summary: CY 2015

MI Population	9,922,576
MI Rank	10
%Δ Year Ago	0.1%

Highlights

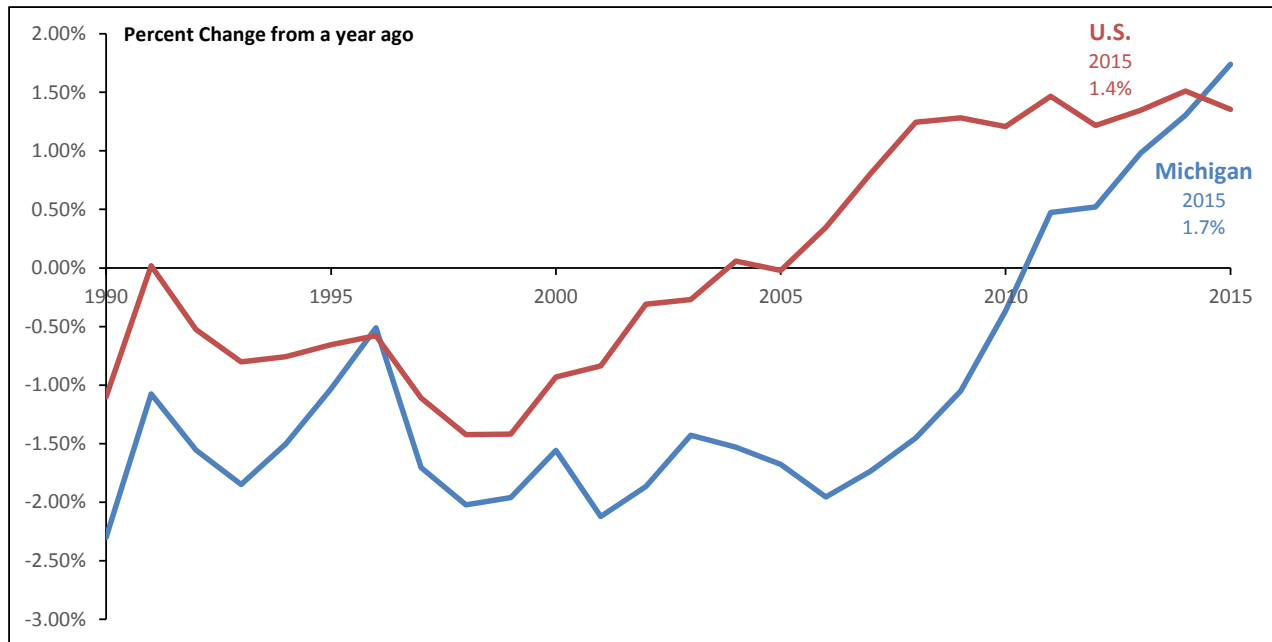
Michigan's population grew in 2015 to 9.923 million. Michigan's overall population ranked 10th nationally in 2015.

Source: Bureau of the Census

MICHIGAN POPULATION AGE 25 to 34

1990-2015 Annual

Last Update: 11/23/16



1990 to 2015 Annual Averages (millions of people)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	1.574	1.557	1.533	1.505	1.482	1.467	1.459	1.434	1.405	1.378	1.356	1.328	1.303
US	43.2	43.2	43.0	42.7	42.3	42.1	41.8	41.3	40.8	40.2	39.8	39.5	39.3
MI Rank	8	8	8	8	8	8	8	8	8	8	8	8	8

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	1.284	1.265	1.243	1.219	1.198	1.181	1.168	1.164	1.169	1.175	1.187	1.202	1.223
US	39.2	39.3	39.3	39.4	39.7	40.2	40.7	41.2	41.8	42.3	42.9	43.5	44.1
MI Rank	8	9	9	9	9	10	10	10	10	10	10	10	10

1990 to 2015 Change from a Year Ago (%)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	-2.3%	-1.1%	-1.6%	-1.8%	-1.5%	-1.0%	-0.5%	-1.7%	-2.0%	-2.0%	-1.6%	-2.1%	-1.9%
US	-1.1%	0.0%	-0.5%	-0.8%	-0.8%	-0.7%	-0.6%	-1.1%	-1.4%	-1.4%	-0.9%	-0.8%	-0.3%

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	-1.4%	-1.5%	-1.7%	-2.0%	-1.7%	-1.4%	-1.1%	-0.4%	0.5%	0.5%	1.0%	1.3%	1.7%
US	-0.3%	0.1%	0.0%	0.3%	0.8%	1.2%	1.3%	1.2%	1.5%	1.2%	1.3%	1.5%	1.4%

Summary: CY 2015

MI Pop 25-34 **1,223,408**
MI Rank 10
 %Δ Year Ago ● 1.7%

Highlights

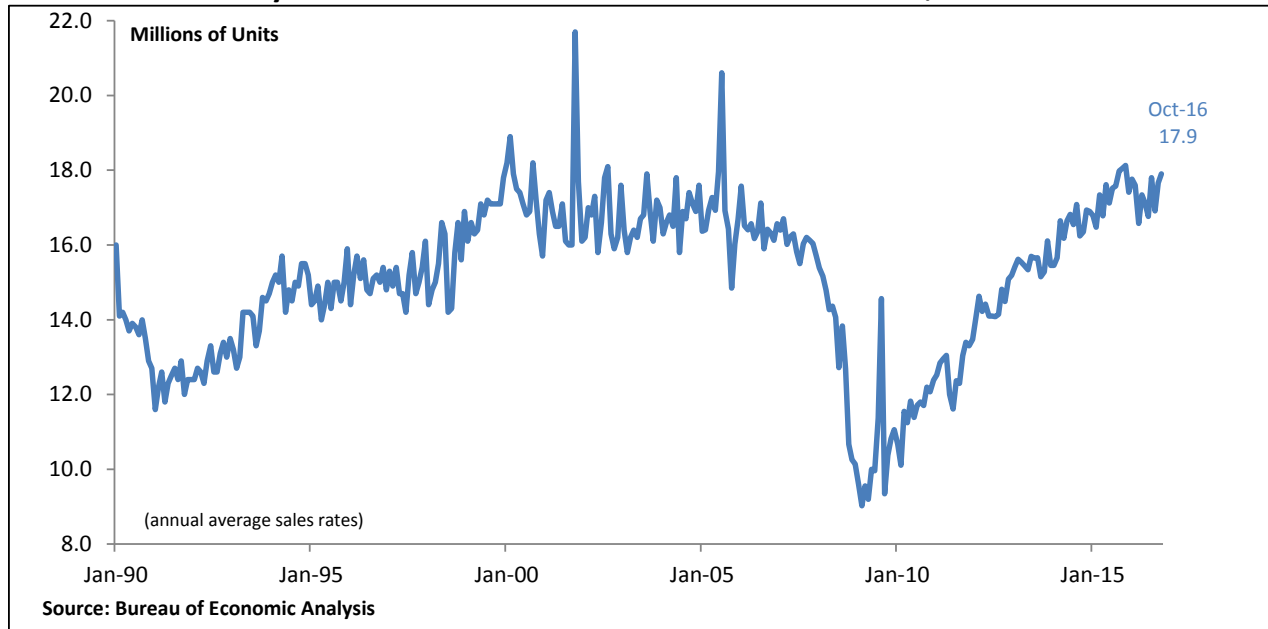
Michigan's population age 25 to 34 grew in 2015 to 1,223,408. Michigan's population age 25 to 34 ranked 10th nationally in 2015.

Source: Bureau of the Census

U.S. LIGHT VEHICLE SALES

1990-2016 Monthly

Last Update: 11/23/16



1990 to 2015 Annual Average (annual average sales rate in millions)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
LV Sales	13.9	12.3	12.9	13.9	15.0	14.7	15.1	15.1	15.5	16.9	17.3	17.1	16.8
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
LV Sales	16.6	16.9	16.9	16.5	16.1	13.2	10.4	11.6	12.7	14.4	15.5	16.5	17.4

2015 & 2016 Monthly Detail (seasonally adjusted annual sales rate in millions)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
LV Sales	16.8	16.5	17.3	16.8	17.6	17.1	17.5	17.6	18.0	18.0	18.1	17.4
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
LV Sales	17.8	17.6	16.6	17.3	17.1	16.8	17.8	16.9	17.7	17.9		

Summary: October 2016

LV Sales (mill)	17.9
#Δ / month	0.2
%Δ / month	1.4%
#Δ / year	-0.1
%Δ / year	-0.8%

Highlights

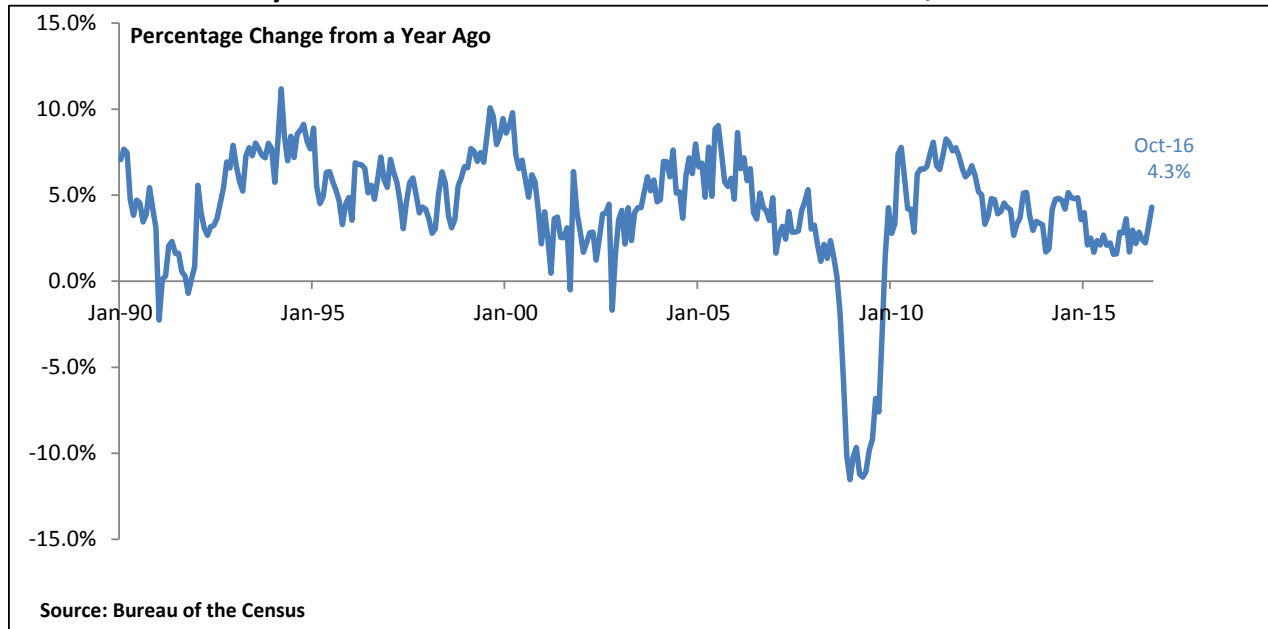
Light vehicle sales increased 1.4 percent in October from September to a 17.9 million unit annual average rate. Rising incomes and residential construction helped boost vehicle sales rates. In 2017, vehicle sales may face headwinds from rising interest rates and potentially more restrictive financing if auto loan delinquencies continue to rise. From a year ago, light vehicle sales were down 0.8 percent in October.

Source: Bureau of Economic Analysis

U.S. RETAIL SALES

1990-2016 Monthly

Last Update: 11/23/16



Year to Year Trend Table (percent change)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
R Sales	5.0%	0.6%	4.7%	7.2%	8.2%	5.4%	5.9%	5.1%	4.6%	8.1%	6.5%	2.9%	2.4%
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
R Sales	4.4%	6.2%	6.5%	5.3%	3.3%	-1.3%	-7.0%	5.4%	7.3%	4.9%	3.8%	4.1%	2.3%

YTD Trend Table 1 (percent change from a year ago)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
R Sales	4.0%	2.1%	2.5%	1.7%	2.4%	2.1%	2.7%	2.1%	2.2%	1.6%	1.6%	2.8%
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
R Sales	2.8%	3.6%	1.7%	3.0%	2.2%	2.8%	2.4%	2.2%	3.2%	4.3%		

YTD Trend Table 2 (percent change from a month ago)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
R Sales	-0.5%	-0.5%	1.6%	0.0%	0.9%	0.1%	0.5%	0.1%	0.0%	-0.2%	0.4%	0.4%
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
R Sales	-0.5%	0.3%	-0.3%	1.2%	0.2%	0.7%	0.1%	0.0%	1.0%	0.8%		

Summary: October 2016

Retail Sales (bill.)	\$465.9
%Δ Year Ago	4.3%
%Δ / month	0.8%

Highlights

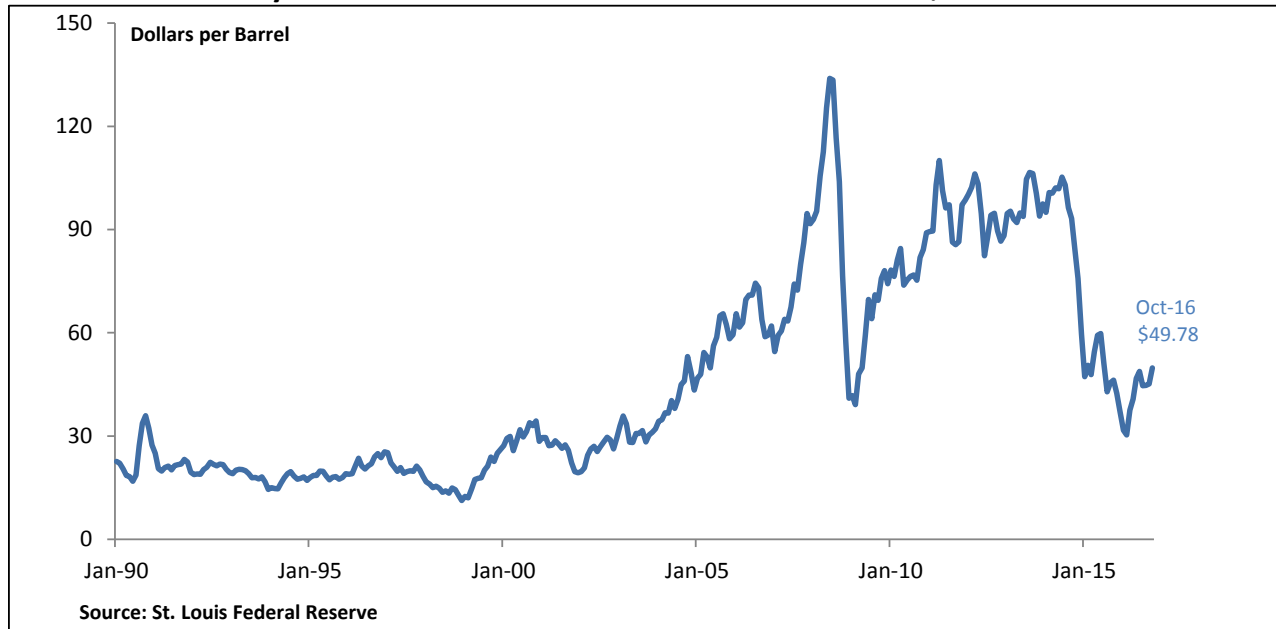
Retail sales increased 0.8 percent in October compared to September. Retail sales rebounded sharply after two weak months. From a year ago, retail sales increased 4.3 percent in October, the highest since November 2014. The outlook is bright for the upcoming year as economic fundamentals remain strong.

Source: Bureau of the Census

OIL PRICES

1990-2016 Monthly

Last Update: **11/23/16**



1990 to 2015 Annual Average (dollars per barrel)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Oil Price	24.49	21.48	20.56	18.46	17.19	18.43	22.15	20.60	14.39	19.25	30.30	25.92	26.10
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Oil Price	31.14	41.44	56.47	66.10	72.36	99.57	61.69	79.43	95.08	94.20	97.75	93.15	48.69

2015 & 2016 Monthly Detail (dollars per barrel)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
Oil Price	47.22	50.58	47.82	54.45	59.26	59.82	50.90	42.87	45.48	46.22	42.44	37.21
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
Oil Price	31.68	30.32	37.55	40.76	46.71	48.76	44.65	44.72	45.18	49.78		

Summary: October 2016

Oil Prices	\$49.78
#Δ / month	\$4.60
%Δ / month	0.0%
#Δ / year	\$3.56
%Δ / year	7.7%

Highlights

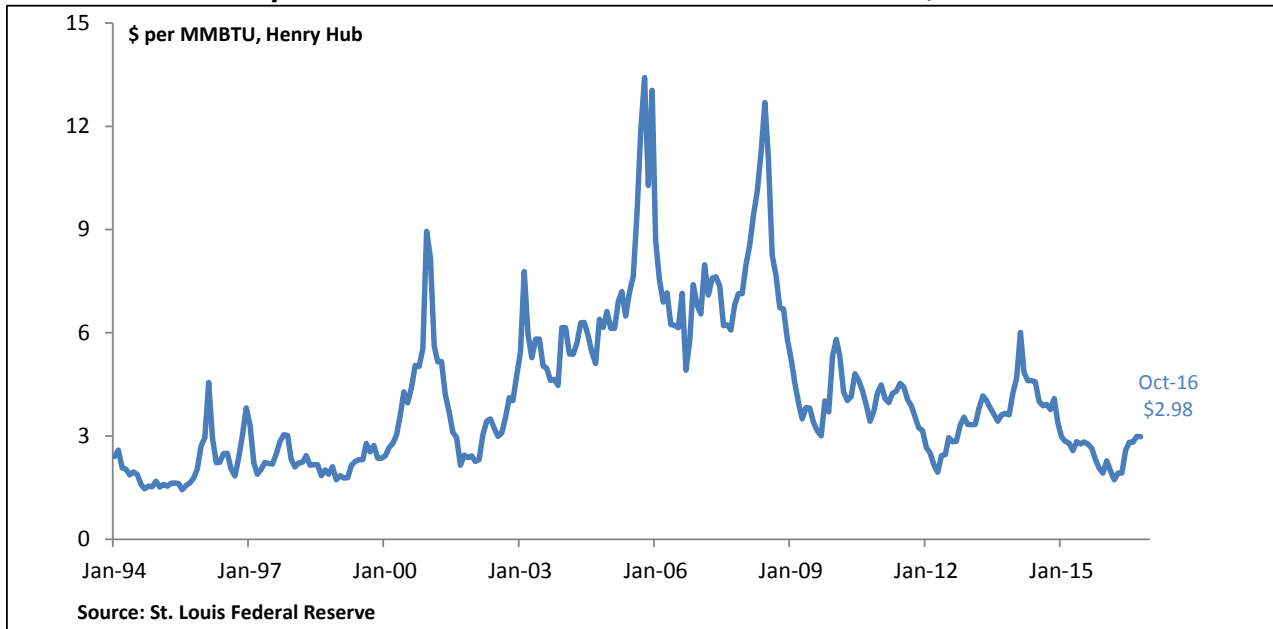
The average price per barrel of oil increased \$4.60 in October from September to \$49.78 per barrel. From a year ago, oil prices are up 7.7 percent.

Source: St. Louis Federal Reserve Database

NATURAL GAS PRICES

1994-2016 Monthly

Last Update: 11/23/16



1994 to 2015 Annual Average (\$ per MMBTU)

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
NG Price	1.89	1.73	2.75	2.48	2.09	2.27	4.31	3.96	3.36	5.50	5.91	8.81	6.74
	2007	2008	2009	2010	2011	2012	2013	2014	2015				
NG Price	6.98	8.86	3.95	4.39	4.00	2.75	3.73	4.37	2.61				

2015 & 2016 Monthly Detail (\$ per MMBTU)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
NG Price	2.97	2.85	2.80	2.58	2.84	2.77	2.83	2.76	2.64	2.32	2.07	1.92
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
NG Price	2.28	1.99	1.73	1.92	1.92	2.59	2.82	2.82	2.99	2.98		

Summary: October 2016

NG Price	\$2.98
#Δ / month	-\$0.01
%Δ / month	▲ -0.3%
#Δ / year	\$0.66
%Δ / year	◆ 28.4%

Highlights

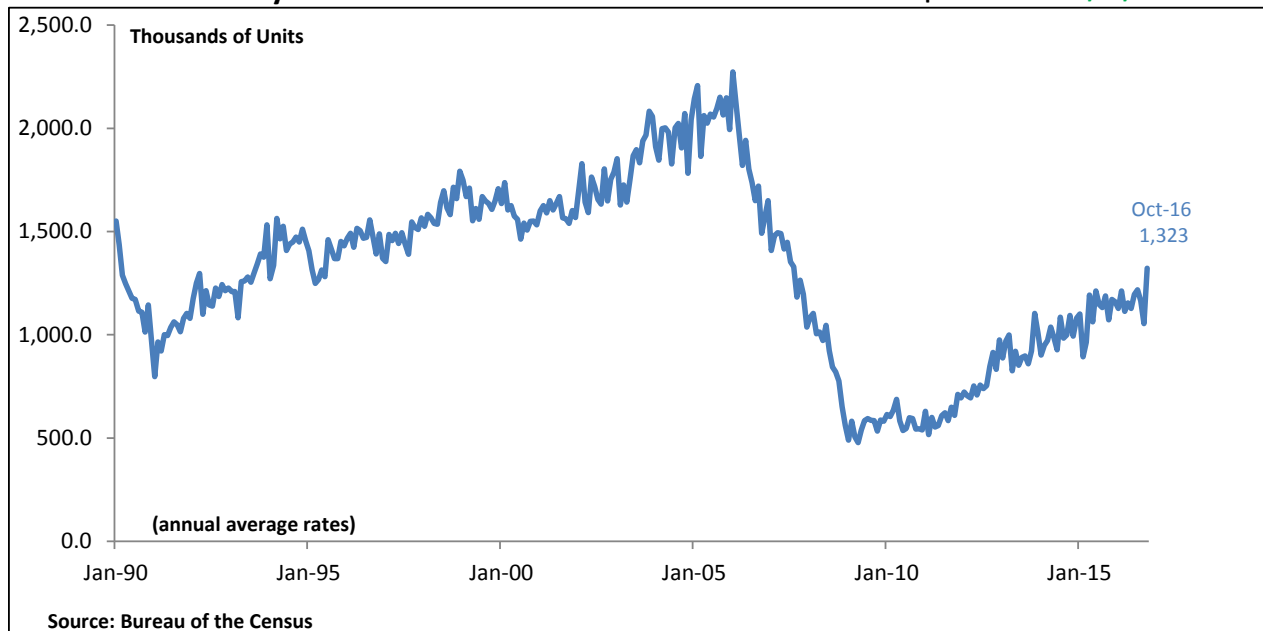
Natural gas prices decreased 0.3 percent in October from September. Compared to a year ago, natural gas prices are up 28.4 percent.

Source: St. Louis Federal Reserve Database

U.S. HOUSING STARTS

1990-2016 Monthly

Last Update: 11/23/16



1990 to 2015 Annual Averages (thousands of starts)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
HS	1,203	1,009	1,201	1,292	1,446	1,361	1,469	1,475	1,621	1,647	1,573	1,601	1,710
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
HS	1,854	1,950	2,073	1,812	1,342	900	554	586	612	781	923	1,003	1,111

2015 & 2016 Monthly Detail (annual average rate in thousands)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
HS	1,101	893	964	1,192	1,063	1,213	1,147	1,132	1,189	1,073	1,171	1,160
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
HS	1,128	1,213	1,113	1,155	1,128	1,195	1,218	1,164	1,054	1,323		

Summary: October 2016

HS (000s)	1,323
#Δ / month	269
%Δ / month	● 25.5%
#Δ / year	250
%Δ / year	● 23.3%

Highlights

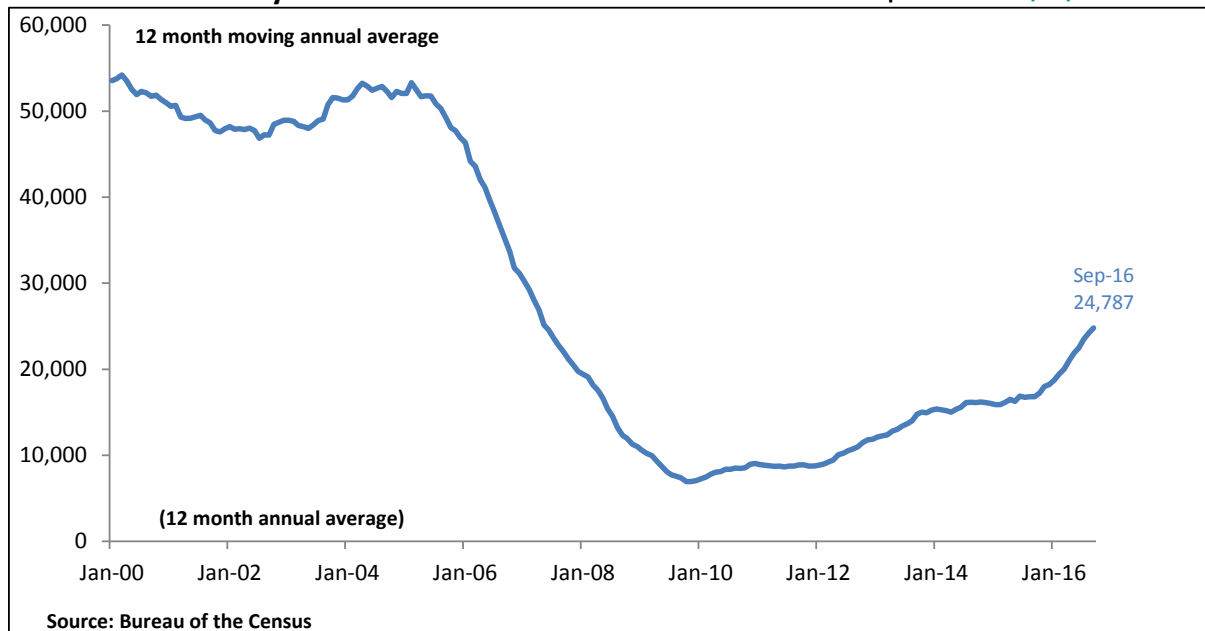
Housing starts totaled an annual average rate of 1,323,000 in October, up 25.5 percent from September. October levels mark the highest level for housing starts during the post-recession recovery. Part of October's strength may be from the slightly lower starts observed in August and September. From a year ago, housing starts were up 23.3 percent in October.

Source: Bureau of the Census

MICHIGAN BUILDING PERMITS FOR HOUSING STARTS

2000-2016 Monthly

Last Update: 10/28/16



2000 to 2015 Annual Averages (thousands of permits)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
BP	52.5	50.1	50.0	53.9	54.7	45.3	29.2	17.8	10.9	6.9	9.1	9.3	11.7
	2013	2014	2015										
BP	15.8	15.7	18.2										

2015 & 2016 Monthly Detail (12 month moving average annual rate in thousands)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
BP	15.88	15.90	16.16	16.50	16.25	16.86	16.75	16.80	16.82	17.24	17.99	18.23
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16			
BP	18.73	19.45	20.02	20.99	21.88	22.46	23.47	24.20	24.79			

Summary: September 2016

BP (000s)	24.79
#Δ / month	0.59
%Δ / month	2.4%
#Δ / year	7.97
%Δ / year	47.4%

Highlights

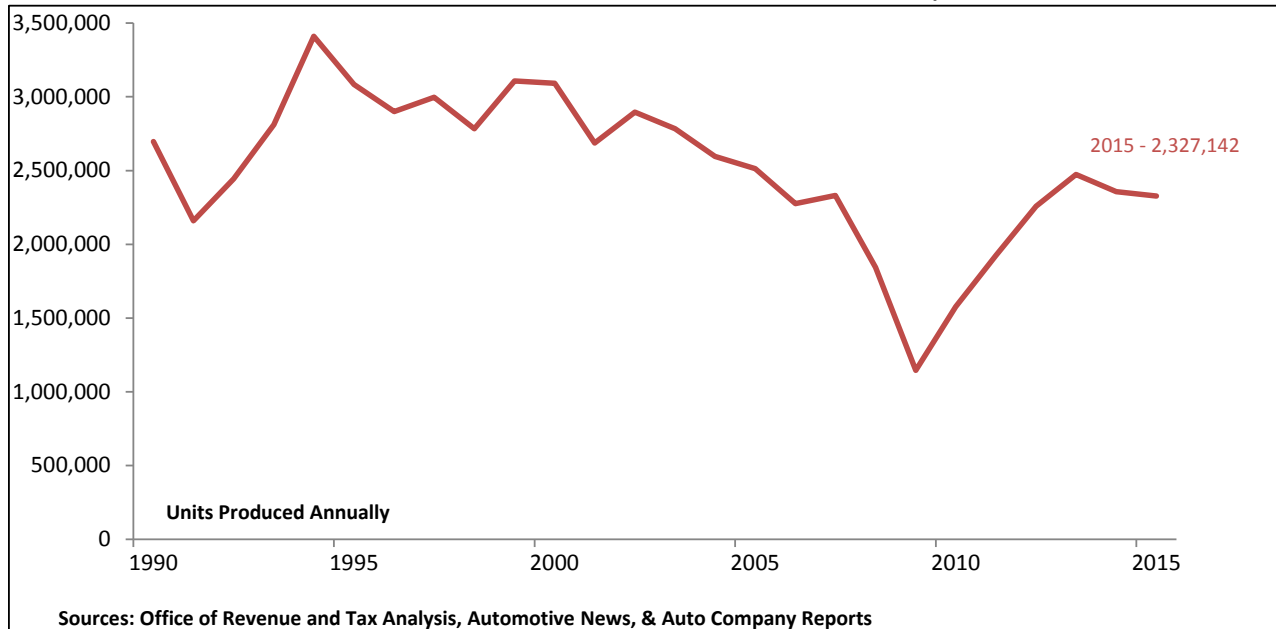
Michigan building permits for new houses in September were up from last month based on an annualized 12-month moving average. The latest 12-month moving average is 47.4 percent higher than a year ago. While still down from the highs in the early 2000s, building permits continue to increase.

Source: Bureau of the Census

MICHIGAN MOTOR VEHICLE PRODUCTION

1990-2015 Annual

Last Update: 11/23/16



1990 to 2015 Totals (units in thousands)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MV Prod.	2,697	2,160	2,444	2,811	3,410	3,084	2,899	2,996	2,783	3,108	3,093	2,687	2,896
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MV Prod.	2,784	2,596	2,514	2,275	2,331	1,844	1,146	1,577	1,924	2,259	2,474	2,358	2,327

2015 & 2016 Monthly Detail (units in thousands)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MV Prod.	175.2	198.1	224.9	204.0	209.9	200.6	172.2	191.7	208.9	200.6	182.3	158.6
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16		
MV Prod.	163.8	203.1	201.1	206.7	229.2	249.6	164.7	213.2	209.0	197.8		

Summary: October 2016

MV Prod. (000s)	197.8
#Δ / month	-11.2
%Δ / month	◆ -5.3%
#Δ / year	-2.8
%Δ / year	◆ -1.4%

Highlights

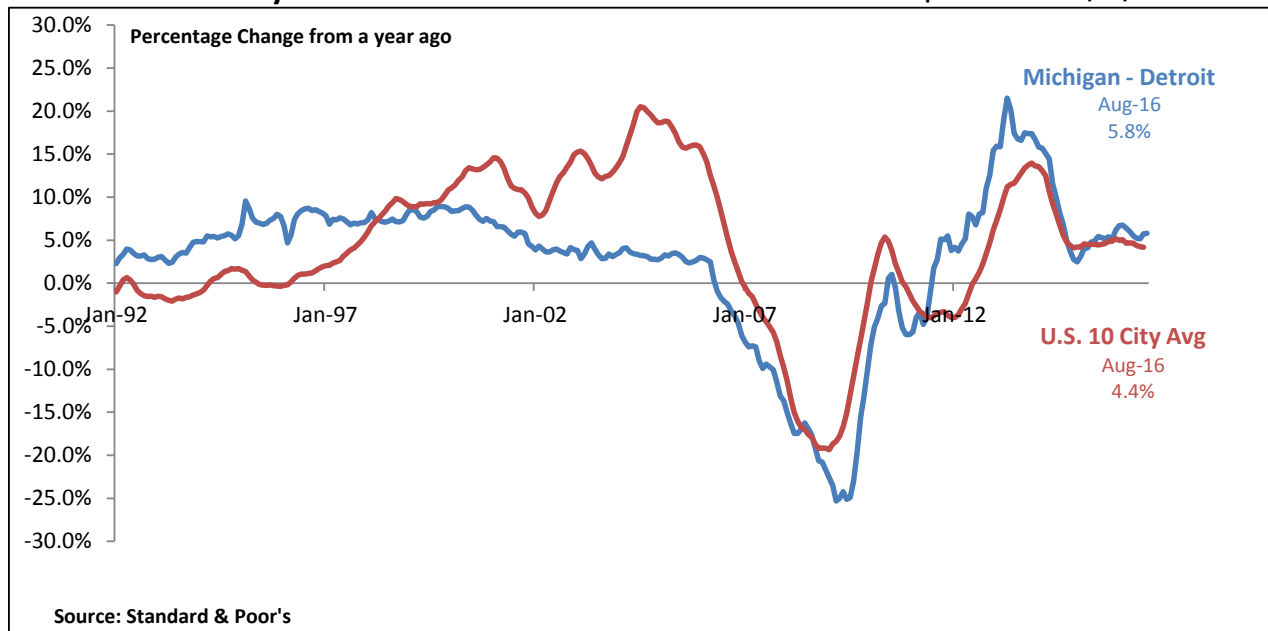
Michigan motor vehicle production totaled 197,800 units in October, which was down 5.3 percent from last month. Production decreased 1.4 percent from a year ago.

Sources: Office of Revenue and Tax Analysis, Automotive News, & Auto Company Reports

CASE-SHILLER HOME PRICE INDEX

1992-2016 Monthly

Last Update: 10/28/16



Year to Year Trend Table (percent change)

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
MI -Det	n/a	3.2%	3.4%	5.3%	7.6%	7.6%	7.2%	7.4%	8.4%	8.1%	5.9%	3.8%	3.5%
US - 10 City		-0.7%	-1.7%	0.7%	0.2%	0.9%	3.4%	8.3%	9.4%	12.9%	11.8%	11.0%	13.5%

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI -Det	3.3%	3.0%	-1.4%	-9.6%	-18.0%	-21.0%	-3.4%	0.1%	7.9%	17.7%	9.3%	5.0%
US - 10 City	18.2%	17.0%	7.6%	-4.4%	-16.8%	-12.6%	2.2%	-3.4%	0.3%	11.6%	8.1%	4.6%

Year to Date Trend Table (percent change from a year ago)

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
MI -Det	3.1%	4.0%	4.1%	4.8%	4.9%	5.4%	5.3%	5.2%	5.4%	5.1%	6.1%	6.7%
US - 10 City	4.2%	4.6%	4.5%	4.5%	4.5%	4.4%	4.5%	4.6%	4.8%	4.9%	5.2%	5.0%

	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16
MI -Det	6.7%	6.4%	6.0%	5.5%	5.2%	5.2%	5.7%	5.8%
US - 10 City	5.0%	4.6%	4.7%	4.6%	4.4%	4.2%	4.2%	4.4%

Summary: August 2016

Det CSH Index 106.90
(Jan 2000 = 100)
%Δ Year Ago ● 5.8%

Highlights

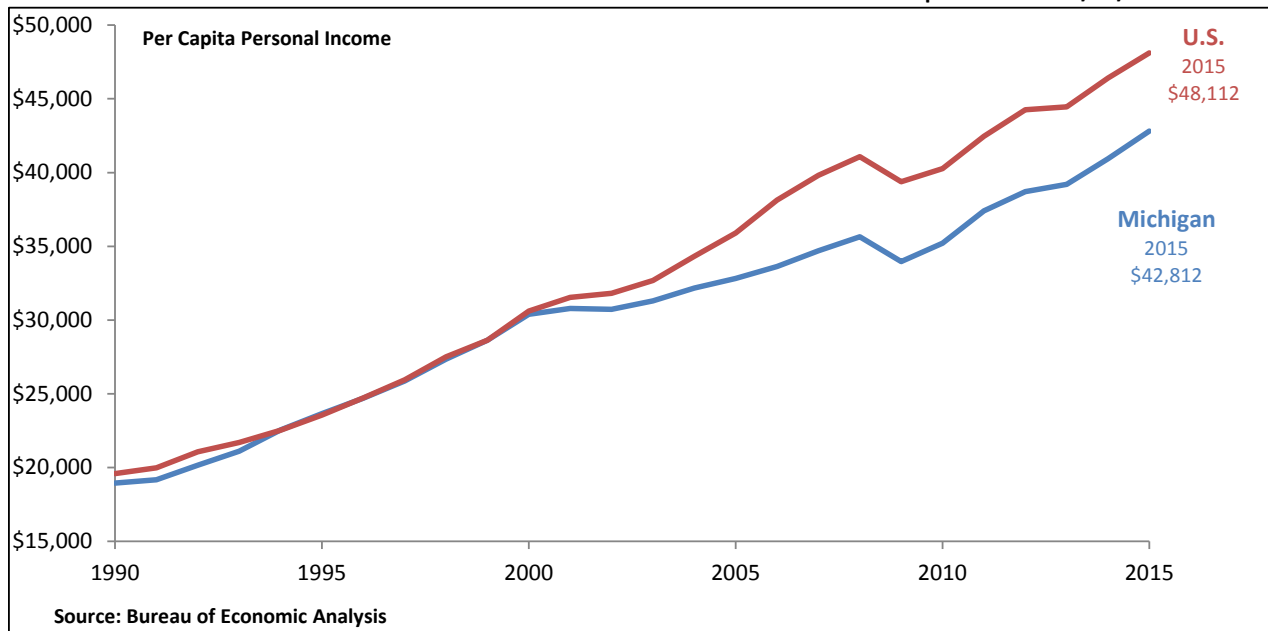
Detroit housing prices were up 5.8 percent in August from a year ago, while US home prices were up 4.4 percent according to the Case-Shiller Home Price Index. Detroit home prices have been rising year-over-year since July 2011, but overall prices are still well below the peak of early 2006.

Source: S&P Dow Jones Indices & Fiserv

PER CAPITA PERSONAL INCOME

1990-2015 Annual

Last Update: 9/30/16



1990 to 2015 Annual Averages (\$)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	18,949	19,165	20,167	21,106	22,559	23,664	24,696	25,874	27,348	28,640	30,391	30,786	30,729
US	19,591	19,985	21,060	21,698	22,538	23,568	24,728	25,950	27,510	28,627	30,602	30,729	31,815
MI Rank	20	20	20	20	18	19	18	18	17	16	16	20	23
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	31,306	32,167	32,813	33,638	34,691	35,644	33,966	35,204	37,398	38,700	39,208	40,940	42,812
US	32,692	34,316	35,904	38,144	39,821	41,082	39,376	40,277	42,453	44,267	44,462	46,414	48,112
MI Rank	24	25	26	36	38	37	40	38	36	38	35	34	32

1990 to 2015 Change in Annual Averages (%)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MI	4.0%	1.1%	5.2%	4.7%	6.9%	4.9%	4.4%	4.8%	5.7%	4.7%	6.1%	1.3%	-0.2%
US	5.0%	2.0%	5.4%	3.0%	3.9%	4.6%	4.9%	4.9%	6.0%	4.1%	6.9%	0.4%	3.5%
MI Rank	39	45	29	7	3	16	36	24	28	13	28	48	44
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MI	1.9%	2.8%	2.0%	2.5%	3.1%	2.7%	-4.7%	3.6%	6.2%	3.5%	1.3%	4.4%	4.6%
US	2.8%	5.0%	4.6%	6.2%	4.4%	3.2%	-4.2%	2.3%	5.4%	4.3%	0.4%	4.4%	3.7%
MI Rank	40	45	45	50	44	36	36	7	15	33	11	15	6

Summary: CY 2015

MI Per Capita	\$42,812
Michigan Rank	32
%Δ Year Ago	4.6%
Michigan Rank	6

Highlights

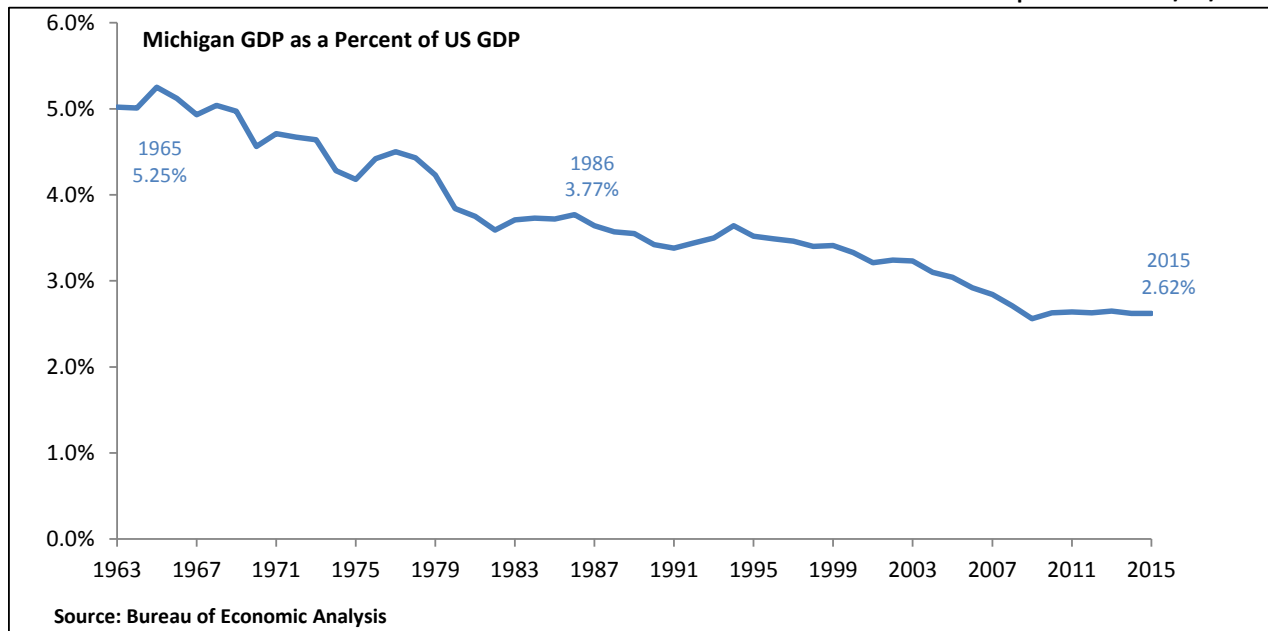
Michigan per capita personal income grew faster than the national average at 4.6% compared to 3.7% in 2015. Michigan per capita personal income is well below the national average (89% of the national average) and has not been above the national average since 1999.

Source: Bureau of Economic Analysis

MICHIGAN GDP as a % of U.S. GDP

1963-2015 Annual

Last Update: 6/24/16



1963 to 2015 Annual Averages (percentage)

	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
MI	5.02%	5.01%	5.25%	5.12%	4.93%	5.04%	4.97%	4.56%	4.71%	4.67%	4.64%	4.28%	4.18%
MI Rank	6	6	6	6	6	6	7	7	7	7	7	7	7
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MI	4.42%	4.50%	4.43%	4.23%	3.84%	3.75%	3.59%	3.71%	3.73%	3.72%	3.77%	3.64%	3.57%
MI Rank	7	7	7	7	7	7	8	8	8	8	8	9	9
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MI	3.55%	3.42%	3.38%	3.44%	3.50%	3.64%	3.52%	3.49%	3.53%	3.49%	3.53%	3.44%	3.32%
MI Rank	9	9	9	9	9	9	9	9	9	9	8	9	9
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
MI	3.35%	3.30%	3.14%	3.04%	2.88%	2.80%	2.64%	2.56%	2.61%	2.61%	2.60%	2.61%	2.60%
MI Rank	9	9	9	9	9	10	12	13	13	13	13	13	13

2015

MI 2.62%

MI Rank 13

Summary: CY 2015

MI GDP % US	2.62%
% pt Δ Year Ago	▲ 0.02
% pt Δ 10 Yrs Ago	◆ -0.43
% pt Δ 25 Yrs Ago	◆ -0.80

Michigan Rank 13

Highlights

Michigan GDP as a percent of United States GDP remained unchanged in 2015 compared to a year ago. Michigan GDP as a percent of U.S. GDP has been on a long-term decline. Compared to 25 years ago, the percentage has decreased 0.80 percentage points and Michigan's rank has declined from 9th to 13th.

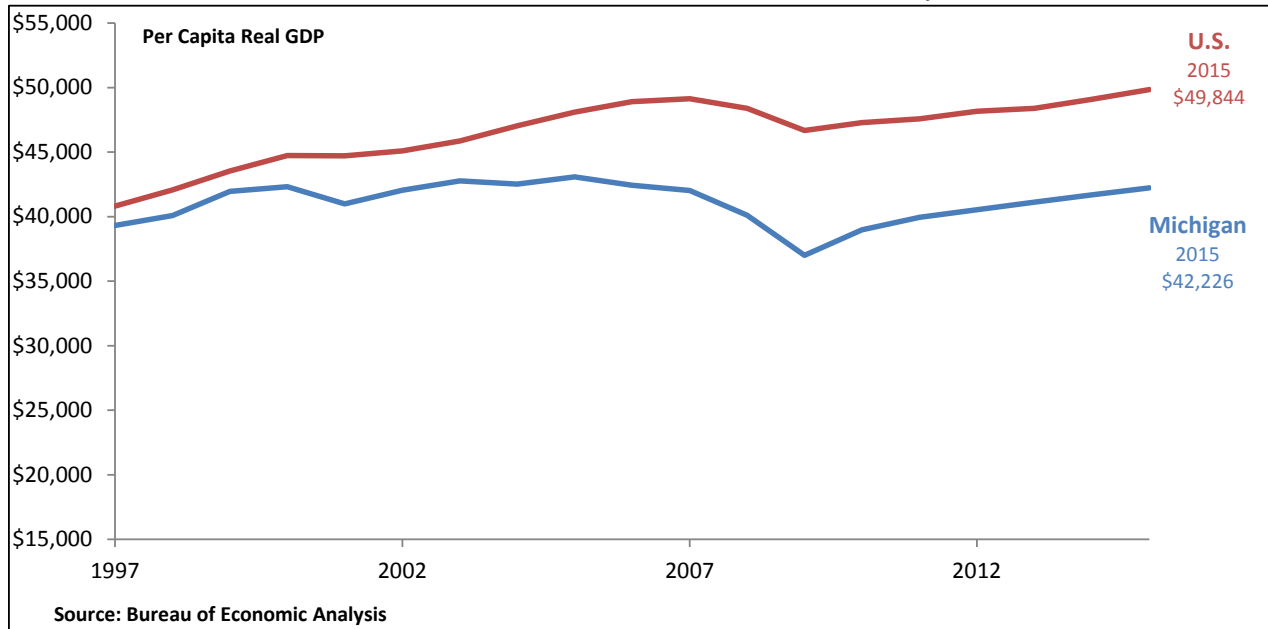
Source: Bureau of Economic Analysis

MICHIGAN PER CAPITA REAL GDP

1997-2015 Annual

Last Update:

6/24/16



1997 to 2015 Annual Averages (\$)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
MI	39,314	40,095	41,956	42,325	40,980	42,054	42,768	42,525	43,081	42,429	42,036	40,097	37,004
US	40,818	42,079	43,545	44,745	44,719	45,097	45,858	47,037	48,090	48,909	49,126	48,401	46,680
MI Rank	25	24	21	21	29	27	28	32	31	38	38	41	43

	2010	2011	2012	2013	2014	2015
MI	38,985	39,953	40,537	41,117	41,695	42,226
US	47,287	47,586	48,156	48,396	49,091	49,844
MI Rank	39	40	39	39	39	39

1997 to 2015 Change in Annual Averages (%)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
MI	NA	2.0%	4.6%	0.9%	-3.2%	2.6%	1.7%	-0.6%	1.3%	-1.5%	-0.9%	-4.6%	-7.7%
US	NA	3.1%	3.5%	2.8%	-0.1%	0.8%	1.7%	2.6%	2.2%	1.7%	0.4%	-1.5%	-3.6%
MI Rank	NA	34	7	41	48	4	32	49	37	50	42	46	48

	2010	2011	2012	2013	2014	2015
MI	5.4%	2.5%	1.5%	1.4%	1.4%	1.3%
US	1.3%	0.6%	1.2%	0.5%	1.4%	1.5%
MI Rank	3	10	13	9	22	19

Summary: CY 2015

MI Per Capita	\$42,226
Michigan Rank	39
%Δ Year Ago	1.3%
Michigan Rank	19

Highlights

Michigan per capita real GDP was below the national average for 2015. Michigan ranked 39th in per capita real GDP. Michigan per capita GDP was 84.7% of the national average. Michigan per capita real GDP grew slower than the national average in 2015 and ranked 19th nationally by yearly growth rate.

Source: Bureau of Economic Analysis