

Oklahoma Employment Security Commission



*Oklahoma*

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# OKLAHOMA YOUTH LABOR FORCE

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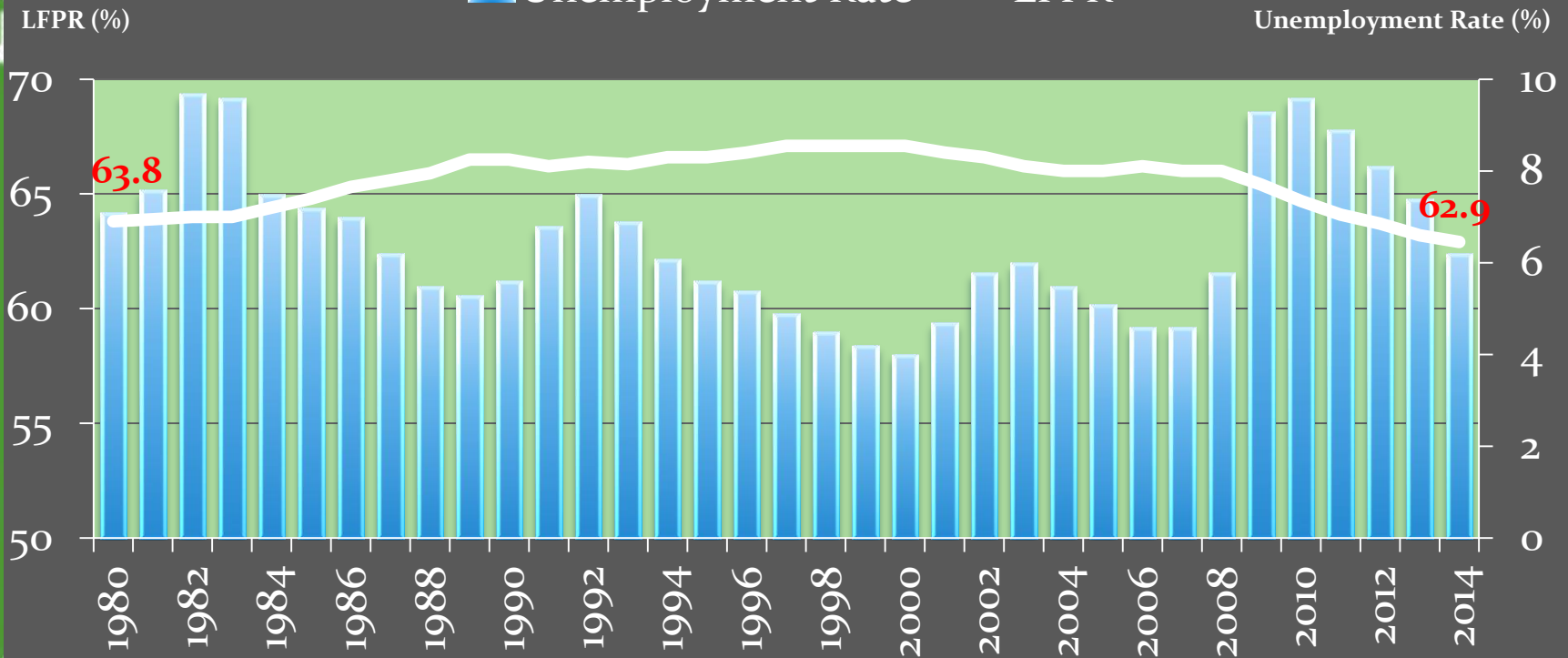
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# United States Unemployment Rate and Labor Force Participation Rate (1980-2014)

■ Unemployment Rate — LFPR

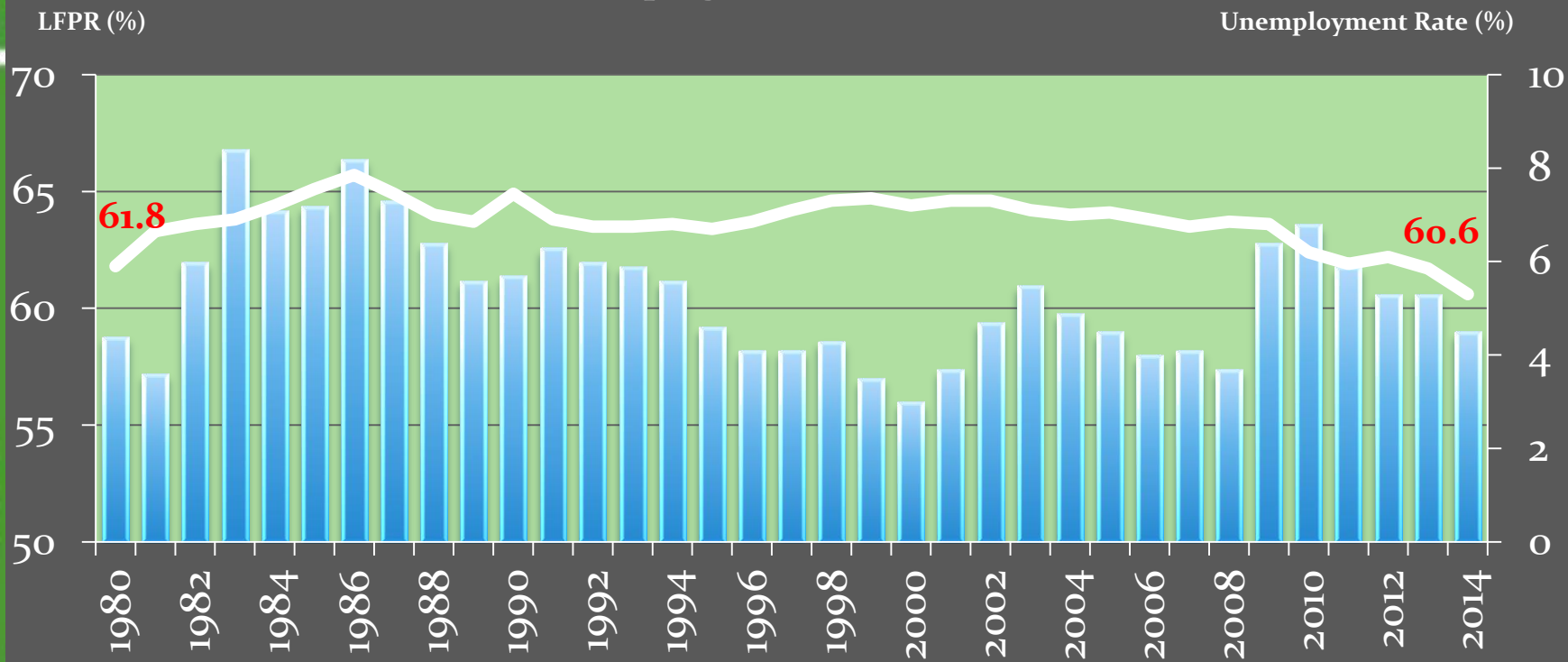


- The United States (U.S.) unemployment rate has been volatile from 1980 to 2014.
- During that time period, the U.S. civilian labor force participation rate (LFPR) saw a 0.9 percentage point decline from 63.8 to 62.9 percent
- The lowest annual average unemployment rate was in 2000 at 4.0 percent at the same time that LFPR was at an all-time high at 67.1 percent.

Source: Current Population Survey, U.S. Bureau of Labor Statistics (Non-Seasonally Adjusted Data)

# Oklahoma Unemployment Rate and Labor Force Participation Rate (1980-2014)

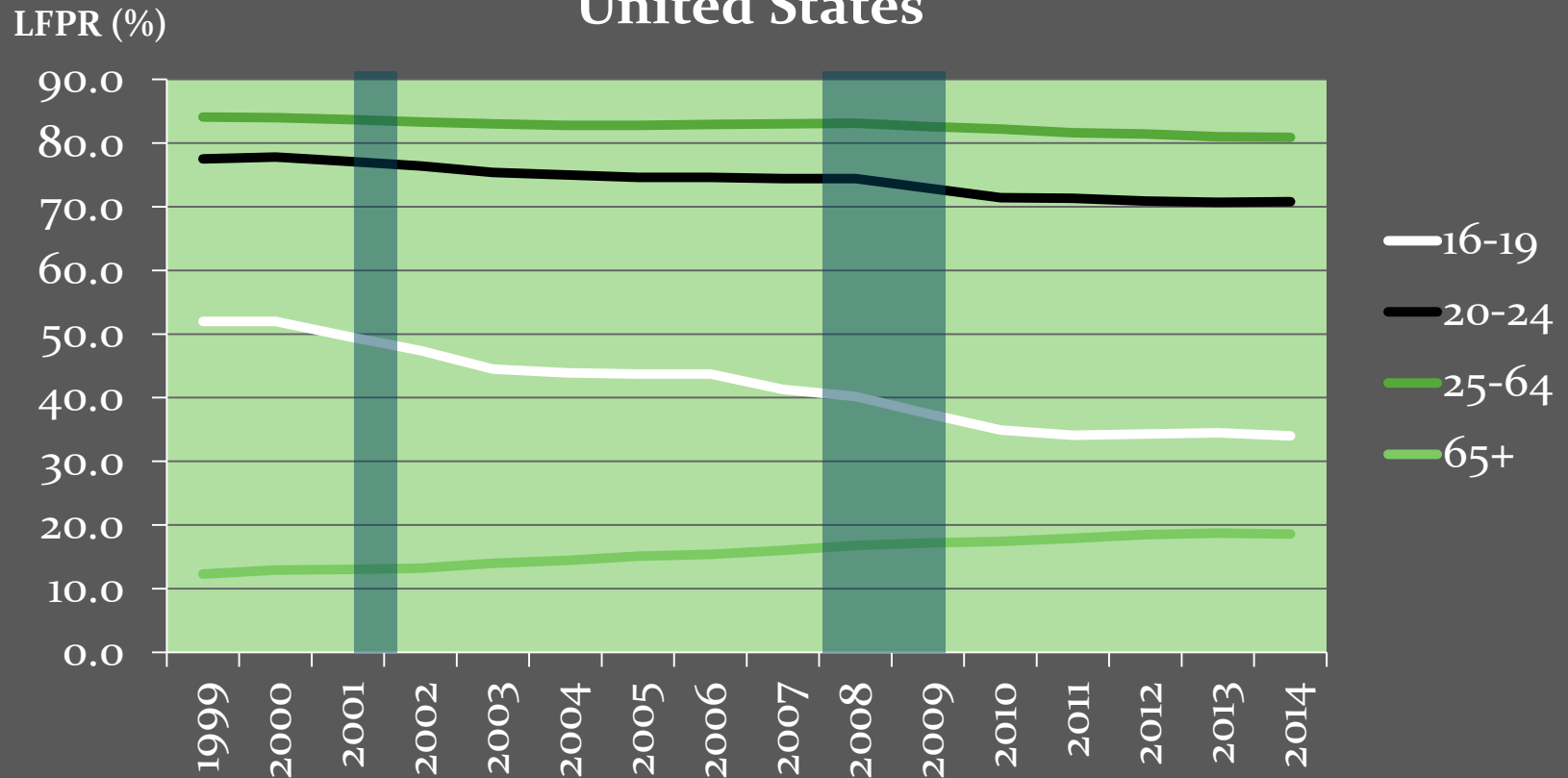
■ Unemployment Rate — LFPR



- Oklahoma's LFPR has been following a similar downward trend, though not as prominent as the U.S. LFPR.
- Between 2007 and 2014, Oklahoma's LFPR has dropped 2.9 percentage points.
- At 60.6 percent, Oklahoma's LFPR was the same as it was in 1979, when Oklahoma unemployment rate reached 8.4 percent.

Source: Local Area Unemployment Statistics, U.S. Bureau of Labor Statistics (Non-Seasonally Adjusted Data)

# Labor Force Participation Rate by Age Group for the United States

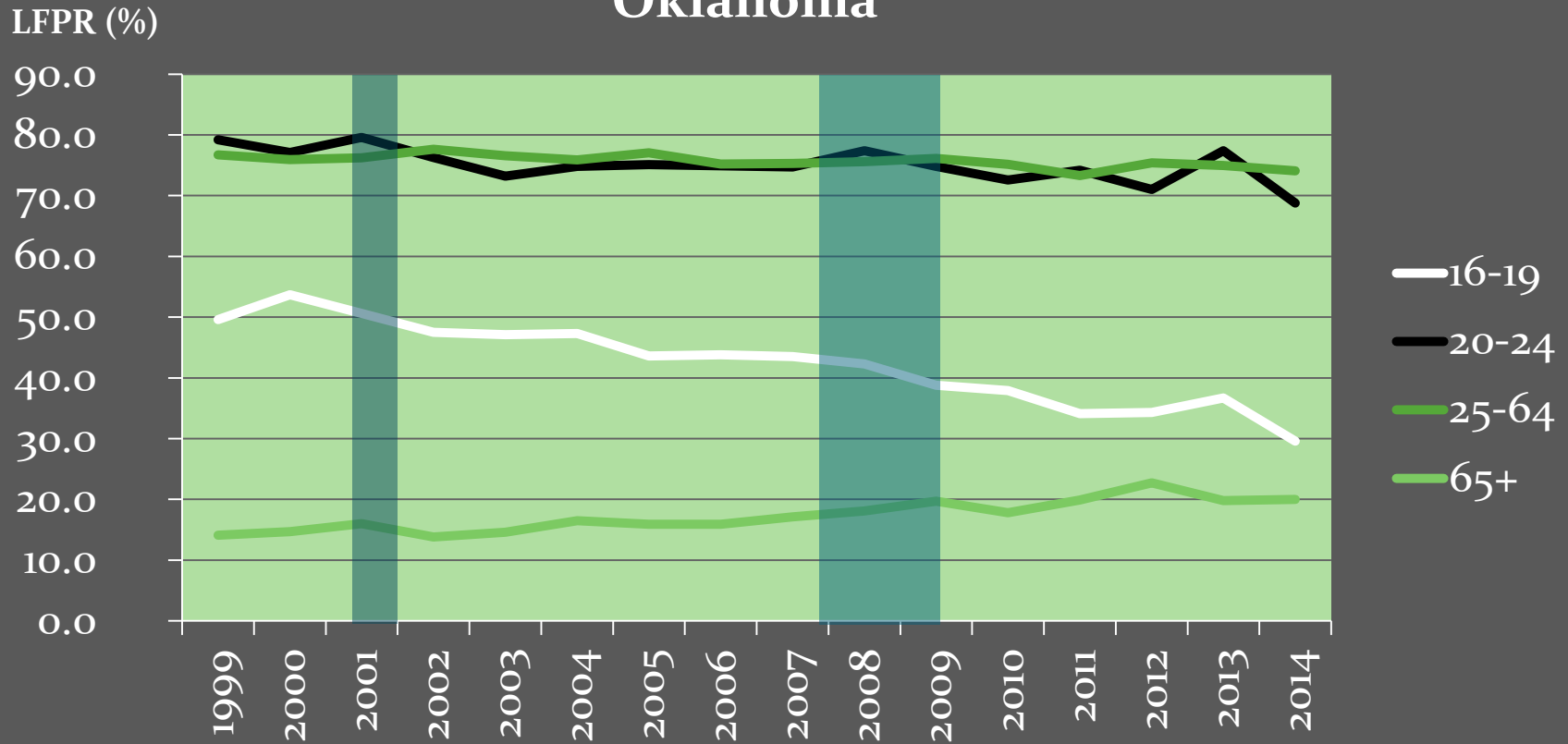


Note: Shaded areas represent recessions as determined by the National Bureau of Economic Research (NBER)

- In 2014, there were 155,922,000 in the U.S. civilian labor force.
- In 2014, the LFPR for the 16-19 age group was 34.0 percent, an 18.0 percentage point decrease compared to 52.0 percent in 1999.
- For the 20-24 age group, the LFPR was 70.8 percent in 2014, which is a 6.7 percentage point decline from 77.5 percent in 1999.

Source: Current Population Survey, U.S. Bureau of Labor Statistics (Non-Seasonally Adjusted Data)

# Labor Force Participation Rate by Age Group for Oklahoma



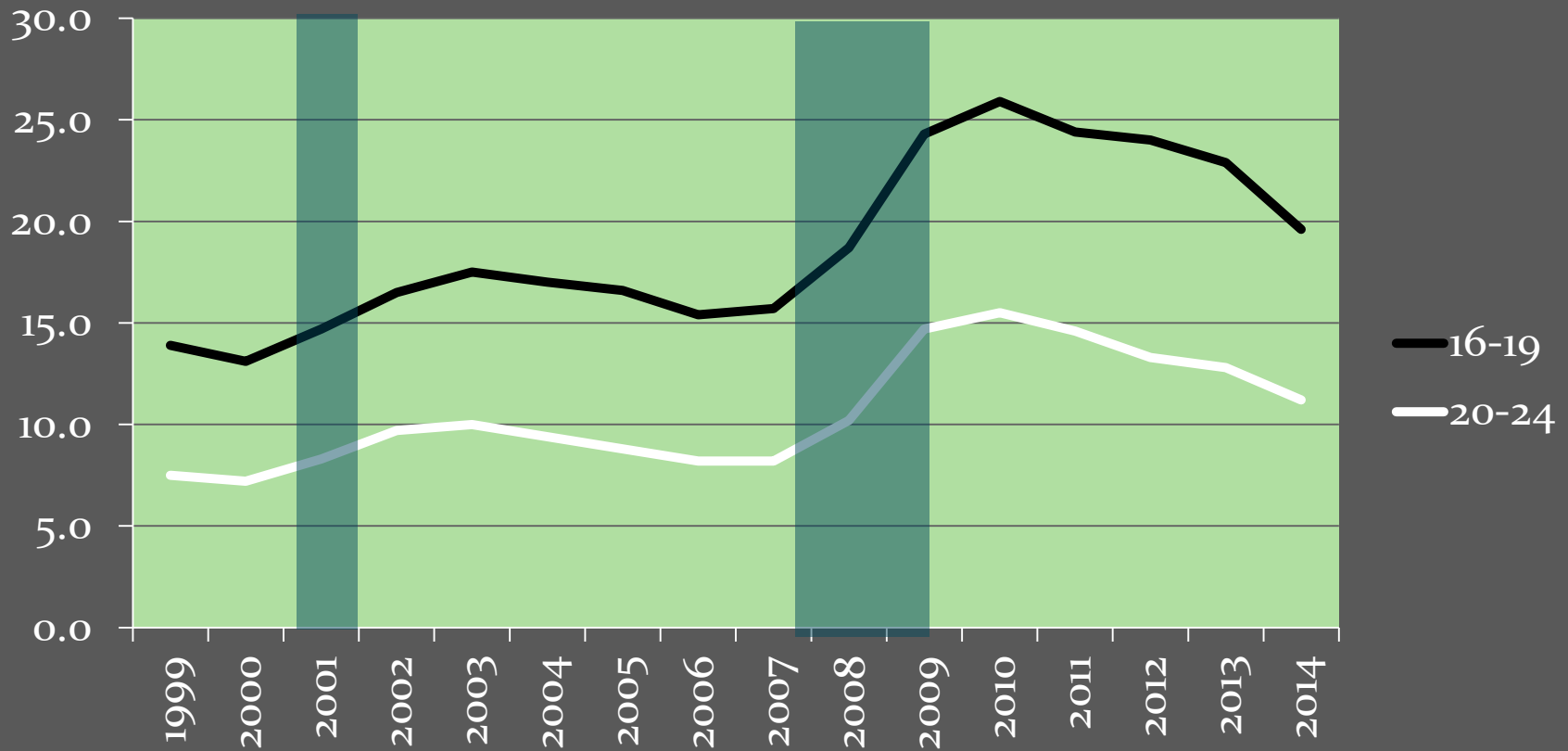
Note: Shaded areas represent recessions as determined by the National Bureau of Economic Research (NBER)

- Oklahoma had 1,784,035 people in the civilian labor force in 2014.
- For the 16-19 age group, the LFPR was 29.6 percent in 2014, which is a 20.0 percent point decline from 49.6 percent in 1999.
- The 20-24 age group LFPR was 68.8 percent in 2014; however, it was 79.2 percent in 1999 dropping 10.4 percentage points.

Source: Local Area Unemployment Statistics, U.S. Bureau of Labor Statistics (Non-Seasonally Adjusted Data)

# Youth Unemployment Rates for the United States

Unemployment Rate (%)

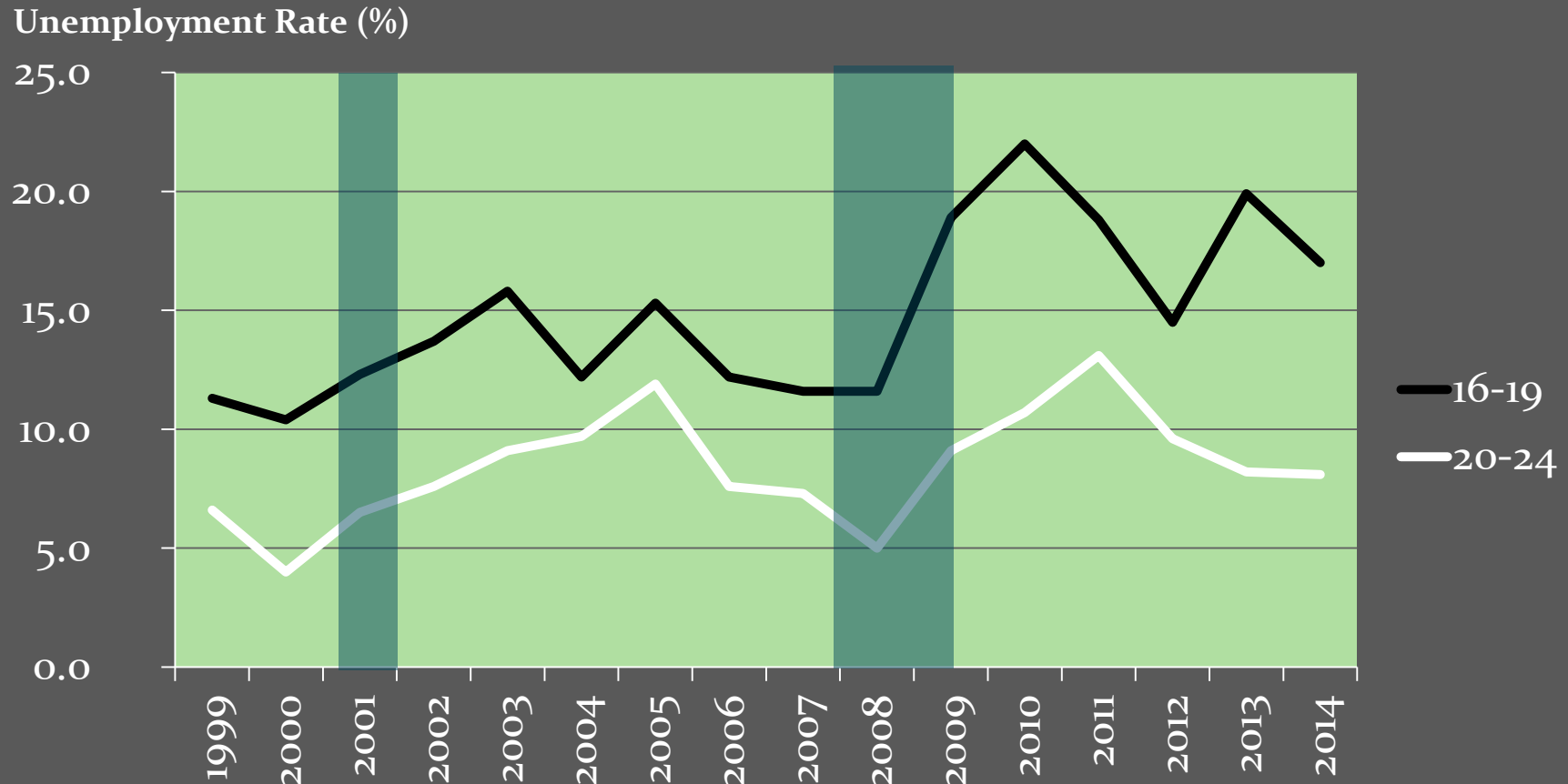


Note: Shaded areas represent recessions as determined by the National Bureau of Economic Research (NBER)

- The 16 to 19 age group had 1,106,000 people unemployed in 2014 in the U.S., while the 20-24 age group had 1,747,000 unemployed in 2014.
- The highest unemployment rates (UR) for both age groups (16-19 and 20-24) were in 2010 at 25.9 and 15.5 percent, respectively while the lowest UR was 13.1 and 7.2 percent in 2000.

Source: Current Population Survey, U.S. Bureau of Labor Statistics (Non-Seasonally Adjusted Data)

## Youth Unemployment Rates for Oklahoma



Note: Shaded areas represent recessions as determined by the National Bureau of Economic Research (NBER)

- Oklahoma had a total of 80,000 people unemployed and a 4.5 percent unemployment rate in 2014.
- During that same year, the 16 to 19 age group had an unemployment rate of 17.0 percent, and the 20 to 24 age group had 15,000 unemployed and a 8.1 unemployment rate.
- While the 16-19 age group saw a 5.7 percentage point unemployment rate increase from 1999 to 2014, the 20-24 age group's unemployment rate increased only by 1.5 percentage point within that time period.

Source: Local Area Unemployment Statistics, U.S. Bureau of Labor Statistics (Non-Seasonally Adjusted Data)



## Youth Employment by Industry for the 3rd Quarter of 2014

Industries	Employment				Percent		
	14-18	19-21	22-24	14-99	14-18	19-21	22-24
<b>All Industries</b>	25,111	53,303	73,832	1,295,269	1.9%	4.1%	5.7%
<b>Agriculture, Forestry, Fishing and Hunting</b>	146	320	486	9,316	0.0%	0.0%	0.0%
<b>Mining, Quarrying, and Oil and Gas Extraction</b>	162	1,136	2,743	54,606	0.0%	0.1%	0.2%
<b>Utilities</b>	29	198	461	16,488	0.0%	0.0%	0.0%
<b>Construction</b>	532	2,186	3,342	66,255	0.0%	0.2%	0.3%
<b>Manufacturing</b>	546	2,990	5,828	127,658	0.0%	0.2%	0.4%
<b>Wholesale Trade</b>	340	1,466	2,571	57,108	0.0%	0.1%	0.2%
<b>Retail Trade</b>	5,639	12,706	12,559	144,520	0.4%	1.0%	1.0%
<b>Transportation and Warehousing</b>	117	874	1,443	35,638	0.0%	0.1%	0.1%
<b>Information</b>	411	578	1,072	21,514	0.0%	0.0%	0.1%
<b>Finance and Insurance</b>	208	1,497	2,893	52,019	0.0%	0.1%	0.2%
<b>Real Estate and Rental and Leasing</b>	121	609	989	18,644	0.0%	0.0%	0.1%
<b>Professional, Scientific, and Technical Services</b>	392	1,259	2,689	60,455	0.0%	0.1%	0.2%
<b>Management of Companies and Enterprises</b>	260	610	942	18,292	0.0%	0.0%	0.1%
<b>Administrative and Support and Waste Management and Remediation Services</b>	710	3,163	4,860	75,858	0.1%	0.2%	0.4%
<b>Educational Services</b>	479	2,418	3,629	115,044	0.0%	0.2%	0.3%
<b>Health Care and Social Assistance</b>	1,073	4,694	9,325	181,327	0.1%	0.4%	0.7%
<b>Arts, Entertainment, and Recreation</b>	1,079	1,993	2,481	29,858	0.1%	0.2%	0.2%
<b>Accommodation and Food Services</b>	12,045	11,903	11,171	103,626	0.9%	0.9%	0.9%
<b>Other Services (except Public Administration)</b>	539	1,542	1,756	30,636	0.0%	0.1%	0.1%
<b>Public Administration</b>	284	1,161	2,594	76,407	0.0%	0.1%	0.2%

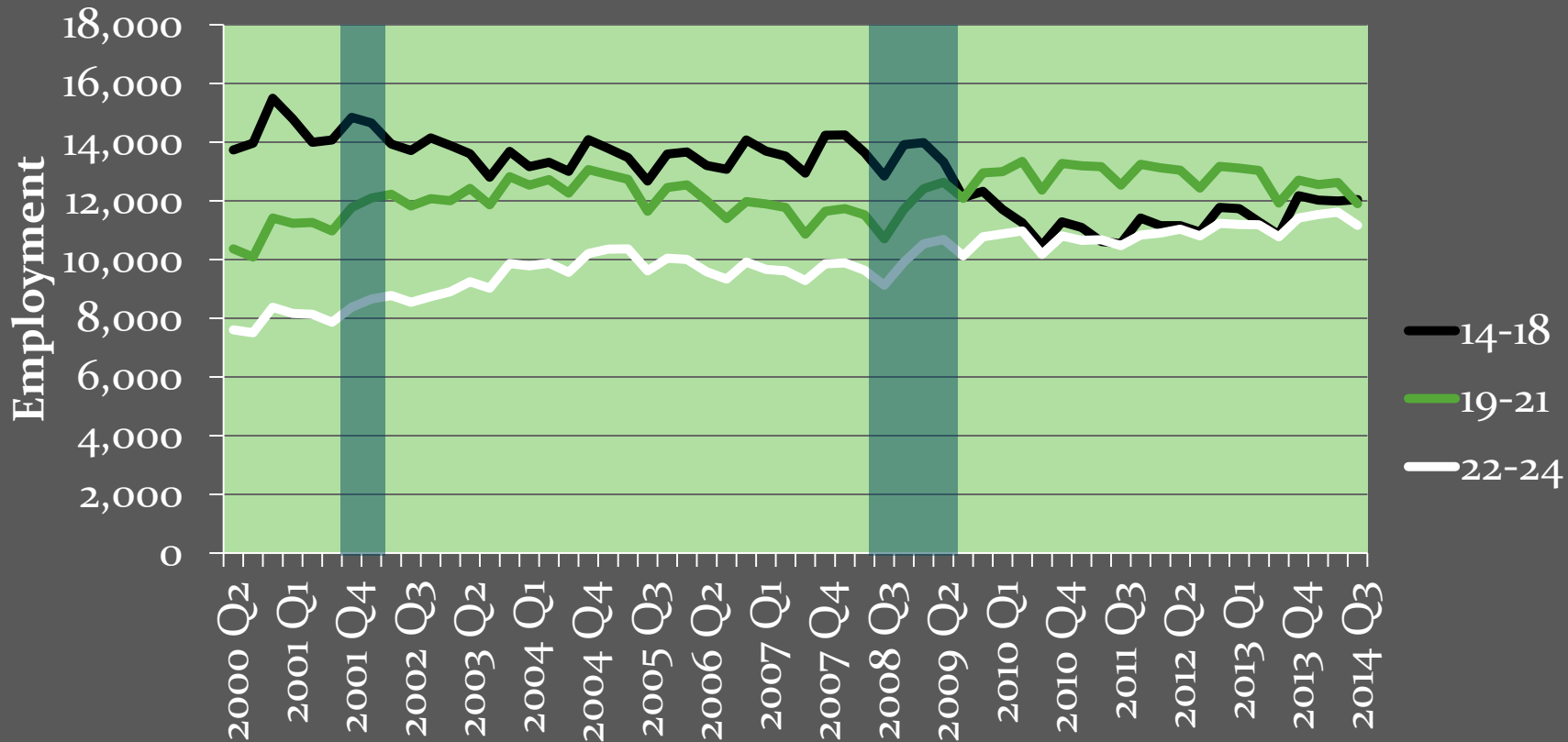
- In Oklahoma, youth employment comprises of 11.8 percent of total employment: 1.9 percent for the 14-18 age group, 4.1 percent for the 19-21 age group, and 5.7 percent for the 22-24 age group.
- Accommodation and Food Services and Retail Trade had the highest level of employed youth.
- Accommodation and Food Services accounted for 48 percent of employment for the age group of 14-18, while Retail Trade accounted for 24 percent for the age group of 19-21, and 17 percent for the age group of 22-24.

## Youth Earnings by Industry for the 3rd Quarter of 2014

Industries	Employment				Percent			
	14-18	19-21	22-24	14-99	14-18	19-21	22-24	14-99
All Industries	\$793	\$1,447	\$2,157	\$3,651	21.7%	39.6%	59.1%	100.0%
Agriculture, Forestry, Fishing and Hunting	\$1,629	\$2,187	\$2,669	\$3,103	44.6%	59.9%	73.1%	85.0%
Mining, Quarrying, and Oil and Gas Extraction	\$2,866	\$3,856	\$5,139	\$7,851	78.5%	105.6%	140.8%	215.0%
Utilities	\$1,208	\$2,454	\$3,914	\$7,552	33.1%	67.2%	107.2%	206.8%
Construction	\$1,651	\$2,374	\$2,842	\$3,915	45.2%	65.0%	77.8%	107.2%
Manufacturing	\$1,675	\$2,483	\$3,104	\$4,388	45.9%	68.0%	85.0%	120.2%
Wholesale Trade	\$1,106	\$1,952	\$2,682	\$4,755	30.3%	53.5%	73.5%	130.2%
Retail Trade	\$732	\$1,189	\$1,624	\$2,394	20.0%	32.6%	44.5%	65.6%
Transportation and Warehousing	\$1,263	\$1,903	\$2,751	\$4,324	34.6%	52.1%	75.3%	118.4%
Information	\$600	\$1,348	\$2,317	\$4,344	16.4%	36.9%	63.5%	119.0%
Finance and Insurance	\$867	\$1,610	\$2,213	\$4,540	23.7%	44.1%	60.6%	124.3%
Real Estate and Rental and Leasing	\$993	\$1,782	\$2,459	\$3,581	27.2%	48.8%	67.4%	98.1%
Professional, Scientific, and Technical Services	\$975	\$1,603	\$2,623	\$4,841	26.7%	43.9%	71.8%	132.6%
Management of Companies and Enterprises	\$831	\$1,569	\$2,675	\$5,116	22.8%	43.0%	73.3%	140.1%
Administrative and Support and Waste Management and Remediation Services	\$1,061	\$1,607	\$2,021	\$3,005	29.1%	44.0%	55.4%	82.3%
Educational Services	\$435	\$550	\$1,459	\$2,510	11.9%	15.1%	40.0%	68.7%
Health Care and Social Assistance	\$913	\$1,375	\$1,987	\$3,774	25.0%	37.7%	54.4%	103.4%
Arts, Entertainment, and Recreation	\$631	\$1,369	\$2,034	\$2,669	17.3%	37.5%	55.7%	73.1%
Accommodation and Food Services	\$695	\$1,059	\$1,318	\$1,474	19.0%	29.0%	36.1%	40.4%
Other Services (except Public Administration)	\$784	\$1,365	\$1,903	\$2,837	21.5%	37.4%	52.1%	77.7%
Public Administration	\$706	\$1,644	\$2,229	\$3,406	19.3%	45.0%	61.1%	93.3%

- Average monthly earnings for all workers was \$3,651 during the 3rd quarter of 2014. Workers in Mining, Quarrying, and Oil and Gas Extraction had the highest earnings at \$7,851.
- Mining, Quarrying, and Oil and Gas Extraction paid close to or well above the average for all workers in the 14-18 age group at 78.5 percent, 19-21 at 105.6 percent, and 22-24 at 140.8 percent.
- Earnings in Mining, Quarrying, and Oil and Gas Extraction and Utilities were more than double the average workers' earnings for all industries.

## Youth Employment in Accommodation and Food Services 2<sup>nd</sup> Quarter of 2000 – 3<sup>rd</sup> Quarter of 2014



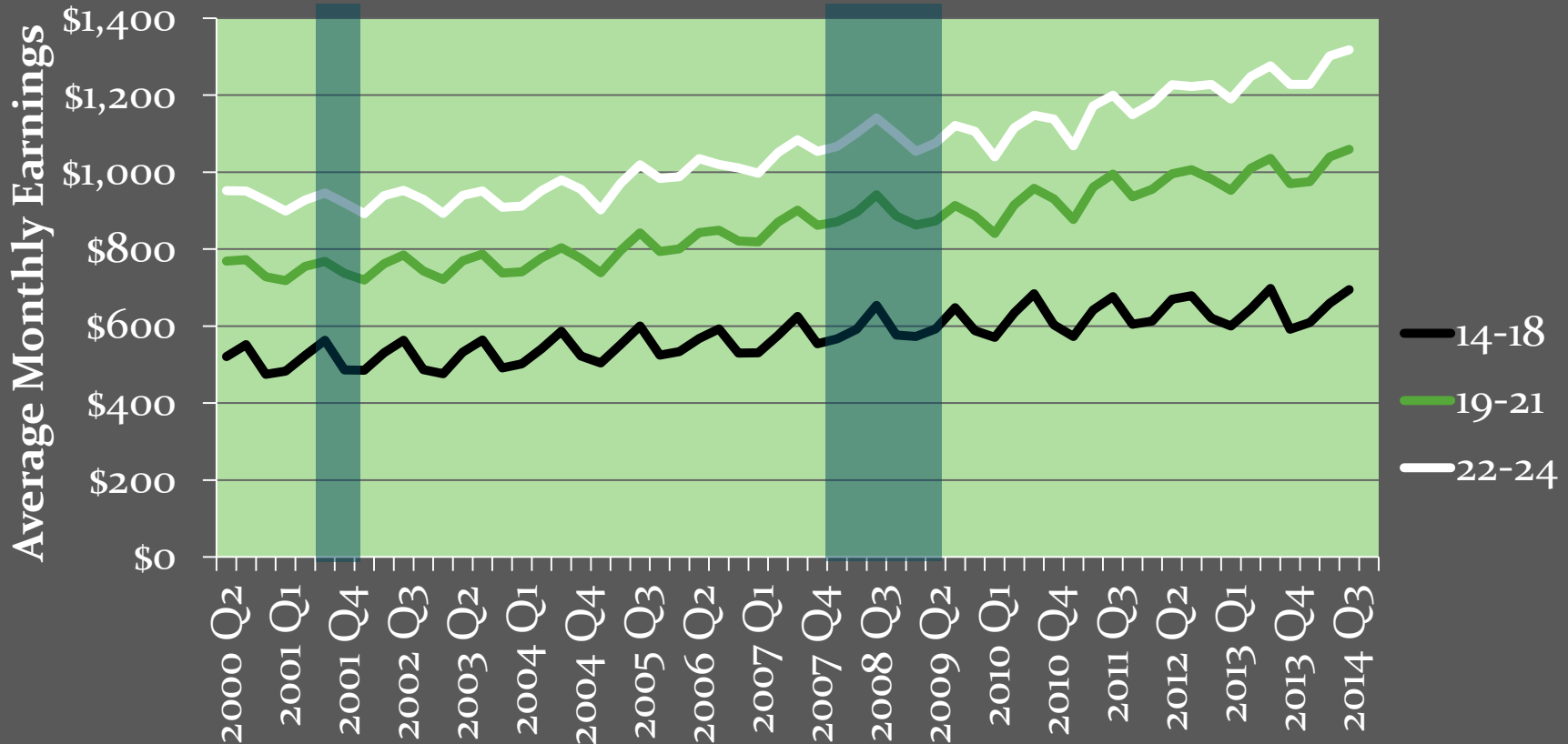
Note: Shaded areas represent recessions as determined by the National Bureau of Economic Research (NBER)

- For the 3<sup>rd</sup> quarter of 2014, there were about 35,000 youth employed in Accommodation and Food Services, the largest industry for youth employment.
- The highest employed group in this industry is the 14-18 age group. However, employment dropped sharply from 14,797 to 10,000 between 1<sup>st</sup> quarter of 2001 and 3<sup>rd</sup> quarter of 2009.
- The trend line drops drastically in 2009 below 12,000 after the minimum wage increased to \$7.25 per hour in July 24<sup>th</sup> of 2009, and also with the Great Recession.

Source: Longitudinal-Employer Household Dynamics Program: Quarterly Workforce Indicator, U.S. Census Bureau

# Youth Earnings in Accommodation and Food Services

2<sup>nd</sup> Quarter of 2000 – 3<sup>rd</sup> Quarter of 2014

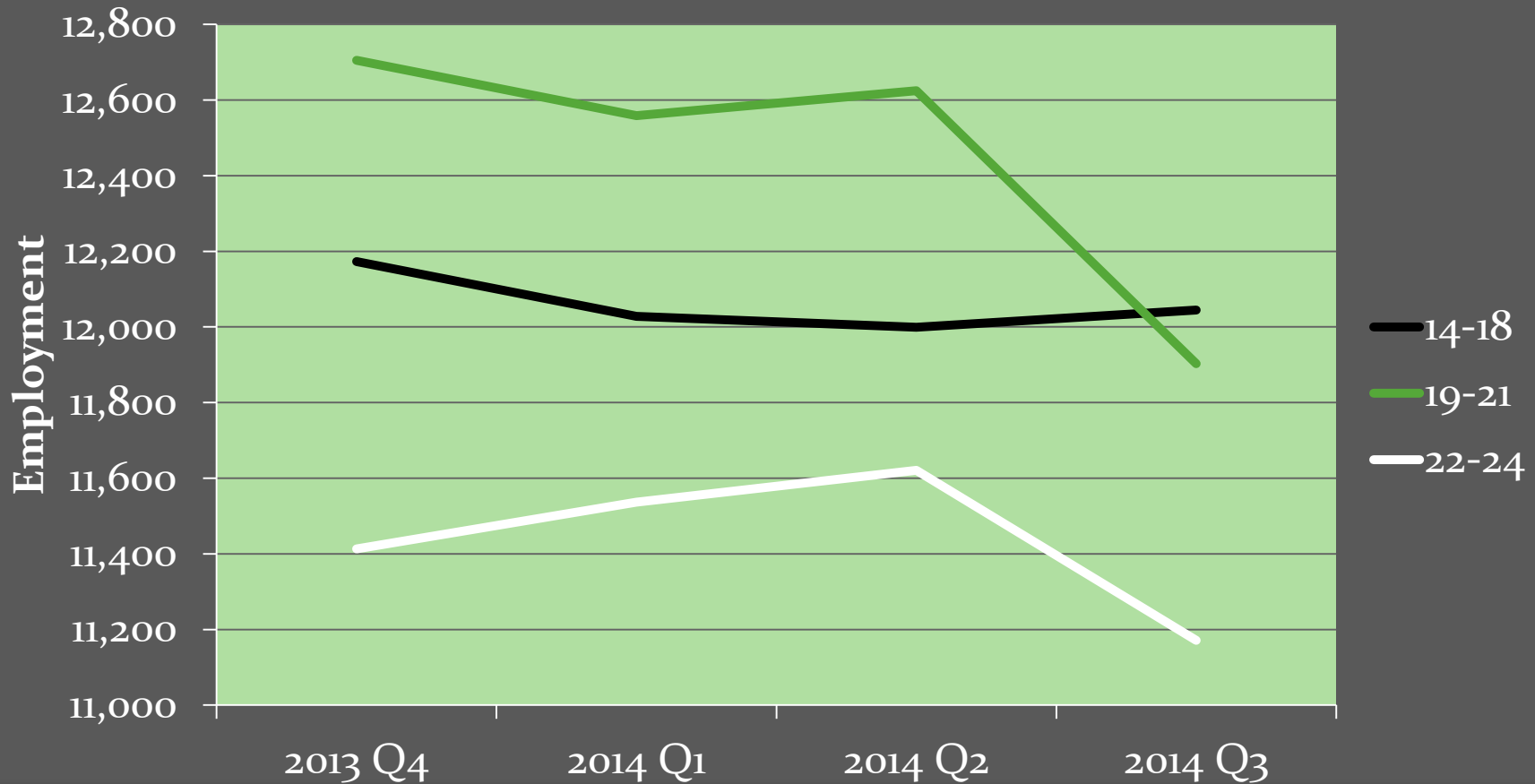


Note: Shaded areas represent recessions as determined by the National Bureau of Economic Research (NBER)

- When it comes to earnings in the Food and Services industries, the age group 22-24 had the highest earnings at \$1,318 in the 3<sup>rd</sup> quarter.
- For 22-24 age group, the average monthly earnings increased by 38.4 percent from the 2<sup>nd</sup> quarter of 2000 until the 3<sup>rd</sup> quarter of 2014.
- The 14-18 age group was the lowest paid at \$695 in the 3<sup>rd</sup> quarter of 2014.

Source: Longitudinal-Employer Household Dynamics Program: Quarterly Workforce Indicator, U.S. Census Bureau

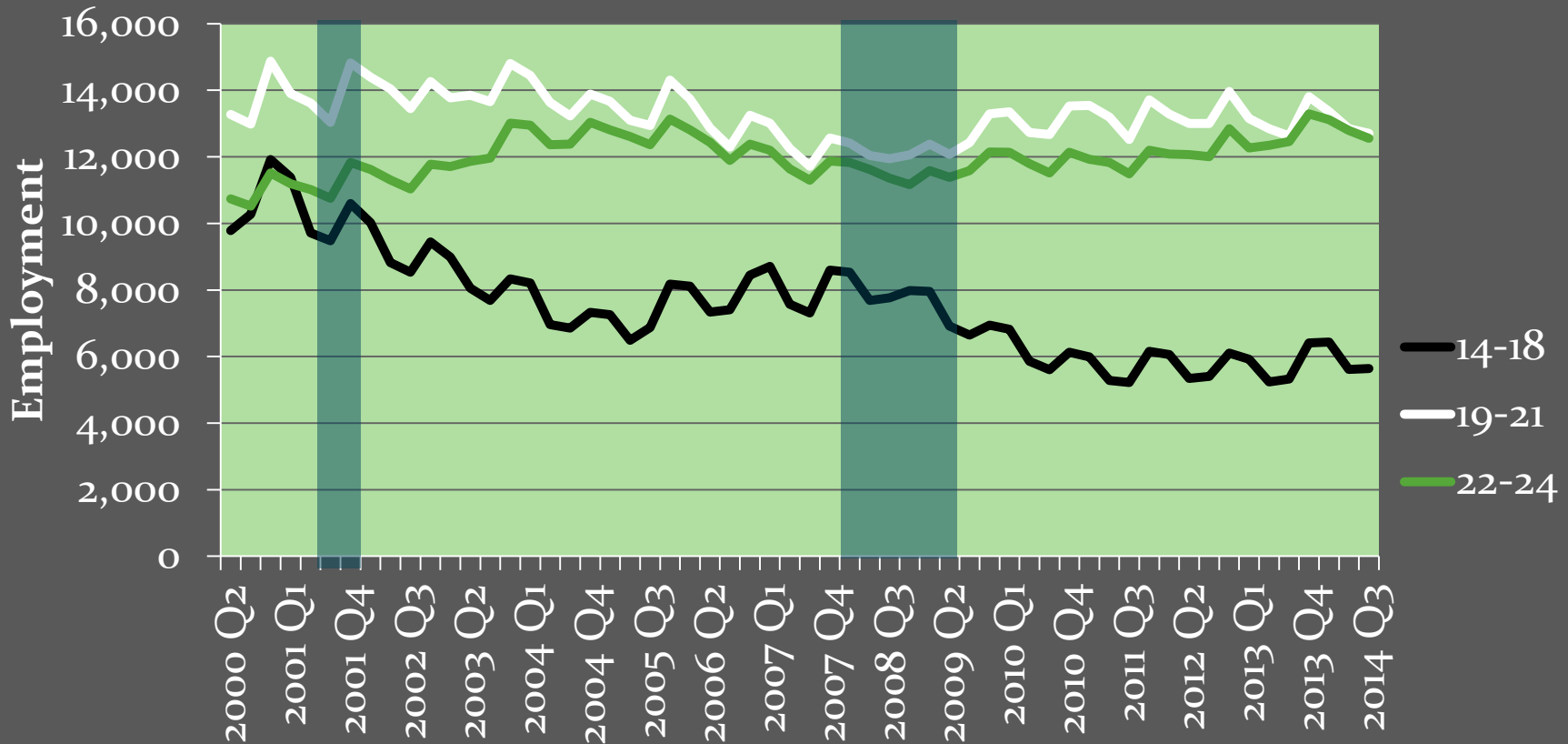
## Youth Employment in Accommodation and Food Services: 4<sup>th</sup> quarter of 2013 – 3<sup>rd</sup> quarter of 2014



- Even though the 19-21 age group had the highest employment in the 4<sup>th</sup> quarter of 2013 with 12,705 employed, there has been a 6.31 percentage decrease since then.
- The age group of 22-24 continued to be the lowest employed with 11,171 in the 3<sup>rd</sup> quarter of 2014, which is a 2.1 percent decreased from 11,413 in the 4<sup>th</sup> quarter of 2013.

## Youth Employment in Retail Trade

2<sup>nd</sup> Quarter of 2000 – 3<sup>rd</sup> Quarter of 2014

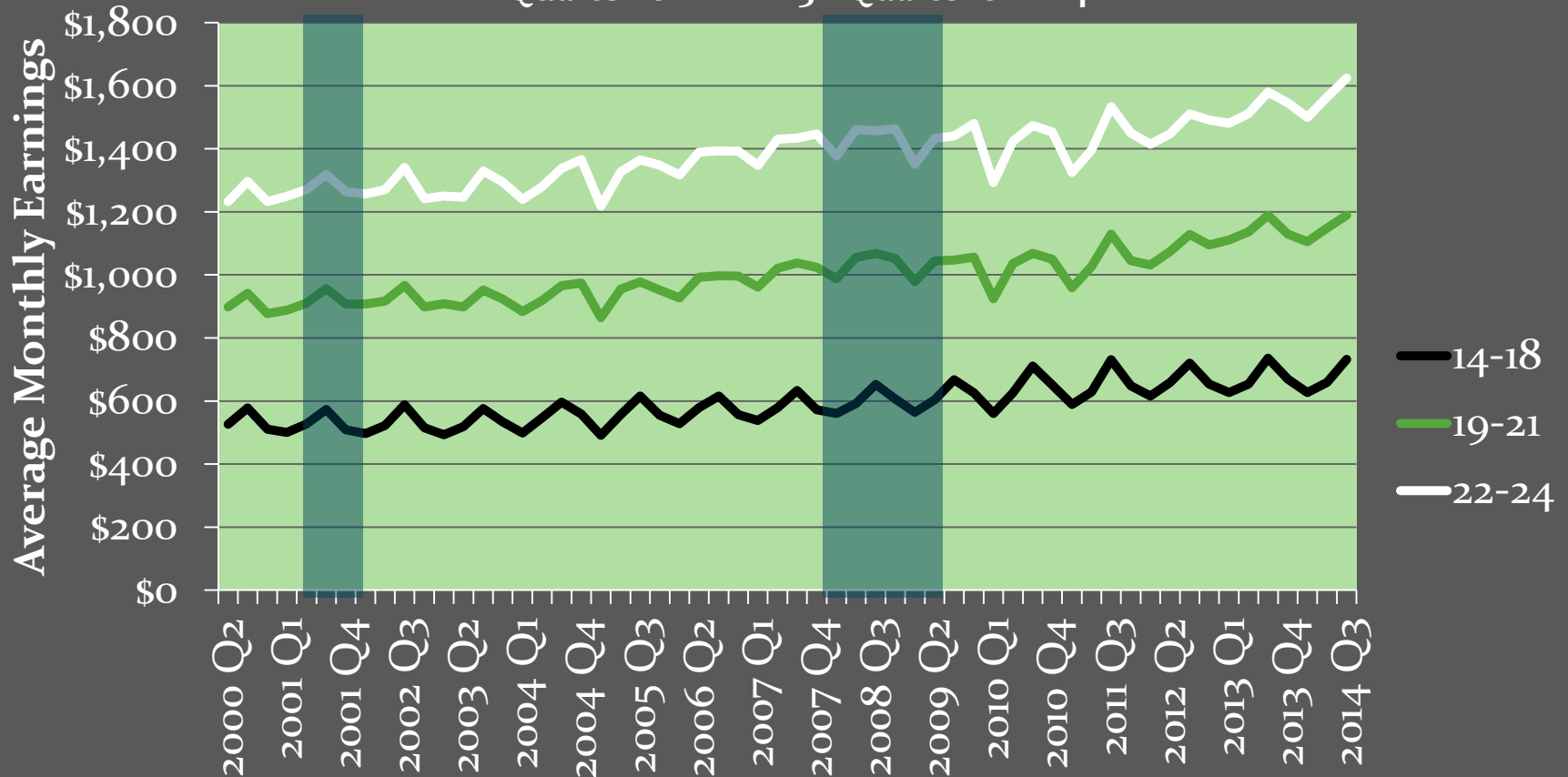


Note: Shaded areas represent recessions as determined by the National Bureau of Economic Research (NBER)

- Retail Trade was the second largest industry for the youth employment, and the highest-employed age group for that industry was 19-21.
- For the 14-18 age group in this industry, employment dropped about half from the highest point of about 12,000 in the 4th quarter of 2000 to below 6,000 in the 3rd quarter of 2014.

# Youth Earnings in Retail Trade

2<sup>nd</sup> Quarter of 2000 – 3<sup>rd</sup> Quarter of 2014

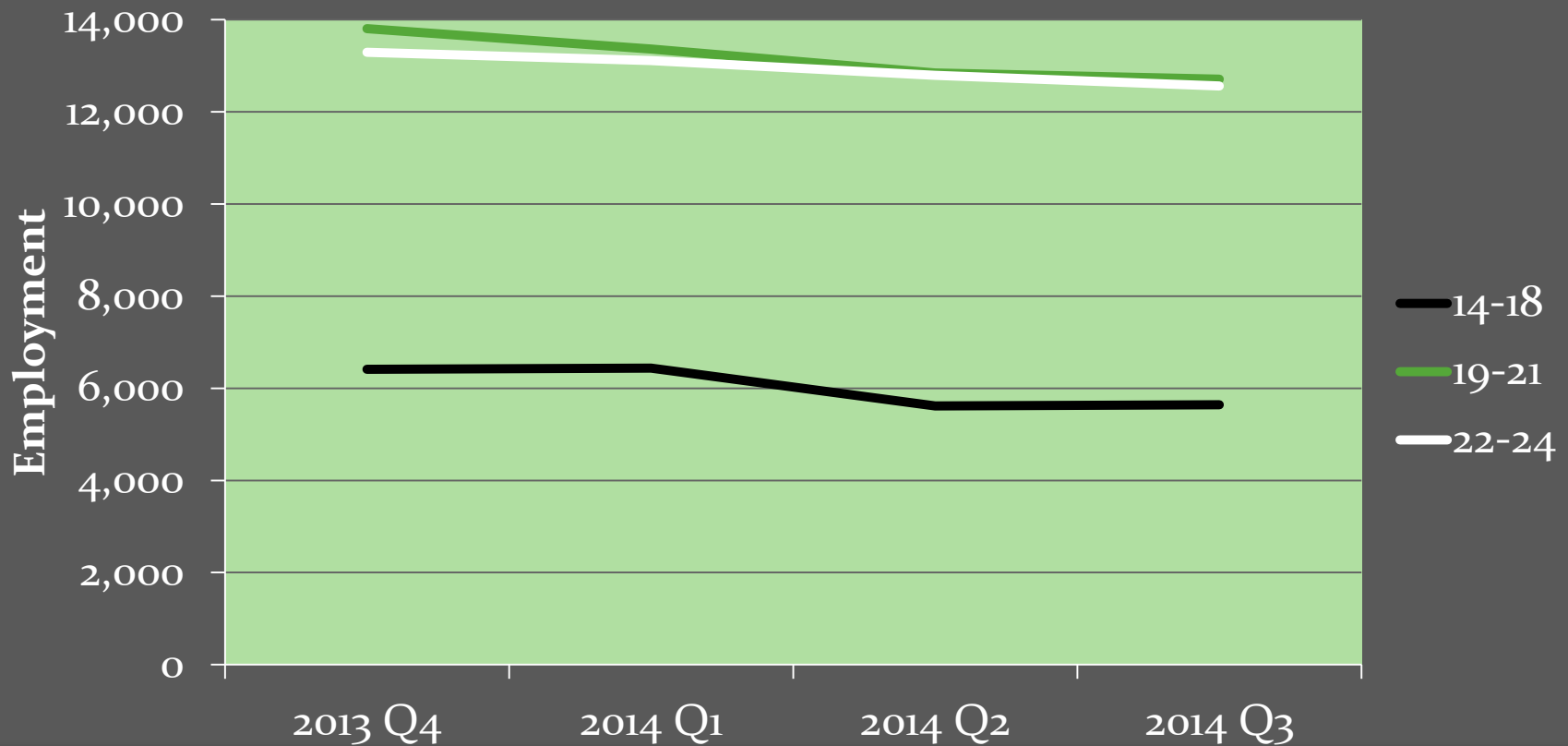


Note: Shaded areas represent recessions as determined by the National Bureau of Economic Research (NBER)

- In Retail Trade, the highest-earning age group was the 22-24 age group with average monthly earnings surpassing \$1,200 for 2<sup>nd</sup> quarter of 2000 to 3<sup>rd</sup> quarter of 2014.
- The 19-21 age group made \$1,189 for the 3<sup>rd</sup> quarter of 2014, which was well below their counterparts in the age group 22-24 making \$1,624 for the same period.
- The 14-18 age group experienced a 39.1 percent increase from 2<sup>nd</sup> quarter of 2000 until 3<sup>rd</sup> quarter of 2014.

Source: Longitudinal-Employer Household Dynamics Program: Quarterly Workforce Indicator, U.S. Census Bureau

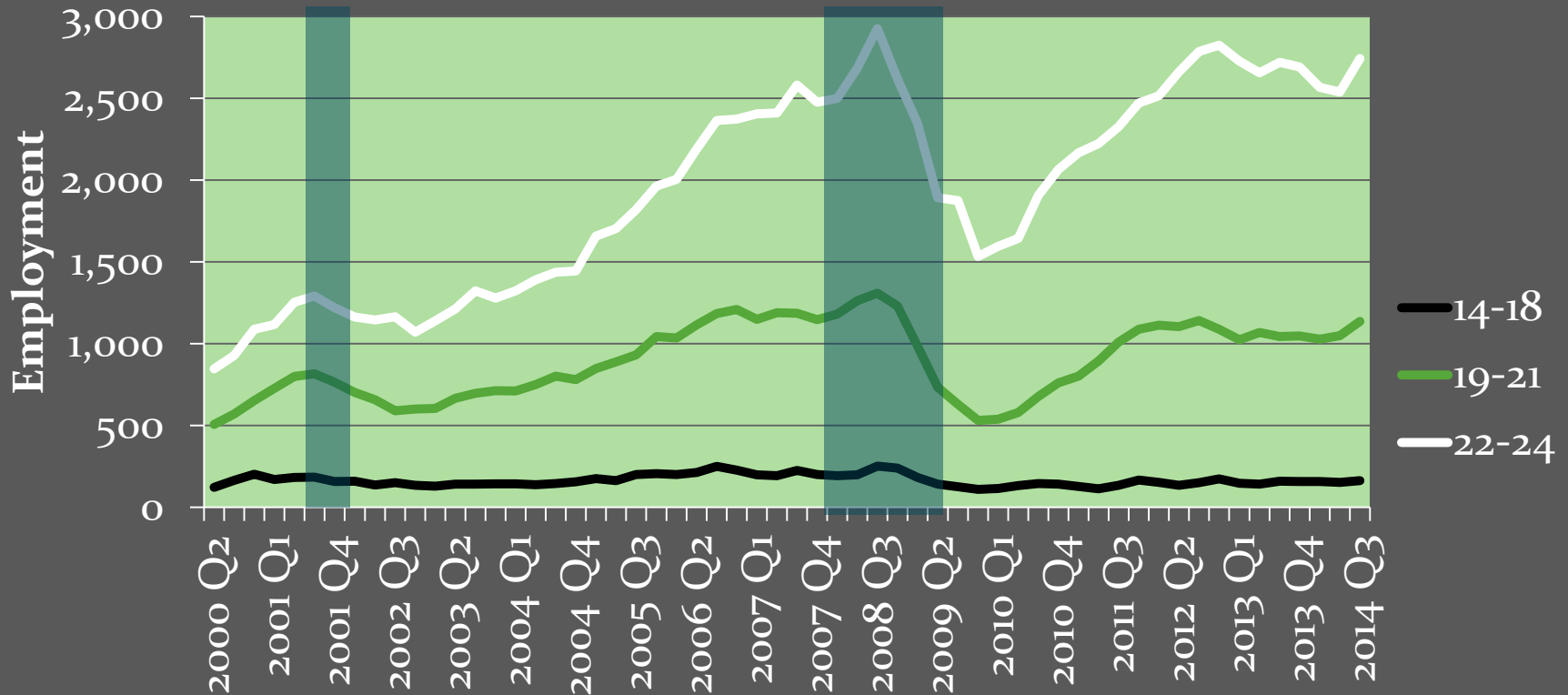
## Youth Employment in Retail Trade 4<sup>th</sup> quarter of 2013 – 3<sup>rd</sup> quarter of 2014



- Youth employment in Retail Trade for the past four quarters has been stable for the three age groups.
- Employment for the 19-21 age group decreased 7.9 percent between the 4<sup>th</sup> quarter of 2013 and the 3<sup>rd</sup> quarter of 2014, shedding 1,097 jobs.
- The 22-24 age group experienced a 5.5 percent decline from the 4<sup>th</sup> quarter of 2013 to the 3<sup>rd</sup> quarter of 2014, shedding 734 jobs.



## Youth Employment in Mining, Quarrying, and Oil and Gas Extraction 2<sup>nd</sup> Quarter of 2000 – 3<sup>rd</sup> Quarter of 2014

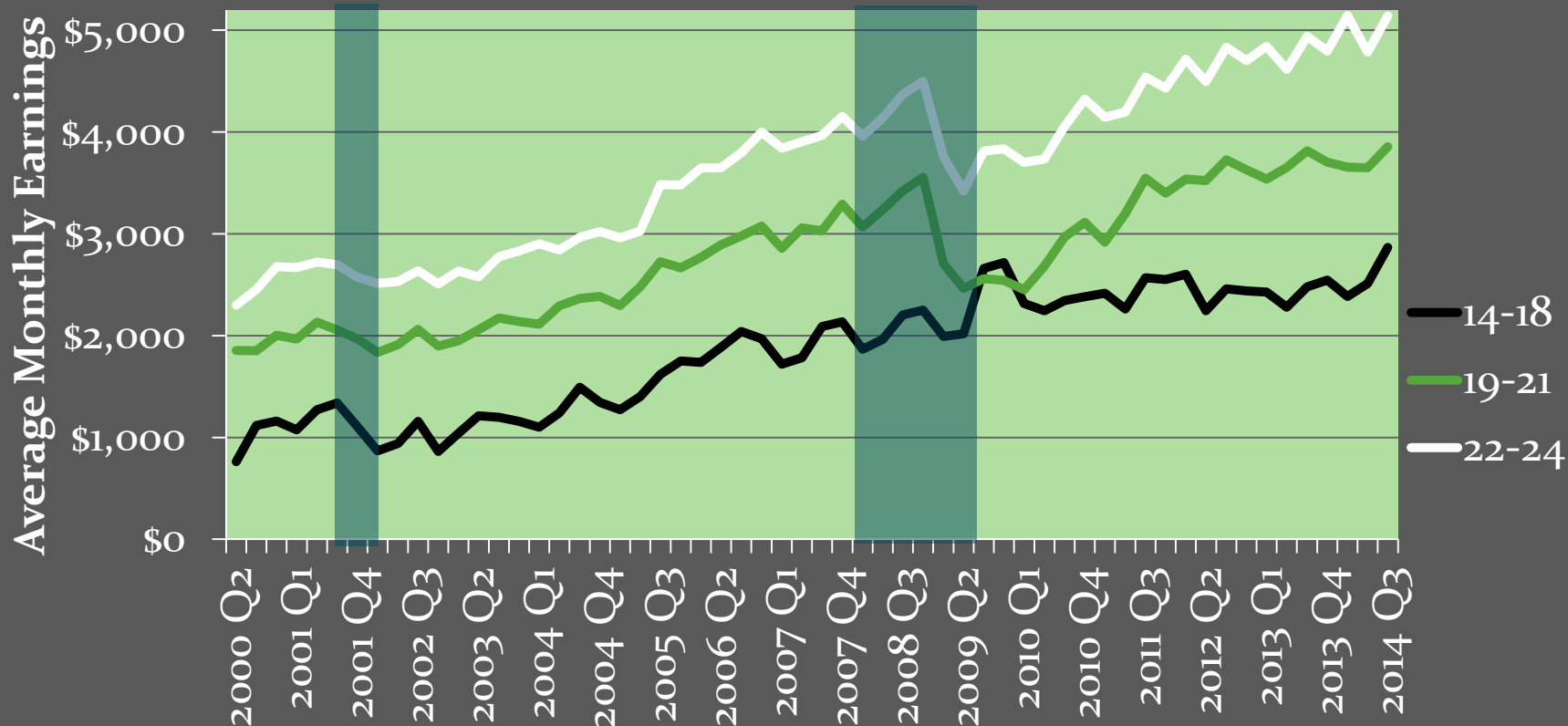


Note: Shaded areas represent recessions as determined by the National Bureau of Economic Research (NBER)

- The highest level of Mining, Quarrying, and Oil & Gas Extraction employment for all age groups was 3<sup>rd</sup> quarter of 2008 with: 251 employed in the 14-18 age group, 1,308 employed in the 19-21 age group, and 2,927 employed in the 22-24 age group.
- From 2<sup>nd</sup> quarter 2000 to the 3<sup>rd</sup> quarter 2014, this industry employment increased 32.8 percent for the age group of 14-18; 124.5 percent for the age group of 19-21; and 224.6 percent for the age group of 22-24.

Source: Longitudinal-Employer Household Dynamics Program: Quarterly Workforce Indicator, U.S. Census Bureau

## Youth Earnings in Mining, Quarrying, and Oil and Gas Extraction 2<sup>nd</sup> Quarter of 2000 – 3<sup>rd</sup> Quarter of 2014

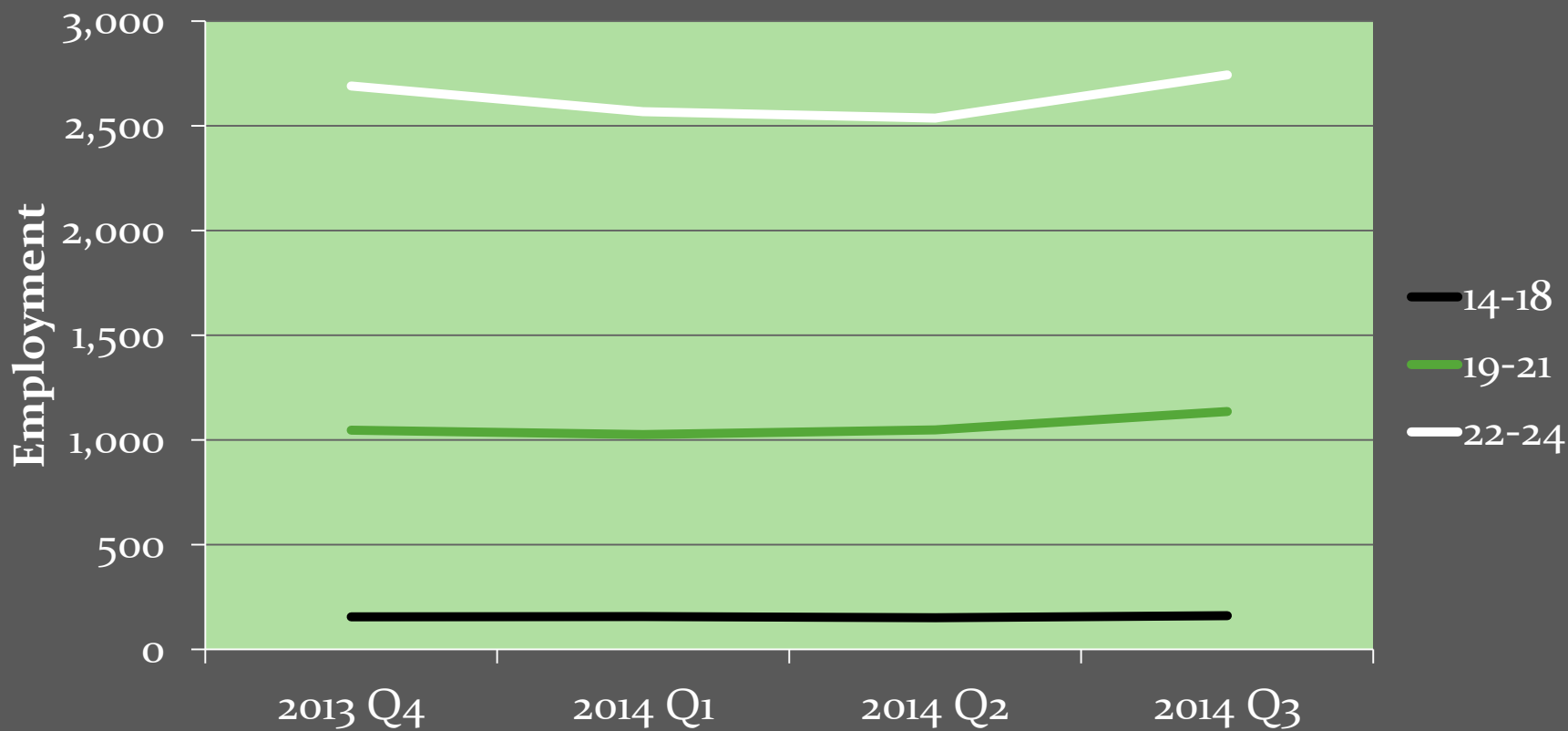


Note: Shaded areas represent recessions as determined by the National Bureau of Economic Research (NBER)

- The highest level of earnings for all age groups occurred in the 3<sup>rd</sup> quarter of 2014, with \$5,139 for 22-24 age group, \$3,856 for 19-21 age group, and \$2,866 for 14-18 age group.
- In the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2009, the 14-18 group surpassed the 19-21 group in earnings for this industry.
- The age group 22-24 broke the \$5,000 mark in the 1<sup>st</sup> (\$5,143) and 3<sup>rd</sup> (\$5,139) quarters of 2014, and also experienced a 123.6 percent increase from 2nd quarter of 2000 to the 3<sup>rd</sup> quarter of 2014.

Source: Longitudinal-Employer Household Dynamics Program: Quarterly Workforce Indicator, U.S. Census Bureau

## Youth Employment in Mining, Quarrying, and Oil and Gas Extraction 4<sup>th</sup> quarter of 2013 – 3<sup>rd</sup> quarter of 2014



- From the 4<sup>th</sup> quarter of 2013 to the 3<sup>rd</sup> quarter of 2014, the highest-employed age group was 22-24 with 2,743 employed, while the second highest was the 19-21 age group with 1,136 employed; the lowest-employed age group was 14-18 with 162 employed.
- The change in percentage of employment for the last four quarters from 4<sup>th</sup> quarter of 2013 to the 3<sup>rd</sup> quarter of 2014 is as follows: 14-18 age group (3.8 percent), 19-21 age group (8.5 percent), and 22-24 age group (1.9 percent).

## Oklahoma School Enrollment (2007-2013)

% of age group enrolled in school	2007	2008	2009	2010	2011	2012	2013
15-17 years	94.4%	94.9%	95.3%	95.3%	95.9%	95.7%	95.9%
18-19 years	70.6%	69.6%	69.1%	69.3%	70.3%	70.5%	69.7%
20-24 years	36.8%	36.6%	37.9%	38.1%	37.5%	36.6%	36.2%
25-34	12.7%	12.2%	11.8%	12.5%	13.0%	13.0%	12.3%
35 years and over	2.5%	2.3%	2.4%	2.5%	2.6%	2.6%	2.5%
Population 18 years and over	2,687,312	2,707,127	2,737,841	2,793,989	2,826,638	2,853,204	2,876,666
Enrolled in college or graduate school	8.7%	8.4%	8.7%	8.8%	9.0%	8.9%	8.7%
Population 18 to 24 years	376,182	370,940	384,790	382,096	384,338	385,876	389,019
Enrolled in college or graduate school	36.0%	35.5%	37.0%	37.3%	37.3%	36.6%	35.8%

- For the 18-24 population, school enrollment decreased by 0.2 percentage point.
- The age group 15-17 tops the list for the highest percentage enrolled in school and a 1.5 percentage point increase from 2006 to 2012, while the 20-24 age group saw a 0.9 percentage point decrease from 2006 to 2012.
- The second-largest age group to have over a 60.0 percent for enrolled in school was the 18-19 age group, while the largest age group (15-17) continued to stay above 94 percent.

Source: 2011-2013 American Community Survey 3-Year Estimates, U.S. Census Bureau



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