

Wyoming Department of Workforce Services  
Research & Planning

Update From WIOA Unified Plan-  
Economic Conditions

Presented by: Tom Gallagher, R&P Manager  
Tony Glover, Workforce Information Supervisor

Wyoming Workforce Development Council, September 16, 2016

# Research & Planning

<http://doe.state.wy.us/LMI>

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## **OUR ORGANIZATION:**

R&P is a separate, exclusively statistical entity.

## **WHAT WE DO:**

R&P collects, analyzes, and publishes timely and accurate labor market information (LMI) meeting established statistical standards.

## **OUR CUSTOMERS:**

LMI makes the labor market more efficient by providing the public and the public's representatives with the basis for informed decision making.



Research & Planning  
Wyoming DWS

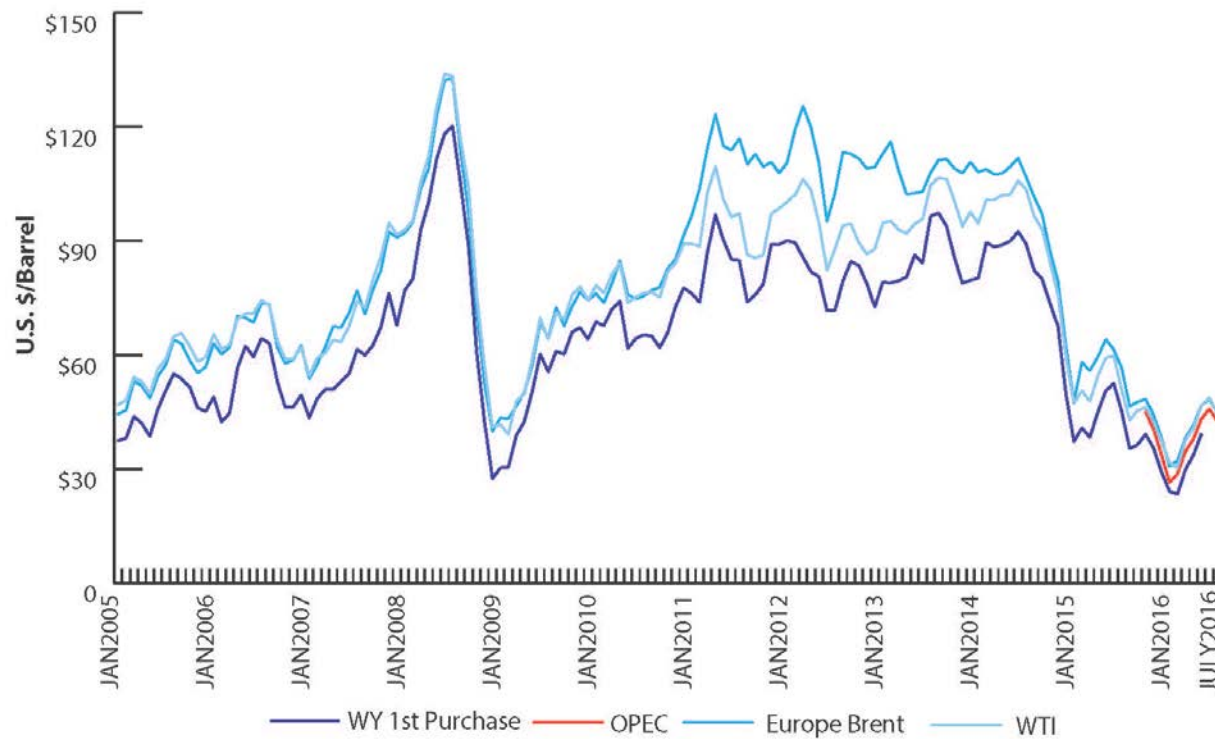
# Research & Planning's Mission:

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To establish an empirically based comprehensive understanding of the labor market: its constituent elements, systems integrating its components, and subsequent outcomes.

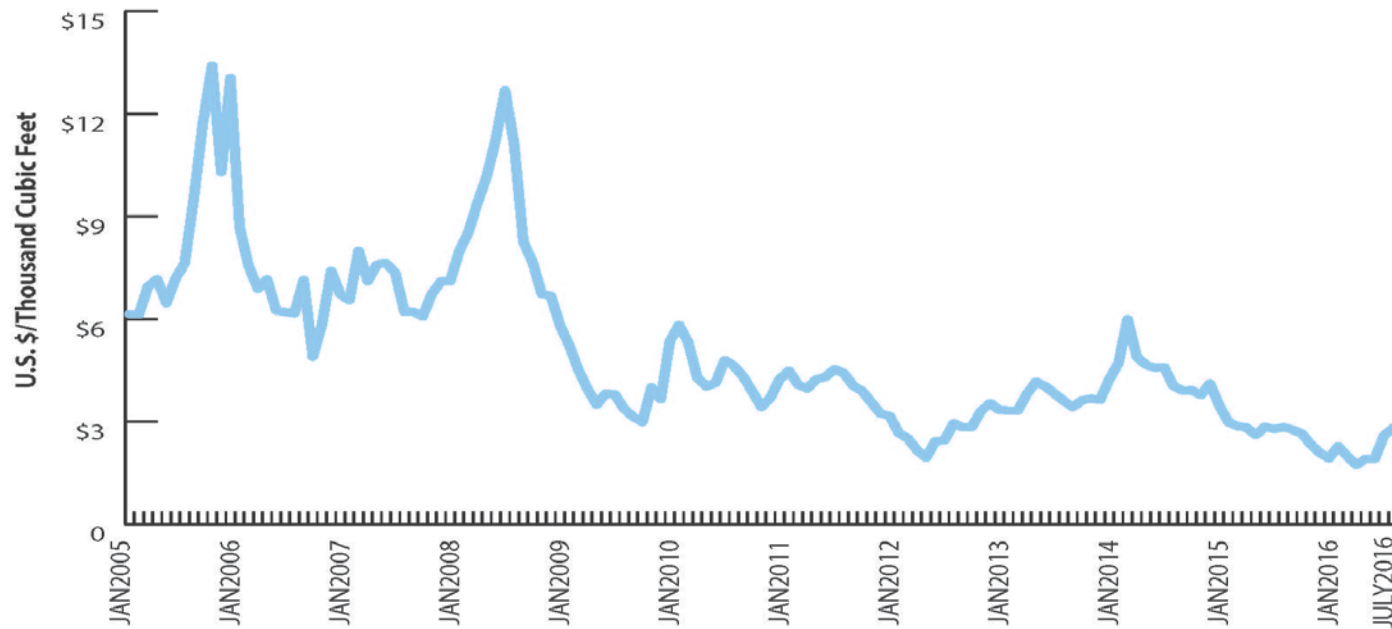
Figure: Crude Oil Price, United States Dollar Per Barrel,  
January 2005 to July 2016

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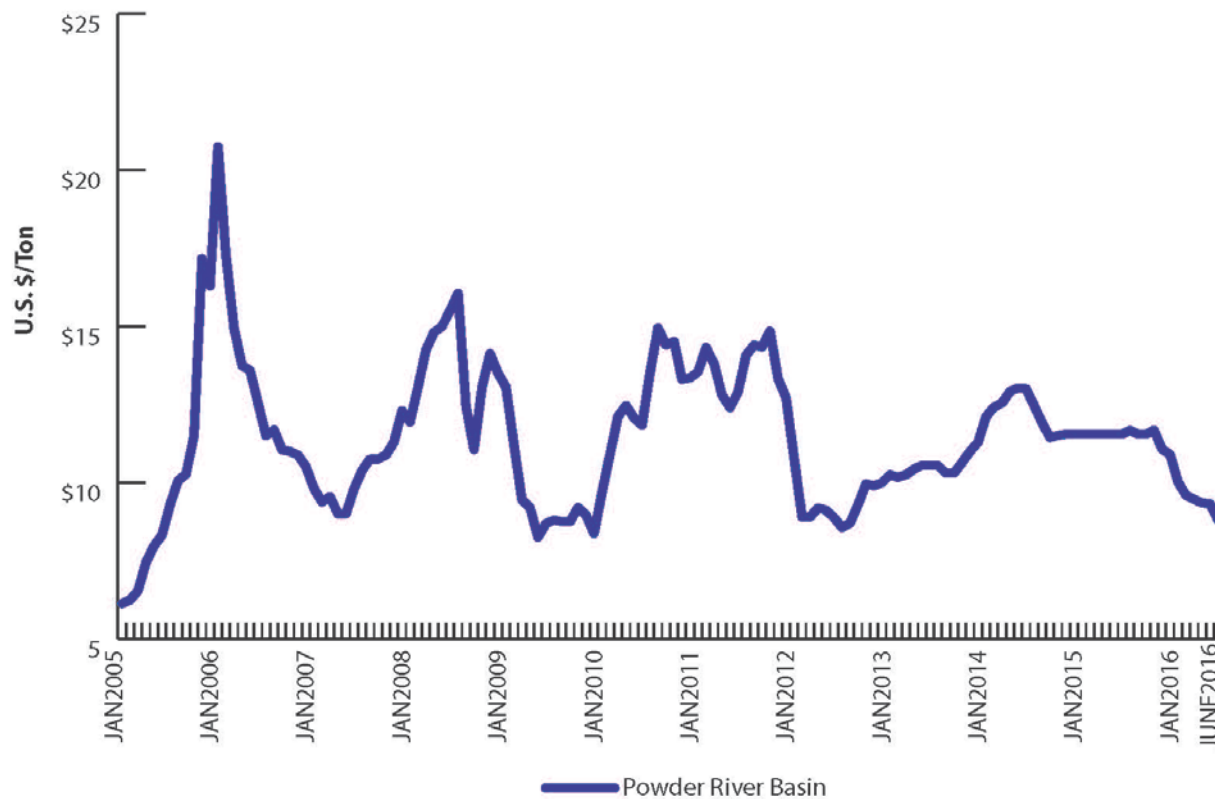
Sources: OPEC [http://www.opec.org/opec\\_web/en/data\\_graphs/40.htm](http://www.opec.org/opec_web/en/data_graphs/40.htm)  
EIA (WTI and Brent) [http://www.eia.gov/dnav/pet/pet\\_pri\\_spt\\_s1\\_m.htm](http://www.eia.gov/dnav/pet/pet_pri_spt_s1_m.htm)  
WY PP [http://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=PET&s=F004056\\_\\_3&f=M](http://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=PET&s=F004056__3&f=M)  
Prepared by: P. Manning, WY DWS, R&P, August 22, 2016

Figure: Natural Gas Henry Hub Spot Price, January 2005 to July 2016



Sources: Energy Information Administration.  
Retrieved from [http://www.eia.gov/dnav/ng/ng\\_pri\\_fut\\_s1\\_m.htm](http://www.eia.gov/dnav/ng/ng_pri_fut_s1_m.htm)  
Prepared by: P. Manning, WY DWS, R&P, August 22, 2016

Figure: Powder River Basin Coal, U.S. Dollar Per Ton, January 2005 to July 2016



Source: Bloomberg - Received from Jim Robinson, Wyoming Economic Analysis  
Prepared by: P. Manning, WY DWS, R&P, 8/22/2016

Figure: Employees on Nonfarm Payrolls by State\* in Thousands, July 2015



\*Not Seasonally Adjusted

Source: Bureau of Labor Statistics, Local Area Unemployment Statistics Program.

Extracted 8/26/2016

Prepared by: C. McGrath, WY DWS R&P, 8/26/2016.

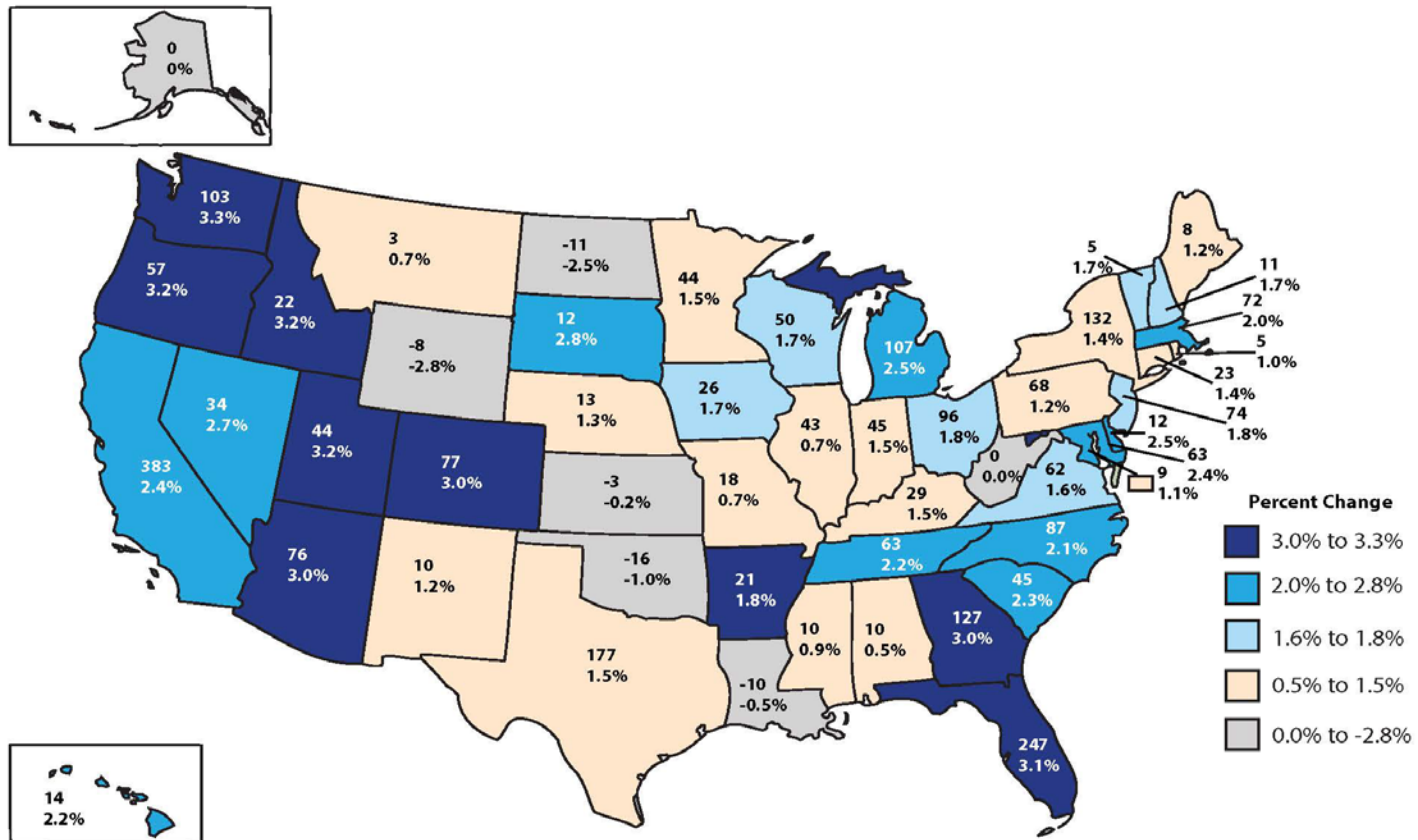
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\*Not Seasonally Adjusted  
Source: Bureau of Labor Statistics, Local Area Unemployment Statistics Program.  
Extracted 8/26/2016  
Prepared by: C. McGrath, WY DWS R&P, 8/26/2016.



Figure: Not Seasonally Adjusted Employee Payroll Net Change\* and Percent Change by State July 2015<sup>a</sup> to July 2016<sup>a</sup>



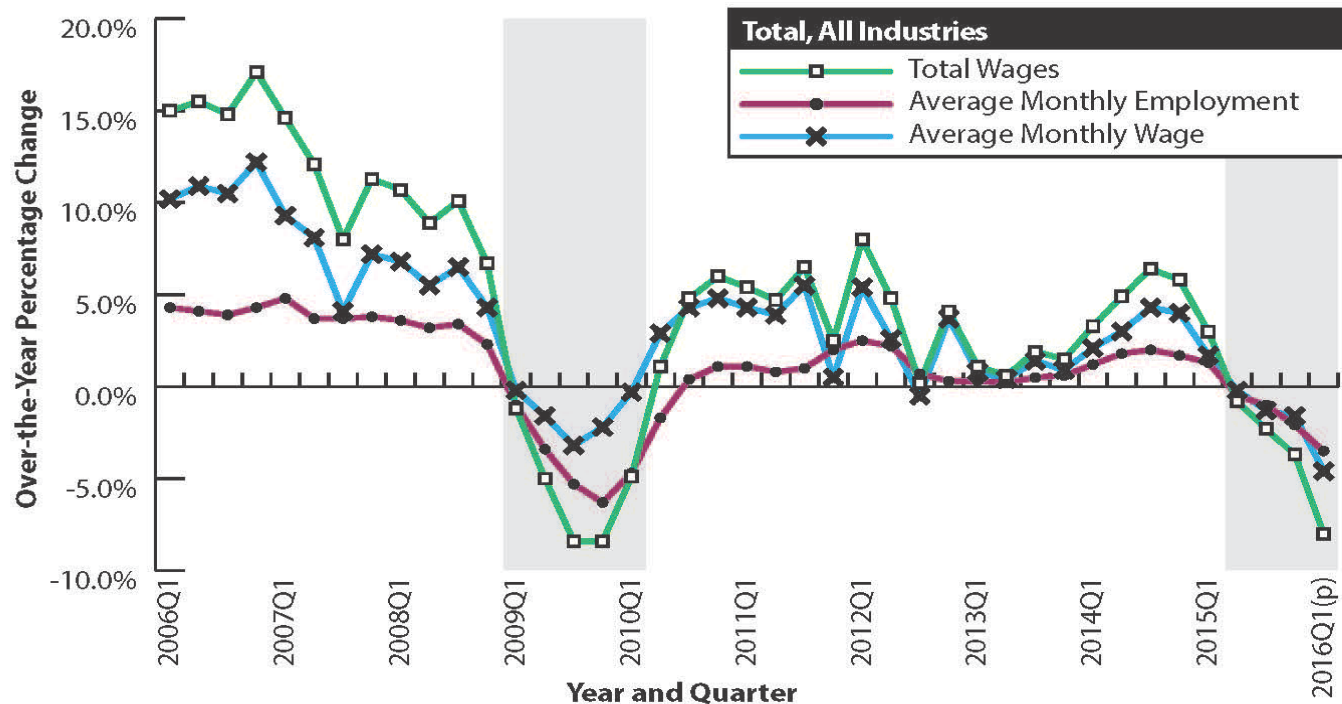
\*Net Change in thousands

<sup>a</sup>Preliminary.

Source: Bureau of Labor Statistics, Local Area Unemployment Statistics program. Extracted August 26, 2016.

Prepared by C. McGrath, Research & Planning, WY DWS, 8/26/16.

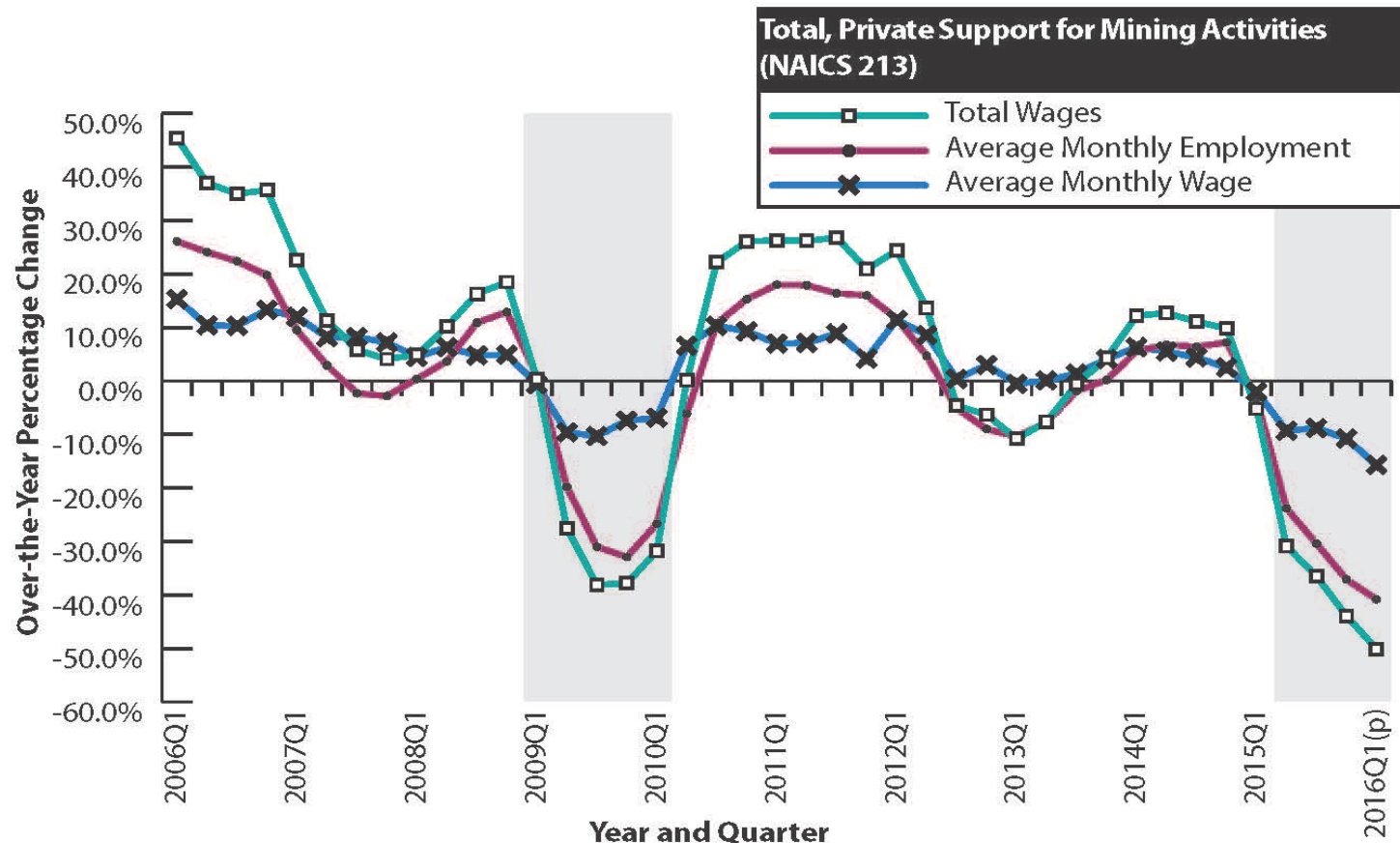
Figure: Over-the-Year Percentage Change for Total Wages, Average Monthly Employment, and Average Monthly Wage Across All Industries in Wyoming by Year and Quarter, 2006Q1 to 2016Q1



(p)Preliminary.

Source: Quarterly Census of Employment and Wages.

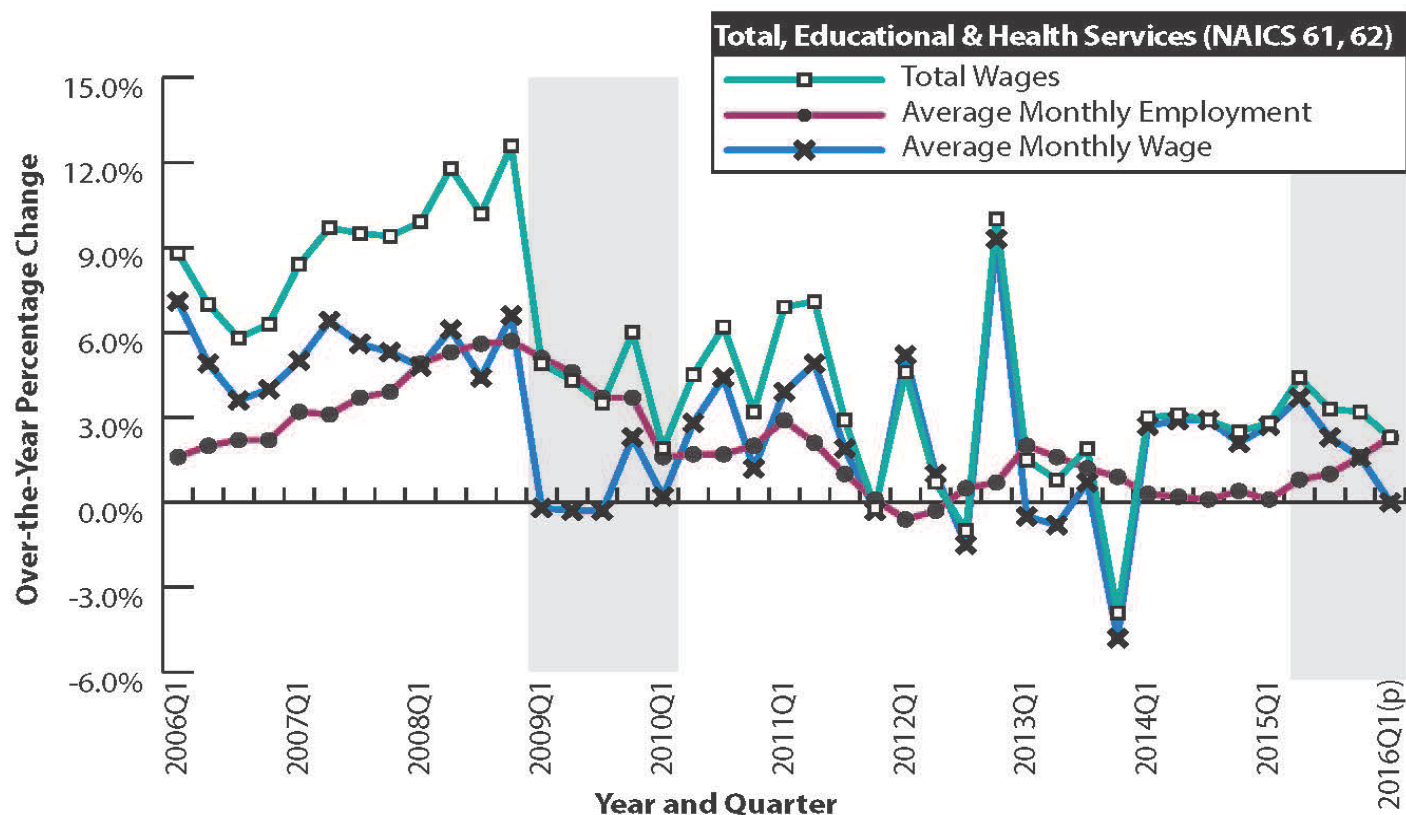
Figure: Over-the-Year Percentage Change for Total Wages, Average Monthly Employment, and Average Monthly Wage for Private Support for Mining Activities (NAICS 213) in Wyoming by Year and Quarter, 2006Q1 to 2016Q1



(p)Preliminary.

Source: Quarterly Census of Employment and Wages.

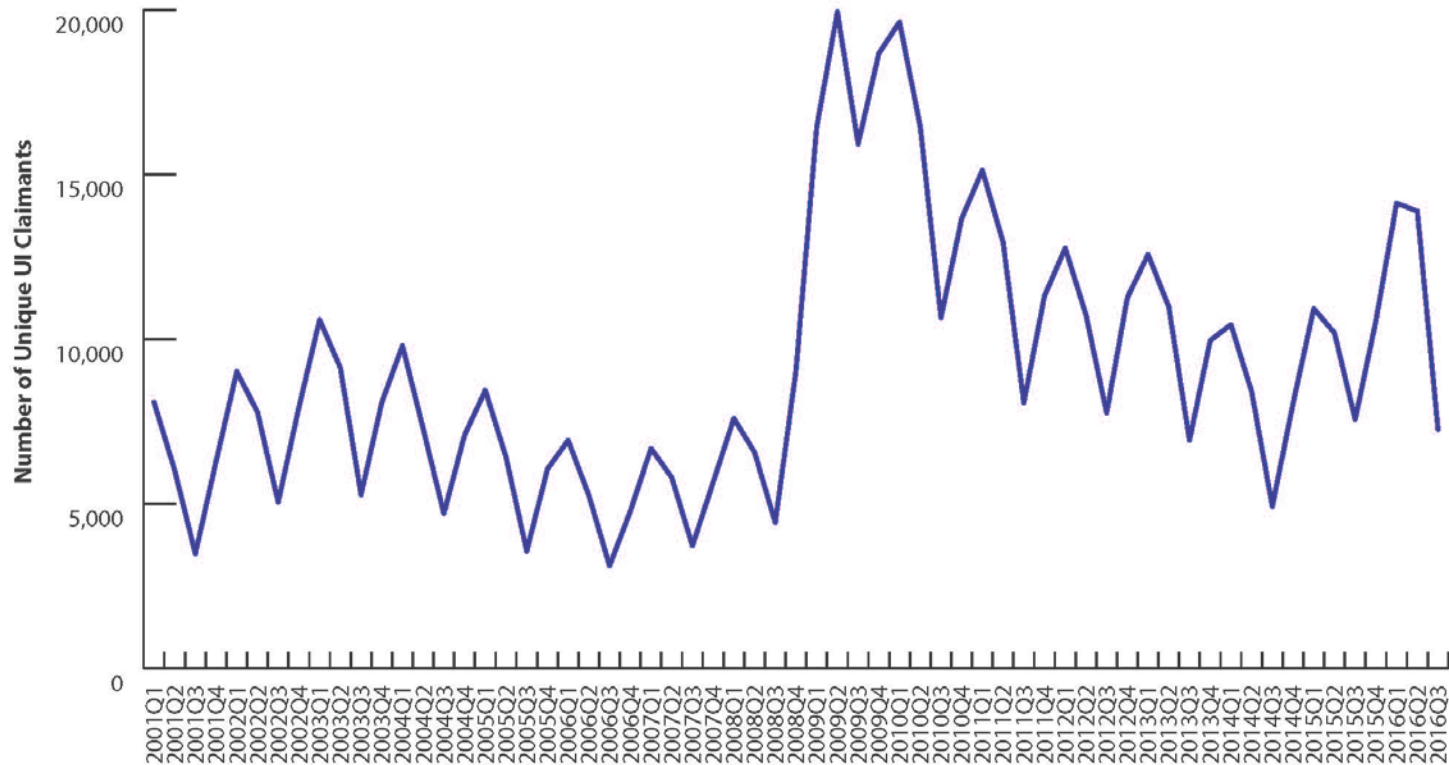
Figure: Over-the-Year Percentage Change for Total Wages, Average Monthly Employment, and Average Monthly Wage for Educational & Health Services (NAICS 61, 62) in Wyoming by Year and Quarter, 2006Q1 to 2016Q1



(p)Preliminary.

Source: Quarterly Census of Employment and Wages.

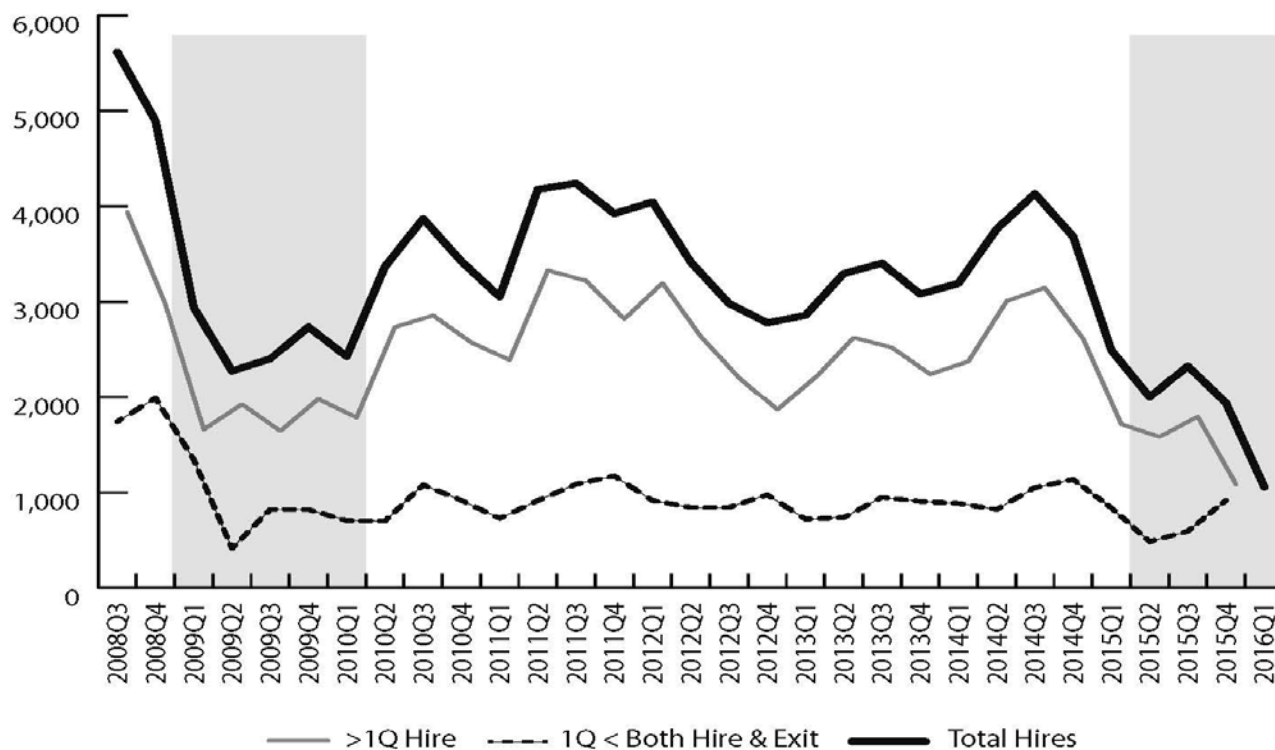
Figure: Number of Unique Unemployment Insurance (UI) Claimants with Continued Claims, 2001Q1 to 2016Q3



Source: UI Claims Database

Prepared by: L. Mohondro, Research & Planning, WY DWS, 08/17/2016

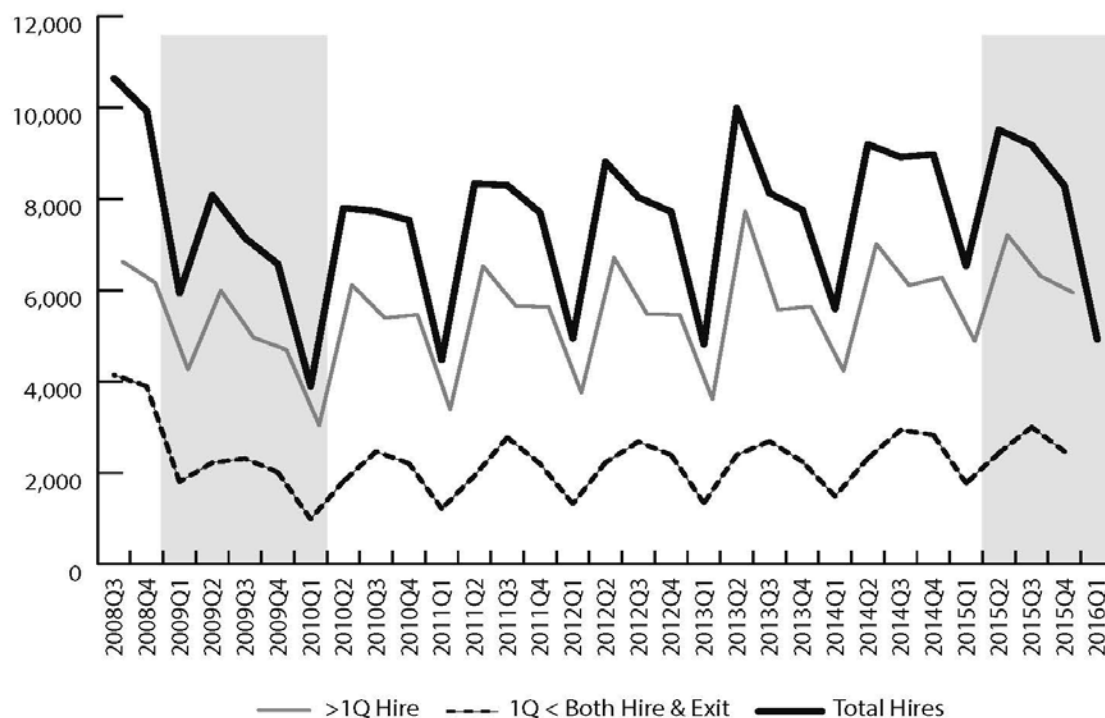
Figure: Number of Hires, Both Hires & Exits, and Total Hires in Mining in Wyoming for 2008Q3 to 2016Q1



Shaded areas indicate periods of economic downturn (2009Q1-2010Q1 & 2015Q2-2016Q1).  
 Source: Research & Planning, Wyoming Department of Workforce Services. (2016)  
 Wyoming Turnover by Year and Quarter, 1992Q1 to 2016Q1.  
 Retrieved from <http://doe.state.wy.us/LMI/turnover.htm>  
 C. McGrath, Research & Planning, WY DWS, 8/29/2016



Figure: Number of Hires, Both Hires & Exits, and Total Hires in Retail Trade in Wyoming for 2008Q3 to 2016Q1



Shaded areas indicate periods of economic downturn (2009Q1-2010Q1 & 2015Q2-2016Q1).

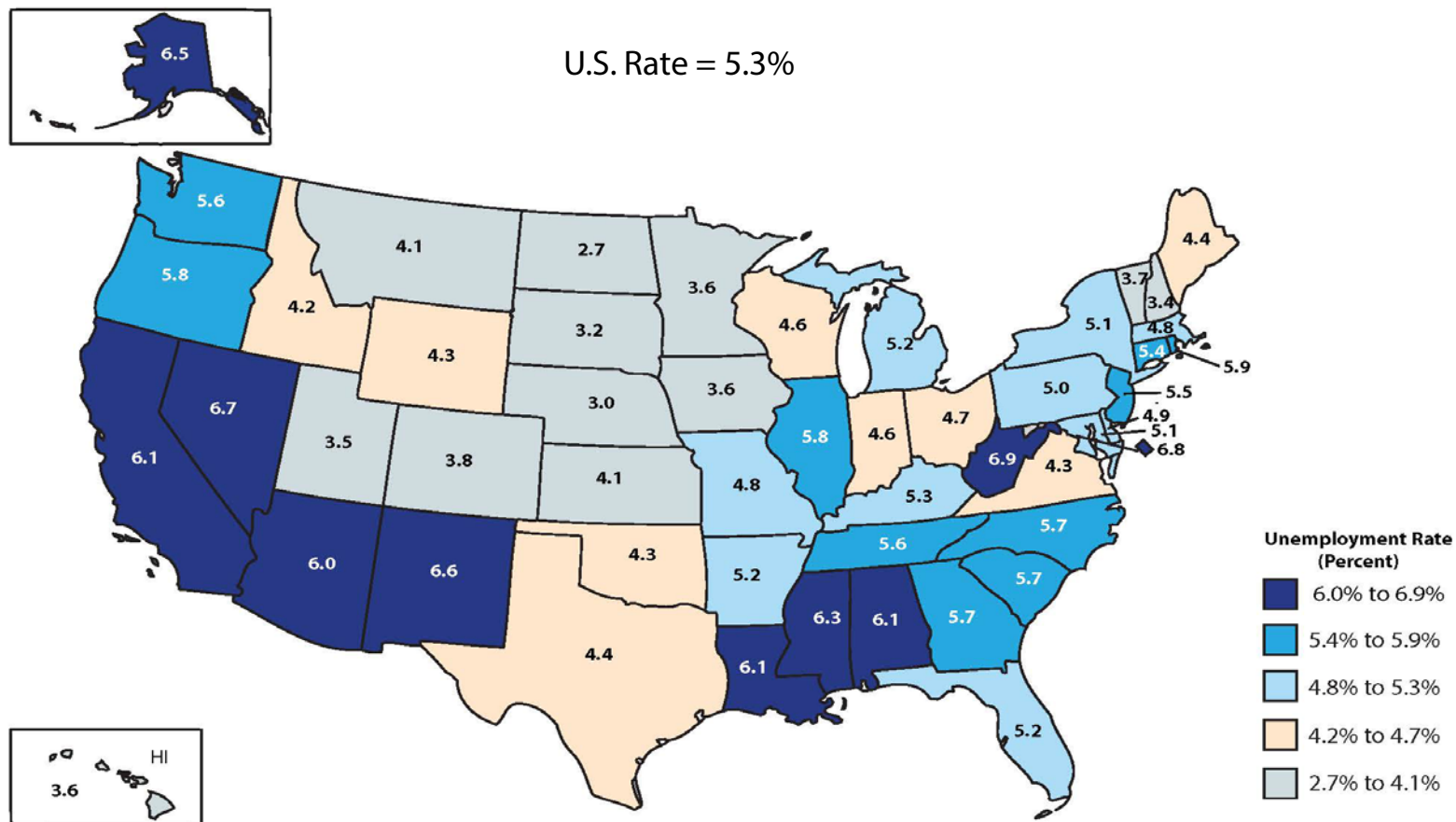
Source: Research & Planning, Wyoming Department of Workforce Services. (2016)

Wyoming Turnover by Year and Quarter, 1992Q1 to 2016Q1.

Retrieved from <http://doe.state.wy.us/LMI/turnover.htm>

C. McGrath, Research & Planning, WY DWS, 8/29/2016

Figure: Seasonally Adjusted Unemployment Rates by State, July 2015<sup>a</sup>



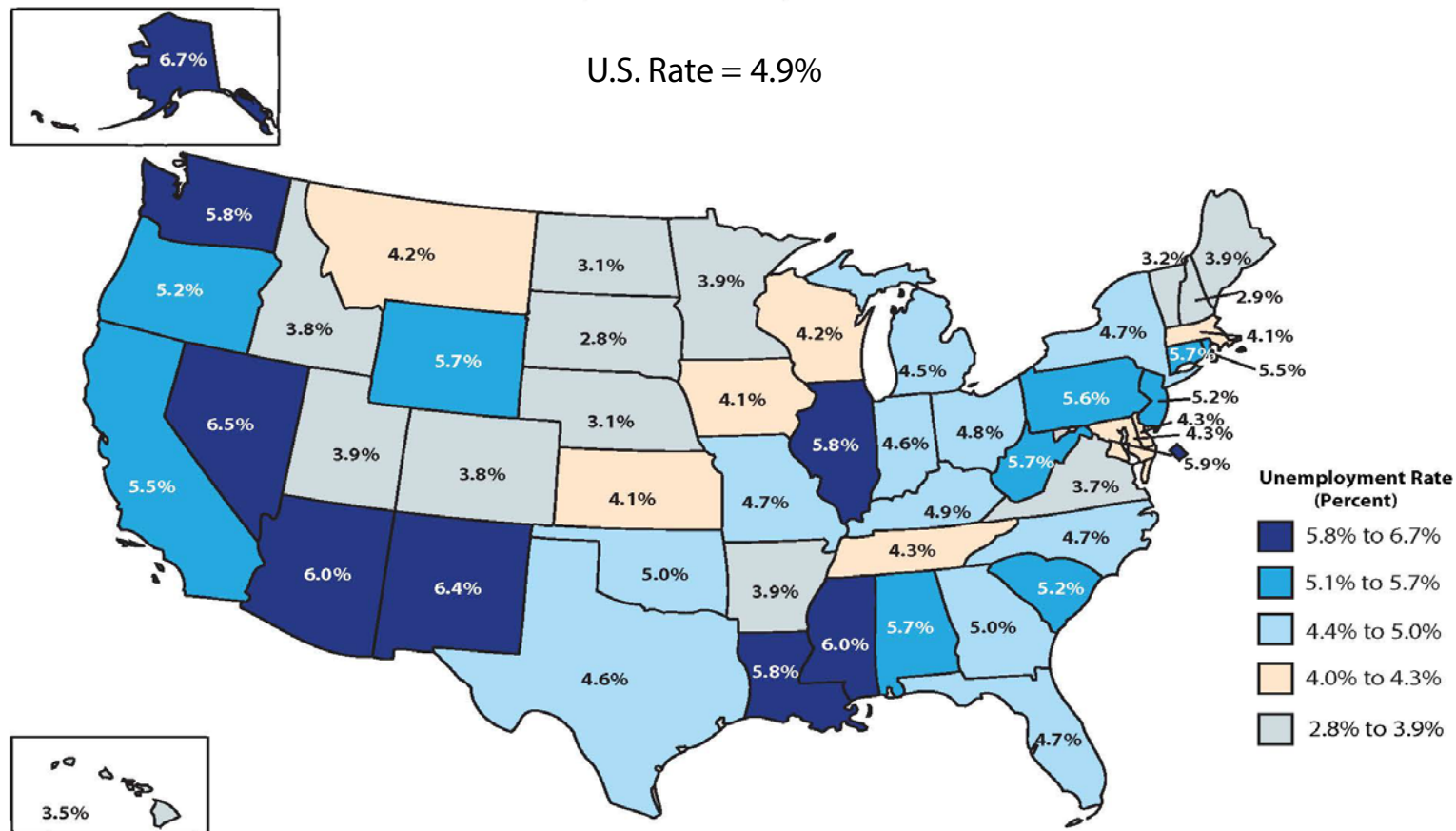
<sup>a</sup>Preliminary.

Source: Bureau of Labor Statistics, Local Area Unemployment Statistics program. Extracted August 26, 2016.

Prepared by C McGrath, Research & Planning, WY DWS, 8/26/16.



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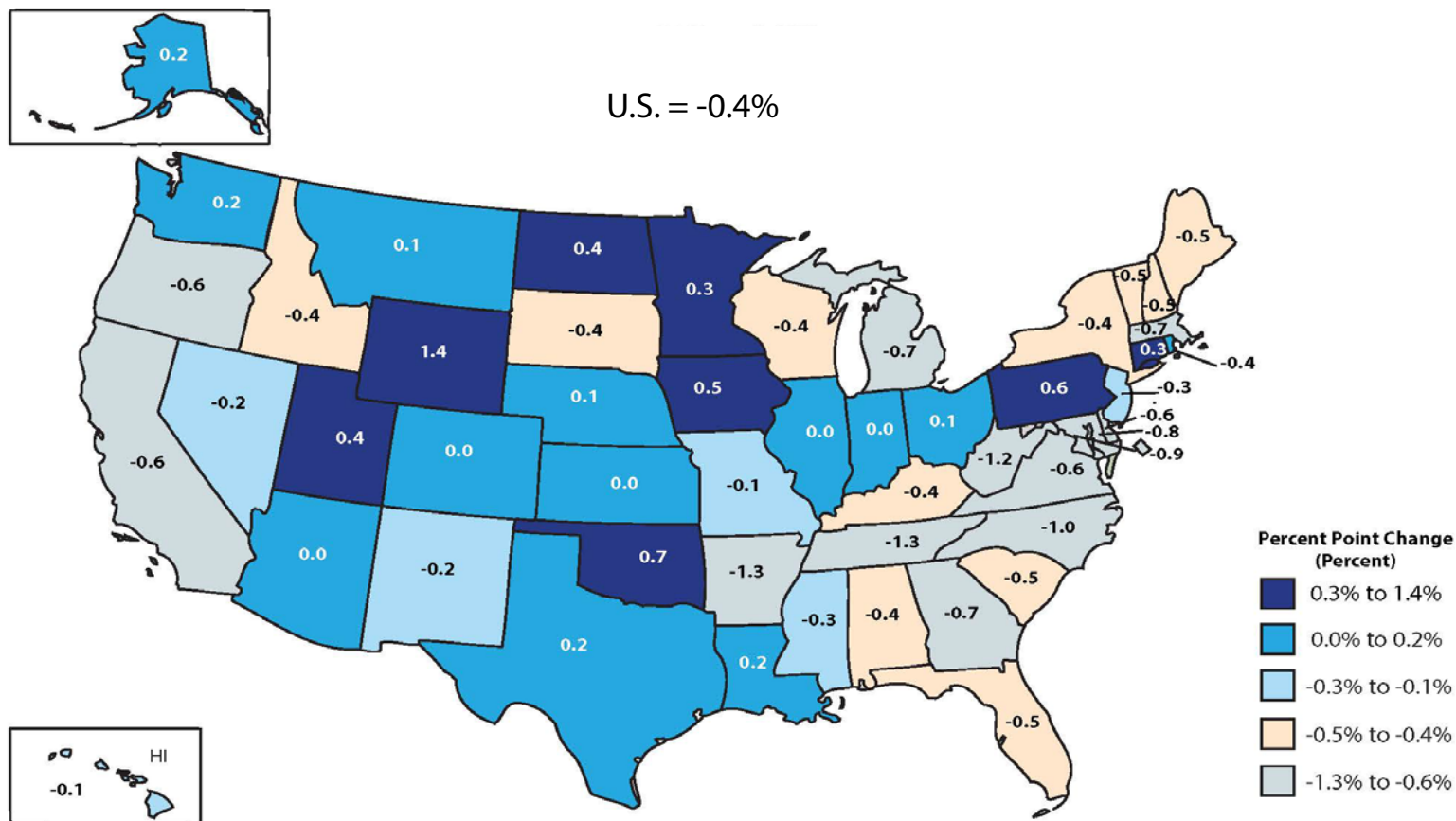


<sup>a</sup>Preliminary.

Source: Bureau of Labor Statistics, Local Area Unemployment Statistics program. Extracted August 26, 2016.

Prepared by C McGrath, Research & Planning, WY DWS, 8/26/16.

Figure: Over-the-Year Percentage Point Change in Unemployment Rates\* by State, July 2015<sup>a</sup> to July 2016<sup>a</sup>



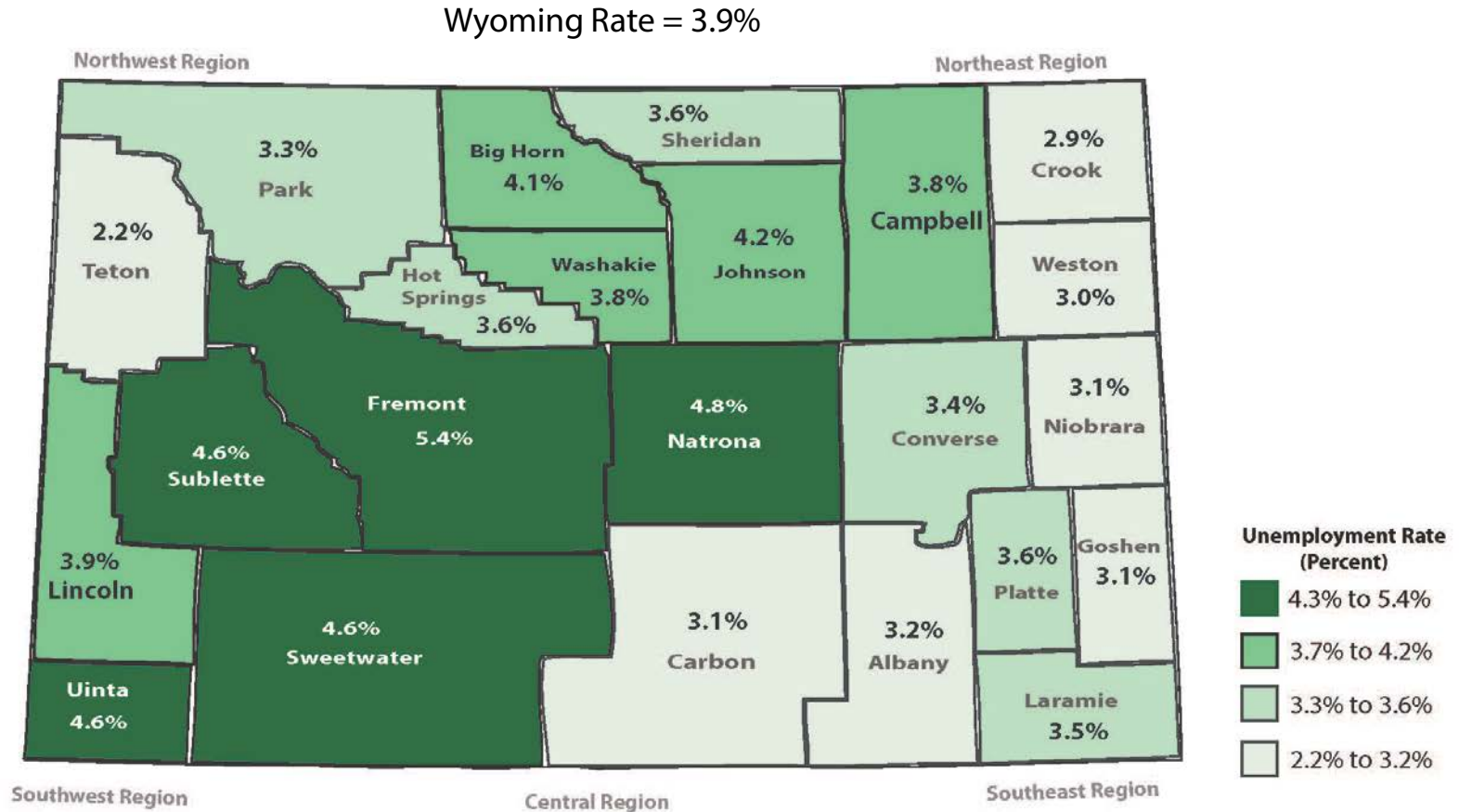
\*Seasonally Adjusted

<sup>a</sup>Preliminary.

Source: Bureau of Labor Statistics, Local Area Unemployment Statistics program. Extracted August 26, 2016.

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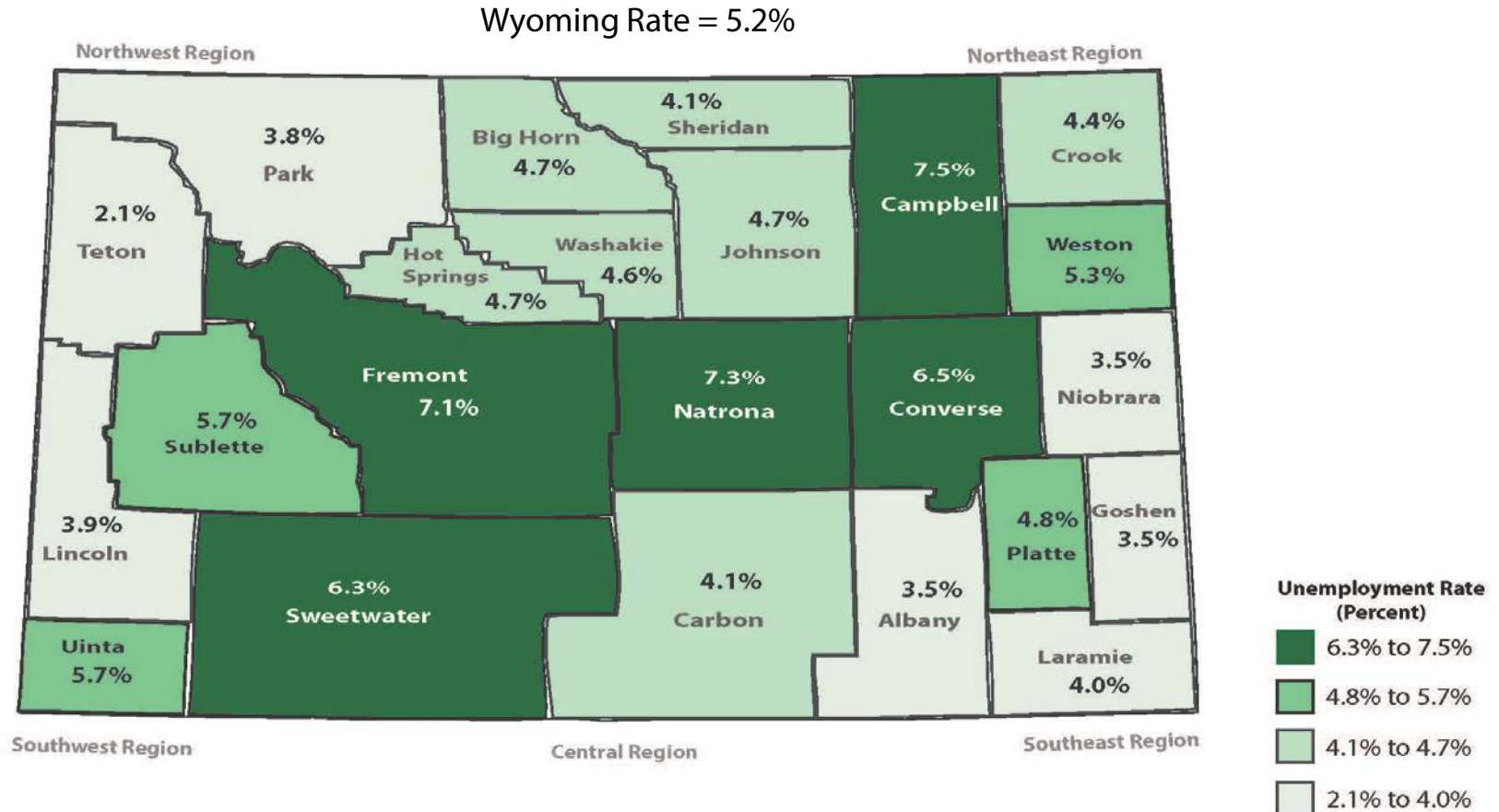
Figure: Wyoming Unemployment Rates\* by County, July 2015



\*Not Seasonally Adjusted

Source: C. McGrath, Research & Planning, WY DWS, 8/24/2016

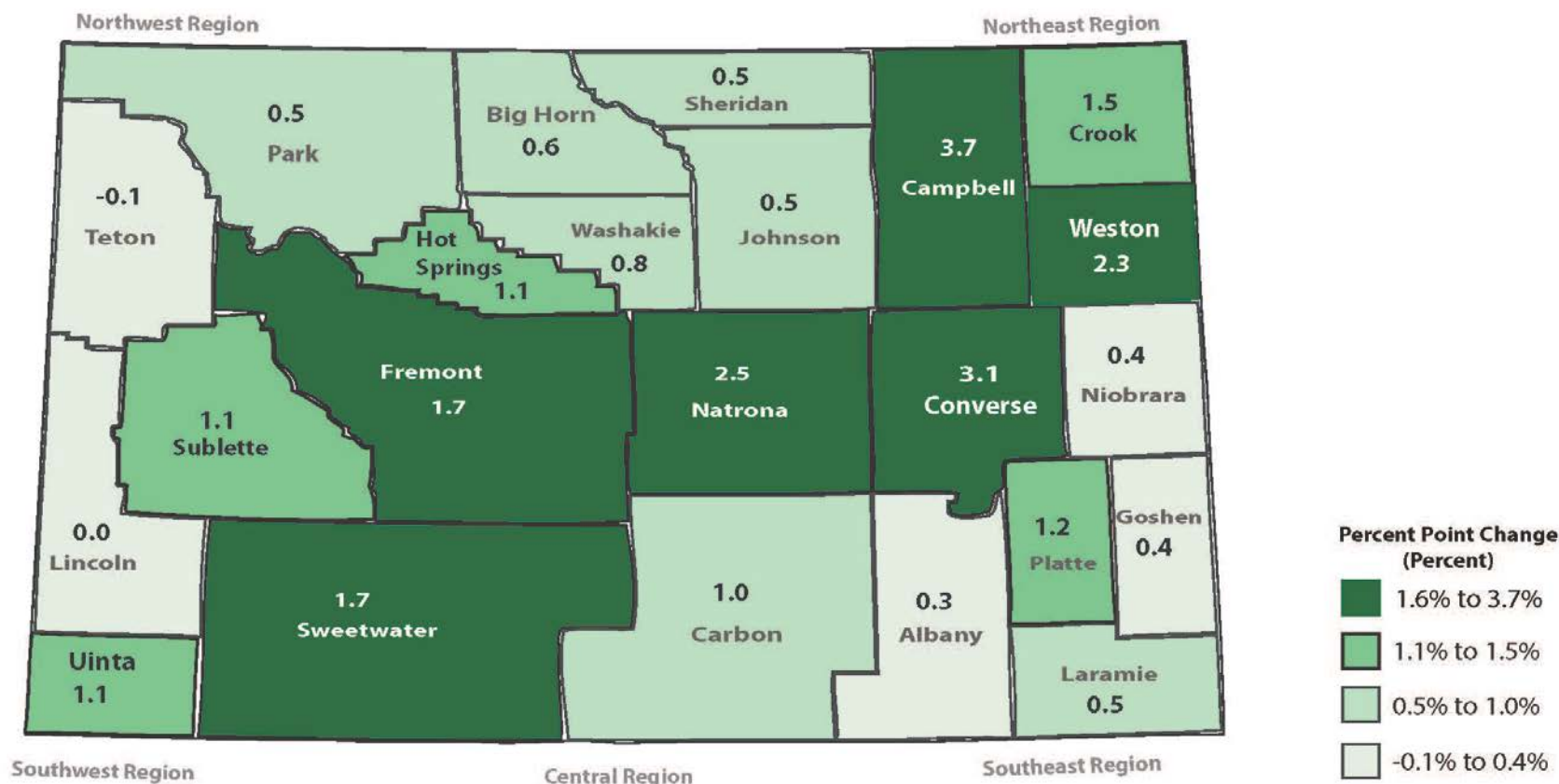
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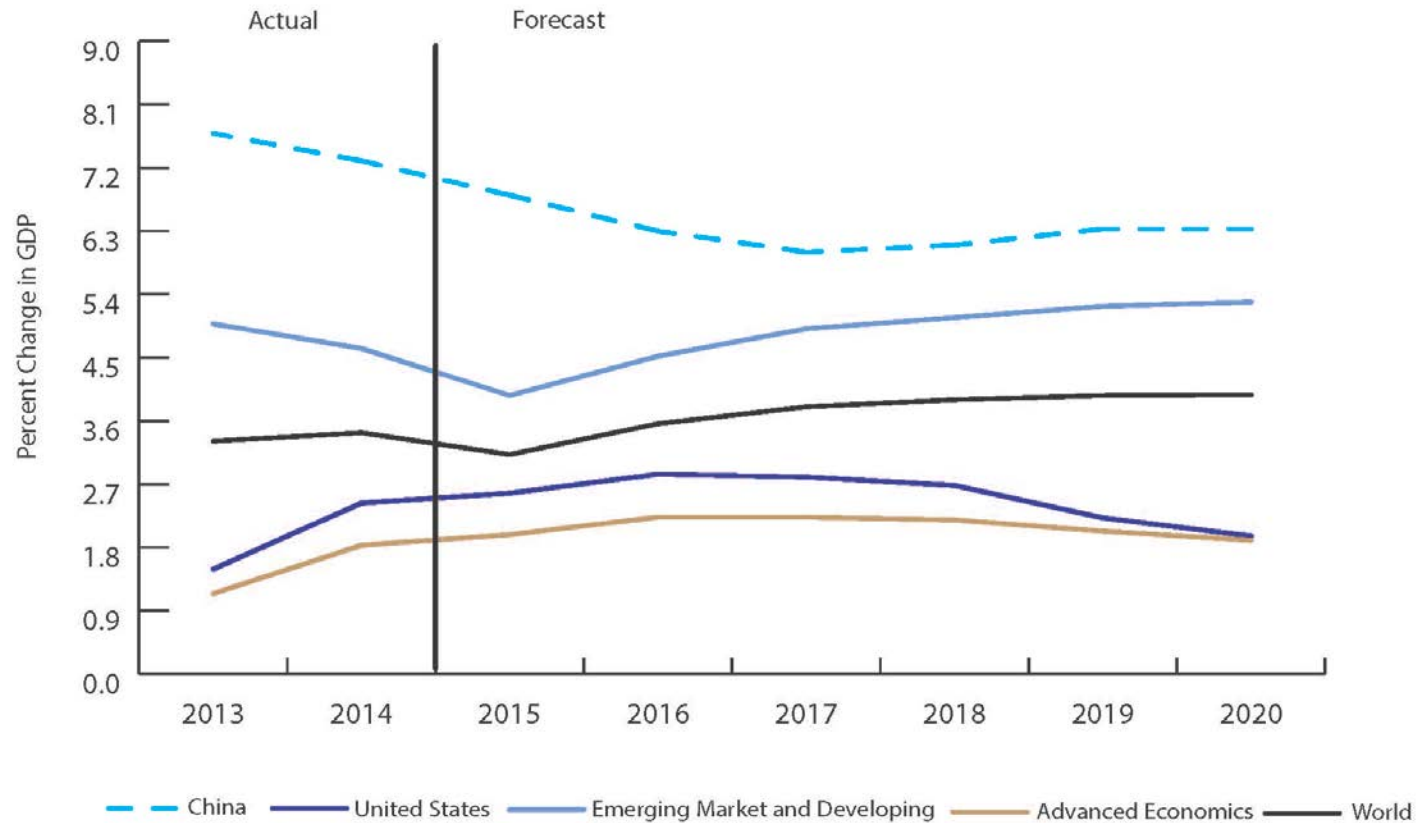
Wyoming Rate Change = 1.3%



\*Not Seasonally Adjusted

Source: C. McGrath, Research & Planning, WY DWS, 8/24/2016

Figure: Percentage Change in U.S. Gross Domestic Product, 2013-2020

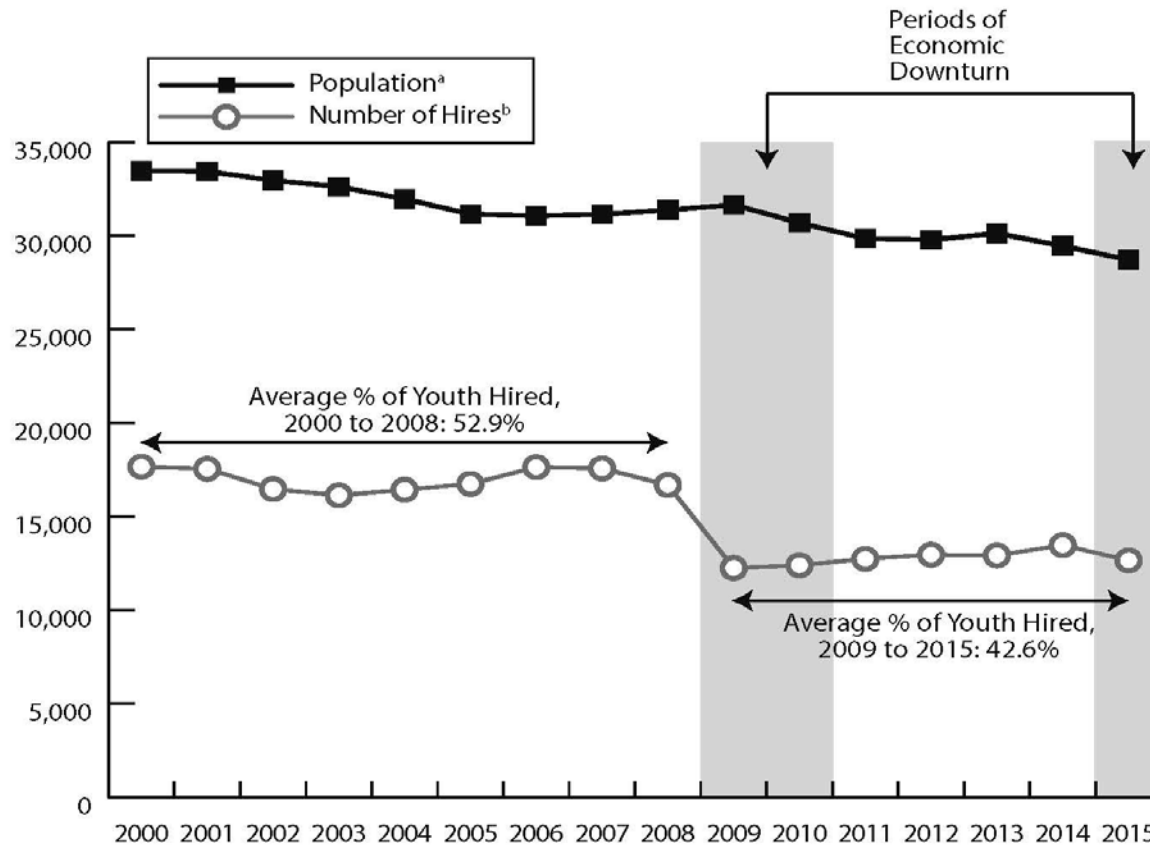


Sources: International Monetary Fund  
<http://www.imf.org/external/pubs/ft/weo/2015/02/weodata/index.aspx>  
Archive of the World Economic Outlook databases  
Prepared by: P. Manning, Research & Planning, WY DWS, 8/22/2016



**Are dislocated workers  
employed in the jobs in which  
youth would be working?**

Figure: Estimated Population and Total Number of Hires in a Calendar Year in Wyoming, Ages 16-19, 2000-2015



<sup>a</sup>Source: U.S. Census Bureau. State Intercensal Estimates by Single Year of Age, 2000-2010 and 2010-2015.

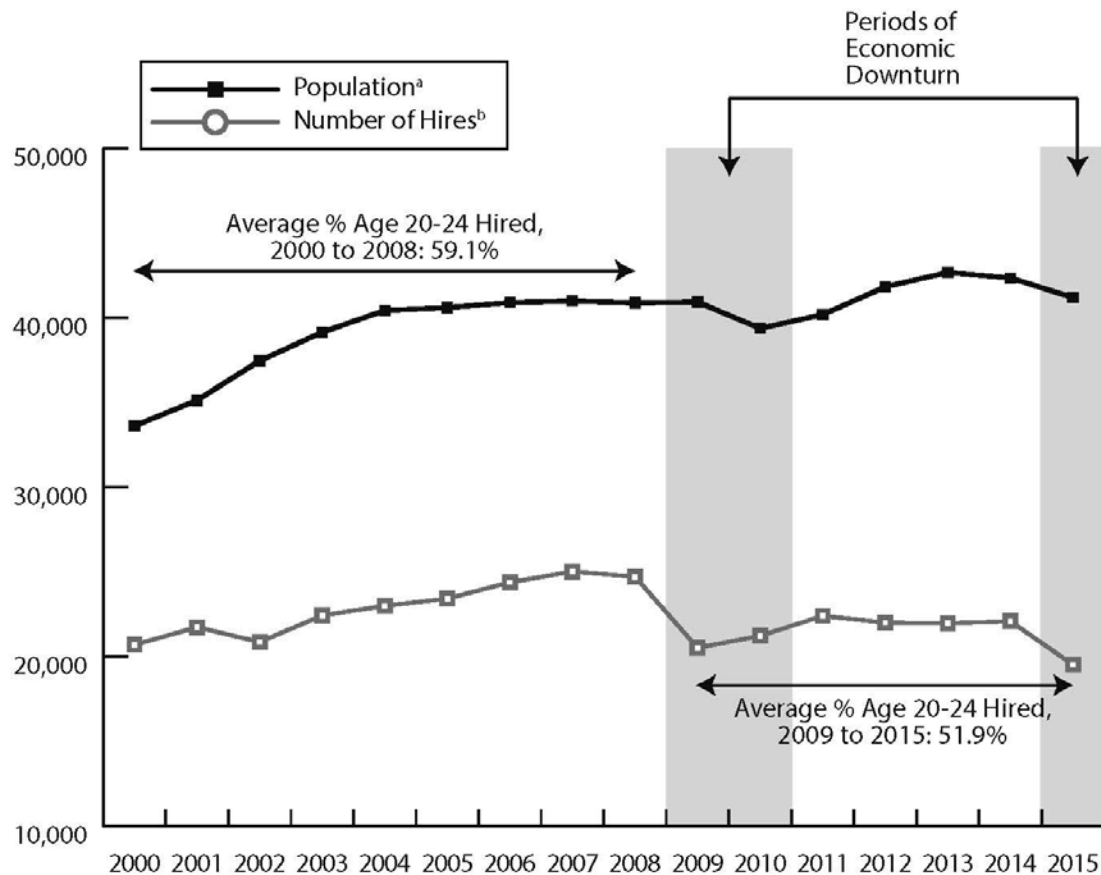
<sup>b</sup>Source: Research & Planning, Wyoming Department of Workforce Services. (2016). Wyoming Turnover by Year and Quarter, 1992Q1 to 2015Q4.

Retrieved from <http://doe.state.wy.us/LMI/turnover.htm>

Note: Hires = distinct number of SSNs.



Figure: Estimated Population and Total Number of Hires in a Calendar Year in Wyoming, Ages 20-24, 2000-2015



<sup>a</sup>Source: U.S. Census Bureau. State Intercensal Estimates by Single Year of Age, 2000-2010 and 2010-2015.

<sup>b</sup>Source: Research & Planning, Wyoming Department of Workforce Services. (2016). Wyoming Turnover by Year and Quarter, 1992Q1 to 2015Q4.

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Note: Hires = distinct number of SSNs.



## Wyoming Department of Workforce Services Research & Planning



# Introduction to Community College Workforce Outcomes

Presented by: Tony Glover, Workforce Information Supervisor



Wyoming Workforce Development Council, September 16, 2016

# Questions?

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