



# Labor Market Trends and Labor Market Outlook

WTCS Student Employment Services Coordinators



Tom Walsh

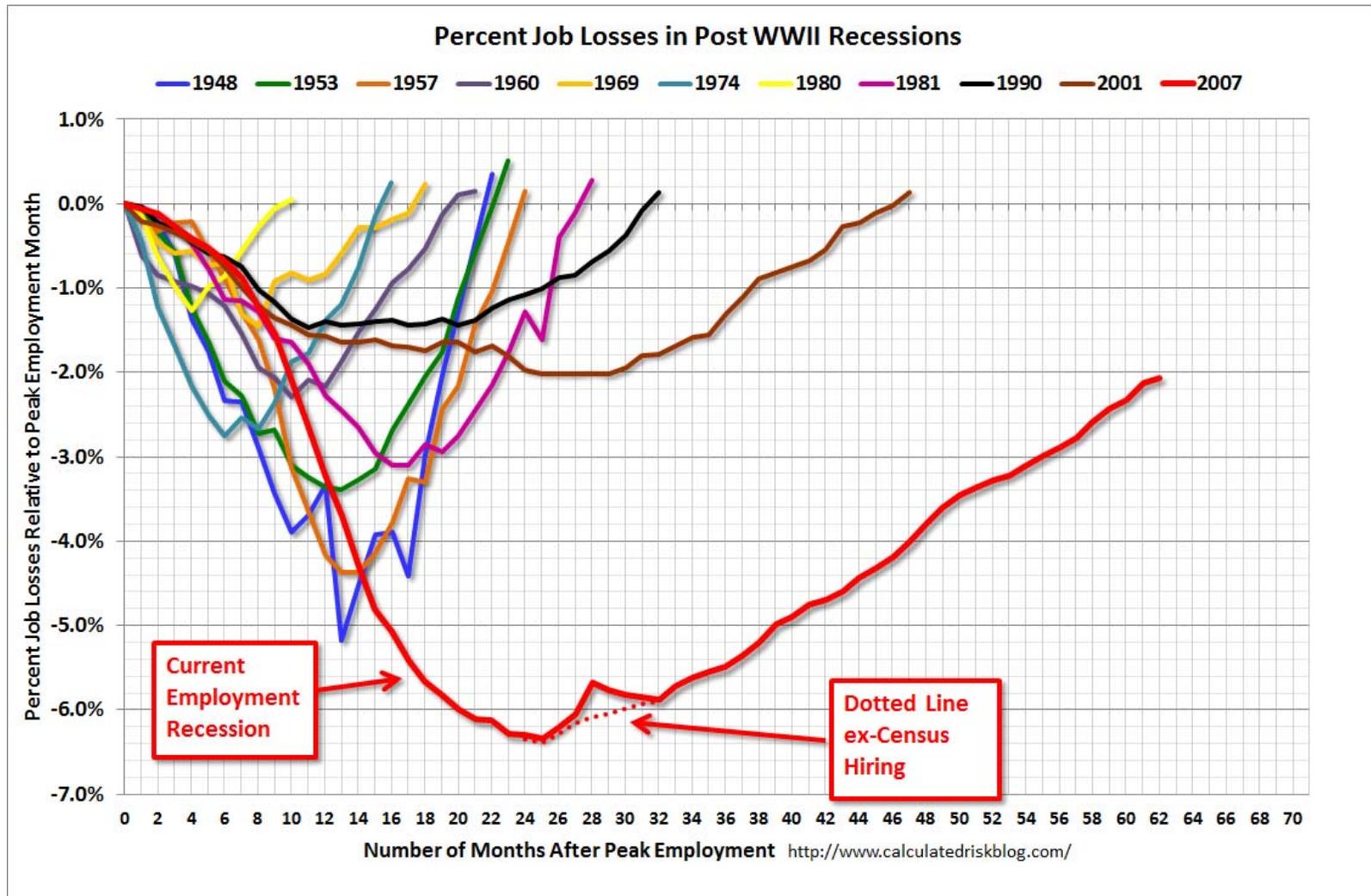
Economist, Office of Economic Advisors  
Department of Workforce Development

November 15, 2013

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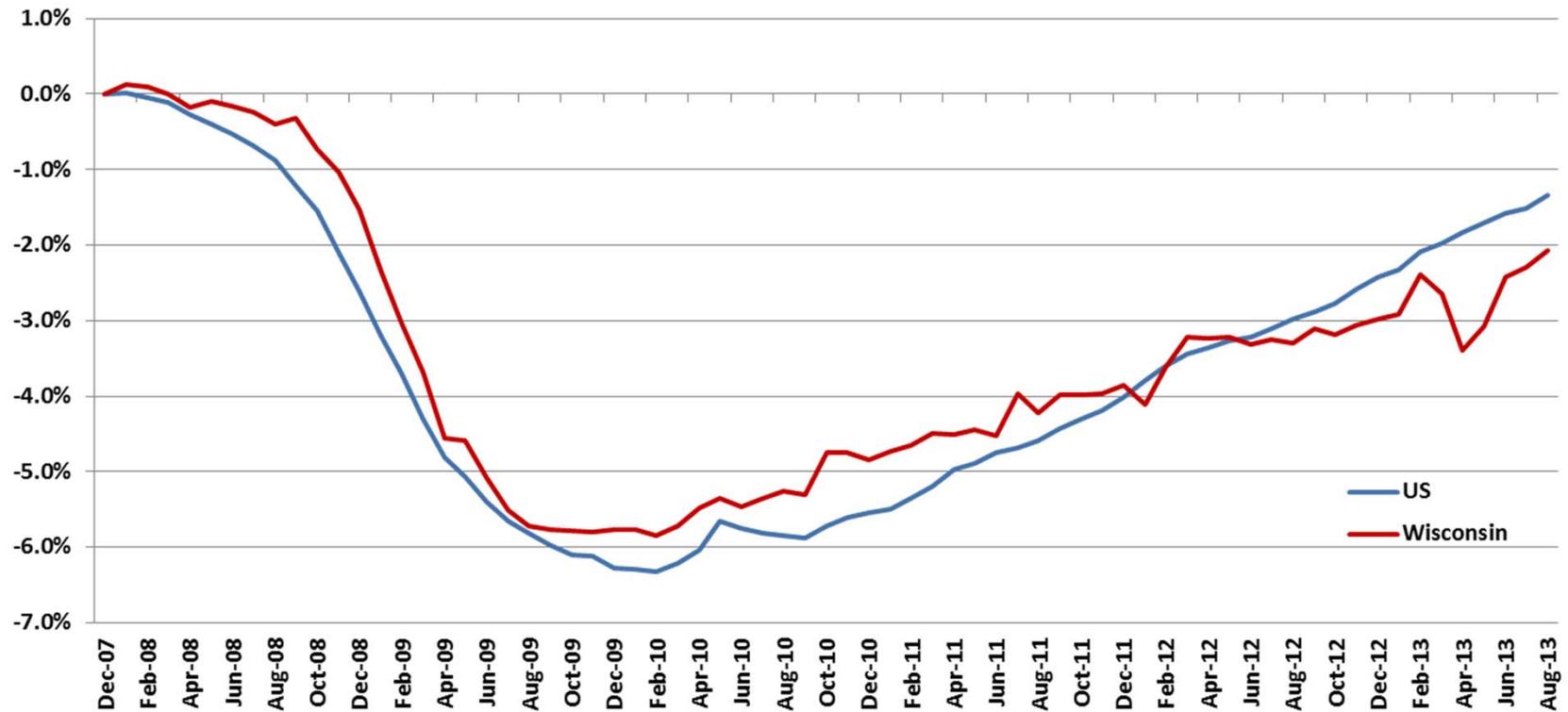
- Statewide LMI
- Examining Regional Economies
- Projections and Outlook
- Skill Explorer Demo

# Job Base – U.S.



# Job Base— U.S. and Wisconsin

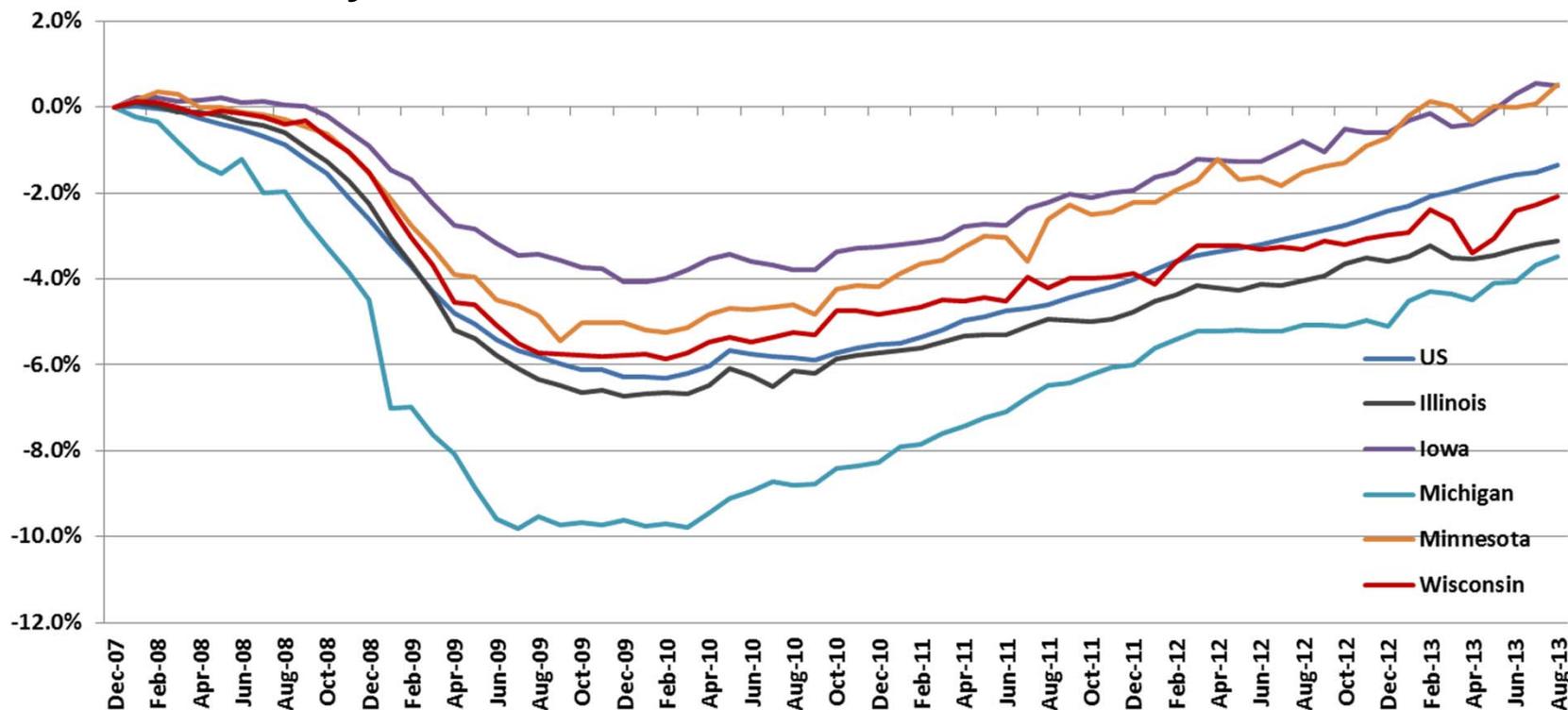
## Total Monthly Job Base Relative to December 2007



Source: Bureau of Labor Statics, Current Employment Statistics

# Job Base— Wisconsin and Neighboring States

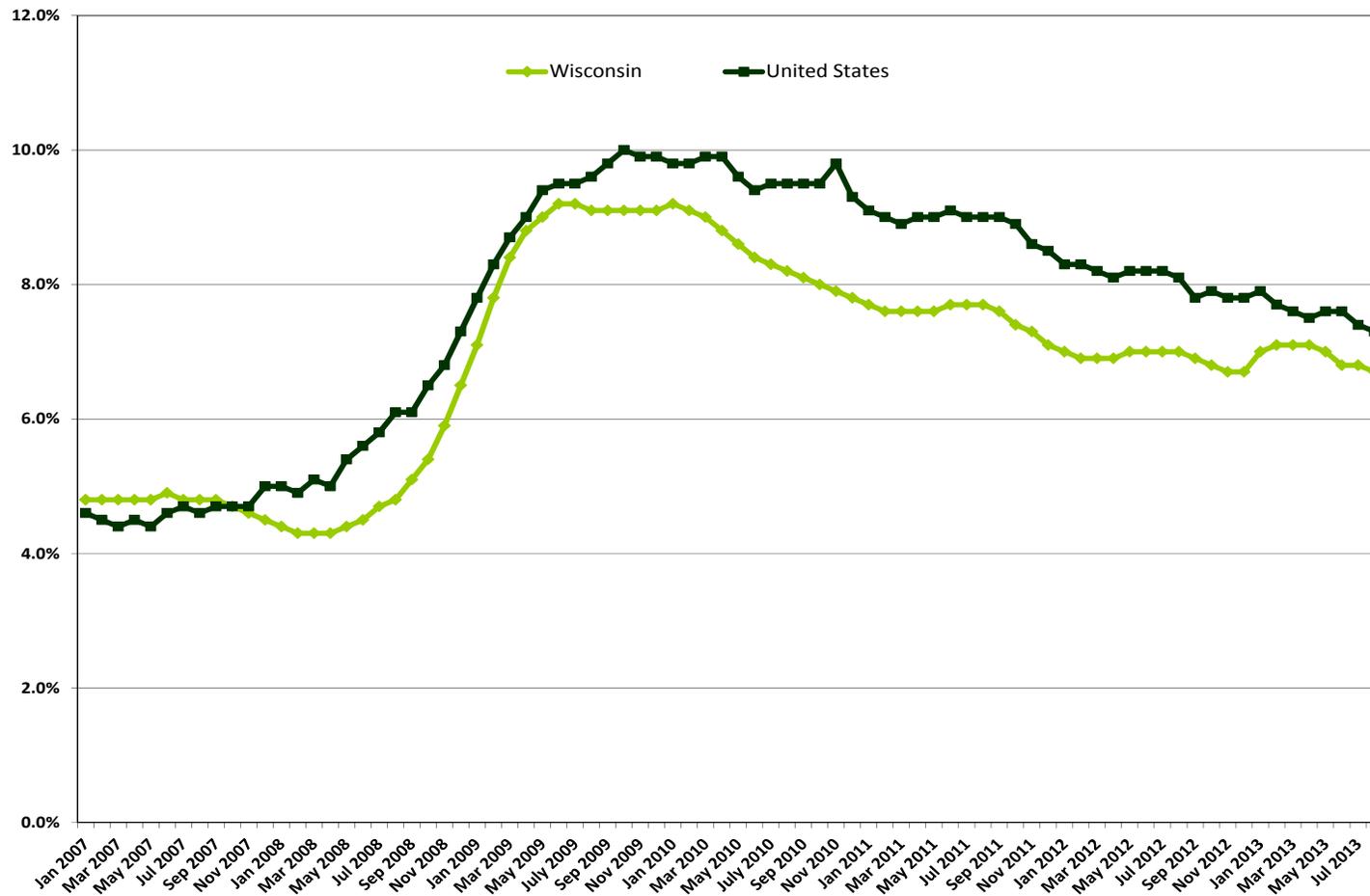
## Total Monthly Job Base Relative to December 2007



Source: Bureau of Labor Statics, Current Employment Statistics

# Unemployment Rates – Wisconsin and US

Monthly Unemployment Rates - Seasonally Adjusted

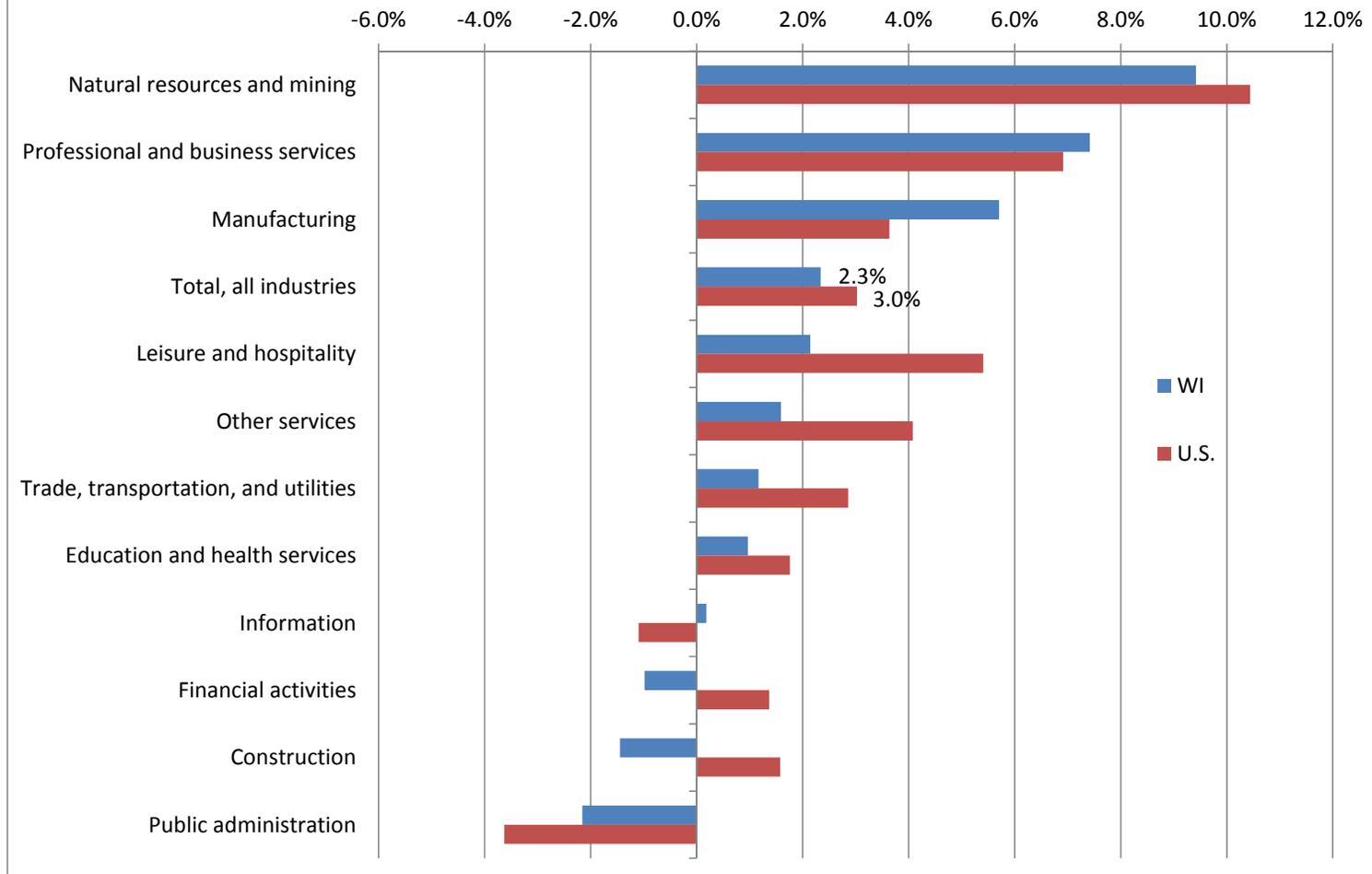


Source: Bureau of Labor Statics, LAUS and CPS

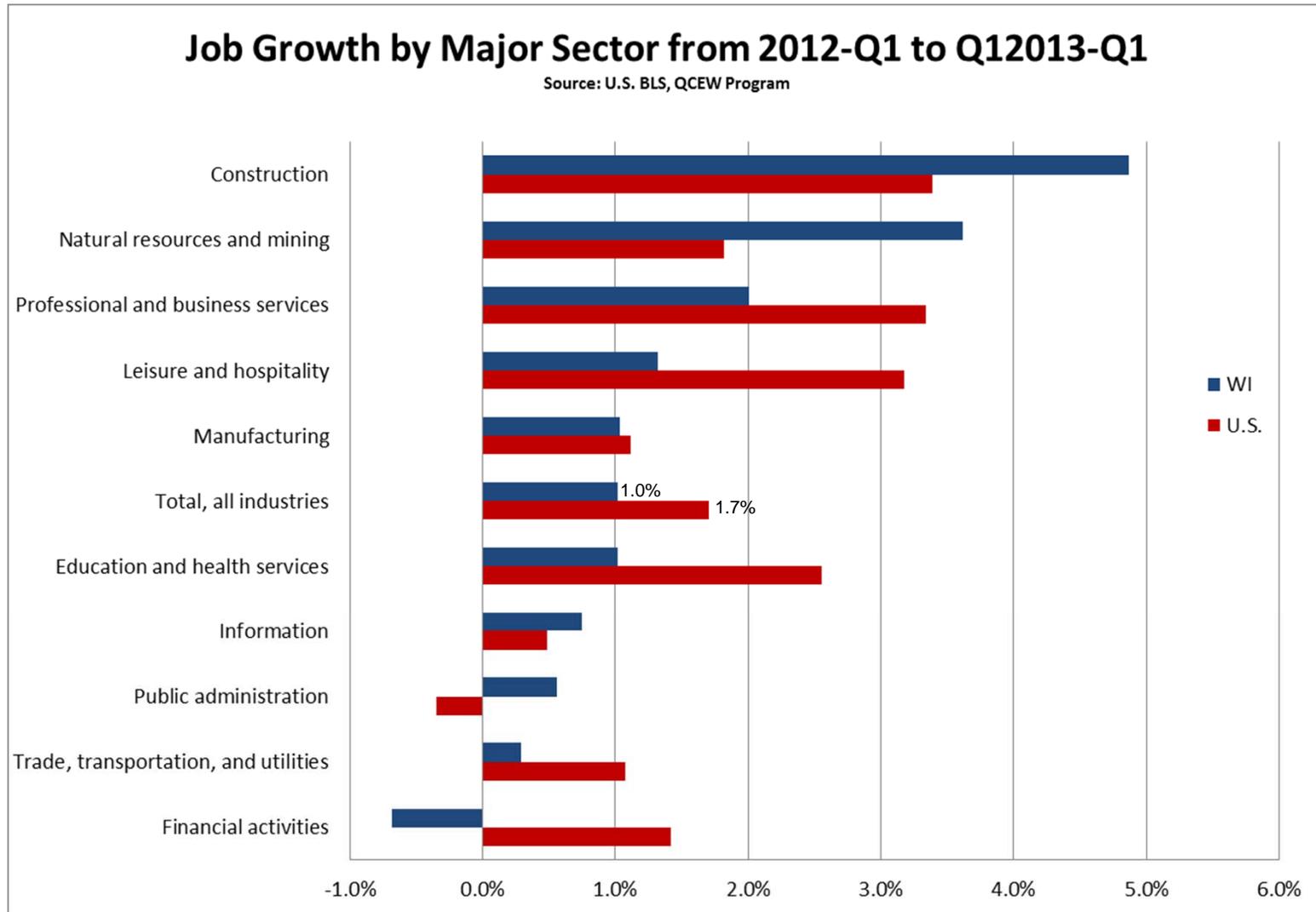
# Industry Employment Change

**Job Growth by Major Sector from 2010 to 2012, Wisconsin Compared to U.S.**

Source: U.S. BLS, QCEW program



# Industry Employment Change



# Industry Employment Change

| <b>Top 25 Industries in Wisconsin Increasing in Number of Jobs, Q1.2010 to Q1. 2013</b> |                           |                           |                          |                                  |
|---|---------------------------|---------------------------|--------------------------|----------------------------------|
|   | <b>Numeric Job Growth</b> | <b>Percent Job Growth</b> | <b>Total Wage Growth</b> | <b>Percent Total Wage Growth</b> |
| Admin & Support Services  | 17,933                    | 16.2%                     | \$182,501,545            | 29.0%                            |
| Fabricated Metal Product Mfg  | 11,288                    | 18.5%                     | \$243,459,144            | 37.2%                            |
| Machinery Mfg   | 9,258                     | 16.1%                     | \$230,618,844            | 28.8%                            |
| Management Of Companies & Enterprises   | 8,706                     | 18.9%                     | \$281,476,534            | 27.6%                            |
| Ambulatory Health Care Services   | 8,193                     | 7.5%                      | \$244,544,383            | 16.2%                            |
| Food Services & Drinking Places   | 6,615                     | 3.7%                      | \$62,382,851             | 12.8%                            |
| Professional & Technical Services   | 5,445                     | 5.8%                      | \$233,736,323            | 18.7%                            |
| Social Assistance   | 5,232                     | 8.5%                      | \$43,889,692             | 14.9%                            |
| Justice Public Order & Safety Activities  | 3,364                     | 15.2%                     | \$61,402,940             | 25.2%                            |
| Merch Whls Durable Goods  | 3,247                     | 5.4%                      | \$156,705,710            | 20.3%                            |
| Motor Vehicle & Parts Dealers   | 3,094                     | 9.7%                      | \$50,052,026             | 19.4%                            |
| Food Mfg  | 3,023                     | 5.2%                      | \$111,347,194            | 19.0%                            |
| Elect Markets & Agents & Brokers  | 2,738                     | 36.7%                     | \$82,035,144             | 59.2%                            |
| Prime Metal Mfg   | 2,707                     | 18.8%                     | \$51,595,332             | 31.6%                            |
| Plastics & Rubber Products Mfg  | 2,543                     | 9.4%                      | \$72,549,368             | 24.9%                            |
| Nursing & Residential Care Facilities   | 2,220                     | 2.7%                      | \$41,019,597             | 8.7%                             |
| Animal Production & Aquaculture   | 2,200                     | 19.3%                     | \$21,340,732             | 30.0%                            |
| Truck Trans   | 2,138                     | 5.5%                      | \$70,264,773             | 19.7%                            |
| Elect Equip & Appliance Mfg   | 1,949                     | 9.4%                      | \$122,548,184            | 41.4%                            |
| Unclassified  | 1,837                     | 20.7%                     | \$13,888,458             | 15.6%                            |
| Publishing Ind Exc Internet   | 1,456                     | 8.5%                      | \$76,633,332             | 36.7%                            |
| Specialty Trade Contractors   | 1,416                     | 2.7%                      | \$69,928,142             | 12.7%                            |
| Misc Store Retailers  | 1,359                     | 10.1%                     | \$8,261,839              | 14.4%                            |
| Amusements Gambling & Recreation  | 1,314                     | 4.7%                      | \$18,255,499             | 16.1%                            |
| Chemical Mfg  | 1,135                     | 7.5%                      | \$31,918,913             | 12.7%                            |
| <b>Total, All Industries</b>  | <b>95,540</b>             | <b>3.7%</b>               | <b>\$4,100,404,886</b>   | <b>16.7%</b>                     |
| Source: DWD, LMI, Quarterly Census of Employment and Wages                              |                           |                           |                          |                                  |

# Industry Employment Change

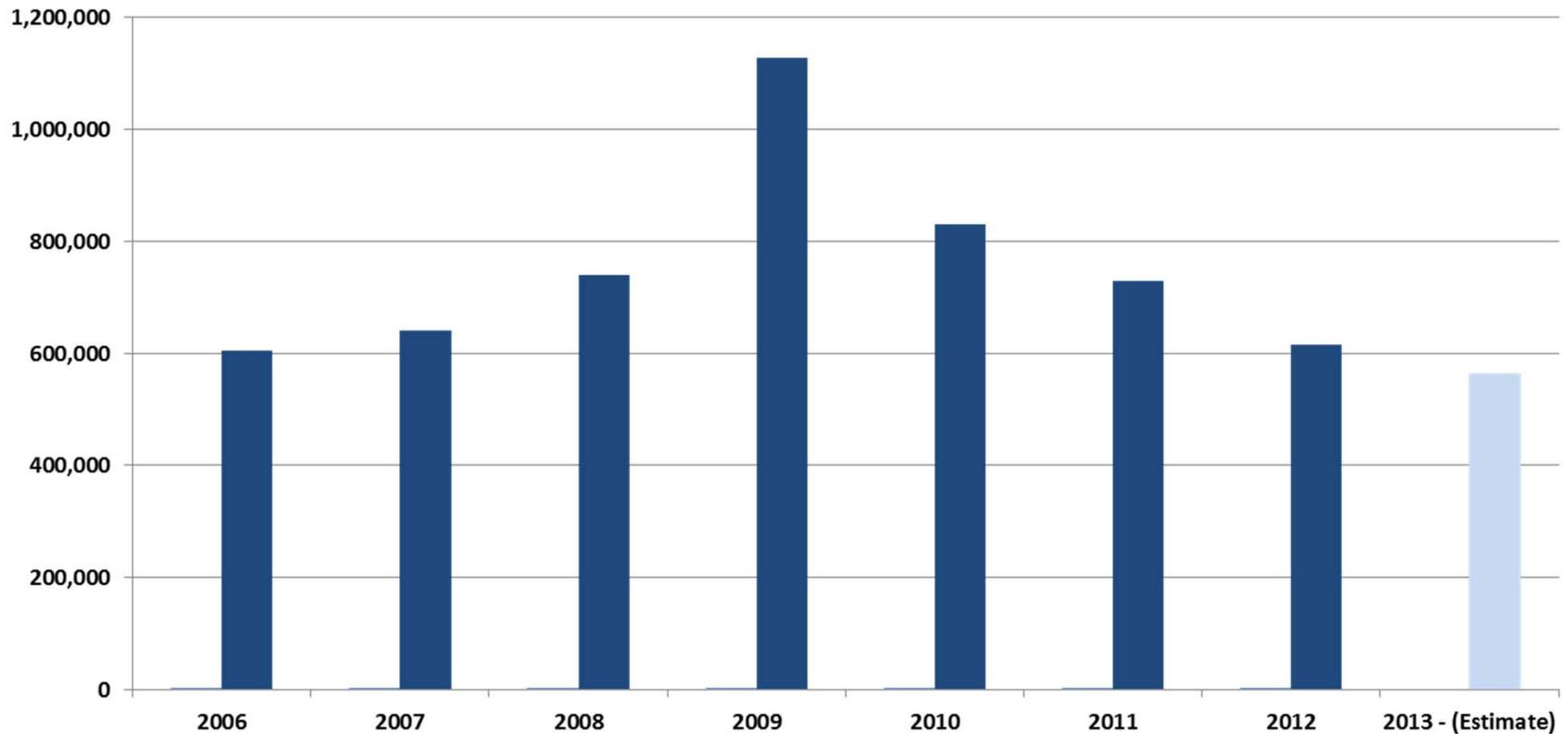
**Top 25 Industries in Wisconsin Decreasing in Number of Jobs, Q1.2010 to Q1. 2013**

|  | <b>Numeric Job Growth</b> | <b>Percent Job Growth</b> | <b>Total Wage Growth</b> | <b>Percent Total Wage Growth</b> |
|--|---------------------------|---------------------------|--------------------------|----------------------------------|
| Executive Legislative & General Govt       | -5,593                    | -6.3%                     | -\$230,250               | 0.0%                             |
| Educational Services                       | -3,222                    | -1.4%                     | \$139,493,800            | 6.2%                             |
| Credit Intermediation & Related Activities | -2,602                    | -4.9%                     | \$140,792,260            | 23.3%                            |
| Hospitals                                  | -2,095                    | -1.7%                     | \$209,742,292            | 15.5%                            |
| Telecommunications                         | -1,406                    | -10.7%                    | \$2,228,269              | 1.2%                             |
| Postal Service                             | -1,187                    | -9.2%                     | \$15,524,295             | 10.0%                            |
| Paper Mfg                                  | -1,084                    | -3.4%                     | \$40,707,066             | 8.9%                             |
| Nonstore Retailers                         | -1,063                    | -5.5%                     | \$8,504,090              | 5.4%                             |
| Rental & Leasing Services                  | -930                      | -13.4%                    | \$4,493,072              | 9.6%                             |
| Elect & Appliance Stores                   | -890                      | -9.5%                     | \$5,432,701              | 8.3%                             |
| Admin Of Economic Programs                 | -799                      | -9.9%                     | -\$1,256,965             | -1.3%                            |
| Air Trans                                  | -701                      | -28.0%                    | -\$2,136,978             | -8.9%                            |
| Membership Associations & Organizations    | -671                      | -2.4%                     | \$8,880,784              | 5.9%                             |
| Computer & Elect Product Mfg               | -659                      | -3.3%                     | \$43,488,005             | 13.7%                            |
| Motion Picture & Sound Recording Ind       | -470                      | -12.9%                    | -\$1,069,198             | -6.4%                            |
| Utilities                                  | -427                      | -3.2%                     | \$60,702,252             | 20.6%                            |
| Clothing & Clothing Accessories Stores     | -372                      | -2.0%                     | \$3,695,553              | 5.3%                             |
| Food & Beverage Stores                     | -309                      | -0.6%                     | \$20,409,675             | 9.2%                             |
| General Merchandise Stores                 | -262                      | -0.4%                     | \$46,940,652             | 17.6%                            |
| Misc. Mfg                                  | -221                      | -1.7%                     | \$13,842,306             | 9.8%                             |
| Furn & Home Furnishings Stores             | -210                      | -3.1%                     | \$901,200                | 2.0%                             |
| Textile Mills                              | -151                      | -10.0%                    | -\$1,681,271             | -8.5%                            |
| Admin Of Environmental Programs            | -93                       | -1.9%                     | \$864,928                | 1.5%                             |
| Transit & Ground Passenger Trans           | -62                       | -0.4%                     | \$3,366,086              | 4.1%                             |
| Scenic & Sightseeing Trans                 | -56                       | -42.4%                    | -\$462,995               | -53.0%                           |
| <b>Total, All Industries</b>               | <b>95,540</b>             | <b>3.7%</b>               | <b>\$4,100,404,886</b>   | <b>16.7%</b>                     |

Source: DWD, LMI, Quarterly Census of Employment and Wages

# Initial Claims for Unemployment Insurance

## Annual Initial Claims - Statewide



Source: Department of Workforce Development, Unemployment Insurance Statistics

# Initial Claims for Unemployment Insurance

## Initial Claims - Statewide

|                                 | 2012    | 2013    | % Change |
|---------------------------------|---------|---------|----------|
| <b>YTD</b>                      | 478,578 | 438,530 | -8.4%    |
| <b>Week 45 (4-Week Average)</b> | 11,278  | 9,521   | -15.6%   |

Source: Department of Workforce Development, Unemployment Insurance Statistics

# Initial Claims for Unemployment Insurance

## Initial UI Claims by Industry - Week 42 through Week 45

|                                  | 2012   | 2013  | Change | % Change |
|----------------------------------|--------|-------|--------|----------|
| AGRI FORESTRY FISH HUNT          | 598    | 416   | -182   | -30.4%   |
| MINING                           | 101    | 48    | -53    | -52.5%   |
| UTILITIES                        | 37     | 28    | -9     | -24.3%   |
| CONSTRUCTION                     | 7,464  | 4,639 | -2,825 | -37.8%   |
| MANUFACTURING                    | 12,075 | 7,041 | -5,034 | -41.7%   |
| WHOLESALE TRADE                  | 1,148  | 929   | -219   | -19.1%   |
| RETAIL TRADE                     | 3,096  | 2,087 | -1,009 | -32.6%   |
| TRANS AND WAREHOUSING            | 1,956  | 1,102 | -854   | -43.7%   |
| INFORMATION                      | 284    | 196   | -88    | -31.0%   |
| FINANCE AND INS                  | 534    | 406   | -128   | -24.0%   |
| REAL ESTATE AND RENTAL LEASING   | 382    | 223   | -159   | -41.6%   |
| PRO SCI AND TECH SERV            | 979    | 672   | -307   | -31.4%   |
| MGMT OF CO AND ENTERPRISES       | 141    | 150   | 9      | 6.4%     |
| ADMIN SUPP WASTE MGT REMED SERVS | 5,879  | 3,743 | -2,136 | -36.3%   |
| EDUCATIONAL SERVICES             | 596    | 258   | -338   | -56.7%   |
| HEALTH CARE AND SOCIAL ASST      | 2,725  | 1,888 | -837   | -30.7%   |
| ARTS ENT AND REC                 | 1,541  | 1,066 | -475   | -30.8%   |
| ACCOMMODATION AND FOOD SERV      | 3,468  | 2,328 | -1,140 | -32.9%   |
| OTHER SERV EXCEPT PUBLIC ADMIN   | 930    | 600   | -330   | -35.5%   |
| PUBLIC ADMIN                     | 937    | 664   | -273   | -29.1%   |
| INFO NOT AVAIL                   | 242    | 266   | 24     | 9.9%     |

Source: Department of Workforce Development, Unemployment Insurance Statistics

# Internal Job Postings

## Internal Job Postings by Industry: Week 42 through Week 45

|                                  | 2012   | 2013   | Change | % Change |
|----------------------------------|--------|--------|--------|----------|
| Total                            | 15,873 | 19,992 | 4,119  | 26%      |
| AGRI FORESTRY FISH HUNT          | 41     | 34     | -7     | -17%     |
| MINING                           | 10     | 3      | -7     | -70%     |
| UTILITIES                        | 86     | 89     | 3      | 3%       |
| CONSTRUCTION                     | 364    | 551    | 187    | 51%      |
| MANUFACTURING                    | 1,710  | 2,401  | 691    | 40%      |
| WHOLESALE TRADE                  | 399    | 634    | 235    | 59%      |
| RETAIL TRADE                     | 1,694  | 1,444  | -250   | -15%     |
| TRANS AND WAREHOUSING            | 630    | 799    | 169    | 27%      |
| INFORMATION                      | 182    | 295    | 113    | 62%      |
| FINANCE AND INS                  | 526    | 719    | 193    | 37%      |
| REAL ESTATE AND RENTAL LEASING   | 65     | 89     | 24     | 37%      |
| PRO SCI AND TECH SERV            | 708    | 1,318  | 610    | 86%      |
| MGMT OF CO AND ENTERPRISES       | 802    | 698    | -104   | -13%     |
| ADMIN SUPP WASTE MGT REMED SERVS | 4,031  | 5,175  | 1,144  | 28%      |
| EDUCATIONAL SERVICES             | 244    | 401    | 157    | 64%      |
| HEALTH CARE AND SOCIAL ASST      | 2,422  | 3,257  | 835    | 34%      |
| ARTS ENT AND REC                 | 188    | 215    | 27     | 14%      |
| ACCOMMODATION AND FOOD SERV      | 751    | 843    | 92     | 12%      |
| OTHER SERV EXCEPT PUBLIC ADMIN   | 419    | 487    | 68     | 16%      |
| PUBLIC ADMIN                     | 426    | 450    | 24     | 6%       |

Source: Department of Workforce Development, Internal Job Postings

# Initial UI Claims and Internal Job Postings

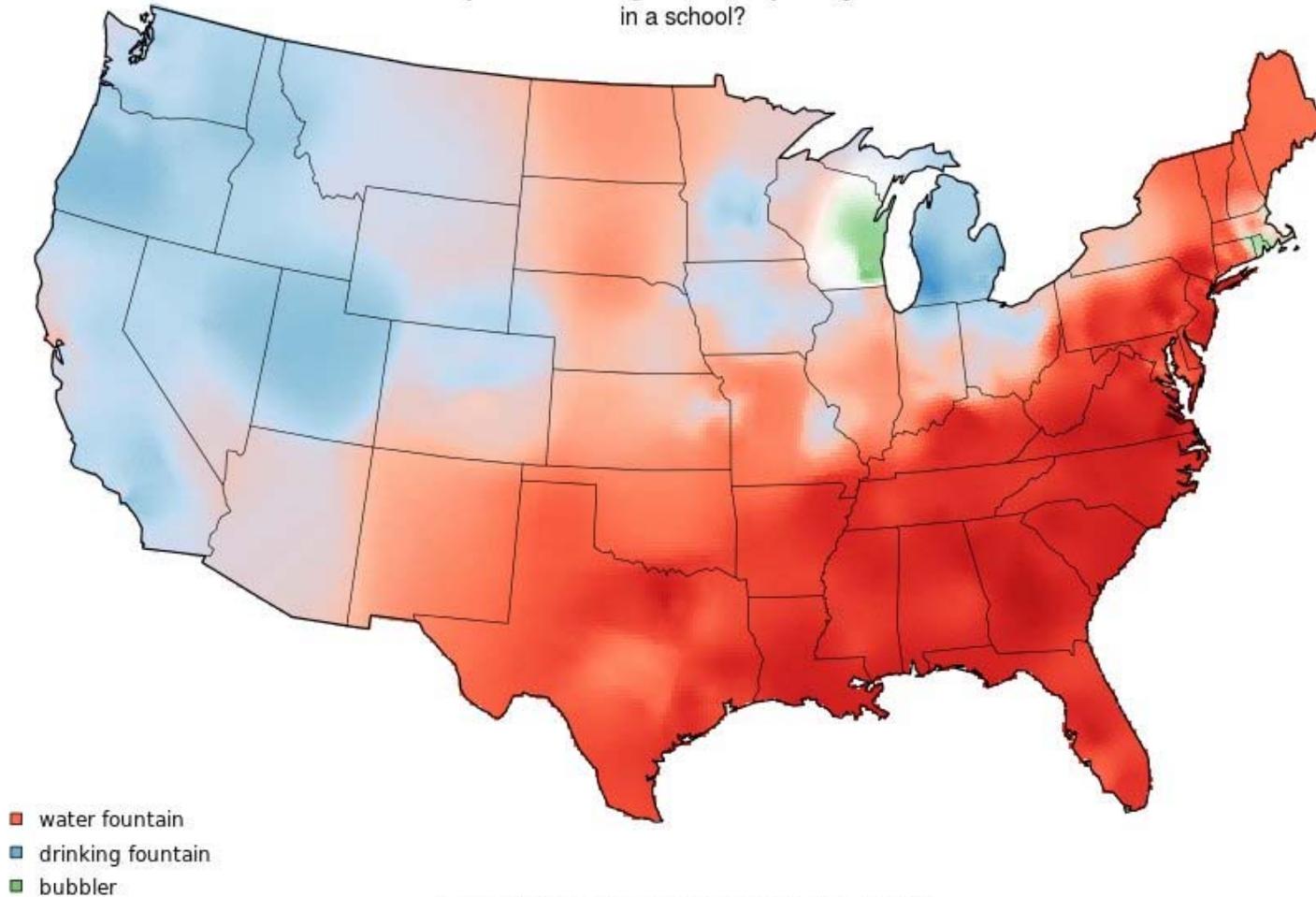
| INDUSTRY                         | INITIAL CLAIMS | JOB POSTINGS |
|----------------------------------|----------------|--------------|
| TOTAL                            | ↓              | ↑            |
| AGRI FORESTRY FISH HUNT          | -              | -            |
| MINING                           | -              | -            |
| UTILITIES                        | -              | -            |
| CONSTRUCTION                     | ↓              | ↑            |
| MANUFACTURING                    | ↓              | ↑            |
| WHOLESALE TRADE                  | ↔              | ↑            |
| RETAIL TRADE                     | ↓              | ↓            |
| TRANS AND WAREHOUSING            | ↓              | ↑            |
| INFORMATION                      | ↓              | ↑            |
| FINANCE AND INS                  | ↔              | ↑            |
| REAL ESTATE AND RENTAL LEASING   | ↓              | ↑            |
| PRO SCI AND TECH SERV            | ↓              | ↑            |
| MGMT OF CO AND ENTERPRISES       | ↑              | ↓            |
| ADMIN SUPP WASTE MGT REMED SERVS | ↓              | ↑            |
| EDUCATIONAL SERVICES             | ↓              | ↑            |
| HEALTH CARE AND SOCIAL ASST      | ↓              | ↑            |
| ARTS ENT AND REC                 | ↓              | ↑            |
| ACCOMMODATION AND FOOD SERV      | ↓              | ↑            |
| OTHER SERV EXCEPT PUBLIC ADMIN   | ↓              | ↑            |
| PUBLIC ADMIN                     | ↓              | ↑            |

# Summary

- Steady/slow employment growth
- Similar trajectory
- Initial UI claims declining
- Job Postings increasing

# Examining Regional Economies

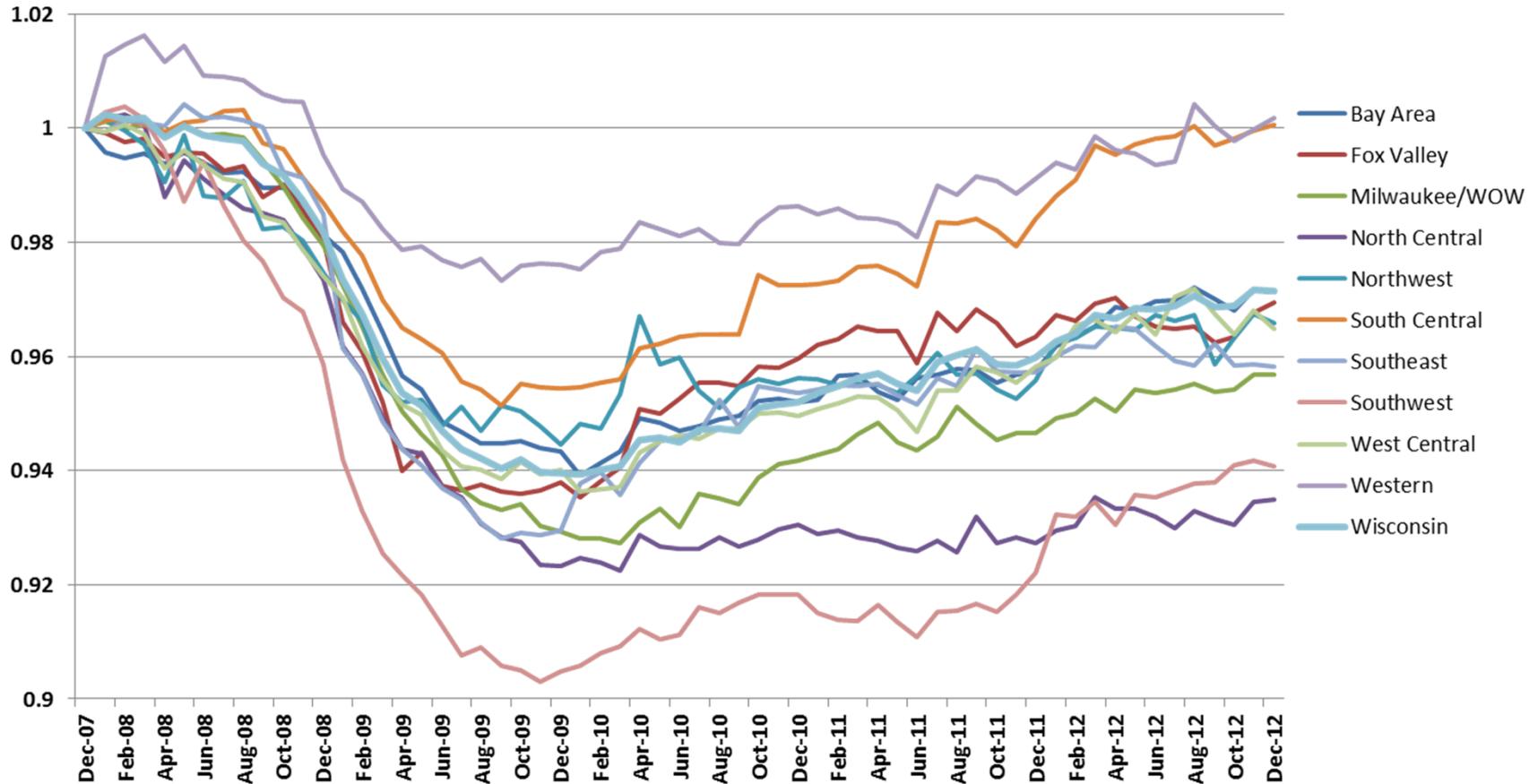
What do you call the thing from which you might drink water in a school?



Joshua Katz, Department of Statistics, NC State University

# Regional Employment Change

Indexed Employment by WDA (12/2007 = 1)



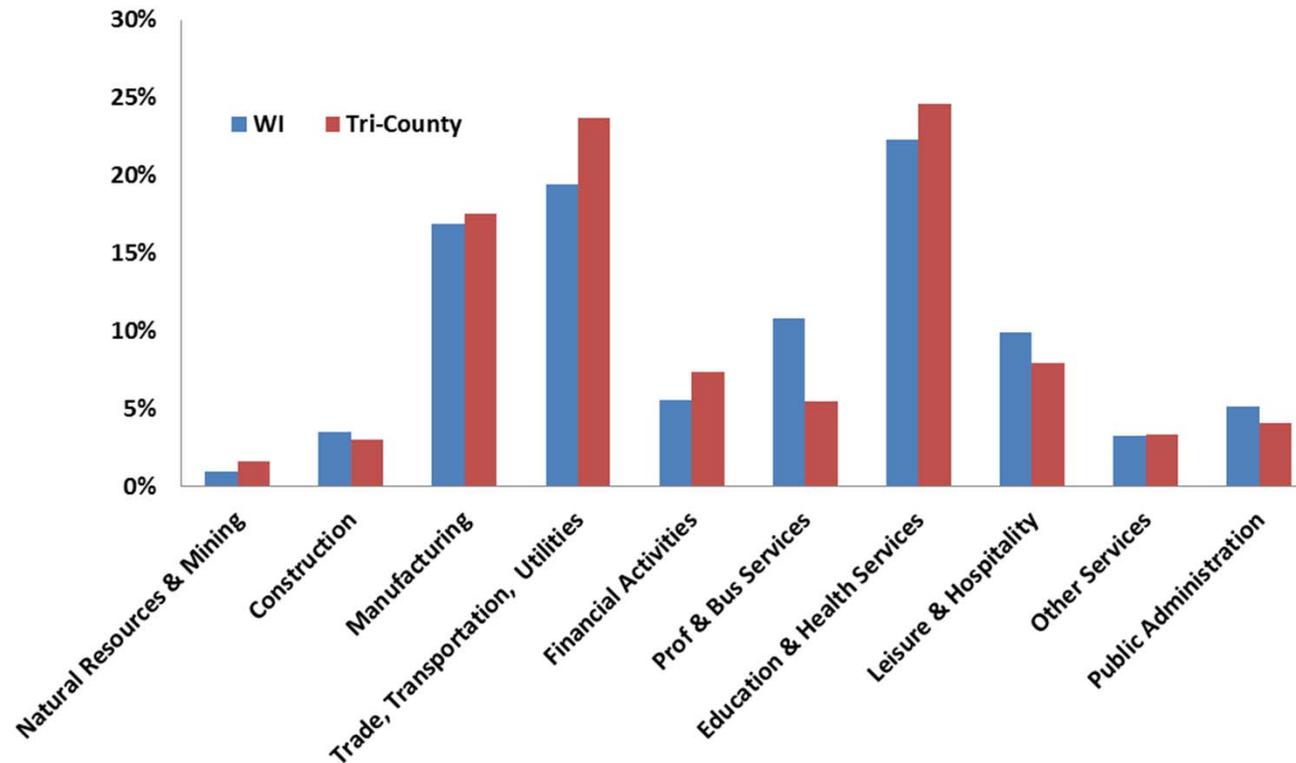
Source: U.S. Census Bureau X-12-ARIMA Seasonal Adjustment Program, U.S. BLS QCEW

# Regional Indicators

- Demographics
- Industry Composition
- Industry Subsector Change
- Employment Statistics
- UI Claims

# Industry Composition

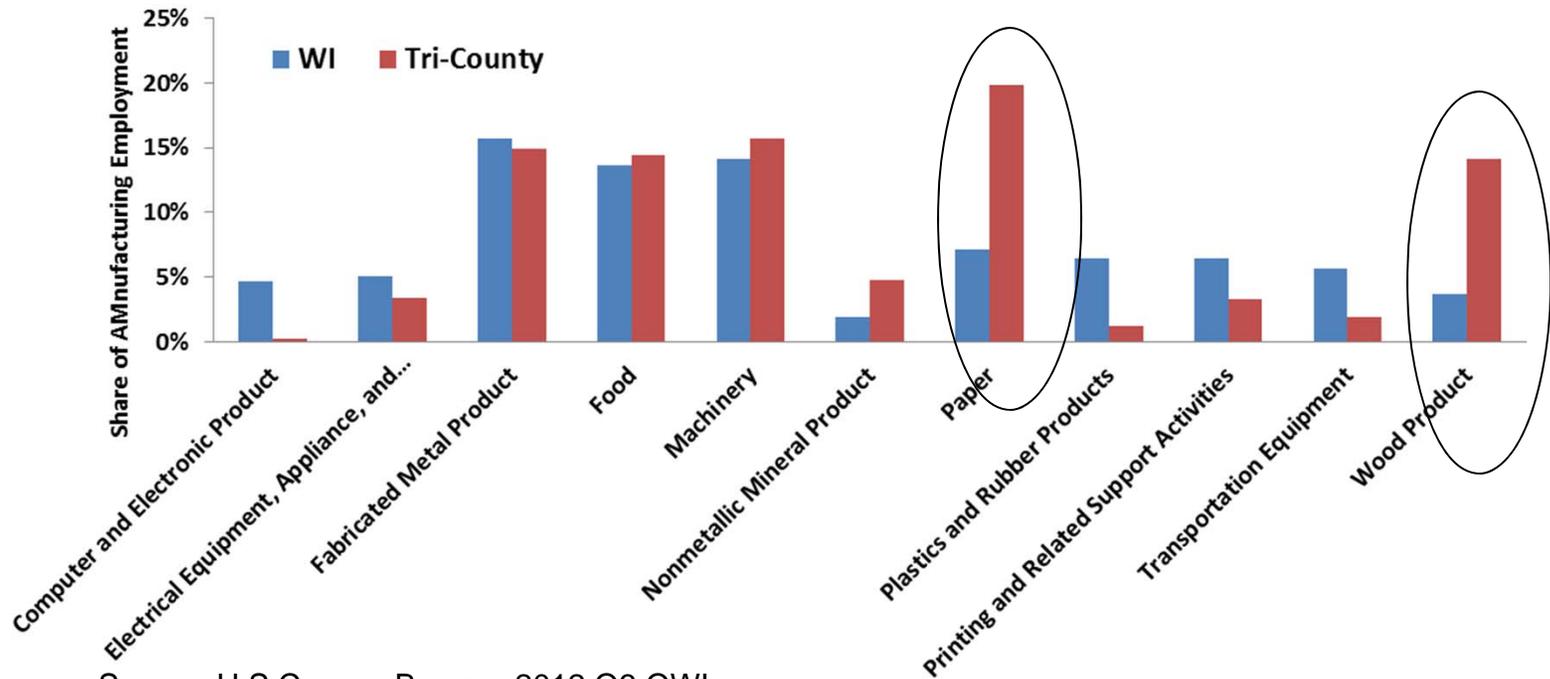
## Share of Total Covered Employment



Source: WI WORKnet, QCEW

# Industry Composition

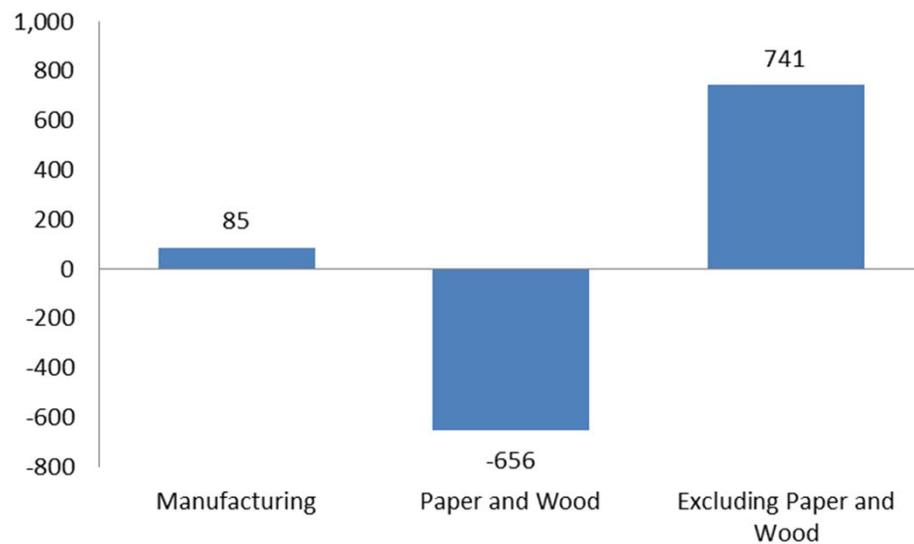
## Manufacturing Sector Industry Employment Mix



Source: U.S Census Bureau, 2012 Q3 QWI

# Industry Composition

## 2011-2012 Employment Change: Tri-County



Source: U.S. BLS, QCEW

# Employment Statistics

| Labor Force Statistics        |                 |                 |        |             |                 |                 |        |            |                 |                 |        |              |                 |                 |         |
|-------------------------------|-----------------|-----------------|--------|-------------|-----------------|-----------------|--------|------------|-----------------|-----------------|--------|--------------|-----------------|-----------------|---------|
| Source: WI DWD, WORKnet, LAUS |                 |                 |        |             |                 |                 |        |            |                 |                 |        |              |                 |                 |         |
| Unemployment Rate             |                 |                 |        | Labor Force |                 |                 |        | Employment |                 |                 |        | Unemployment |                 |                 |         |
|                               | Aug-13          | Aug-12          | Change |             | Aug-13          | Aug-12          | Change |            | Aug-13          | Aug-12          | Change |              | Aug-13          | Aug-12          | Change  |
| Adams                         | 8.2%            | 8.9%            | -0.8%  | Adams       | 9,929           | 9,892           | 37     | Adams      | 9,119           | 9,010           | 109    | Adams        | 810             | 882             | -72     |
| Portage                       | 6.0%            | 6.6%            | -0.6%  | Portage     | 40,729          | 40,379          | 350    | Portage    | 38,265          | 37,713          | 552    | Portage      | 2,464           | 2,666           | -202    |
| Wood                          | 6.8%            | 7.0%            | -0.2%  | Wood        | 40,610          | 40,244          | 366    | Wood       | 37,865          | 37,439          | 426    | Wood         | 2,745           | 2,805           | -60     |
| Wisconsin                     | 6.2%            | 6.8%            | -0.6%  | Wisconsin   | 3,087,867       | 3,062,584       | 25,283 | Wisconsin  | 2,897,349       | 2,854,299       | 43,050 | Wisconsin    | 190,518         | 208,285         | -17,767 |
| Region                        | 6.6%            | 7.0%            | -0.4%  | Region      | 91,268          | 90,515          | 753    | Region     | 85,249          | 84,162          | 1,087  | Region       | 6,019           | 6,353           | -334    |
| Unemployment Rate             |                 |                 |        | Labor Force |                 |                 |        | Employment |                 |                 |        | Unemployment |                 |                 |         |
|                               | Jul-13          | Jul-12          | Change |             | Jul-13          | Jul-12          | Change |            | Jul-13          | Jul-12          | Change |              | Jul-13          | Jul-12          | Change  |
| Adams                         | 8.7%            | 9.4%            | -0.7%  | Adams       | 10,114          | 10,072          | 42     | Adams      | 9,235           | 9,124           | 111    | Adams        | 879             | 948             | -69     |
| Portage                       | 6.5%            | 7.3%            | -0.8%  | Portage     | 41,211          | 41,008          | 203    | Portage    | 38,524          | 38,001          | 523    | Portage      | 2,687           | 3,007           | -320    |
| Wood                          | 6.9%            | 7.9%            | -1.0%  | Wood        | 40,872          | 40,844          | 28     | Wood       | 38,039          | 37,616          | 423    | Wood         | 2,833           | 3,228           | -395    |
| Wisconsin                     | 6.8%            | 7.2%            | -0.4%  | Wisconsin   | 3,125,205       | 3,092,377       | 32,828 | Wisconsin  | 2,913,898       | 2,870,665       | 43,233 | Wisconsin    | 211,307         | 221,712         | -10,405 |
| Region                        | 6.9%            | 7.8%            | -0.9%  | Region      | 92,197          | 91,924          | 273    | Region     | 85,798          | 84,741          | 1,057  | Region       | 6,399           | 7,183           | -784    |
| Unemployment Rate             |                 |                 |        | Labor Force |                 |                 |        | Employment |                 |                 |        | Unemployment |                 |                 |         |
|                               | Jun-13          | Jun-12          | Change |             | Jun-13          | Jun-12          | Change |            | Jun-13          | Jun-12          | Change |              | Jun-13          | Jun-12          | Change  |
| Adams                         | 9.3%            | 9.6%            | -0.3%  | Adams       | 10,330          | 10,396          | -66    | Adams      | 9,373           | 9,403           | -30    | Adams        | 957             | 993             | -36     |
| Portage                       | 6.8%            | 7.4%            | -0.6%  | Portage     | 41,385          | 40,574          | 811    | Portage    | 38,568          | 37,562          | 1,006  | Portage      | 2,817           | 3,012           | -195    |
| Wood                          | 7.2%            | 7.8%            | -0.6%  | Wood        | 41,145          | 41,255          | -110   | Wood       | 38,188          | 38,054          | 134    | Wood         | 2,957           | 3,201           | -244    |
| Wisconsin                     | 7.0%            | 7.4%            | -0.4%  | Wisconsin   | 3,128,010       | 3,106,699       | 21,311 | Wisconsin  | 2,907,966       | 2,876,403       | 31,563 | Wisconsin    | 220,044         | 230,296         | -10,252 |
| Region                        | 7.2%            | 7.8%            | -0.6%  | Region      | 92,860          | 92,225          | 635    | Region     | 86,129          | 85,019          | 1,110  | Region       | 6,731           | 7,206           | -475    |
| Unemployment Rate             |                 |                 |        | Labor Force |                 |                 |        | Employment |                 |                 |        | Unemployment |                 |                 |         |
|                               | 3-Month Average | 3-Month Average | Change |             | 3-Month Average | 3-Month Average | Change |            | 3-Month Average | 3-Month Average | Change |              | 3-Month Average | 3-Month Average | Change  |
| Adams                         | 8.7%            | 9.3%            | -0.6%  | Adams       | 10,124          | 10,120          | 4      | Adams      | 9,242           | 9,179           | 63     | Adams        | 882             | 941             | -59     |
| Portage                       | 6.5%            | 7.1%            | -0.7%  | Portage     | 41,108          | 40,654          | 455    | Portage    | 38,452          | 37,759          | 694    | Portage      | 2,656           | 2,895           | -239    |
| Wood                          | 7.0%            | 7.5%            | -0.6%  | Wood        | 40,876          | 40,781          | 95     | Wood       | 38,031          | 37,703          | 328    | Wood         | 2,845           | 3,078           | -233    |

# Helpful Resources

- [OEA County Profiles](#)
- [OEA WDA Data Briefs](#)
- [DWD UI Stats](#)
- [American Factfinder](#)
- [On the Map](#)

# Projections and Outlook



# 2010-2020 Projections

Projected Number of Jobs by Industry Sector, Wisconsin, 2010 to 2020

|  | <u>2010</u>      | <u>2020</u>      | <u>Change</u>  | <u>% Change</u> |
|--|------------------|------------------|----------------|-----------------|
| <b>Total, all nonfarm industries</b>   | <b>2,923,230</b> | <b>3,269,910</b> | <b>346,680</b> | <b>11.9%</b>    |
| Health care and social assistance, including state and local government in hospitals | 366,890          | 439,880          | 72,990         | 19.9%           |
| Accommodation and food services  | 215,840          | 263,750          | 47,910         | 22.2%           |
| Administrative and support and waste management and remediation services             | 129,030          | 162,730          | 33,700         | 26.1%           |
| Construction   | 94,370           | 120,510          | 26,140         | 27.7%           |
| Professional, scientific, and technical services                                     | 93,070           | 116,750          | 23,680         | 25.4%           |
| Finance and insurance  | 132,180          | 152,460          | 20,280         | 15.3%           |
| Manufacturing  | 429,140          | 448,080          | 18,940         | 4.4%            |
| Retail trade   | 292,450          | 310,060          | 17,610         | 6.0%            |
| Transportation and warehousing   | 87,890           | 104,710          | 16,820         | 19.1%           |
| Other services (except government)   | 147,770          | 164,230          | 16,460         | 11.1%           |
| Educational services, including state and local government                           | 264,860          | 280,910          | 16,050         | 6.1%            |
| Wholesale trade  | 112,450          | 124,160          | 11,710         | 10.4%           |
| Self-employed and unpaid family workers, all jobs                                    | 195,880          | 205,560          | 9,680          | 4.9%            |
| Management of companies and enterprises  | 46,990           | 53,180           | 6,190          | 13.2%           |
| Information  | 46,560           | 50,660           | 4,100          | 8.8%            |
| Arts, entertainment, and recreation  | 34,450           | 38,340           | 3,890          | 11.3%           |
| Real estate and rental and leasing   | 24,750           | 28,020           | 3,270          | 13.2%           |
| Utilities  | 10,980           | 10,580           | - 400          | - 3.6%          |
| Government   | 194,760          | 192,440          | - 2,320        | - 1.2%          |
| Natural resources and mining   | Suppressed       | Suppressed       | Suppressed     | Suppressed      |

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, August 2012



# 2010-2020 Projections

## Projected Job Growth Rate by Broad Occupational Group, Wisconsin, 2010-2020

| <u>Group</u>                                   | <u>Numeric Change</u> | <u>Percentage Change</u> |
|--|-----------------------|--------------------------|
| Computer and mathematical                      | 13,100                | 20.9%                    |
| Healthcare support                             | 19,190                | 20.8%                    |
| Food preparation and serving related           | 44,750                | 19.0%                    |
| Healthcare practitioners and technical         | 31,480                | 18.9%                    |
| Construction and extraction                    | 18,820                | 17.5%                    |
| Personal care and service                      | 20,350                | 16.0%                    |
| Business and financial operations              | 22,020                | 15.9%                    |
| Life, physical, and social science             | 2,890                 | 12.8%                    |
| Transportation and material moving             | 25,670                | 12.4%                    |
| Building and grounds cleaning and maintenance  | 13,020                | 12.3%                    |
| <b>Total, all occupations</b>                  | <b>346,680</b>        | <b>11.9%</b>             |
| Installation, maintenance, and repair          | 12,060                | 11.4%                    |
| Community and social services                  | 4,060                 | 11.2%                    |
| Arts, design, entertainment, sports, and media | 5,570                 | 10.5%                    |
| Architecture and engineering                   | 4,170                 | 9.3%                     |
| Office and administrative support              | 36,890                | 8.5%                     |
| Legal  | 1,340                 | 8.5%                     |
| Sales and related                              | 23,500                | 8.2%                     |
| Management                                     | 10,550                | 7.5%                     |
| Production                                     | 21,490                | 7.3%                     |
| Protective service                             | 3,660                 | 6.5%                     |
| Education, training, and library               | 11,950                | 6.4%                     |
| Farming, fishing, and forestry                 | 150                   | 3.5%                     |

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2012



# 2010-2020 Projections

| <b>Occupation</b>  | <b>Base Employment</b> | <b>Projection Employment</b> | <b>Numeric Change</b> | <b>Percent Change</b> | <b>Growth Openings</b> |
|--|------------------------|------------------------------|-----------------------|-----------------------|------------------------|
| Secondary School Teachers, except special and vocational education | 20,410                 | 20,270                       | -140                  | -0.7                  | 0                      |

Source: WI OEA, Long-term Employment Projections 2010-2020

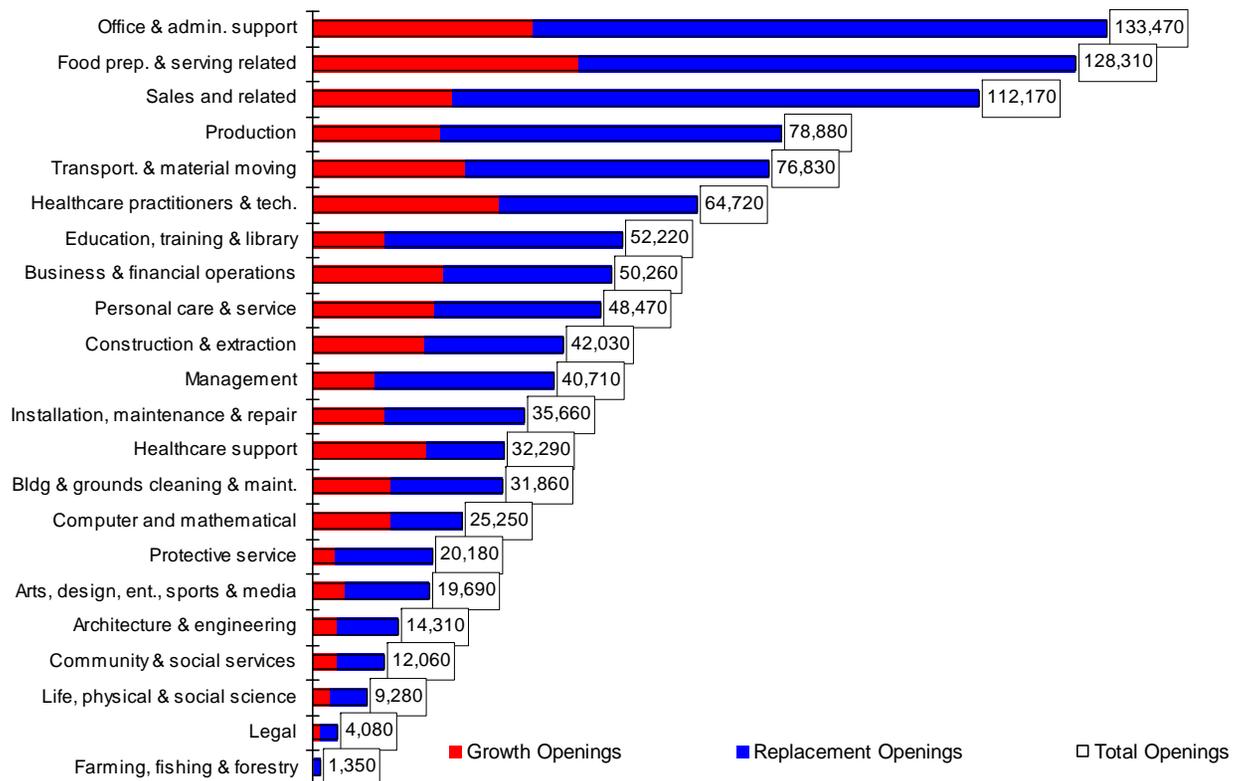
# 2010-2020 Projections

| Occupation   | Base Employment | Projection Employment | Numeric Change | Percent Change | Growth Openings | Replacement Openings |
|--|-----------------|-----------------------|----------------|----------------|-----------------|----------------------|
| Secondary School Teachers, except special and vocational education | 20,410          | 20,270                | -140           | -0.7           | 0               | 5,580                |

Source: WI OEA, Long-term Employment Projections 2010-2020

# 2010-2020 Projections

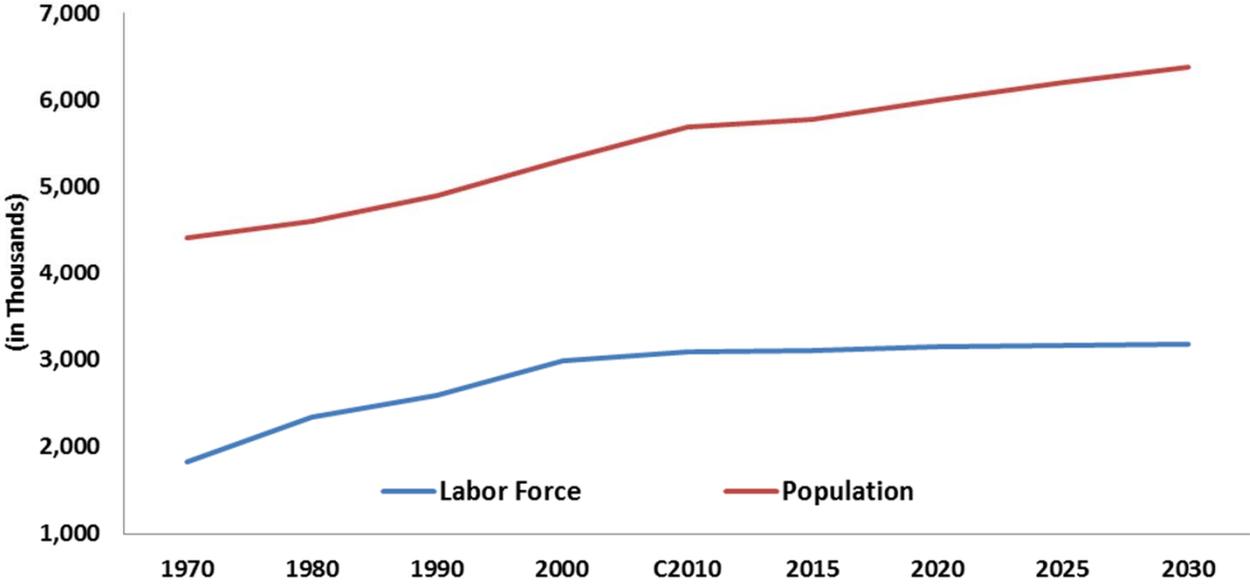
## Growth Openings & Replacement Openings by Occupation Group



# Outlook



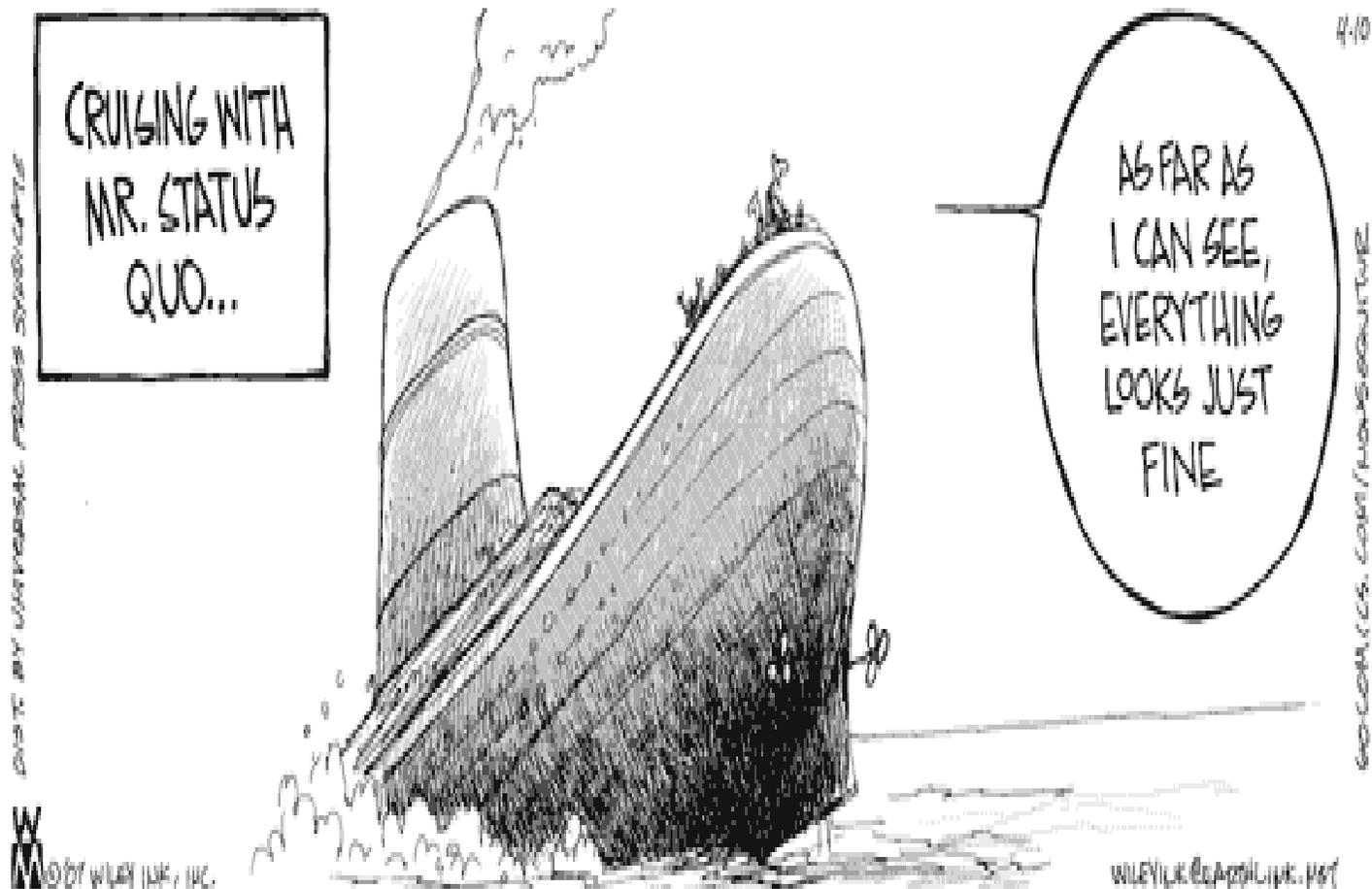
# Wisconsin Population and Labor Force



Source: U.S Census Bureau, DWD LAUS, WI OEA



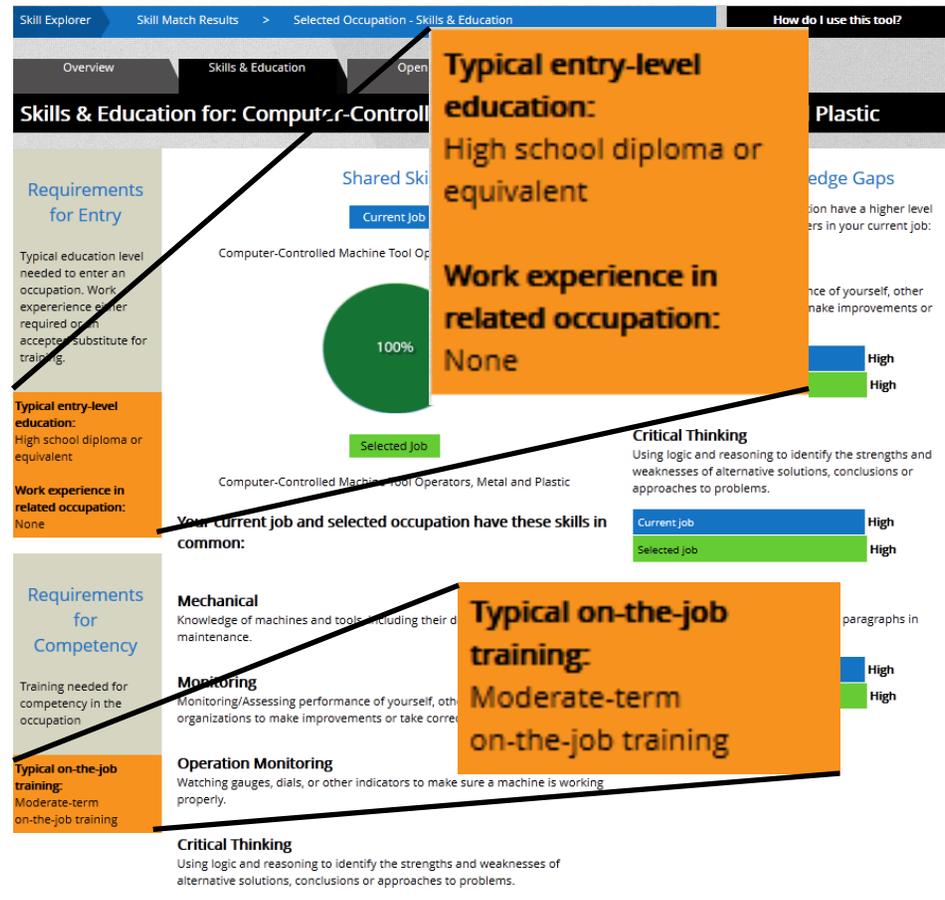
# Outlook



# Outlook



# Outlook



# Skill Explorer



[skillexplorer.wisconsin.gov/](http://skillexplorer.wisconsin.gov/)

# Contact Information

The Wisconsin Department of Workforce Development's Office of Economic Advisors (OEA) is charged with assisting all interested parties in better understanding their local economies. OEA has labor economists positioned throughout Wisconsin to help those involved in economic and workforce Development.

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