Wisconsin by the Numbers

Small Community Forum
Pardeeville, WI

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Community Development Specialist

Center for Community and Economic Development
University of Wisconsin-Madison, Division of Extension
Population Change 1970 to 2017
Percent Change in Population Since 1970

- United States
- Wisconsin
- Columbia County
- Dane County
- Dodge County
- Sauk County

Data Source: Bureau of Economic Analysis
Population Change 1970 to 2017
Percent Change in Population Since 1970

- United States
- Wisconsin
- Adams County
- Green Lake County
- Marquette County

Data Source: Bureau of Economic Analysis
Population Change from Natural Increase:
2000 to 2010 and 2010 to 2018

Data Source: Wisconsin Department of Administration Demographic Services Center
Population Change from Net Migration:
2000 to 2010 and 2010 to 2018

<table>
<thead>
<tr>
<th>County</th>
<th>Net Migration - 2000 to 2010</th>
<th>Net Migration - 2010 to 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adams County</td>
<td>4.2%</td>
<td>8.0%</td>
</tr>
<tr>
<td>Sauk County</td>
<td>-0.6%</td>
<td>8.0%</td>
</tr>
<tr>
<td>Dane County</td>
<td>4.0%</td>
<td>6.8%</td>
</tr>
<tr>
<td>Marquette County</td>
<td>1.6%</td>
<td>6.4%</td>
</tr>
<tr>
<td>Columbia County</td>
<td>-0.4%</td>
<td>5.5%</td>
</tr>
<tr>
<td>Dodge County</td>
<td>2.3%</td>
<td>2.0%</td>
</tr>
<tr>
<td>State of Wisconsin</td>
<td>1.5%</td>
<td>0.0%</td>
</tr>
<tr>
<td>Green Lake County</td>
<td>0.3%</td>
<td>1.7%</td>
</tr>
</tbody>
</table>

Data Source: Wisconsin Department of Administration Demographic Services Center
<table>
<thead>
<tr>
<th>Region</th>
<th>Under Age 16</th>
<th>Age 16 to 19</th>
<th>Age 20 to 24</th>
<th>Age 25 to 54</th>
<th>Age 55 to 64</th>
<th>Age 65 and Over</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adams</td>
<td>12.5%</td>
<td>3.5%</td>
<td>4.0%</td>
<td>31.6%</td>
<td>19.3%</td>
<td>29.1%</td>
</tr>
<tr>
<td>Columbia</td>
<td>18.6%</td>
<td>4.8%</td>
<td>5.3%</td>
<td>38.2%</td>
<td>15.3%</td>
<td>17.9%</td>
</tr>
<tr>
<td>Dane</td>
<td>18.2%</td>
<td>5.4%</td>
<td>10.3%</td>
<td>40.8%</td>
<td>11.7%</td>
<td>13.7%</td>
</tr>
<tr>
<td>Dodge</td>
<td>17.3%</td>
<td>4.7%</td>
<td>5.7%</td>
<td>39.3%</td>
<td>15.4%</td>
<td>17.6%</td>
</tr>
<tr>
<td>Green Lake</td>
<td>19.6%</td>
<td>5.0%</td>
<td>5.0%</td>
<td>32.0%</td>
<td>16.2%</td>
<td>22.2%</td>
</tr>
<tr>
<td>Marquette</td>
<td>17.0%</td>
<td>3.9%</td>
<td>4.1%</td>
<td>31.8%</td>
<td>18.5%</td>
<td>24.5%</td>
</tr>
<tr>
<td>Sauk</td>
<td>20.1%</td>
<td>4.7%</td>
<td>5.5%</td>
<td>36.8%</td>
<td>14.4%</td>
<td>18.5%</td>
</tr>
<tr>
<td>United States</td>
<td>19.9%</td>
<td>5.2%</td>
<td>6.7%</td>
<td>39.3%</td>
<td>12.9%</td>
<td>16.0%</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>19.4%</td>
<td>5.2%</td>
<td>6.8%</td>
<td>37.5%</td>
<td>14.1%</td>
<td>17.0%</td>
</tr>
</tbody>
</table>

Data Source: U.S Census Bureau 2018 Population Estimates
Share of Population Age 65 and Over
2010 Census versus 2020 and 2030 Projections

Data Source: Wisconsin Department of Administration and Author's Calculations
Total Population Age 65 and Over 2010 to 2040

Data Source: Wisconsin Department of Administration and Author’s Calculations
Per Capita Personal Income (PCPI) 1970 to 2017

Local PCPI as a Percent of the National PCPI

Data Source: Bureau of Economic Analysis
Per Capita Personal Income (PCPI) 1970 to 2017
Local PCPI as a Percent of the National PCPI

Data Source: Bureau of Economic Analysis
Columbia County Income Distribution
1990 and 2018 (Constant $2009)

Adjusted to 2009 dollars.
Sources of Personal Income - 2017

Adams County: 49.9% Earnings, 17.5% Dividends, Interest and Rent, 32.6% Personal Current Transfer Receipts

Columbia County: 65.4% Earnings, 17.9% Dividends, Interest and Rent, 16.7% Personal Current Transfer Receipts

Dane County: 67.7% Earnings, 21.3% Dividends, Interest and Rent, 10.9% Personal Current Transfer Receipts

Dodge County: 65.1% Earnings, 16.5% Dividends, Interest and Rent, 18.4% Personal Current Transfer Receipts

Green Lake County: 51.2% Earnings, 26.7% Dividends, Interest and Rent, 22.1% Personal Current Transfer Receipts

Marquette County: 55.5% Earnings, 17.7% Dividends, Interest and Rent, 26.8% Personal Current Transfer Receipts

Sauk County: 64.8% Earnings, 17.4% Dividends, Interest and Rent, 17.8% Personal Current Transfer Receipts

Data Source: Bureau of Economic Analysis
Social Security and Medicare as a Share of Total Personal Income

Data Source: Bureau of Economic Analysis
Social Security and Medicare as a Share of Total Personal Income

United States

Wisconsin

Adams, WI

Green Lake, WI

Marquette, WI

Data Source: Bureau of Economic Analysis
Convergence of the Population Age 18 & Age 65

*Columbia County - 2010 to 2040*

Year

<table>
<thead>
<tr>
<th>Year</th>
<th>Age 18</th>
<th>Age 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td></td>
<td>500</td>
</tr>
<tr>
<td>2015</td>
<td>700</td>
<td></td>
</tr>
<tr>
<td>2020</td>
<td>800</td>
<td>800</td>
</tr>
<tr>
<td>2025</td>
<td>900</td>
<td>900</td>
</tr>
<tr>
<td>2030</td>
<td>1,000</td>
<td>1,000</td>
</tr>
<tr>
<td>2035</td>
<td>1,000</td>
<td>1,000</td>
</tr>
<tr>
<td>2040</td>
<td>1,000</td>
<td>1,000</td>
</tr>
</tbody>
</table>

Data Source: Wisconsin Department of Administration Demographic Services Center
Data Source: Wisconsin Department of Administration and Author’s Calculations
Data Source: Wisconsin Department of Administration and Author’s Calculations
Columbia County Employees Age 55 and Over by Industry Sector

Share of Total Employment - Q2 2018

- Transportation and Warehousing: 42.6%
- Real Estate and Rental and Leasing: 39.4%
- Utilities: 33.6%
- Educational Services: 31.0%
- Finance and Insurance: 30.5%
- Retail Trade: 30.1%
- Public Administration: 29.9%
- Professional, Scientific, and Technical Services: 29.8%
- Wholesale Trade: 28.6%
- Agriculture, Forestry, Fishing and Hunting: 28.1%
- Manufacturing: 28.0%
- Information: 27.0%
- All NAICS Sectors: 26.8%
- Other Services (except Public Administration): 26.6%
- Administrative and Support and Waste...: 24.6%
- Arts, Entertainment, and Recreation: 24.4%
- Health Care and Social Assistance: 21.5%
- Management of Companies and Enterprises: 20.8%
- Construction: 20.3%
- Accommodation and Food Services: 16.3%

Data Source: U.S. Census Bureau LEHD
<table>
<thead>
<tr>
<th>Industry Sector</th>
<th>Number of Employees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturing</td>
<td>1,503</td>
</tr>
<tr>
<td>Retail Trade</td>
<td>737</td>
</tr>
<tr>
<td>Health Care and Social Assistance</td>
<td>682</td>
</tr>
<tr>
<td>Educational Services</td>
<td>611</td>
</tr>
<tr>
<td>Public Administration</td>
<td>514</td>
</tr>
<tr>
<td>Accommodation and Food Services</td>
<td>260</td>
</tr>
<tr>
<td>Transportation and Warehousing</td>
<td>248</td>
</tr>
<tr>
<td>Construction</td>
<td>191</td>
</tr>
<tr>
<td>Wholesale Trade</td>
<td>187</td>
</tr>
<tr>
<td>Professional, Scientific, and Technical Services</td>
<td>133</td>
</tr>
<tr>
<td>Other Services (except Public Administration)</td>
<td>131</td>
</tr>
<tr>
<td>Administrative and Support and Waste Management</td>
<td>126</td>
</tr>
<tr>
<td>Finance and Insurance</td>
<td>113</td>
</tr>
<tr>
<td>Utilities</td>
<td>78</td>
</tr>
<tr>
<td>Arts, Entertainment, and Recreation</td>
<td>77</td>
</tr>
<tr>
<td>Agriculture, Forestry, Fishing and Hunting</td>
<td>62</td>
</tr>
</tbody>
</table>

Data Source: U.S. Census Bureau LEHD
Examples of WD Organizations & Stakeholders

- Community Colleges and Technical Schools
- K-12 System
- Universities
- Local, State and Federal Government
- Community & Faith-Based Organizations
- Social Service Agencies
- Economic Development & Workforce Development Organizations
- Employers
- Labor Organizations

Examples of Strategies:

- Talent attraction and retention;
- Assisting in the development of career pathways;
- Identifying opportunities for individuals with particular needs (childcare, dislocated workers, veterans, etc.);
- Developing non-traditional schedules (flexible, seasonal, job sharing, etc.);
- Capital improvement funds;
- Automation/Computerization;
- Placemaking;
- Telecommuting;
- Phased retirement programs;
- Knowledge transfer and reverse mentoring.
Understanding Employment Conditions – *Unemployment and Labor Participation*

- **Labor Participation Rate** – Percent of the civilian population that is either employed or unemployed *and* actively seeking a job.

- **Unemployment Rate** – Percent of the civilian labor force that is without a job and actively seeking one.

*Unemployment rates and participation rates do not include people who are not in the labor force.* Individuals not in the labor force can include:

- Discouraged workers (those not actively seeking employment);
- Students;
- Retirees;
- Seasonal workers surveyed in the off-season;
- Institutionalized individuals;
- People doing incidental unpaid family work;
Annual Average Unemployment Rate (U3)
State of Wisconsin 1990 to 2018

United States
Wisconsin

Data Source: Bureau of Labor Statistics LAUS
Labor Participation Rates for Males and Females Ages 20 to 64 – 2013 to 2017 5-Year Estimates

Males Ages 20 to 64

- Sauk County: 87.4%
- Dane County: 87.2%
- Wisconsin: 84.4%
- Columbia County: 83.8%
- Green Lake County: 83.7%
- United States: 82.1%
- Marquette County: 78.6%
- Dodge County: 77.7%
- Adams County: 59.7%

Females Ages 20 to 64

- Dane County: 82.4%
- Sauk County: 81.1%
- Columbia County: 80.9%
- Wisconsin: 78.6%
- Dodge County: 78.4%
- Green Lake County: 77.0%
- Marquette County: 76.4%
- United States: 72.3%
- Adams County: 67.6%

Data Source: U.S. Census Bureau 2013-2017 American Community Survey 5-Year Estimates
Labor Participation Rates for the Population Ages 25 to 54

Total Individuals in the Labor Force Ages 25 to 54
State of Wisconsin 2000 to 2018

Based on Actual Participation Rate
Based on Year 2000 Participation Rate

Child Care as a Workforce Development Strategy

**Correlation Female Labor Force Participation Rate and Children Per Prime Age Female**
*Wisconsin Counties, 2016*

**Correlation Male Labor Force Participation Rate and Children Per Prime Age Male**
*Wisconsin Counties, 2016*
Child Care as a Workforce Development Strategy

Figure 4 - Number of Children Under Age 5 per Childcare Establishment

Figure 5 - Wisconsin Household Survival Budget
Monthly Child Care for Households with 2 Adults, 1 Infant and 1 Preschooler

Number of Children Under Age 5 per Childcare Establishment (by Quintile)
- 12.2 to 20.4 (1st Quintile)
- 20.5 to 24.8 (2nd Quintile)
- 24.9 to 30.8 (3rd Quintile)
- 30.9 to 43.0 (4th Quintile)
- Data Suppressed

Monthly Child Care for Households with 2 Adults, 1 Infant and 1 Preschooler
- $975 to $1,093 (1st Quintile)
- $1,094 to $1,133 (2nd Quintile)
- $1,134 to $1,218 (3rd Quintile)
- $1,219 to $1,342 (4th Quintile)
- $1,343 to $1,895 (5th Quintile)
- No Data

Sources: U.S. Census Bureau, 2016 County Business Patterns and 2016 Nonemployer Statistics

Data Source: United Way ALICE https://www.unitedwayalice.org/wisconsin
### Employee Flow for Columbia County (Q2 2015)

#### Employees Working in Columbia County

<table>
<thead>
<tr>
<th>County of Residence</th>
<th>Count</th>
<th>Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Columbia County, WI</td>
<td>9,276</td>
<td>44.9%</td>
</tr>
<tr>
<td>Dane County, WI</td>
<td>2,329</td>
<td>11.3%</td>
</tr>
<tr>
<td>Dodge County, WI</td>
<td>1,599</td>
<td>7.7%</td>
</tr>
<tr>
<td>Sauk County, WI</td>
<td>1,419</td>
<td>6.9%</td>
</tr>
<tr>
<td>Marquette County, WI</td>
<td>1,077</td>
<td>5.2%</td>
</tr>
<tr>
<td>Adams County, WI</td>
<td>474</td>
<td>2.3%</td>
</tr>
<tr>
<td>Fond du Lac County, WI</td>
<td>286</td>
<td>1.4%</td>
</tr>
<tr>
<td>Green Lake County, WI</td>
<td>282</td>
<td>1.4%</td>
</tr>
<tr>
<td>Milwaukee County, WI</td>
<td>272</td>
<td>1.3%</td>
</tr>
<tr>
<td>Juneau County, WI</td>
<td>251</td>
<td>1.2%</td>
</tr>
<tr>
<td>All Other Locations</td>
<td>3,396</td>
<td>16.4%</td>
</tr>
</tbody>
</table>

#### Employees Residing in Columbia County

<table>
<thead>
<tr>
<th>County of Employment</th>
<th>Count</th>
<th>Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dane County, WI</td>
<td>10,984</td>
<td>36.0%</td>
</tr>
<tr>
<td>Columbia County, WI</td>
<td>9,276</td>
<td>30.4%</td>
</tr>
<tr>
<td>Sauk County, WI</td>
<td>2,264</td>
<td>7.4%</td>
</tr>
<tr>
<td>Dodge County, WI</td>
<td>1,327</td>
<td>4.3%</td>
</tr>
<tr>
<td>Milwaukee County, WI</td>
<td>953</td>
<td>3.1%</td>
</tr>
<tr>
<td>Waukesha County, WI</td>
<td>847</td>
<td>2.8%</td>
</tr>
<tr>
<td>Rock County, WI</td>
<td>411</td>
<td>1.3%</td>
</tr>
<tr>
<td>Adams County, WI</td>
<td>383</td>
<td>1.3%</td>
</tr>
<tr>
<td>Jefferson County, WI</td>
<td>341</td>
<td>1.1%</td>
</tr>
<tr>
<td>Fond du Lac County, WI</td>
<td>299</td>
<td>1.0%</td>
</tr>
<tr>
<td>All Other Locations</td>
<td>3,461</td>
<td>11.3%</td>
</tr>
</tbody>
</table>

**Data Source:** U.S. Census Bureau OnTheMap LODES Data
Housing Price Index 1997 to 2018
(2000 = 100)

- United States
- State of Wisconsin
- Columbia County
- Dane County
- Dodge County
- Sauk County

Data Source: Federal Reserve Bank of St. Louis, Federal Reserve Economic Data (FRED)
Ratio of Median Owner Occupied Home Value to Median Household Income (2011 to 2015 5-Year Estimates)

Ratio of Median Owner Occupied Home Value to Median Household Income

- 2.00 or Less
- 2.01 to 2.50
- 2.51 to 3.00
- 3.01 to 3.50*
- 3.51 to 4.00
- 4.00 or More**
- No Data

* U.S. Average is 3.31
**Maximum value is 11.83% (Kings County, NY)

Data Source: U.S. Census Bureau 2011-2015 American Community Survey. Numbers are subject to a margin of error.

Share of Renters with Gross Rent Greater than 35 Percent of Household Income in the Past 12 Months

* U.S. Average is 39.5%
**Maximum value is 60.5% (Watauga County, NC)

Data Source: U.S. Census Bureau 2011-2015 American Community Survey. Numbers are subject to a margin of error.
Percent of Households Spending 30% or More of Income on Housing

- Portage: [Graph data]
- Cambria: [Graph data]
- Wisconsin Dells: [Graph data]
- Columbus: [Graph data]
- Lodi: [Graph data]
- Pardeeville: [Graph data]

Legend:
- Occupied Housing
- Owner Occupied
- Renter Occupied
Residential Building Permits

Single Unit Structures – 2000 to 2017

Data Source: U.S Census Bureau
Distribution of Employment by Probability of Automation/Computerization

Source: Bureau of Labor Statistics, Frey and Osborne (2017) and Author’s Calculations
### Wisconsin’s Manufacturing Sector – 15 Most Common Occupations and Probability of Automation/Computerization

<table>
<thead>
<tr>
<th>NAICS and Industry Description</th>
<th>Number of Employees in WI Manufacturing</th>
<th>Automation Probability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Team Assemblers</td>
<td>32,310</td>
<td>97.0%</td>
</tr>
<tr>
<td>First-Line Supervisors of Production and Operating Workers</td>
<td>19,760</td>
<td>1.6%</td>
</tr>
<tr>
<td>Laborers and Freight, Stock, and Material Movers, Hand</td>
<td>14,770</td>
<td>85.0%</td>
</tr>
<tr>
<td>Machinists</td>
<td>13,080</td>
<td>65.0%</td>
</tr>
<tr>
<td>Welders, Cutters, Solderers, and Brazers</td>
<td>13,010</td>
<td>94.0%</td>
</tr>
<tr>
<td>Packaging and Filling Machine Operators and Tenders</td>
<td>11,860</td>
<td>98.0%</td>
</tr>
<tr>
<td>Inspectors, Testers, Sorters, Samplers, and Weighers</td>
<td>11,340</td>
<td>98.0%</td>
</tr>
<tr>
<td>Computer-Controlled Machine Tool Operators,</td>
<td>10,220</td>
<td>86.0%</td>
</tr>
<tr>
<td>Sales Representatives, Wholesale and Manufacturing</td>
<td>10,180</td>
<td>85.0%</td>
</tr>
<tr>
<td>Maintenance and Repair Workers, General</td>
<td>8,920</td>
<td>64.0%</td>
</tr>
<tr>
<td>Cutting, Punching, and Press Machine Setters, Operators, etc.</td>
<td>8,790</td>
<td>78.0%</td>
</tr>
<tr>
<td>Paper Goods Machine Setters, Operators, and Tenders</td>
<td>8,580</td>
<td>67.0%</td>
</tr>
<tr>
<td>Electrical and Electronic Equipment Assemblers</td>
<td>8,360</td>
<td>95.0%</td>
</tr>
<tr>
<td>Food Batchmakers</td>
<td>8,240</td>
<td>70.0%</td>
</tr>
<tr>
<td>Office Clerks, General</td>
<td>7,810</td>
<td>96.0%</td>
</tr>
</tbody>
</table>

Source: Bureau of Labor Statistics OES, Frey and Osborne (2017) and Author’s Calculations
Contact Information

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University of Wisconsin-Madison
Division of Extension

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