

## Exporting Industries: Employment and Wage Trends

Indiana's top four export industries — transportation equipment, chemicals, machinery and electronics — together accounted for 10% of the state's employment and almost 16% of the state's wages, according to covered employment and wage data for second quarter 1999. (For details on exports by industry, see "IN the Spotlight" on page 2.)

**Higher Wages Across the Board**  
Average weekly wages for the four export industries were all higher than the overall average weekly wage of \$559 for the state. The highest average weekly wage, \$1,330 per week, was in the chemicals industry. This wage is 2.4 times the state average. Together, the four top exporting industries paid, on average, \$885 per week, one and a half times greater than the state average.

chemical industry (84%), followed by transportation equipment (44%), industrial machinery (34%) and electronics (32%).

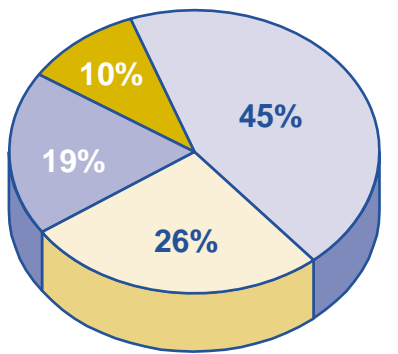
### Employment Changes Unique for Each Industry

Each of the four largest export industries paid higher wages in 1999 than in 1989. In average weekly wages, the greatest increase was in the

While each of the top export industries show wage increases, changes in employment vary according to the industry. Figure 1 shows the contribution to total employment by each of the four industries in second quarter 1999. Looking at changes in employment in the most recent year and in the past 10 years for the four

Figure 1: Top Four Export Industries

Top four employment distribution

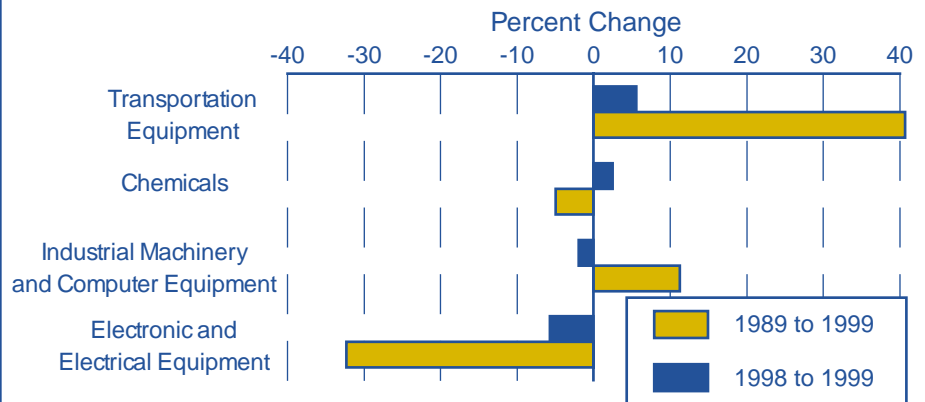


- Transportation Equipment (45%)
- Industrial Machinery and Computer Equipment (26%)
- Electronic and Electrical Equipment (19%)
- Chemicals (10%)

Source: Indiana Department of Workforce Development

Figure 2: Percentage Employment Change in Export Industries

Transportation equipment leads the way



Source: Indiana Department of Workforce Development

Table 1: Indiana's Top Four Export Industries, Second Quarter 1999

Industries	Establishments	Employment	Quarterly Wages	Average Weekly Wage
Transportation Equipment	562	127,593	\$1,499,479,924	\$904.00
Industrial and Commercial Machinery	1,849	75,989	\$756,322,413	\$765.62
Electronic and Electrical Equipment	390	54,118	\$540,462,872	\$768.21
Chemicals	260	29,394	\$508,243,908	\$1,330.06
Industry Totals	3,061	287,094	\$3,304,509,117	\$885.40
<b>State Totals</b>	<b>138,220</b>	<b>2,923,692</b>	<b>\$21,243,994,897</b>	<b>\$558.93</b>

Source: Indiana Department of Workforce Development

industries reveals four different scenarios. Figure 2 shows the percent change in employment for each of the four sectors, from second quarter 1998 to second quarter 1999, and from second quarter 1989 to second quarter 1999.

Motor vehicles and equipment account for the largest portion of employment in the state's **transportation equipment** industry. Employment in this industry grew from 90,700 in 1989 to 120,800 in 1998. In the last year covered by the data, an additional 6,800 jobs were created within the industry. The net increase over 10 years has been 36,900 jobs, with 18% of the increase occurring in the most recent year. The addition of the Toyota plant in Princeton and the Chrysler expansions have contributed to employment growth in this sector.

Pharmaceutical preparations account for the largest portion of employment in the **chemicals** industry in the state. The chemicals industry has seen a decrease in employment in the past 10 years, but employment grew by 700 in the most recent year. Employment growth in this industry is expected as Eli Lilly continues its expansion.

The **industrial and commercial machinery** industry includes industrial machinery, metalworking machinery, and engines and turbines. The last year saw a decline in employment of 1,500

jobs. However, including last year, net employment in this industry increased by 7,700 over 10 years.

The **electronic and electrical equipment** industry includes electronic components and accessories,

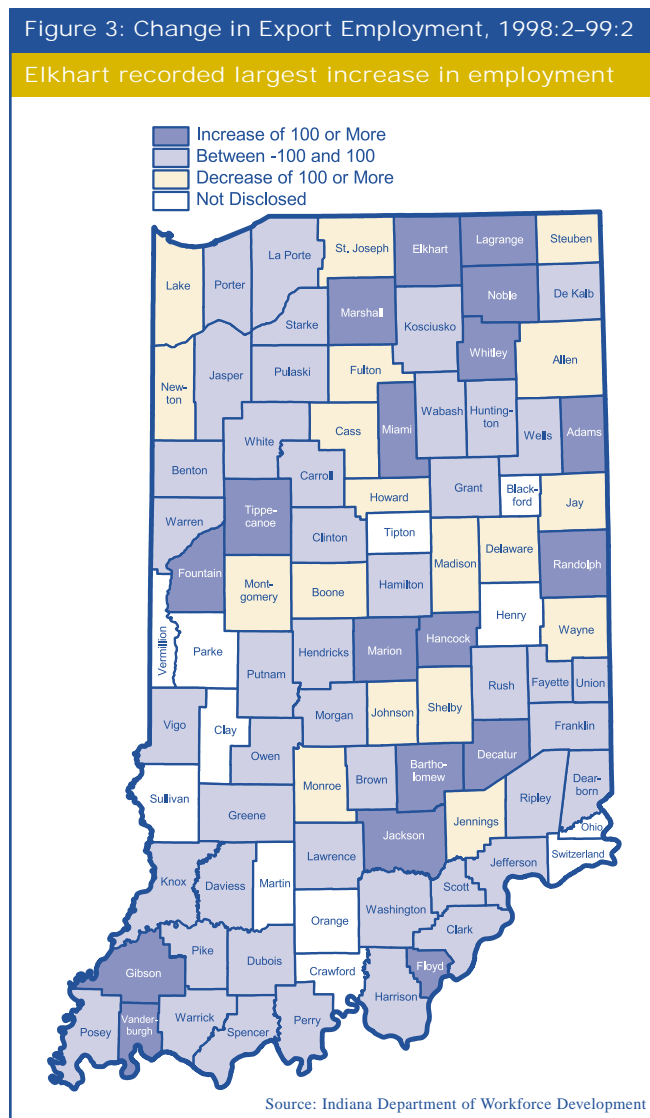
manufacturing plants including GE and Thomson Consumer Electronics have contributed to employment decline in this sector.

Figure 3 shows the change in combined employment for the four

export industries between second quarter 1998 and second quarter 1999, by county. Elkhart County recorded the largest increase in employment (2,588), followed by Gibson (861), Marshall (695), Decatur (657) and Tippecanoe (643). Counties recording the largest decreases in employment were Madison (742), Delaware (703), St. Joseph (701), Shelby (604) and Allen (524).

Overall, the comparison of export and employment data shows how complex the Indiana and global economy have become. In today's economy, a shrinking industry in terms of employment may in fact be expanding in terms of exports that add wealth to the Indiana economy.

*Technical Note: Employment change in some sectors is due in part to reclassification of certain types of establishments. In electronics, for example, establishments with more than 5,000 jobs were shifted from the electronics to the transportation equipment classification. Similarly, in 1999 at least one major employer was shifted from industrial machinery to primary metals.*



electric lighting and wiring equipment, household appliances, and household audio and video equipment. Employment declined by 32% from 80,000 in 1989 to 54,100 in 1999. Employment declined by 3,300 in the most recent year. Downsizing and closures of