

Local Employment Dynamics (LED) in Use

- 1. Developing Informational Reports for the Workforce Investment Boards (WIBs)**
- 2. Assisting Business Attraction and Retention**
- 3. Providing Context for Evaluating Economic Impacts of Firm Relocations and Executive Projects**
- 4. Assisting Disaster Mitigation and Assistance Planning**

WIB Informational Reports

Northwest MO Hotspot – St. Joseph

Discovering Employment Trends with Local Employment Dynamics (LED)

St. Joseph is an economic and employment center for the Northwest region of Missouri. This report details the workers and industries that make this place a hotspot of economic activity.



Northwest Employment Hotspots

St. Joseph, Maryville, Chillicothe, and Kansas City Metro form the largest concentrations of employment in the Northwest Workforce Investment Area.

Northwest WIA Region

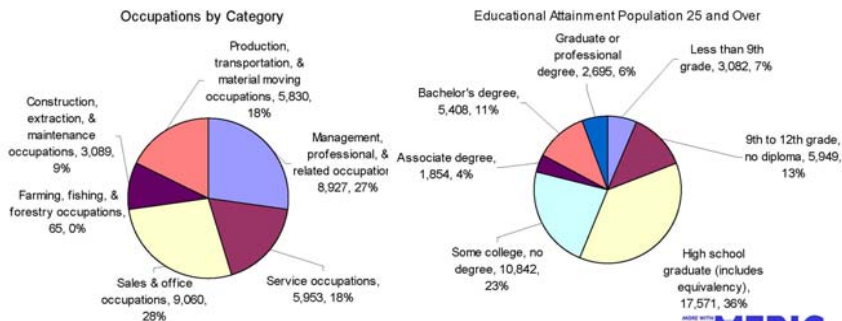


Workforce Investment Areas are the result of the federal Workforce Investment Act of 1998 (WIA) which funds a number of employment and training programs across the nation.

In 2003, 79% of all workers in the Northwest region were employed in the private sector. This means that 21% were employed in the public sector. Close to 50% of the private sector workers were employed in the cities of St. Joseph (35.1%), Kansas City (7.1%), Maryville (6.4%) and Chillicothe (4.7%). About 43% of the private sector workers were employed in Buchanan and Nodaway Counties.

St. Joseph Census Overview

In 2000, St. Joseph had a population of 73,829 with a median age of 35.7 years old. Most residents were employed in sales and office occupations (27.5%) and 80.9% had a high school education or higher.



Where do St. Joseph's Workers Live?

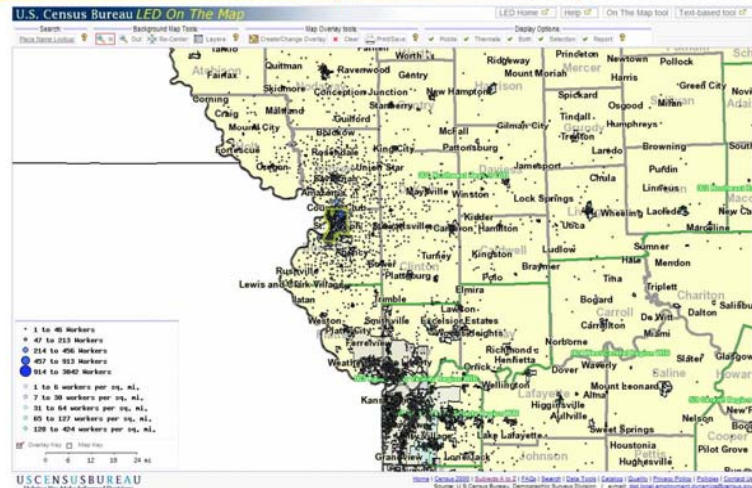
St. Joseph gets most of its workers (53.6%) from within St. Joseph. It is also notable that St. Joseph draws over 5.9% of its workforce from outside of Missouri.

The Local Employment Dynamics (LED) program is a partnership between the U.S. Census Bureau and the agencies in each state that generate and analyze labor market information. The LED On-the-Map tool allows you to designate either an area where workers work and determine where they live, or designate where residents live and determine where those workers commute.

Where Workers Live that are Employed in St. Joseph, Missouri		
Baseline Count of Jobs	2003	
	Count	Share
All Jobs (Private Sector Only)	32,638	100.00%
Cities/Towns Where Workers Live		
	Count	Share
* St. Joseph, MO	17,486	53.60%
* Unincorporated Areas	5,803	17.80%
* Out-of-State	1,936	5.90%
* Kansas City, MO	858	2.60%
* Savannah, MO	796	2.40%
* All Other Locations	5,759	17.60%
Counties Where Workers Live		
	Count	Share
* Buchanan Co., MO	19,752	60.50%
* Andrew Co., MO	2,751	8.40%
* Out-of-State	1,936	5.90%
* Jackson Co., MO	1,103	3.40%
* St. Louis Co., MO	719	2.20%
* All Other Locations	6,377	19.50%

Data Sources: US Census Bureau, LED Origin-Destination Data Base (2nd Quarter 2002 and 2003)

LED On-the-Map: Where Do St. Joseph Workers Live?



WIB Informational Reports

Southwest MO Industry Focus

Discovering Industry Trends with Local Employment Dynamics (LED)

What Industries Employ St. Joseph Workers?

Selection Area Profile - Characteristics of Employed Workers		
Area Employment by Category		
	2003	
	Count	Share
Total Employers	2,142	
* All Jobs	41,641	100.00%
* All Jobs (Private Sector Only)	32,638	78.40%
Jobs by Industry Type (2-digit NAICS)		
	2003	
	Count	Share
Private Sector Only		
* Agriculture, Forestry, Fishing and Hunting	119	0.40%
* Mining	11	0.00%
* Utilities	110	0.30%
* Construction	1,815	5.60%
* Manufacturing	5,279	16.20%
* Wholesale Trade	2,849	8.70%
* Retail Trade	4,449	13.60%
* Transportation and Warehousing	975	3.00%
* Information	622	1.90%
* Finance and Insurance	2,327	7.10%
* Real Estate and Rental and Leasing	521	1.60%
* Professional, Scientific, and Technical Services	850	2.60%
* Management of Companies and Enterprises	198	0.60%
* Administration & Support, Waste Management and Remediation	2,894	8.90%
* Educational Services	100	0.30%
* Health Care and Social Assistance	4,061	12.40%
* Arts, Entertainment, and Recreation	636	1.90%
* Accommodation and Food Services	3,493	10.70%
* Other Services (excluding Public Administration)	1,329	4.10%
* Public Administration	0	0.00%

Data Sources: US Census Bureau, LED Worker Origin/Destination Database (2nd Quarter 2002 and 2003)

What are the top industries by employment, employment growth and earnings in the Southwest Missouri Workforce Investment Area (WIA)? What is the makeup of the workforce employed in many of those industries? This report details the top industries in the Southwest WIA and the age and gender makeup of their workforce.



Workforce Investment Areas are the result of the federal Workforce Investment Act of 1998 which funds employment and training programs across the nation.

Southwest Top Ten Employing Industries

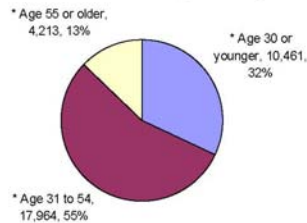
Rank	All NAICS subsectors	100,281
1	311 Food Manufacturing	8,374
2	722 Food Services and Drinking Places	7,870
3	484 Truck Transportation	6,338
4	337 Furniture and Related Product Manufacturing	6,281
5	622 Hospitals	6,014
6	561 Administrative and Support Services	4,365
7	452 General Merchandise Stores	4,083
8	621 Ambulatory Health Care Services	3,279
9	332 Fabricated Metal Product Manufacturing	3,246
10	623 Nursing and Residential Care Facilities	2,722

Jobs by Worker Age

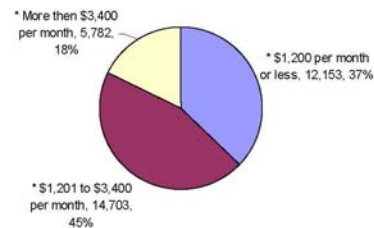
Jobs by Earnings Paid

There are more jobs counted than people in the workforce due to the fact that some people hold down more than one job at a time. Also a part-time job and a full-time job are counted equally as jobs in this analysis.

Private Sector Jobs by Worker Age



Private Sector Jobs by Annual Earnings Paid



Data sources: U.S. Bureau of Labor Statistics, U.S. Bureau of Economic Analysis, U.S. Census Bureau, and MERIC LED program.

Southwest Top Ten Fastest Growing Employment Industries

Rank	All NAICS subsectors	-2%
1	322 Paper Manufacturing	33%
2	485 Transit and Ground Passenger Transportation	26%
3	324 Petroleum and Coal Products Manufacturing	20%
4	212 Mining (except Oil and Gas)	16%
5	551 Management of Companies and Enterprises	11%
6	423 Merchant Wholesalers, Durable Goods	10%
7	326 Plastics and Rubber Products Manufacturing	10%
8	493 Warehousing and Storage	10%
9	111 Crop Production	9%
10	454 Nonstore Retailers	9%

WIB Informational Reports

Southwest Top Ten Average Monthly Earnings

Rank	All NAICS subsectors	\$2,553
1	517 Telecommunications	\$5,599
2	523 Securities, Commodity Contracts, Financial Inv.	\$4,950
3	425 Wholesale Electronic Markets and Agents	\$4,254
4	221 Utilities	\$3,995
5	621 Ambulatory Health Care Services	\$3,875
6	622 Hospitals	\$3,825
7	551 Management of Companies and Enterprises	\$3,809
8	324 Petroleum and Coal Products Manufacturing	\$3,713
9	484 Truck Transportation	\$3,644
10	325 Chemical Manufacturing	\$3,460

Southwest Top Ten Growth in Average Monthly Earnings

Rank	All NAICS subsectors	6%
1	721 Accommodation	79%
2	425 Wholesale Electronic Markets and Agents and Brokers	26%
3	523 Securities, Commodity Contracts, and Other Financial Inve	15%
4	326 Plastics and Rubber Products Manufacturing	19%
5	517 Telecommunications	10%
6	621 Ambulatory Health Care Services	11%
7	337 Furniture and Related Product Manufacturing	13%
8	488 Support Activities for Transportation	16%
9	331 Primary Metal Manufacturing	16%
10	492 Couriers and Messengers	12%

Southwest Top Ten Analysis

Several industries within the Southwest region made several of the Top Ten Lists:

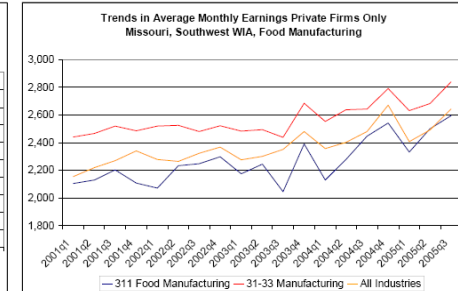
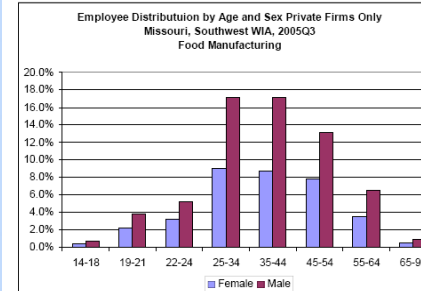
Ambulatory Health Care Services, primarily doctors' offices, was the only industry to make three of the lists. This business sector had a large number of employees, making high salaries, and seeing above average growth in average monthly earnings.

Other industries that made two Top Ten Lists include: Petroleum and Coal Products Manufacturing, Plastics and Rubber Products Manufacturing, Furniture and Related Product Manufacturing, Truck Transportation, Telecommunications, Securities, Commodity Contracts, Financial Inv., Company Management, and Hospitals.

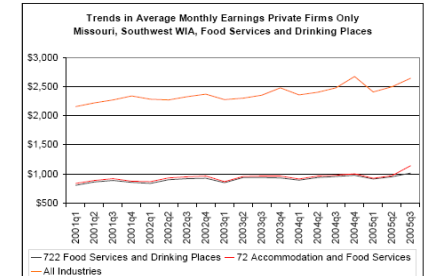
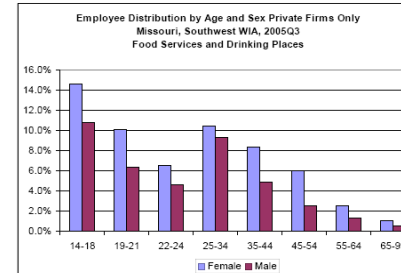
Southwest Workforce Characteristics of Top Employing Industries

The charts below describe the wage growth along with age and sex distributions for the top five employing industries in the Southwest region.

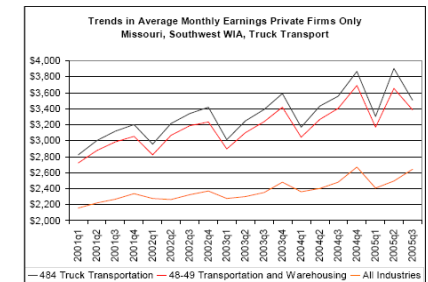
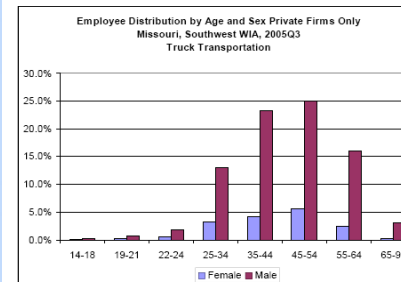
Food Manufacturing



Food Services and Drinking Places

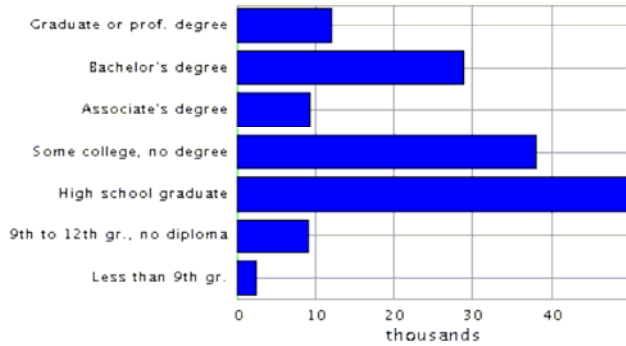


Truck Transportation



Business Attraction and Retention

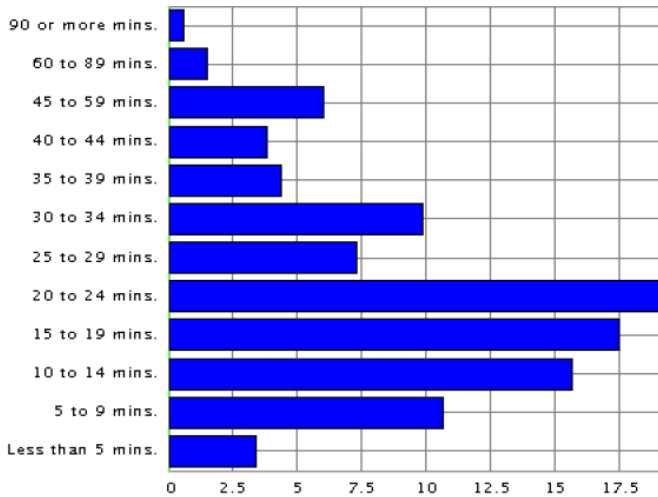
Education Levels for the Population Age 25 and Older



Clay County, Missouri

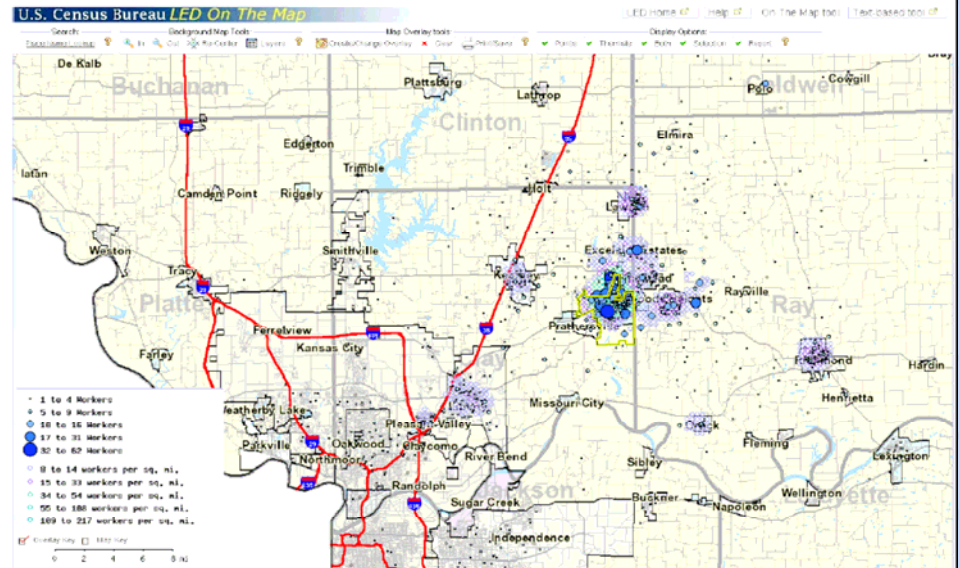
Data Sponsored By [U.S. Census Bureau - ACS](#)
 **Data Source: ACS/Summarized Data/2005/Detailed Tables

Percent of Commuters by Travel Time to Work

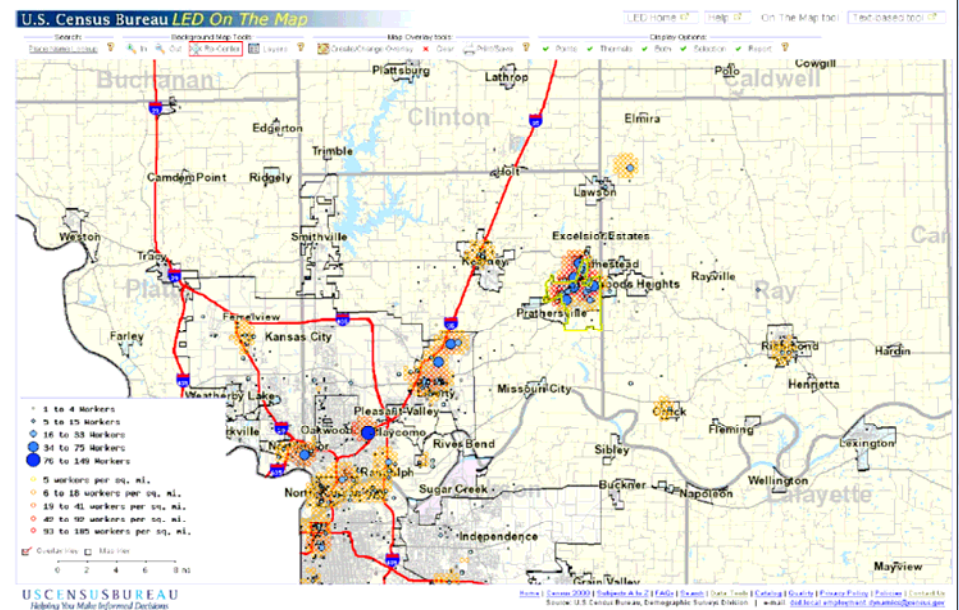


Data Sponsored By [U.S. Census Bureau - ACS](#)
 **Data Source: ACS/Summarized Data/2005/Detailed Tables

Where do people who work in Excelsior Springs live?

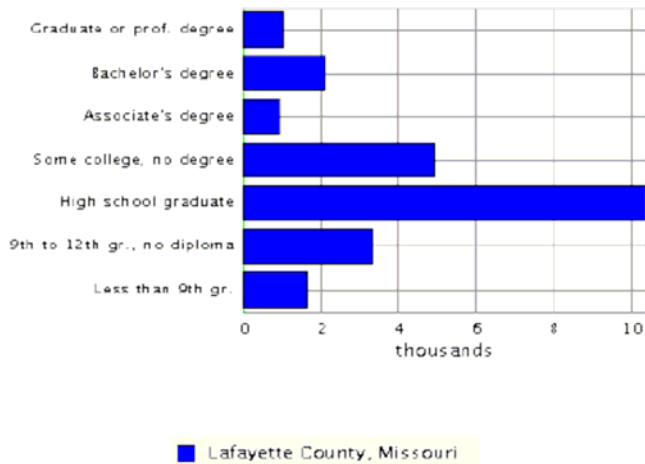


Where do residents of Excelsior Springs work?



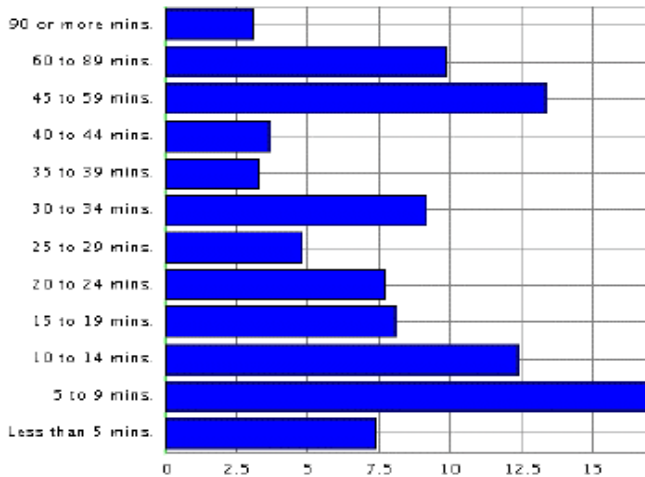
Business Attraction and Retention

Education Levels for the Population Age 25 and Older



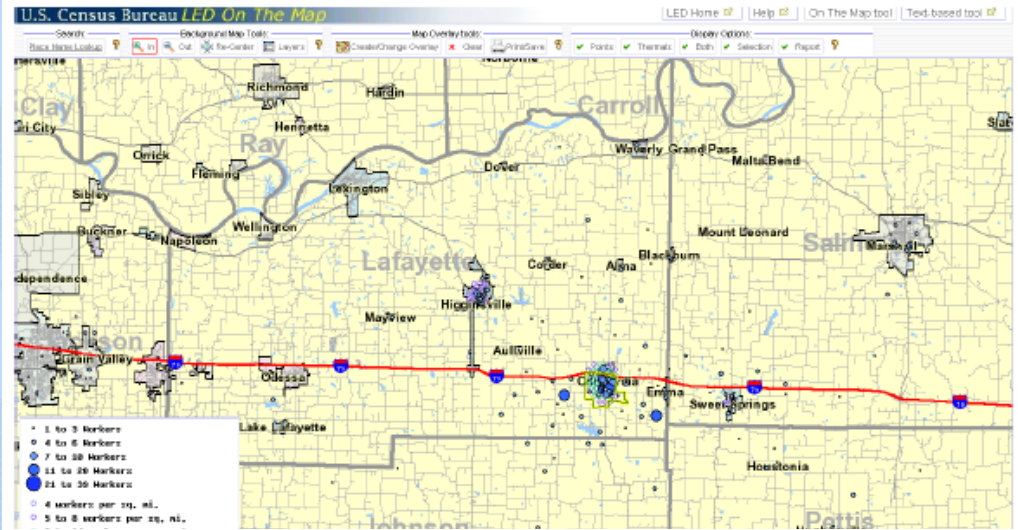
Data Sponsored By: [U.S. Census Bureau - ACS](#)
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Percent of Commuters by Travel Time to Work

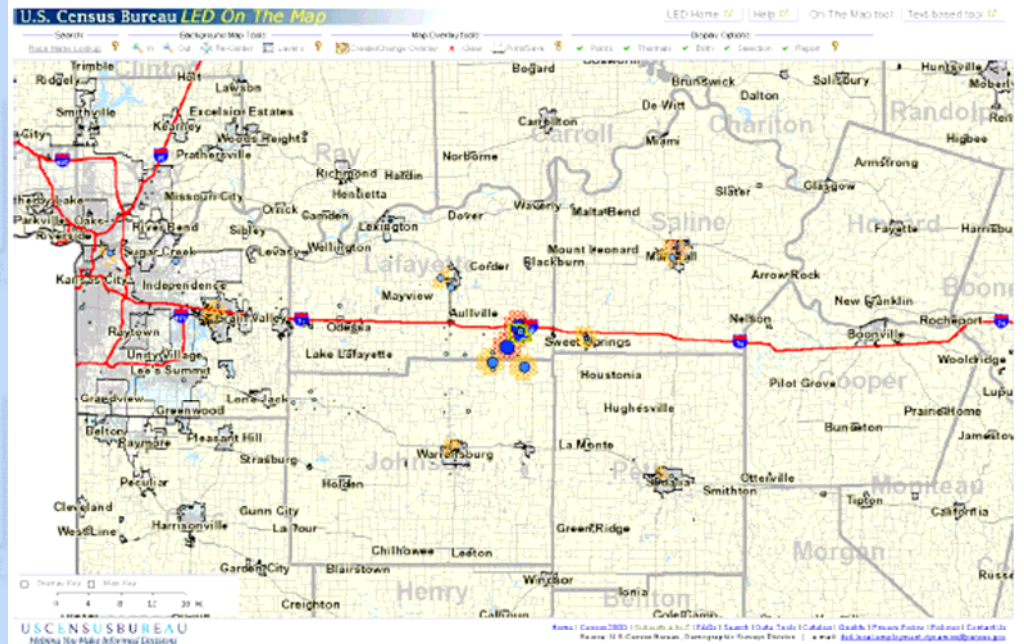


Data Sponsored By: [U.S. Census Bureau - ACS](#)
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Where do people who work in Concordia live?



Where people who live in Concordia work



Context for Evaluating Economic Impacts



Community Impact Brief

Ford Plant – Hazelwood, MO Closure

This brief describes the annual economic impact of the Ford Motor Plant closure in Hazelwood, Missouri. The brief also illustrates which communities in Missouri and Illinois may potentially be impacted by the job losses.

ANNUAL AVERAGE ECONOMIC IMPACT FOR YEARS 2006 THROUGH 2015:

- Loss of 6,971 new JOBS each year paying an average wage of \$53,840
- Loss of \$27.5 million in new GENERAL REVENUES each year
- Loss of \$374.3 million in new PERSONAL INCOME each year
- Loss of \$907.6 million in new VALUE-ADDED / GSP each year
- Loss of \$2.4 billion in new ECONOMIC OUTPUT each year

Economic Impact Analysis estimated using the Regional Economic Models, Inc. (REM) Regional Model. Assumptions provided by Missouri Department of Economic Development.

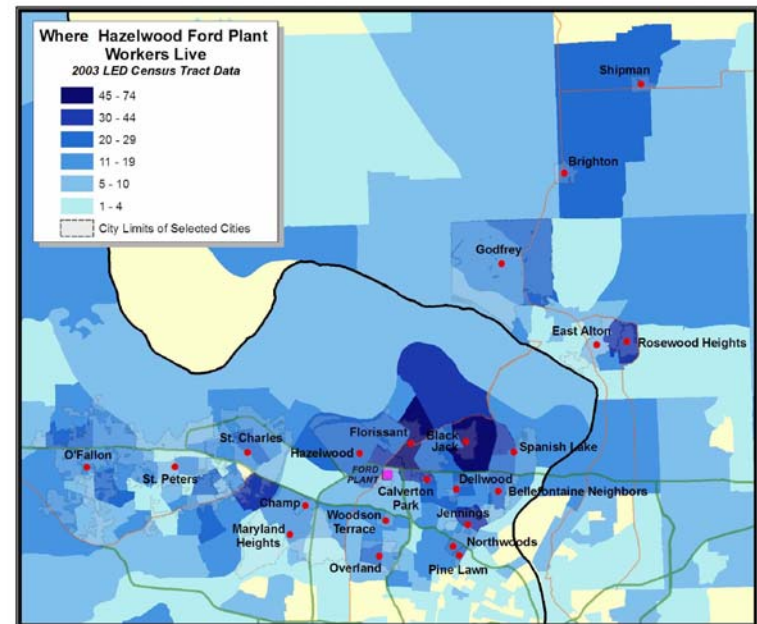
The *Ford Suppliers in Missouri* map shows where Ford suppliers are located throughout Missouri based on 2003 research. These counties will likely see some job impacts as automotive suppliers adjust to the Ford Plant closing.

Ford Suppliers in Missouri



The *LED City Impact* map notes cities where concentrations of Ford Plant employees were located in 2003. The map of cities does not represent all communities potentially impacted by job losses, only those where clusters of higher worker concentrations are located. As the *LED Overview* map shows, impacts will be felt throughout the St. Louis Metro region.

LED City Impact

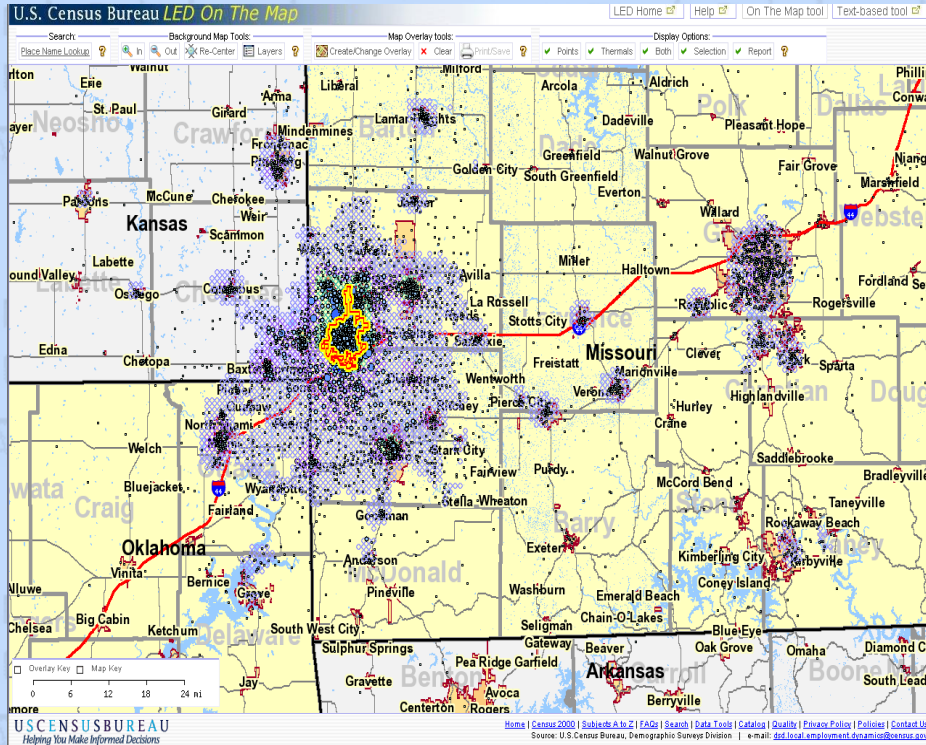


Context for Evaluating Economic Impacts

What is the Extent of Cross Border Commuting Into Joplin, Missouri?

Labor Shed Report

Where Workers Live that are Employed in Joplin



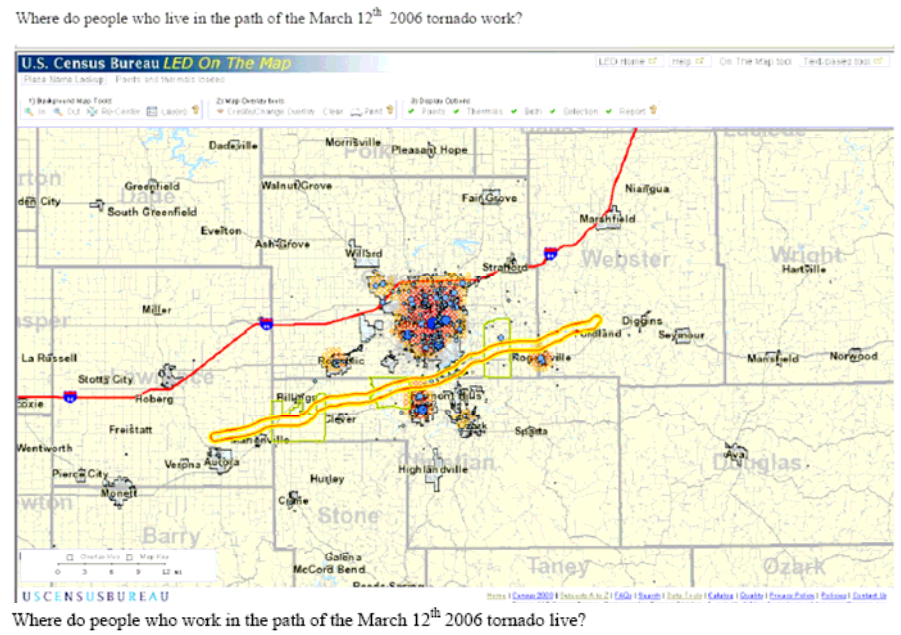
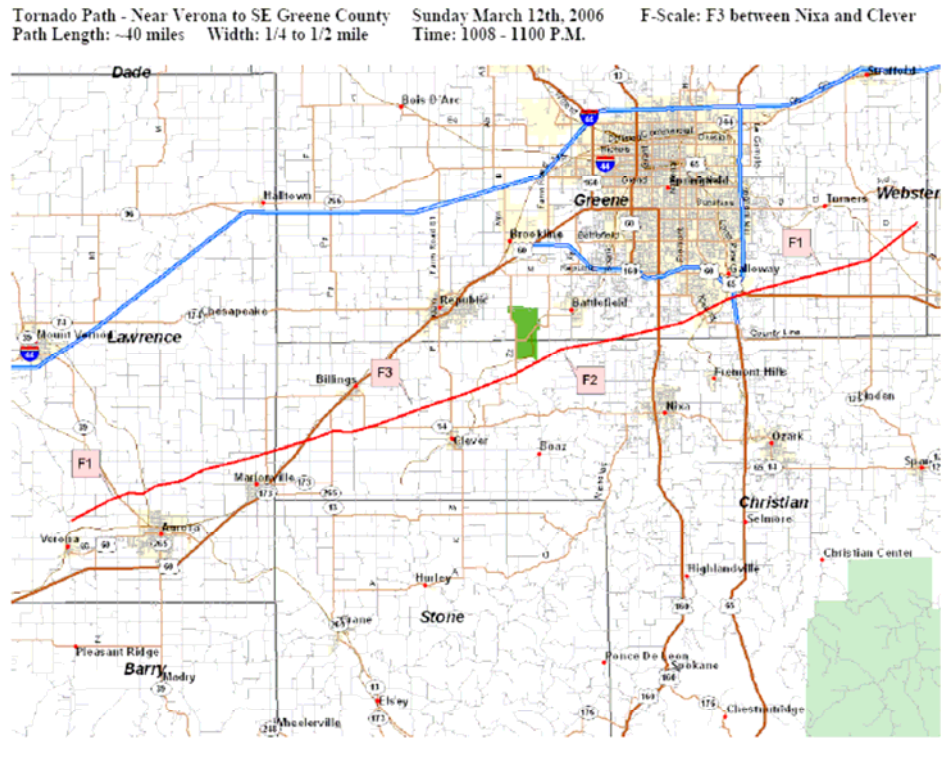
Data Sources US Census Bureau, LED Origin-Destination Data Base (2nd Quarter 2004)

Approximately 12.0% of Joplin's workers come from other states.

<u>Area Employment by Category</u>		2004	
	Count	Share	
Total Employers:	3,612		
* All Jobs	35,836	100.0%	
* All Jobs (Private Sector Only)	33,600	93.8%	
* All Primary Jobs (Worker's highest paying job)	33,747	94.2%	
* All Primary Jobs (Private Sector Only)	31,617	88.2%	
<u>Baseline Count of Jobs</u>		2004	
All Primary Jobs	33,747	100.0%	
<u>Counties Where Workers Live</u>		2004	
* Jasper, Missouri	17,793	52.7%	
* Newton, Missouri	6,518	19.3%	
* Cherokee, Kansas	1,764	5.2%	
* Greene, Missouri	879	2.6%	
* Ottawa, Oklahoma	826	2.4%	
* Jackson, Missouri	446	1.3%	
* St. Louis, Missouri	388	1.1%	
* Crawford, Kansas	290	0.9%	
* Barton, Missouri	271	0.8%	
* Christian, Missouri	234	0.7%	
* All Other Locations	4,338	12.9%	
<u>States Where Workers Live</u>		2004	
* Missouri	29,694	88.0%	
* Kansas	2,344	6.9%	
* Oklahoma	1,087	3.2%	
* All Other Locations	622	1.8%	

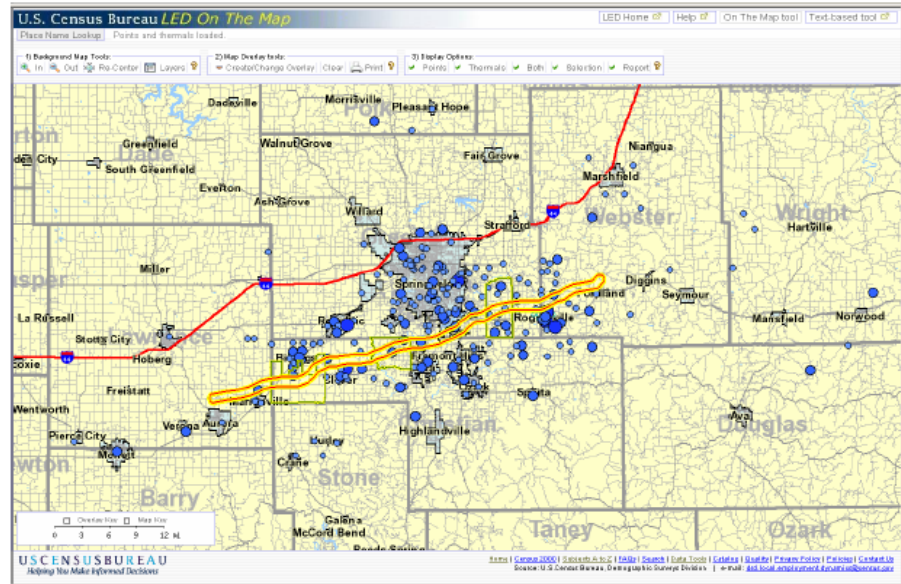
Disaster Assistance Planning

Tornado disaster evaluation



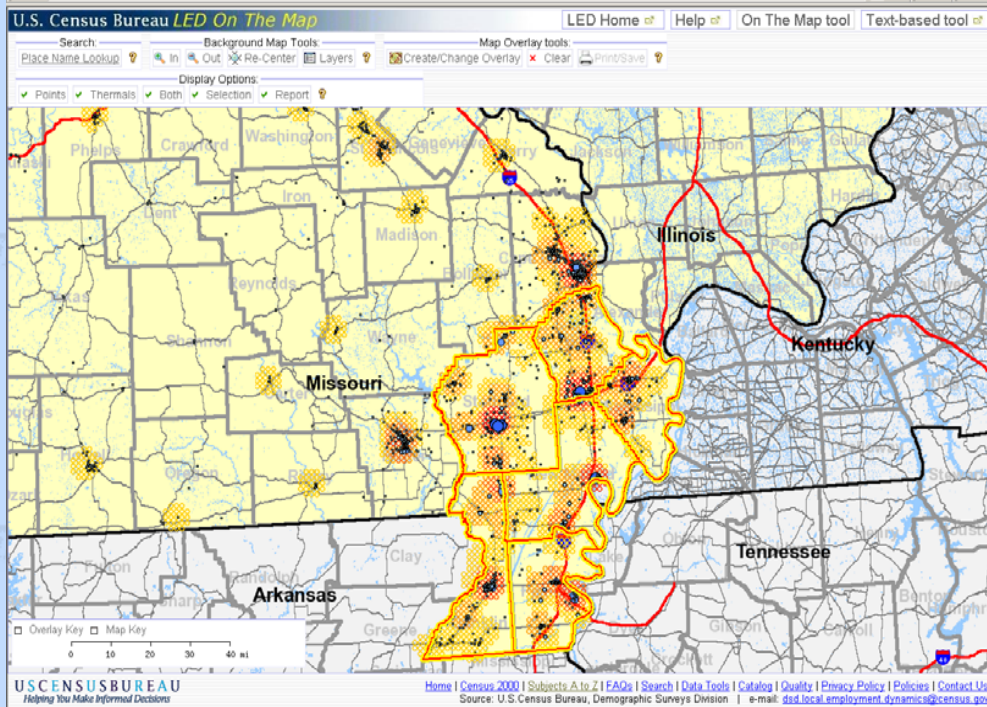
NOAA's National Weather Service

To evaluate the economic impact of a tornado using LED we first obtain the tornado track from the National Weather Service and using the LED buffer tool draw that track using an appropriate width. This allows us to show where those that live in the tornado track work, and where those who work in the tornado track live.



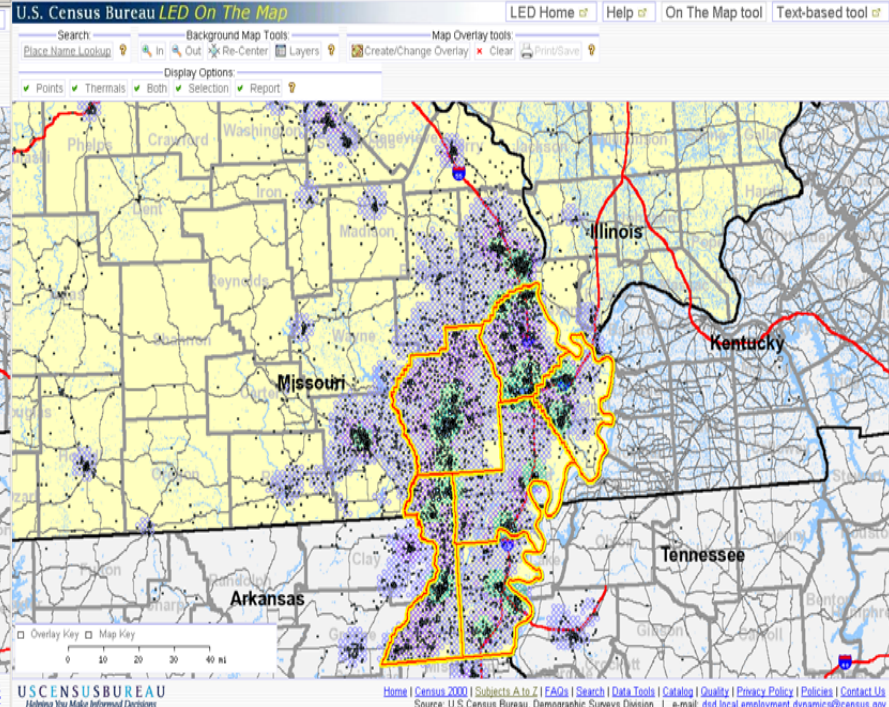
Disaster Assistance Planning

Earthquake preparedness planning



Where do people who live in Dunklin, Pemiscot, Stoddard, Scott, New Madrid and Mississippi Counties Missouri work?

This identifies the daytime population distribution.



Where do people who work in those counties live?

This identifies the night time population distribution.

It is important to identify the difference between the daytime and night time population centers in order to identify the roads, bridges and other infrastructure that will be critical in the case of an earthquake or other natural disaster.