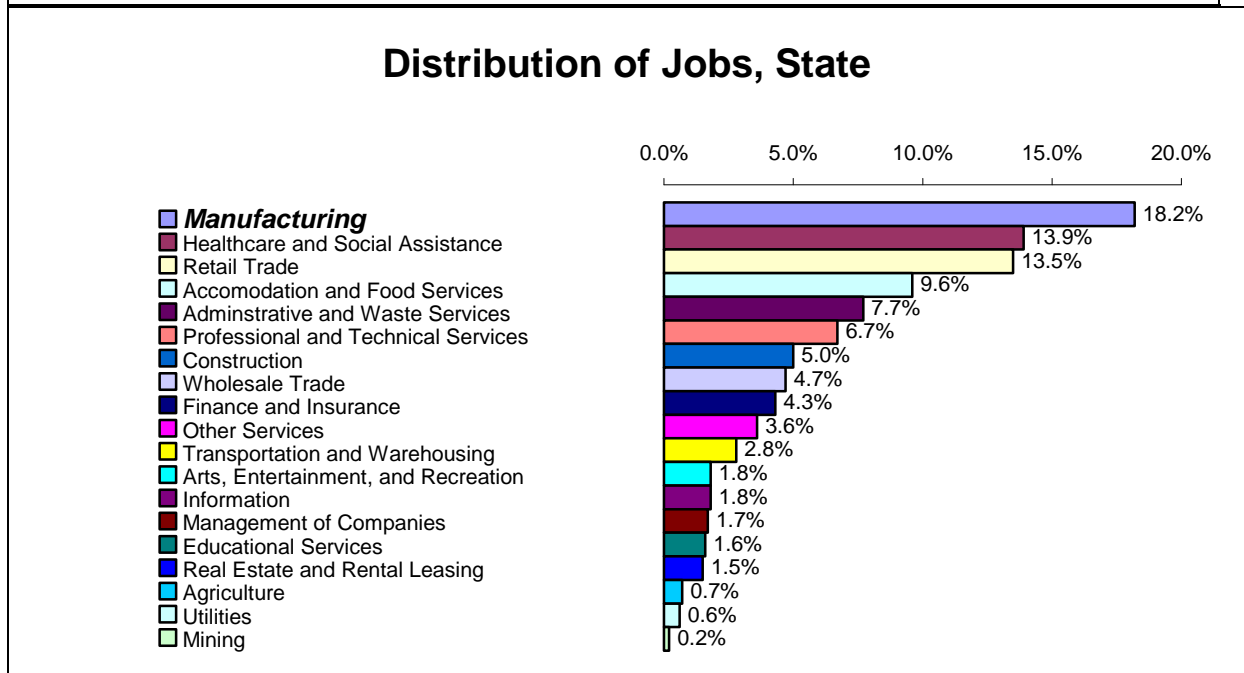
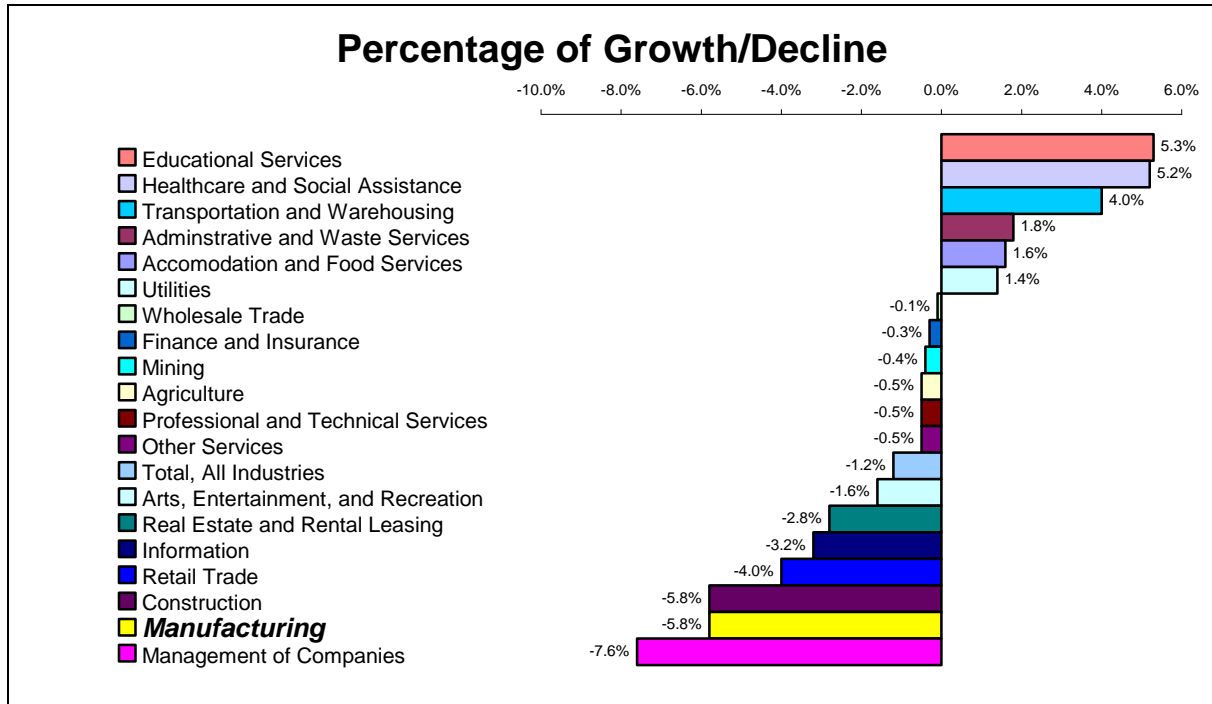




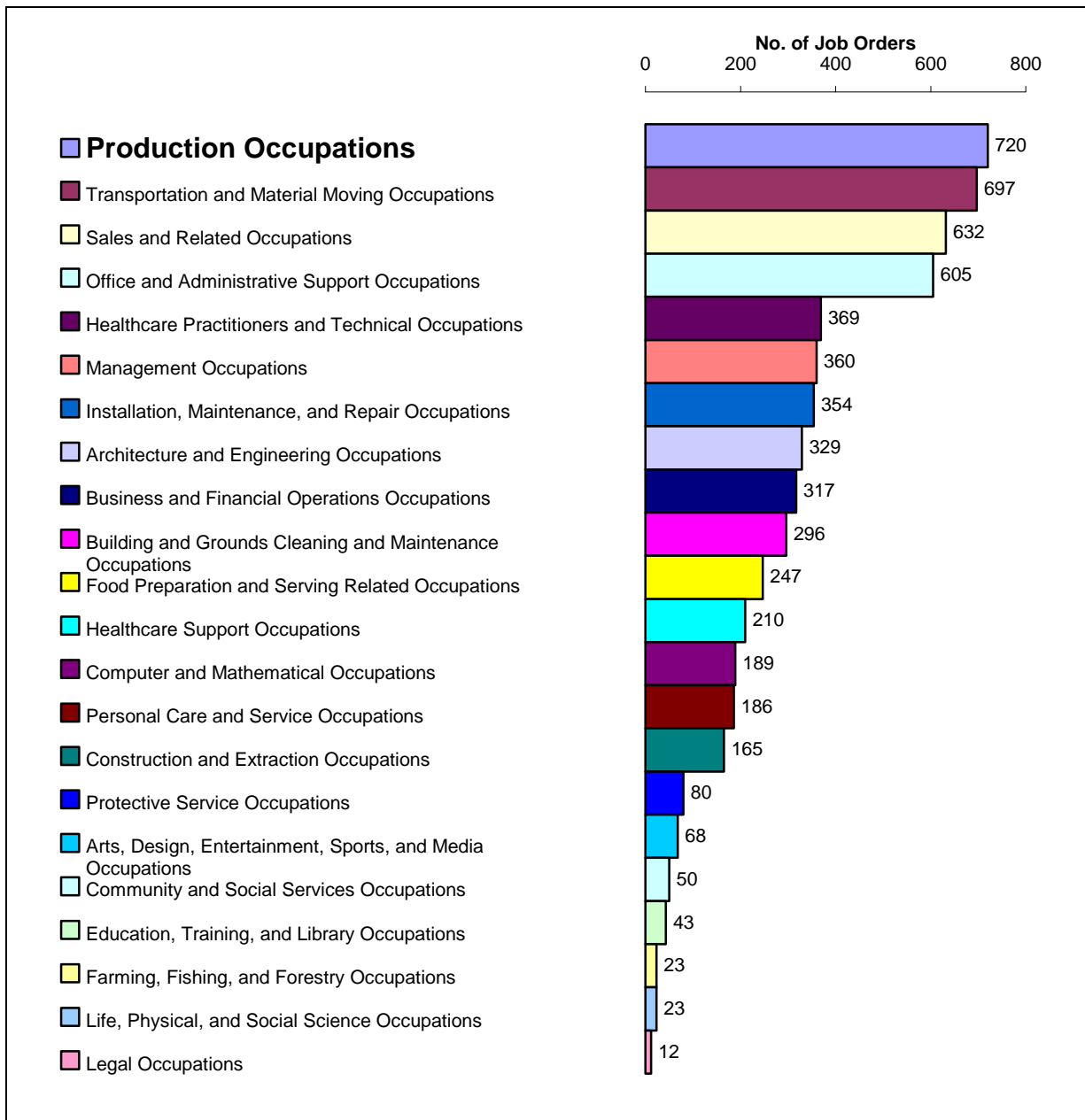
Advanced Manufacturing Industry Data Report



State Industry Job Growth – The following charts shows industry job trends for the State of Michigan between 2004 and 2006. The first shows the two-year growth rate in employment for several major industry sectors. It allows a comparison of industry sectors in Michigan and quickly identifies sectors with job gains and losses. The second shows the percent distribution of jobs in each of the major industry sectors. The data shown is for whole industry sectors, identified by their 2-digit North American Industry Classification System (NAICS) Codes.



State job Demand – The following chart shows state job demand for January through March 2007. It contains the number of job orders placed on the Michigan Talent Bank during that period of time, grouped by O*NET Standard Occupational Codes (SOC).



Regional Outlook – The Bureau of Labor Market Information & Strategic Initiatives within the Department of Labor & Economic Growth produces a substantial volume of data on local economies and regional labor markets. They recently produced thirteen regional profiles for the 21st Century Workforce Initiative. The following charts are based on information provided in those thirteen regional profiles. Industry sectors in this section have been broken down into sub-sectors for regional comparison based on their 3-digit NAICS codes.

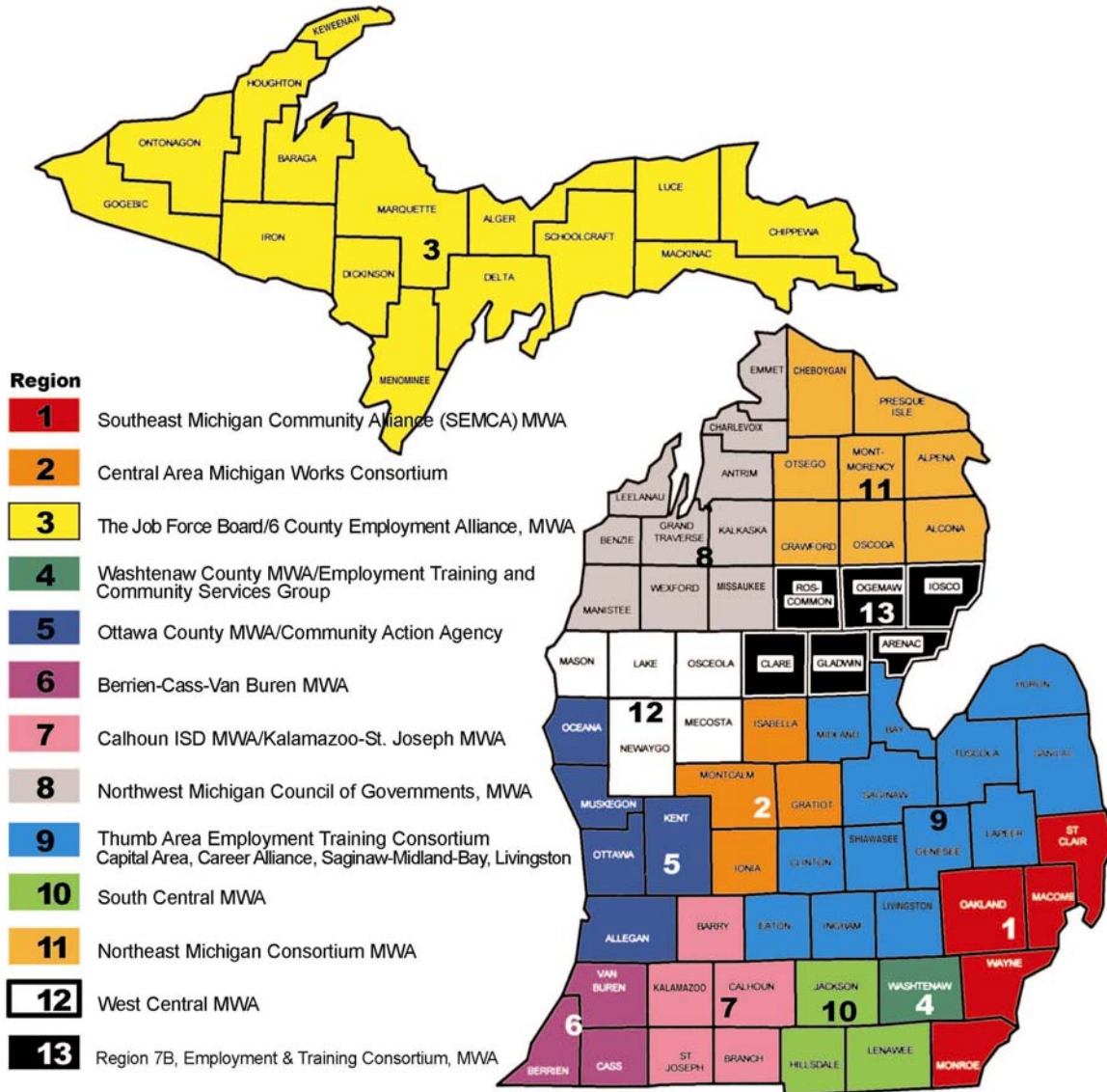
GROWING INDUSTRIES – The Regional profiles listed the top ten growth industries for each of the thirteen regions. The following industries showed faster than average employment growth from 2004 to 2006 in 5 or more of the thirteen regions.

INDUSTRY	No. of Regions Reporting Growth	Average Percentage of Growth in Those Regions
Ambulatory Health Care Services	10	12.2%
Social Assistance	8	12.9%
Administrative and Support Services	7	13.3%
Truck Transportation	7	13.4%
Nursing and Residential Care Facilities	7	10.3%
Hospitals	7	11.1%
Educational Services	6	10.3%
Machinery Manufacturing	6	9.1%
Membership Associations and Organization	5	8.9%
Accommodation	5	8.7%
Building Material and Garden Supply Stores	5	6.0%
Credit Intermediations and Related Activities	5	5.9%

DEVELOPING INDUSTRIES – The Regional profiles listed the top ten developing industries for each of the thirteen regions. Developing industries are defined as industries whose regional share of jobs is advancing faster than the average for that industry nationally. In other words, these industries locally are outpacing the nation in terms of job growth. A developing industry may represent an emerging sector with potential steady gains in regional importance. Five or more of the thirteen regions identified the following as developing industries.

INDUSTRY	No. of Regions Reporting Developing Industry	Average Percentage of Growth in Those Regions
Nursing and Residential Care Facilities	6	9.0%
Social Assistance	6	12.2%
Ambulatory Health Care Services	5	8.8%
Hospitals	5	4.3%
Membership Associations and Organization	5	10.3%
Telecommunications	5	5.8%
Truck Transportation	5	15.4%

Creating a 21st Century Workforce Planning Regions



Hot Jobs – DLEG’s Bureau of Labor Market Information & Strategic Initiatives lists Michigan’s Hot 50 Jobs for Today & Tomorrow. These forecasts highlight positive long-term growth occupations and offer a job outlook through 2012. The following Manufacturing Occupations are listed in Michigan’s hot 50 jobs along with average hourly wages, projected annual openings, percent of job growth, and education and training required.

Demand Occupation	Average Hourly Wage	Projected Annual Job Openings	Percent Job Growth 2002-2012	Education and Training
Electricians	\$25.72	1,065	20.5%	Apprenticeship, postsecondary technical training, or long-term OJT, state license
Plumbers, Pipefitters, and Steamfitters	\$24.08	734	15.9%	Apprenticeship, postsecondary technical training or long-term OJT, state license
Sheet Metal Workers	\$22.89	255	17.4%	Apprenticeship or moderate OJT
Maintenance and Repair Workers, General	\$17.17	1,367	14.2%	Moderate OJT

New and Emerging Occupations in Manufacturing – as reported by the Michigan Jobs and Career Portal.

- Logistics Analyst
- Logistics Clerk
- Logistics Coordinator
- Materials Compliance Specialist

Michigan Regional Skills Alliances (MiRSA)* Activities in Manufacturing – There are currently 8 MiRSAs operating across the state that are focused on the Manufacturing Industry Sector. The following is a summary of projects, challenges, and future plans that are being addressed by these MiRSAs and their employer partners.

Current/ On Going Projects:

- Identify target jobs where skills are transferable to other industries
- Identify training necessary to fill skills gap and promote advancement
- Develop Skills Standard Assessment
- Community-Based Recruiting
- Skills Upgrade, development of basis soft skills
- Establish credentialing program
- Establish regional training facility
- Develop new and improved marketing tools for the manufacturing industry
- Provide the fundamentals of international trade activities to employers considering expansion into international markets

New / Proposed:

- Assure companies and executives are aware of workforce issues in manufacturing, design solutions
- Participate and develop Asset Map for areas
- Participation in Jobs Employment Training (JET) program
- Growth of apprenticeship opportunities
- Development of industry specific credential programs
- Agri- Business

Challenges:

- Finding direct matches between manufacturing and health care positions
- Sustainability and lack of adequate funding
- Not enough time for planning because the grant period is only for one year
- Lack of time and dedicated staff
- Lack of participation from some of the areas in the region or MiRSA
- Regional Collaboration in areas where the MiRSA covers a large geographic distance
- Establishment of standardized curricula
- Locating, synthesizing, and coordinating information about what organizations or programs have to offer and how a manufacturing representative can access these services

Future Plans:

- Continue to build research with partners and educational institutions
- Develop image campaign to expose people to different
- Promote Science, Technology, Engineering, and Mathematics (STEM) Education
- Do a gap analysis
- Learn Best Practices from other MiRSAs
- Coordination more with Community Colleges and other educational institutions

* Michigan Regional Skills Alliances and MiRSA are Service Marks of the Department of Labor & Economic Growth/Bureau of Workforce Programs.