

# Economy Overview

Central Upper Peninsula (CUP)

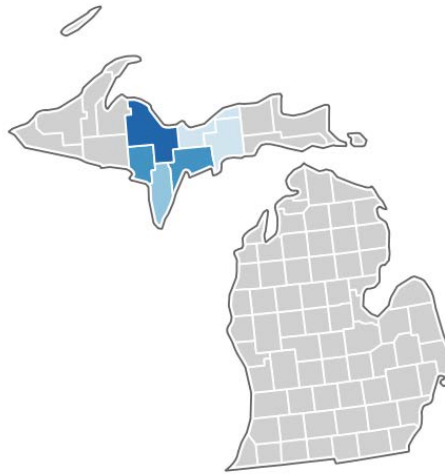
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Educational Policy Committee  
March 18, 2013



## Report Info

Dataset Version	2013.1
Timeframe	2012 - 2020
Dataset Category	EMSI Complete
Region Name	CUPPAD
Region Description	CUPPAD - Central Upper Peninsula Planning and Development Regional Commission
Counties	Alger, MI (26003)
	Delta, MI (26041)
	Dickinson, MI (26043)
	Marquette, MI (26103)
	Menominee, MI (26109)
	Schoolcraft, MI (26153)



















## CUPPAD



Population (2012)	173,046
Jobs (2012)	86,677
Average Earnings (2012)	\$40,932
Unemployed (11/2012)	5,618
Completions (2011)	2,286
GRP (2012)	\$5,877,887,800
Exports (2012)	\$9,509,489,683
Imports (2012)	\$9,570,534,789






















## CUPPAD | Population

<b>173,046</b> 2012 Population 1.8% of State	<b>-0.3%</b> Population Growth for the Last 5 Years State Growth -1.4%
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Age Group	2012 Population	% of Population	
Under 5 years	8,642	5.0%	
5 to 9 years	9,104	5.3%	
10 to 14 years	9,638	5.6%	
15 to 19 years	11,362	6.6%	
20 to 24 years	12,171	7.0%	
25 to 29 years	9,393	5.4%	
30 to 34 years	9,578	5.5%	
35 to 39 years	8,458	4.9%	
40 to 44 years	10,022	5.8%	
45 to 49 years	11,423	6.6%	
50 to 54 years	13,811	8.0%	
55 to 59 years	14,708	8.5%	
60 to 64 years	13,014	7.5%	
65 to 69 years	9,424	5.4%	
70 to 74 years	7,333	4.2%	
75 to 79 years	5,552	3.2%	
80 to 84 years	4,622	2.7%	
85 years and over	4,793	2.8%	

## CUPPAD | Jobs by Industry

<b>86,677</b> Total Jobs (2012)	<b>51.8%</b> Male (National: 52.2%)	<b>48.2%</b> Female (National: 47.8%)
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NAICS	Industry	2012 Jobs	
11	Agriculture, Forestry, Fishing and Hunting	2,039	
21	Mining, Quarrying, and Oil and Gas Extraction	1,792	
22	Utilities	516	
23	Construction	4,953	
31-33	Manufacturing	8,213	
42	Wholesale Trade	1,567	
44-45	Retail Trade	10,643	
48-49	Transportation and Warehousing	2,479	
51	Information	1,105	
52	Finance and Insurance	3,624	
53	Real Estate and Rental and Leasing	3,036	
54	Professional, Scientific, and Technical Services	3,295	
55	Management of Companies and Enterprises	225	
56	Administrative and Support and Waste Management and Remediation Services	2,748	
61	Educational Services (Private)	870	
62	Health Care and Social Assistance	10,652	
71	Arts, Entertainment, and Recreation	1,444	
72	Accommodation and Food Services	7,121	
81	Other Services (except Public Administration)	5,192	
90	Government	15,128	
99	Unclassified Industry	36	

## CUPPAD | Average Earnings by Industry






















<b>\$40,932</b> <b>Avg. Earnings (2012)</b> 80% of Nation Avg.	<b>\$50,207</b> <b>Male Avg. Earnings (2012)</b> 82% of Nation Avg.	<b>\$30,953</b> <b>Female Avg. Earnings (2012)</b> 78% of Nation Avg.
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NAICS	Industry	Avg. Earnings (2012)	
11	Agriculture, Forestry, Fishing and Hunting	\$26,953	
21	Mining, Quarrying, and Oil and Gas Extraction	\$121,836	
22	Utilities	\$116,399	
23	Construction	\$47,912	
31-33	Manufacturing	\$65,798	
42	Wholesale Trade	\$51,359	
44-45	Retail Trade	\$23,551	
48-49	Transportation and Warehousing	\$46,381	
51	Information	\$36,761	
52	Finance and Insurance	\$37,011	
53	Real Estate and Rental and Leasing	\$14,833	
54	Professional, Scientific, and Technical Services	\$32,653	
55	Management of Companies and Enterprises	\$67,547	
56	Administrative and Support and Waste Management and Remediation Services	\$22,541	
61	Educational Services (Private)	\$13,210	
62	Health Care and Social Assistance	\$48,581	
71	Arts, Entertainment, and Recreation	\$12,102	
72	Accommodation and Food Services	\$13,333	
81	Other Services (except Public Administration)	\$18,685	
90	Government	\$55,996	
99	Unclassified Industry	\$20,307	







## CUPPAD | Unemployment by Industry

**5,618**

**Total Unemployment (11/2012)**



















NAICS	Industry	Unemployed (11/2012)	% of Unemployed	
11	Agriculture, Forestry, Fishing and Hunting	50	1%	
21	Mining, Quarrying, and Oil and Gas Extraction	244	4%	
22	Utilities	11	0%	
23	Construction	684	12%	
31-33	Manufacturing	663	12%	
42	Wholesale Trade	62	1%	
44-45	Retail Trade	585	10%	
48-49	Transportation and Warehousing	153	3%	
51	Information	56	1%	
52	Finance and Insurance	106	2%	
53	Real Estate and Rental and Leasing	50	1%	
54	Professional, Scientific, and Technical Services	80	1%	
55	Management of Companies and Enterprises	5	0%	
56	Administrative and Support and Waste Management and Remediation Services	167	3%	
61	Educational Services (Private)	49	1%	
62	Health Care and Social Assistance	393	7%	
71	Arts, Entertainment, and Recreation	153	3%	
72	Accommodation and Food Services	516	9%	
81	Other Services (except Public Administration)	272	5%	
90	Government	553	10%	
99	No Previous Work Experience/Unspecified	766	14%	

## CUPPAD | Top Program Completions

CIP	Program	Completions (2011)	
51	Health professions and related programs	464	
52	Business, management, marketing, and related support services	290	
13	Education	182	
15	Engineering technologies and engineering-related fields	146	
43	Homeland security, law enforcement, firefighting and related protective services	131	
24	Liberal arts and sciences, general studies and humanities	118	
23	English language and literature/letters	97	
50	Visual and performing arts	92	
45	Social sciences	92	
26	Biological and biomedical sciences	91	

## CUPPAD | Gross Regional Product (GRP)

<b>\$3,534,317,348</b>	<b>\$1,771,784,366</b>	<b>\$452,713,345</b>	<b>\$5,758,815,060</b>
Earnings (2011)	Property Income (2011)	Taxes on Production (2011)	Total GRP (2011)

NAICS	Industry	GRP (2011)	% of Total	
11	Agriculture, Forestry, Fishing and Hunting	\$95,234,554	2%	
21	Mining, Quarrying, and Oil and Gas Extraction	\$605,604,492	11%	
22	Utilities	\$231,631,393	4%	
23	Construction	\$270,618,198	5%	
31-33	Manufacturing	\$890,334,501	15%	
42	Wholesale Trade	\$171,839,760	3%	
44-45	Retail Trade	\$413,198,124	7%	
48-49	Transportation and Warehousing	\$163,879,462	3%	
51	Information	\$111,353,220	2%	
52	Finance and Insurance	\$254,589,371	4%	
53	Real Estate and Rental and Leasing	\$169,865,308	3%	
54	Professional, Scientific, and Technical Services	\$141,828,077	2%	
55	Management of Companies and Enterprises	\$17,364,657	0%	
56	Administrative and Support and Waste Management and Remediation Services	\$81,132,095	1%	
61	Educational Services (Private)	\$12,382,020	0%	
62	Health Care and Social Assistance	\$535,417,034	9%	
71	Arts, Entertainment, and Recreation	\$26,437,344	0%	
72	Accommodation and Food Services	\$147,897,442	3%	
81	Other Services (except Public Administration)	\$110,650,541	2%	
90	Government	\$921,479,652	16%	
	Other non-industries	\$386,077,816	7%	























## CUPPAD | Region Exports

**\$9,358,185,264.26**





















Exports (2011)

72% of Supply

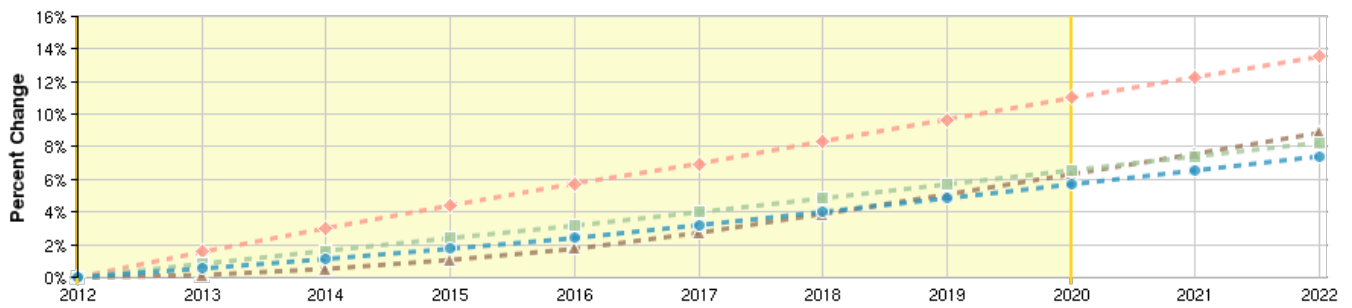
NAICS	Industry	Exports (2011)	
11	Agriculture, Forestry, Fishing and Hunting	\$194,150,151	
21	Mining, Quarrying, and Oil and Gas Extraction	\$1,412,316,177	
22	Utilities	\$166,794,584	
23	Construction	\$303,032,886	
31-33	Manufacturing	\$2,511,753,546	
42	Wholesale Trade	\$186,663,037	
44-45	Retail Trade	\$280,418,113	
48-49	Transportation and Warehousing	\$258,351,982	
51	Information	\$97,766,560	
52	Finance and Insurance	\$235,891,066	
53	Real Estate and Rental and Leasing	\$79,077,271	
54	Professional, Scientific, and Technical Services	\$81,627,563	
55	Management of Companies and Enterprises	\$21,970,304	
56	Administrative and Support and Waste Management and Remediation Services	\$65,216,046	
61	Educational Services (Private)	\$3,728,649	
62	Health Care and Social Assistance	\$481,969,580	
71	Arts, Entertainment, and Recreation	\$18,085,220	
72	Accommodation and Food Services	\$119,683,265	
81	Other Services (except Public Administration)	\$77,815,558	
90	Government	\$2,761,873,708	

## CUPPAD | Region Imports

<b>\$9,390,624,164</b> <b>Imports (2011)</b> 72% of Demand	<b>\$3,685,126,751</b> <b>Locally Produced &amp; Consumed (2011)</b> 28% of Demand
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NAICS	Industry	Imports (2011)	
11	Agriculture, Forestry, Fishing and Hunting	\$108,891,603	
21	Mining, Quarrying, and Oil and Gas Extraction	\$210,840,942	
22	Utilities	\$214,140,360	
23	Construction	\$240,771,806	
31-33	Manufacturing	\$2,305,065,474	
42	Wholesale Trade	\$469,108,518	
44-45	Retail Trade	\$251,862,934	
48-49	Transportation and Warehousing	\$289,435,523	
51	Information	\$306,724,563	
52	Finance and Insurance	\$583,364,838	
53	Real Estate and Rental and Leasing	\$387,530,426	
54	Professional, Scientific, and Technical Services	\$407,343,416	
55	Management of Companies and Enterprises	\$179,511,745	
56	Administrative and Support and Waste Management and Remediation Services	\$179,541,369	
61	Educational Services (Private)	\$96,919,530	
62	Health Care and Social Assistance	\$389,874,604	
71	Arts, Entertainment, and Recreation	\$64,268,904	
72	Accommodation and Food Services	\$157,879,901	
81	Other Services (except Public Administration)	\$102,107,304	
90	Government	\$2,445,440,404	

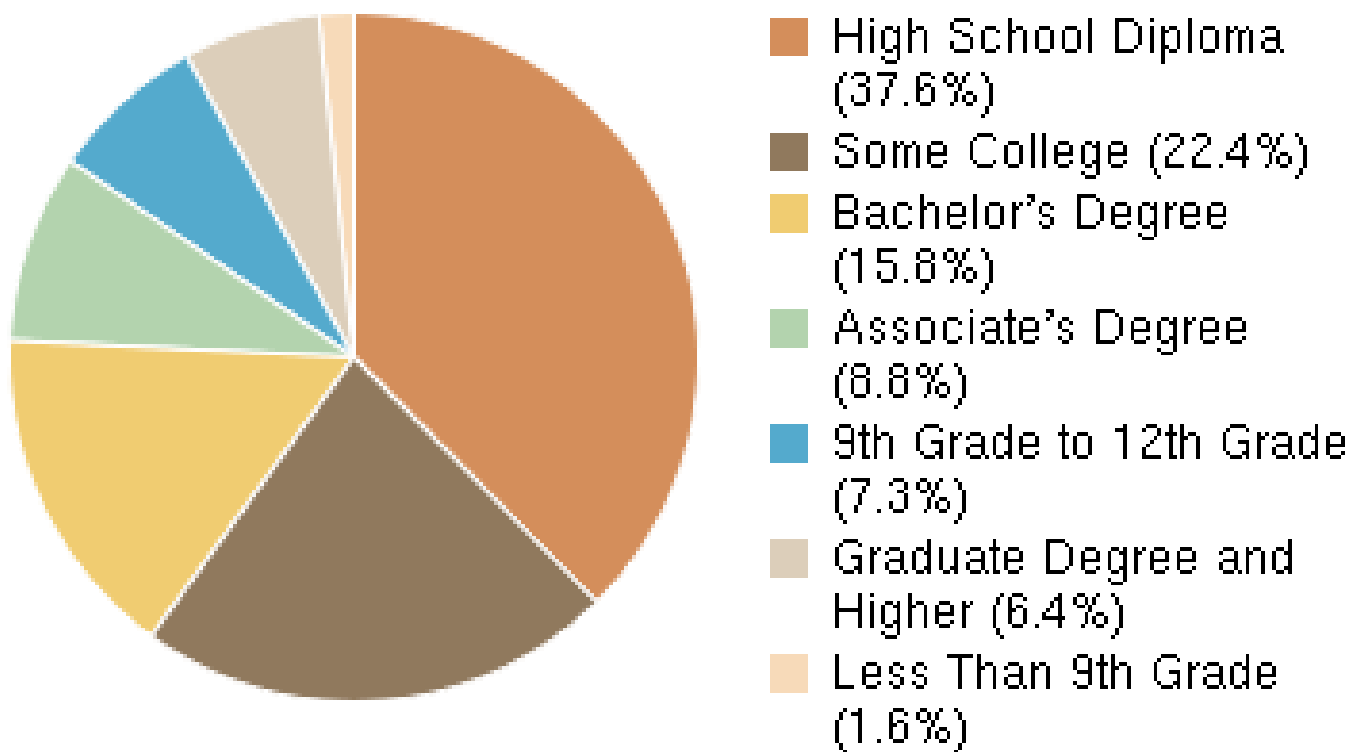
## Regional Trends



Region	2012 Jobs	2020 Jobs	% Change
● CUPPAD	86,677	91,613	5.7%
● UP 15 Counties	150,258	160,112	6.6%
● Michigan	5,000,107	5,315,798	6.3%
● Nation	179,159,830	198,857,122	11.0%

## Educational Attainment

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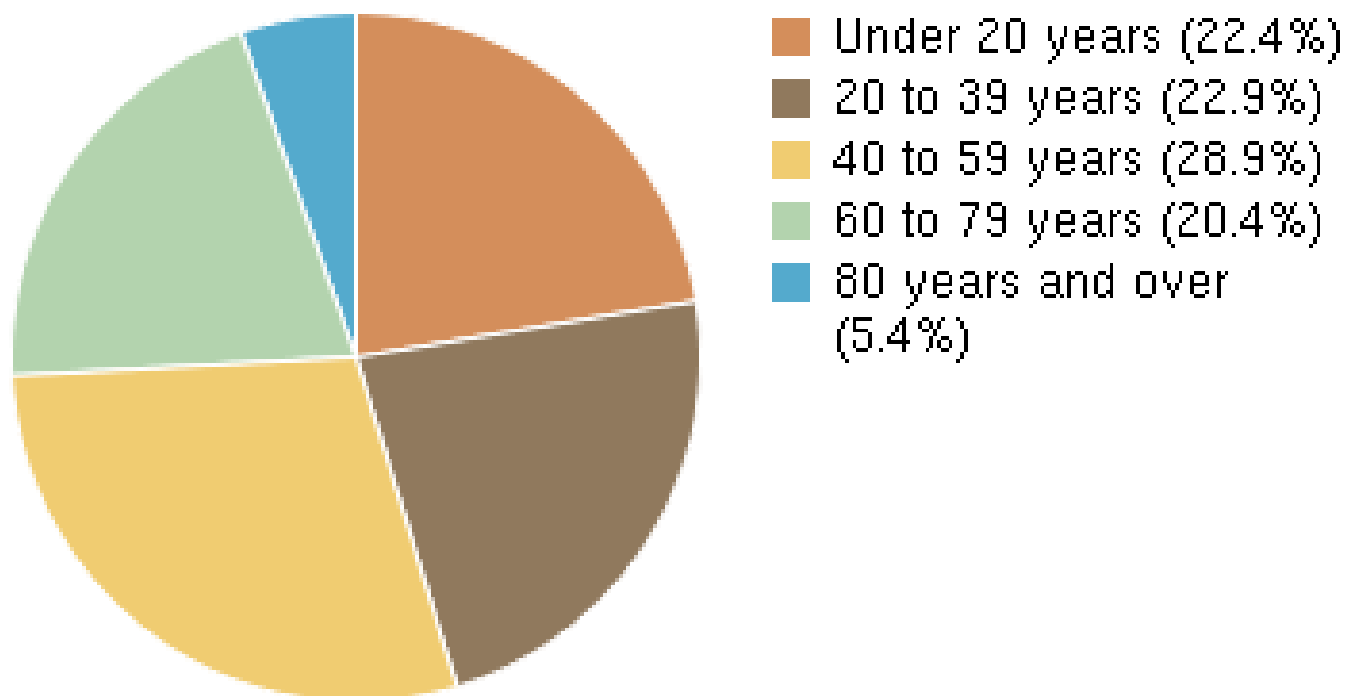
## Largest Openings/Completions Gaps

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<b>Occupation</b>	<b>Related Completions (2011)</b>	<b>Annual Openings (2012)</b>
Securities, Commodities, and Financial Services Sales Agents (41-3031)	3	37
Personal Financial Advisors (13-2052)	22	51
Graphic Designers (27-1024)	0	9
Mechanical Engineers (17-2141)	0	8
Airline Pilots, Copilots, and Flight Engineers (53-2011)	0	7

## Age Demographics

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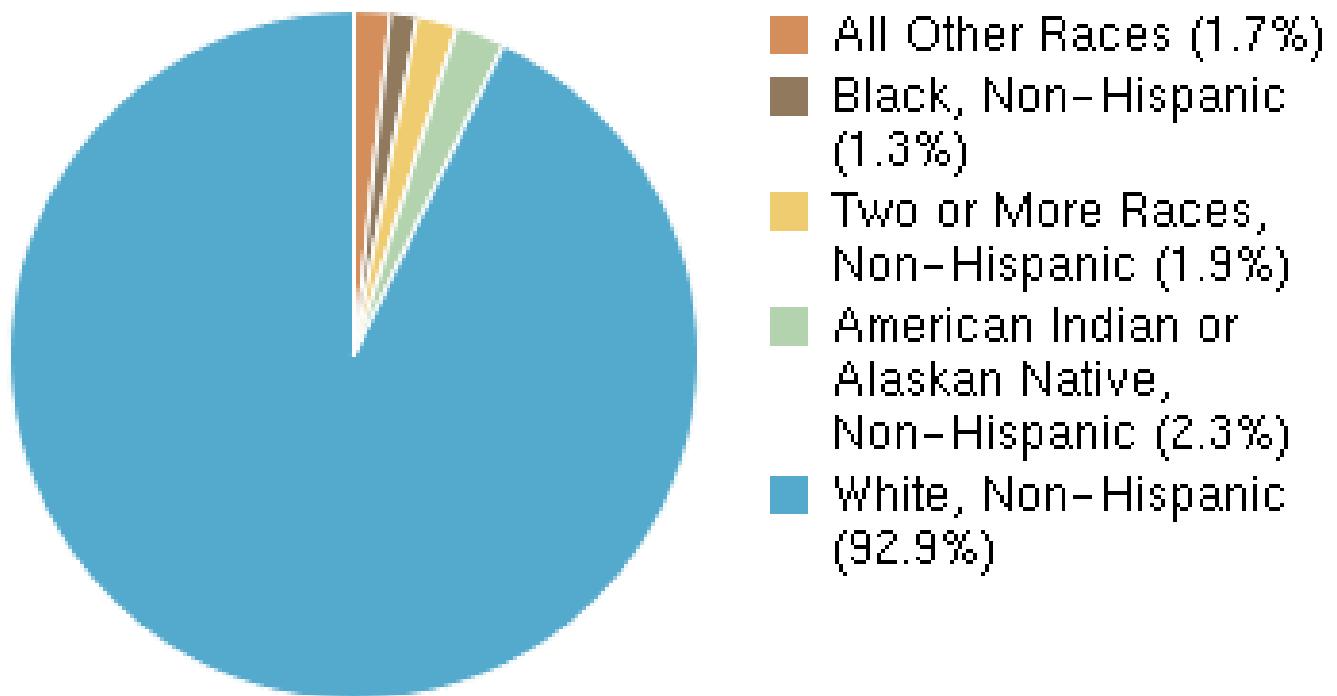
## Growing/Declining Occupations

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<b>Occupation</b>	<b>Change in Jobs (2012-2020)</b>
Home Health Aides (31-1011)	233
Personal Financial Advisors (13-2052)	231
Combined Food Preparation and Serving Workers, Including Fast Food (35-3021)	208
Paper Goods Machine Setters, Operators, and Tenders (51-9196)	-111
Childcare Workers (39-9011)	-130
Door-to-Door Sales Workers, News and Street Vendors, and Related Workers (41-9091)	-178

## Race Demographics

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## Growing/Declining Industries

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Industry	Change in Jobs (2012-2020)
Warehouse Clubs and Supercenters (452910)	456
Temporary Help Services (561320)	374
Full-Service Restaurants (722110)	306
Paper (except Newsprint) Mills (322121)	-216
Offices of Real Estate Agents and Brokers (531210)	-232
Household Vacuum Cleaner Manufacturing (335212)	-269

## Top Regional Businesses

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Business Name	Local Employees (2011)
Marquette General / Duke LifePoint Hospital (Marquette County)	2,619
Cliff's Natural Resources (Marquette County)	1,722
New Page (Delta County)	1,100
Northern Michigan University (Marquette County)	927
Bay Area Medical Center (Menominee County)	760

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Source:  
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## Data Sources and Calculations

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### Input-Output Data

The input-output model in this report is created using the national Input-Output matrix provided by the federal Bureau of Economic Analysis. This is combined with the national Total Gross Output, the regional Total Gross Output, the land area of the subject region, regional DIRT data and regional in/out commuter patterns in order to calculate regional requirements, imports and exports. After using matrix algebra to calculate the regional multiplier, the resulting matrix is multiplied by the sales vector and converted back to jobs or earnings. Specifically, this data comes from the U.S. Department of Commerce, Bureau of Economic Analysis, Industry Economic Accounts: Benchmark & Annual Input-Output (I-O) Accounts.

### Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

### Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

### Demographic Data

The demographic data in this report is compiled from several sources using a specialized process. Sources include US Census Bureau annual estimates, birth and mortality rates from the US Health Department, and projected regional job growth.

### Unemployment Data

The unemployment data in this report comes from the Bureau of Labor Statistics' Local Area Unemployment Statistics and is updated every two months.

### State Data Sources

This report uses state data from the following agencies: Michigan Department of Labor and Economic Growth, Bureau of Labor Market Information and Strategic Initiatives

### Educational Attainment Data

EMSI's educational attainment numbers are based on Census 1990, Census 2000, the Current Population Survey, and EMSI's demographic data. By combining these sources, EMSI interpolates for missing years and projects data at the county level. Educational attainment data cover only the population aged 25 years or more and indicate the highest level achieved.

### Equifax Business List Data

Data for individual businesses is provided by Equifax (<http://www.equifax.com/commercial/>), which maintains a database of more than 20 million U.S. business entities. Note that in aggregate it will not be consistent with EMSI labor market data due to differences in definitions, methodology, coverage, and classification.

### Equifax Business-Level Data

Data for individual businesses is provided by Equifax (<http://www.equifax.com/commercial/>), which maintains a database of more than 20 million U.S. business entities. Note that in aggregate it will not be consistent with EMSI labor market data due to differences in definitions, methodology, coverage, and industry/geographic classification.