

Regional Comparison by Industry

Comparing Manufacturing across 10 Regions

Emsi Q3 2017 Data Set

May 2018



Parameters

Industries

Code	Description
31-33	Manufacturing

Region

Code	Description	Level
3528052	Norfolk County	CSD
3529	Brant	CD
3536	Chatham-Kent	CD
3534	Elgin	CD
3528018	Haldimand County	CSD
3525	Hamilton	CD
3539	Middlesex	CD
3526	Niagara	CD
3532	Oxford	CD
3530	Waterloo	CD

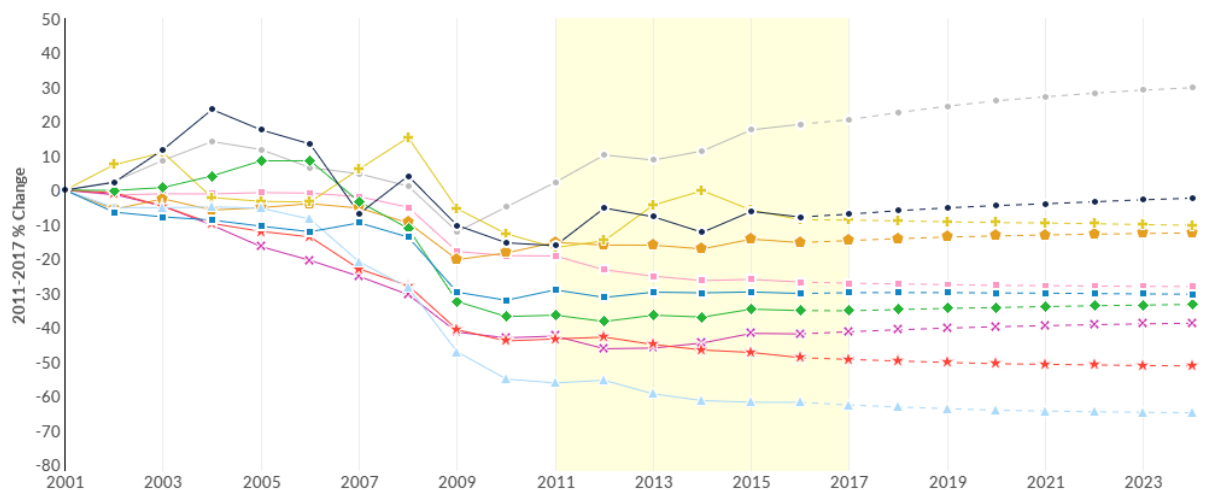
Timeframe

2011 - 2017

Datarun

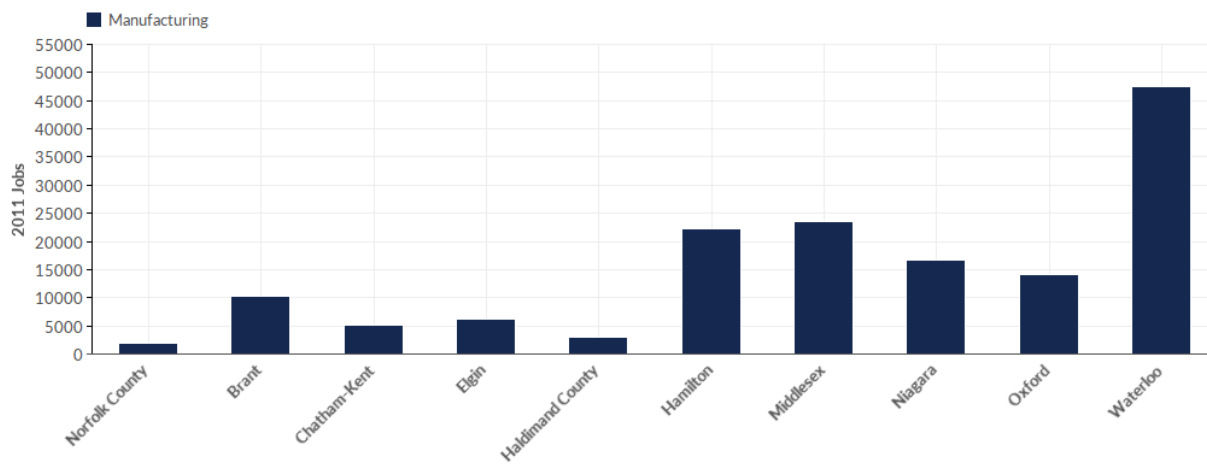
2017.3 - Employees

Industry Change Summary



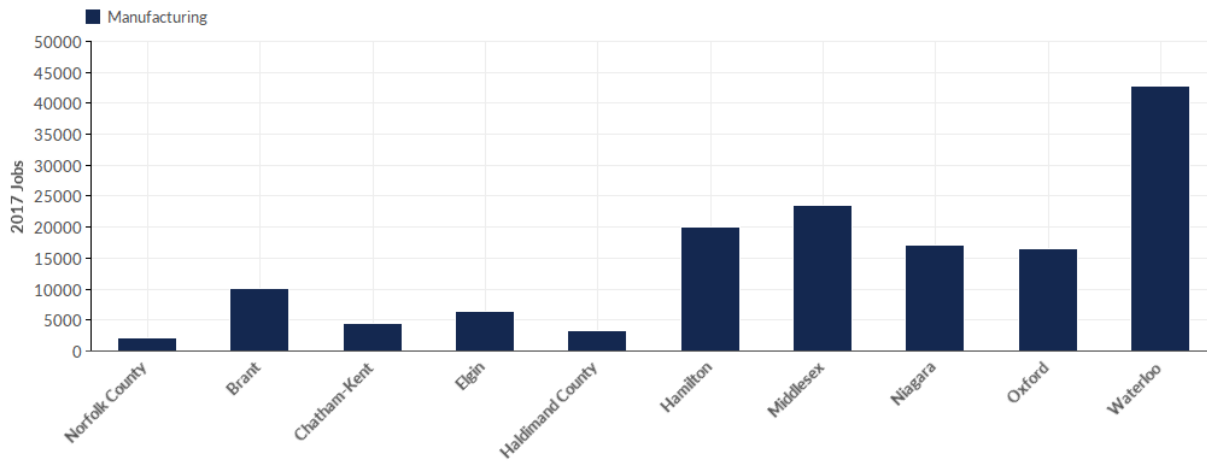
Region	2011 Jobs	2017 Jobs	Change	% Change	2016 Average Wages
● Norfolk County	1,982	2,200	218	11%	\$44,338
■ Brant	10,268	10,148	-120	-1%	\$51,793
▲ Chatham-Kent	5,239	4,467	-772	-15%	\$50,475
◆ Elgin	6,260	6,386	126	2%	\$52,511
+ Haldimand County	3,051	3,346	295	10%	\$63,924
★ Hamilton	22,304	19,949	-2,355	-11%	\$60,026
⬢ Middlesex	23,489	23,632	143	1%	\$57,324
✖ Niagara	16,728	17,097	369	2%	\$53,367
● Oxford	14,108	16,630	2,522	18%	\$58,240
■ Waterloo	47,540	42,867	-4,673	-10%	\$57,773

Industry Breakdown - 2011 Jobs



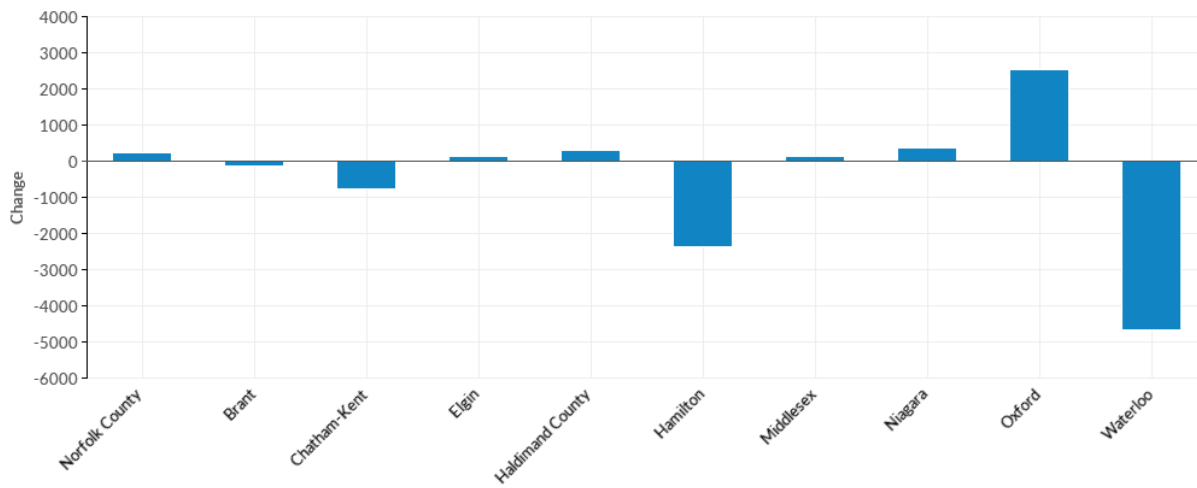
Industry	Description	Norfolk County	Brant	Chatham-Kent	Elgin	Haldimand County	Hamilton	Middlesex	Niagara	Oxford	Waterloo
31-33	Manufacturing	1,982	10,268	5,239	6,260	3,051	22,304	23,489	16,728	14,108	47,540
	Total	1,982	10,268	5,239	6,260	3,051	22,304	23,489	16,728	14,108	47,540

Industry Breakdown - 2017 Jobs



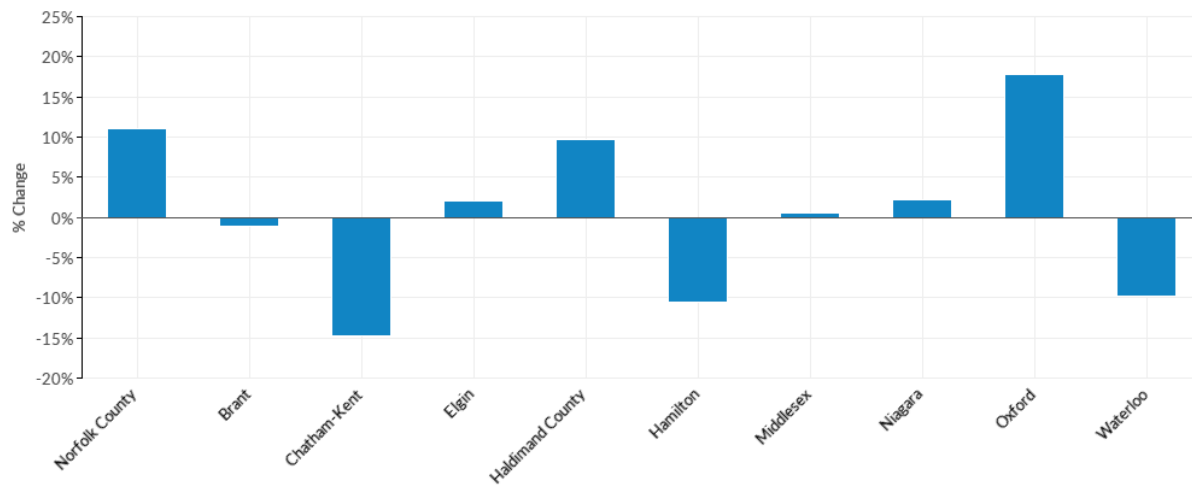
Industry	Description	Norfolk County	Brant	Chatham-Kent	Elgin	Haldimand County	Hamilton	Middlesex	Niagara	Oxford	Waterloo
31-33	Manufacturing	2,200	10,148	4,467	6,386	3,346	19,949	23,632	17,097	16,630	42,867
	Total	2,200	10,148	4,467	6,386	3,346	19,949	23,632	17,097	16,630	42,867

Industry Breakdown - Change



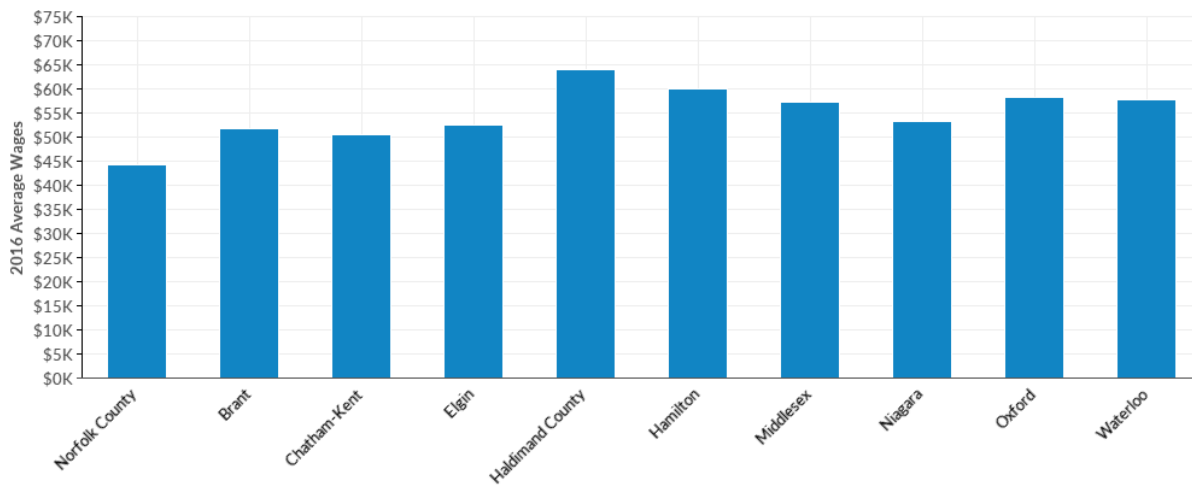
Industry	Description	Norfolk County	Brant	Chatham-Kent	Elgin	Haldimand County	Hamilton	Middlesex	Niagara	Oxford	Waterloo
31-33	Manufacturing	218	-120	-772	126	295	-2,355	143	369	2,522	-4,673
	Total	218	-120	-772	126	295	-2,355	143	369	2,522	-4,673

Industry Breakdown - % Change



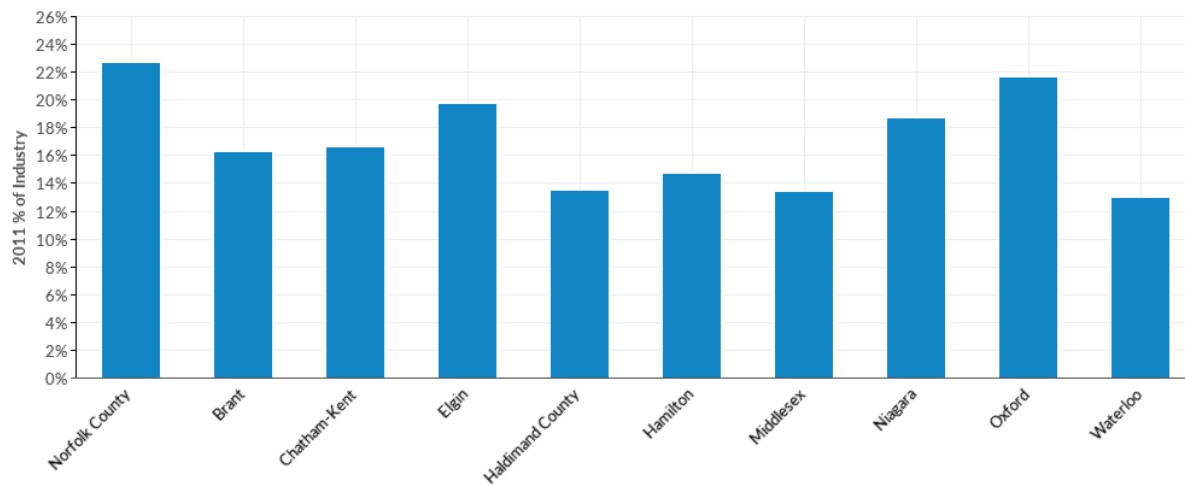
Industry	Description	Norfolk County	Brant	Chatham-Kent	Elgin	Haldimand County	Hamilton	Middlesex	Niagara	Oxford	Waterloo
31-33	Manufacturing	11%	-1%	-15%	2%	10%	-11%	1%	2%	18%	-10%
	Total	11%	-1%	-15%	2%	10%	-11%	1%	2%	18%	-10%

Industry Breakdown - 2016 Average Wages



Industry	Description	Norfolk County	Brant	Chatham-Kent	Elgin	Haldimand County	Hamilton	Middlesex	Niagara	Oxford	Waterloo
31-33	Manufacturing	\$44,338	\$51,793	\$50,475	\$52,511	\$63,924	\$60,026	\$57,324	\$53,367	\$58,240	\$57,773
	Total	\$44,338	\$51,793	\$50,475	\$52,511	\$63,924	\$60,026	\$57,324	\$53,367	\$58,240	\$57,773

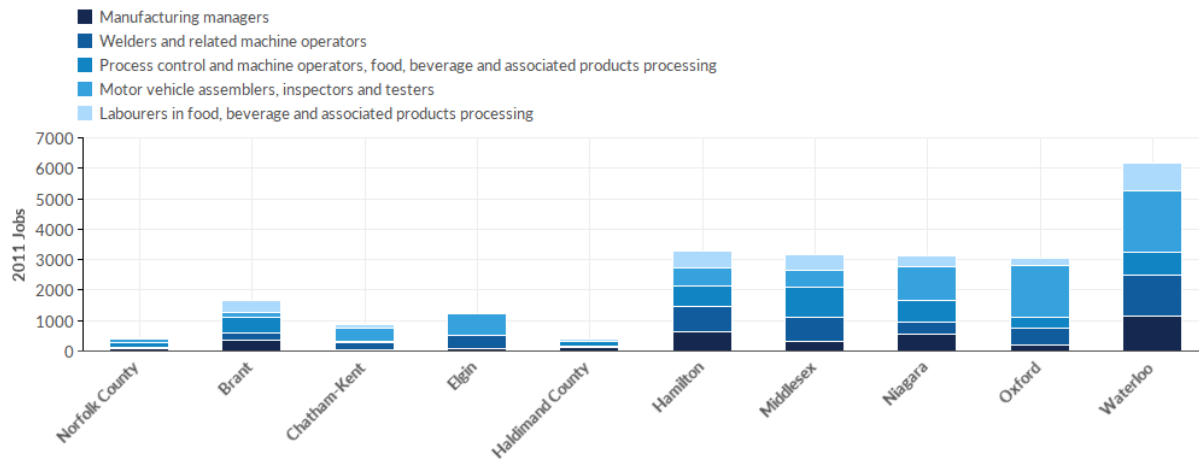
Top Occupations - 2011 % of Industry



NOC Code	Description	Norfolk County	Brant	Chatham-Kent	Elgin	Haldimand County	Hamilton	Middlesex	Niagara	Oxford	Waterloo
9461	Process control and machine operators, food, beverage and associated products processing	6%	5%	1%	0%	5%	3%	4%	4%	2%	2%
9522	Motor vehicle assemblers, inspectors and testers	6%	1%	8%	11%	0%	3%	2%	6%	12%	12%
7237	Welders and related machine operators	4%	2%	4%	7%	2%	4%	3%	2%	4%	4%
9617	Labourers in food, beverage and associated products processing	3%	4%	2%	0%	3%	3%	2%	2%	2%	2%
0911	Manufacturing managers	3%	3%	1%	1%	3%	3%	1%	3%	1%	1%
	Total	23%	16%	17%	20%	14%	15%	13%	19%	22%	22%

Source: Employees - Emsi 2017.3

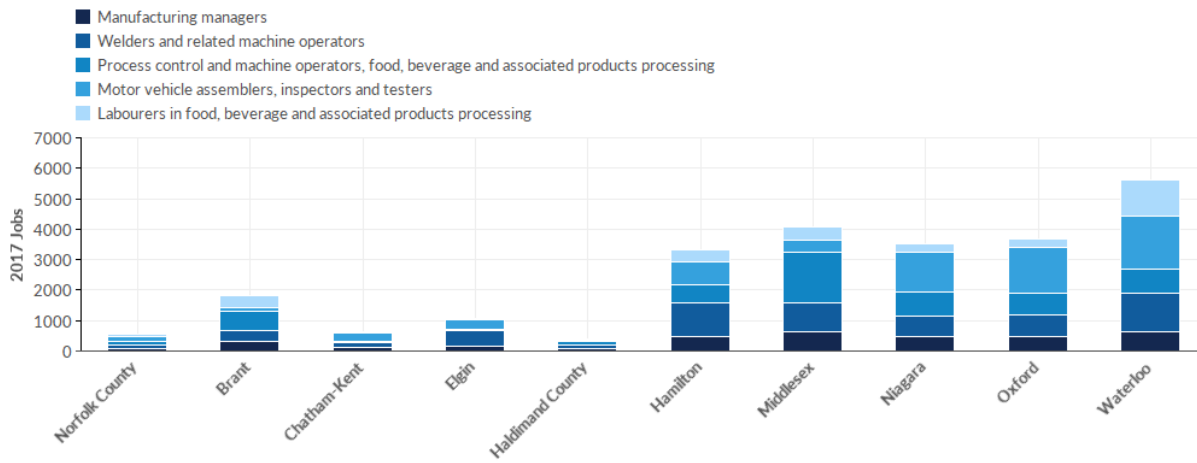
Top Occupations - 2011 Jobs



NOC Code	Description	Norfolk County	Brant	Chatham-Kent	Elgin	Haldimand County	Hamilton	Middlesex	Niagara	Oxford	Total
9461	Process control and machine operators, food, beverage and associated products processing	128	526	55	20	157	670	974	719	334	3,283
9522	Motor vehicle assemblers, inspectors and testers	118	152	441	685	<10	596	572	1,086	1,723	5,331
7237	Welders and related machine operators	71	227	218	434	53	800	799	413	581	3,176
9617	Labourers in food, beverage and associated products processing	69	409	101	18	94	563	502	367	232	2,285
0911	Manufacturing managers	64	356	57	78	100	649	314	547	187	2,292
	Total	450	1,671	871	1,235	413	3,279	3,161	3,132	3,057	20,038

Source: Employees - Emsi 2017.3

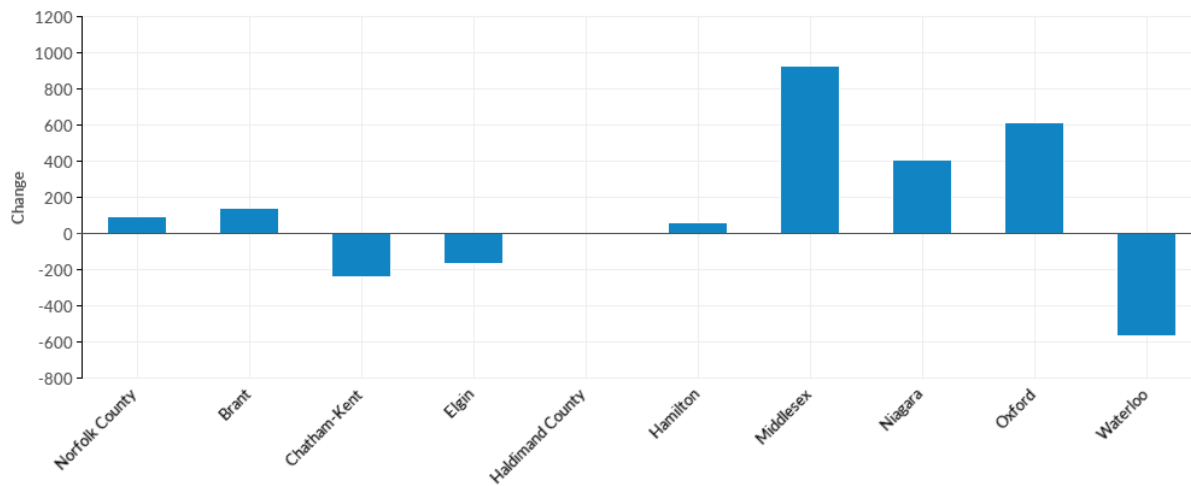
Top Occupations - 2017 Jobs



NOC Code	Description	Norfolk County	Brant	Chatham-Kent	Elgin	Haldimand County	Hamilton	Middlesex	Niagara	Oxford
9522	Motor vehicle assemblers, inspectors and testers	170	115	280	307	<10	764	419	1,292	1,511
9461	Process control and machine operators, food, beverage and associated products processing	132	656	41	60	155	578	1,657	772	692
7237	Welders and related machine operators	115	323	127	489	89	1,113	924	675	714
0911	Manufacturing managers	69	331	138	177	92	476	644	484	473
9617	Labourers in food, beverage and associated products processing	57	389	42	32	70	408	443	314	279
	Total	543	1,813	628	1,065	413	3,339	4,087	3,537	3,669

Source: Employees - Emsi 2017.3

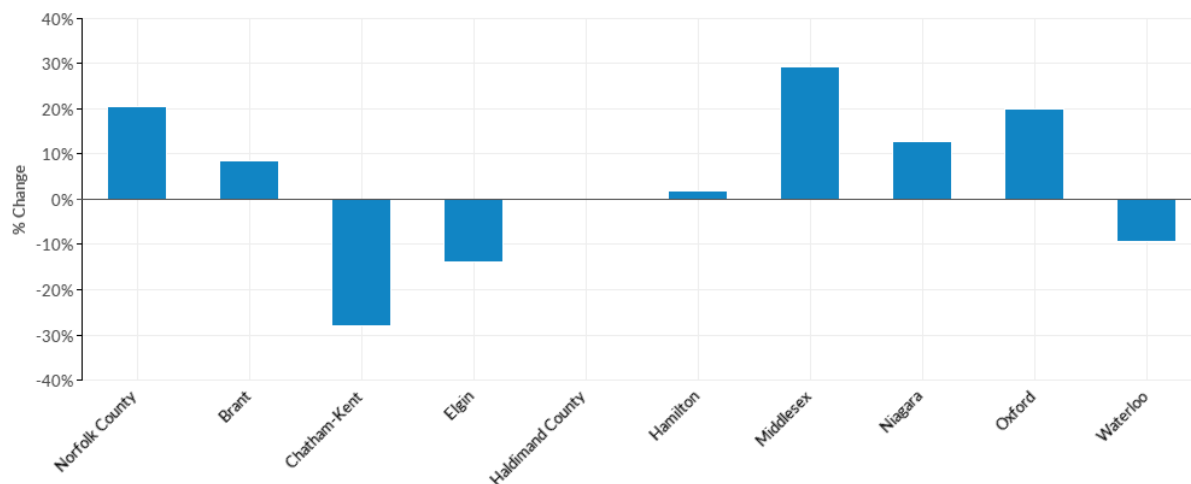
Top Occupations - Change



NOC Code	Description	Norfolk County	Brant	Chatham-Kent	Elgin	Haldimand County	Hamilton	Middlesex	Niagara	Oxford	V
9522	Motor vehicle assemblers, inspectors and testers	52	-37	-161	-378	--	168	-153	206	-212	
7237	Welders and related machine operators	44	96	-91	55	36	313	125	262	133	
0911	Manufacturing managers	5	-25	81	99	-8	-173	330	-63	286	
9461	Process control and machine operators, food, beverage and associated products processing	4	130	-14	40	-2	-92	683	53	358	
9617	Labourers in food, beverage and associated products processing	-12	-20	-59	14	-24	-155	-59	-53	47	
	Total	93	142	-243	-170	0	60	926	405	612	

Source: Employees - Emsi 2017.3

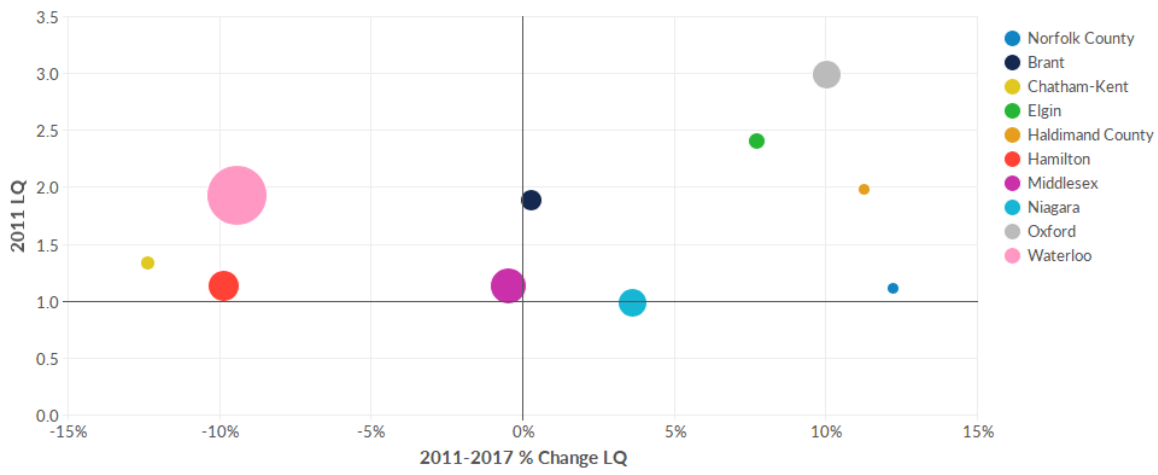
Top Occupations - % Change



NOC Code	Description	Norfolk County	Brant	Chatham-Kent	Elgin	Haldimand County	Hamilton	Middlesex	Niagara	Oxford
7237	Welders and related machine operators	62%	42%	-42%	13%	68%	39%	16%	63%	23%
9522	Motor vehicle assemblers, inspectors and testers	44%	-24%	-37%	-55%	--	28%	-27%	19%	-12%
0911	Manufacturing managers	8%	-7%	142%	127%	-8%	-27%	105%	-12%	153%
9461	Process control and machine operators, food, beverage and associated products processing	3%	25%	-25%	200%	-1%	-14%	70%	7%	107%
9617	Labourers in food, beverage and associated products processing	-17%	-5%	-58%	78%	-26%	-28%	-12%	-14%	20%
	Total	21%	8%	-28%	-14%	0%	2%	29%	13%	20%

Source: Employees - Emsi 2017.3

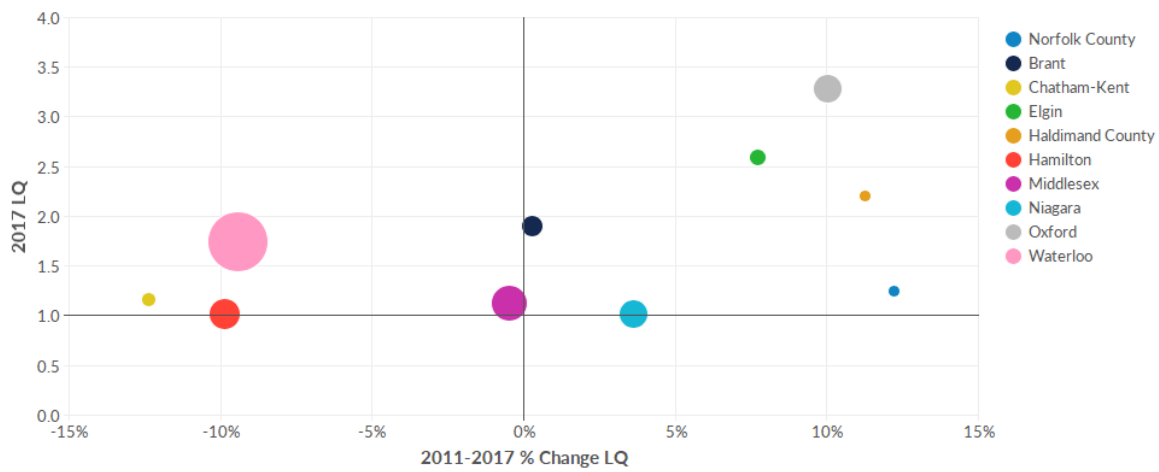
Location Quotient Breakdown - 2011 National LQ



Industry	Description	Norfolk County	Brant	Chatham-Kent	Elgin	Haldimand County	Hamilton	Middlesex	Niagara	Oxford
31-33	Manufacturing	1.11	1.89	1.33	2.41	1.99	1.13	1.14	0.99	2.99
	Total	1.11	1.89	1.33	2.41	1.99	1.13	1.14	0.99	2.99

Source: Employees - Emsi 2017.3

Location Quotient Breakdown - 2017 National LQ

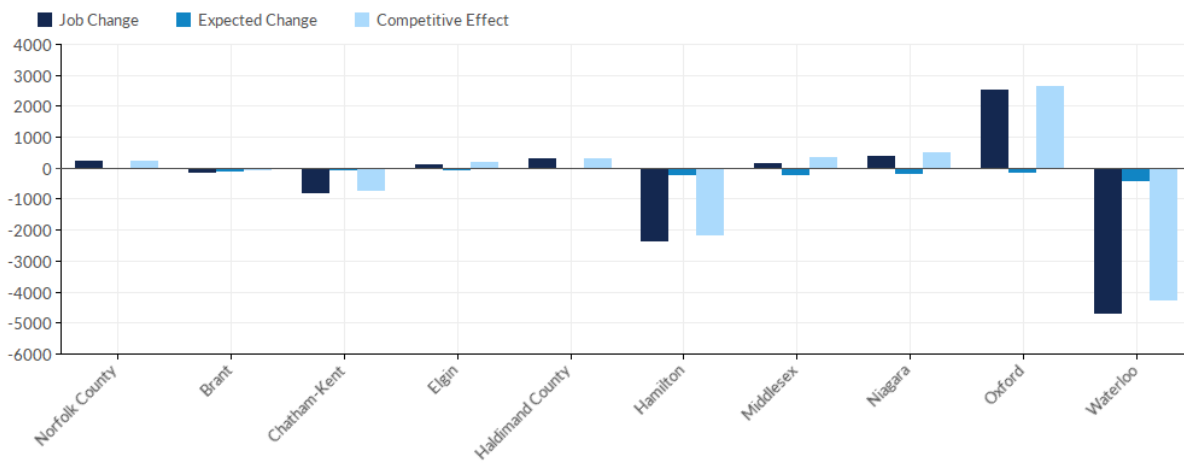


*Bubble size represents 2017 jobs in each region.

Industry	Description	Norfolk County	Brant	Chatham-Kent	Elgin	Haldimand County	Hamilton	Middlesex	Niagara	Oxford
31-33	Manufacturing	1.25	1.90	1.17	2.59	2.21	1.02	1.13	1.02	3.29
	Total	1.25	1.90	1.17	2.59	2.21	1.02	1.13	1.02	3.29

Source: Employees - Emsi 2017.3

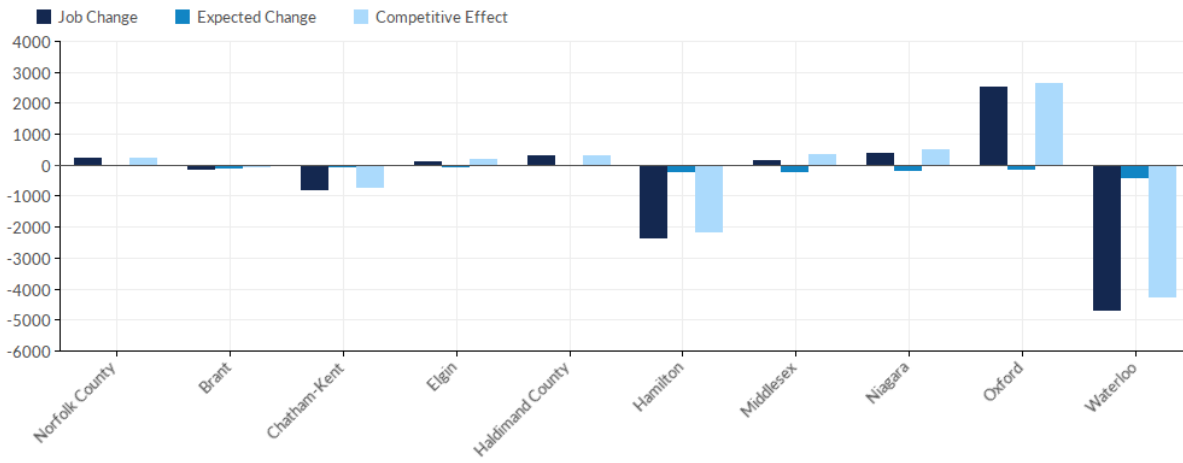
Shift Share Breakdown - Job Change



Industry	Description	Norfolk County	Brant	Chatham-Kent	Elgin	Haldimand County	Hamilton	Middlesex	Niagara	Oxford
31-33	Manufacturing	218	-120	-771	125	294	-2,355	143	370	2,522
	Total	218	-120	-771	125	294	-2,355	143	370	2,522

Source: Employees - Emsi 2017.3

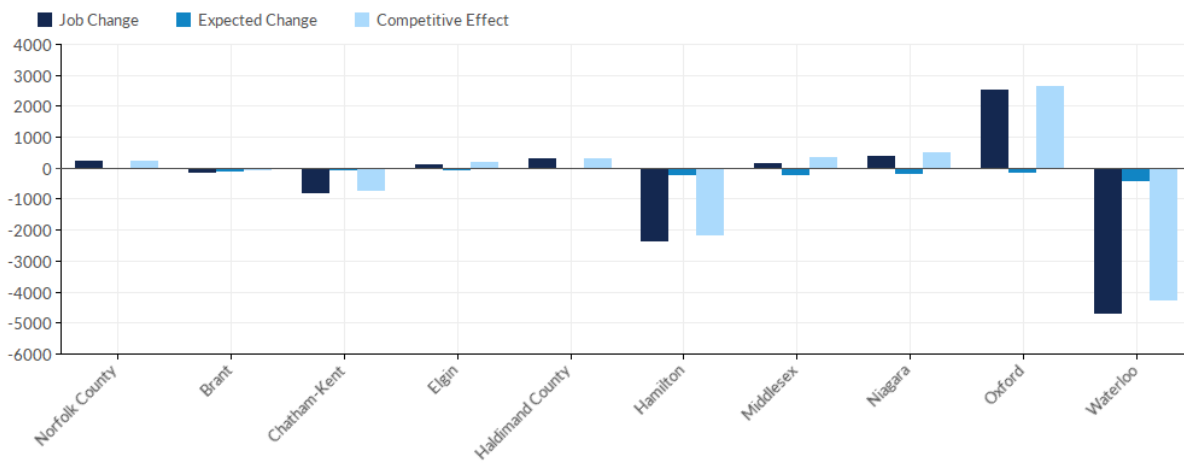
Shift Share Breakdown - Expected Change



Industry	Description	Norfolk County	Brant	Chatham-Kent	Elgin	Haldimand County	Hamilton	Middlesex	Niagara	Oxford
31-33	Manufacturing	-17	-89	-45	-54	-26	-193	-204	-145	-122
	Total	-17	-89	-45	-54	-26	-193	-204	-145	-122

Source: Employees - Emsi 2017.3

Shift Share Breakdown - Competitive Effect



Industry	Description	Norfolk County	Brant	Chatham-Kent	Elgin	Haldimand County	Hamilton	Middlesex	Niagara	Oxford
31-33	Manufacturing	235	-31	-726	180	321	-2,162	347	515	2,644
	Total	235	-31	-726	180	321	-2,162	347	515	2,644

Source: Employees - Emsi 2017.3

Appendix A - Data Sources and Calculations

Industry Data

In order to capture a complete picture of industry employment, Emsi combines employment data from Survey of Employment, Payrolls and Hours (SEPH) with data from the Labour Force Survey (LFS), Census, and Canadian Business Patterns (CBP) to form detailed geographic estimates of employment. Projections are based on the latest available Emsi industry data, 10-year past local trends in each industry and growth rates from national industry projections from the Canadian Occupational Projection System (COPS) produced by Human Resources and Skills Development Canada.

Staffing Patterns Data

The staffing patterns data in this report is compiled from several sources using a specialized process. Sources include the Labour Force Survey (LFS) and the Census. Emsi uses ratios from the Census and inputs regional jobs by industry, converting these to jobs by occupation. The ratios derived from this are adjusted to equal actual regional data, resulting in a unique regional staffing pattern.