

# Ontario Labour Market Report

CIP Program 51.22: Public Health

Most Relevant Academic Program(s) at Brock: Public Health, Community Health & Child Health

EMSI Q3 2016 Data Set

February 2017



Institutional Analysis and Planning  
Brock University  
1812 Sir Isaac Brock Way  
905-688-5550



## Table of Contents

### Section 1: Program Overview

- a) How many degrees are completed in Ontario (Labour Supply)? .....3
- b) What types of degrees are completed in Ontario?.....3
- c) What other similar programs are offered in Ontario? .....4
- d) What other similar programs are offered at Brock University?.....4

### Section 2: Target Occupations

- a) What top growing target occupations are obtained by Alumni?.....5
- b) What are the growth prospects for these occupations (Demand)? .....6
- c) How much are these target occupations earning?.....7
- d) Where are the hottest places in Ontario in terms of job growth? .....8

### Section 3: Top Three Target Occupation Summaries

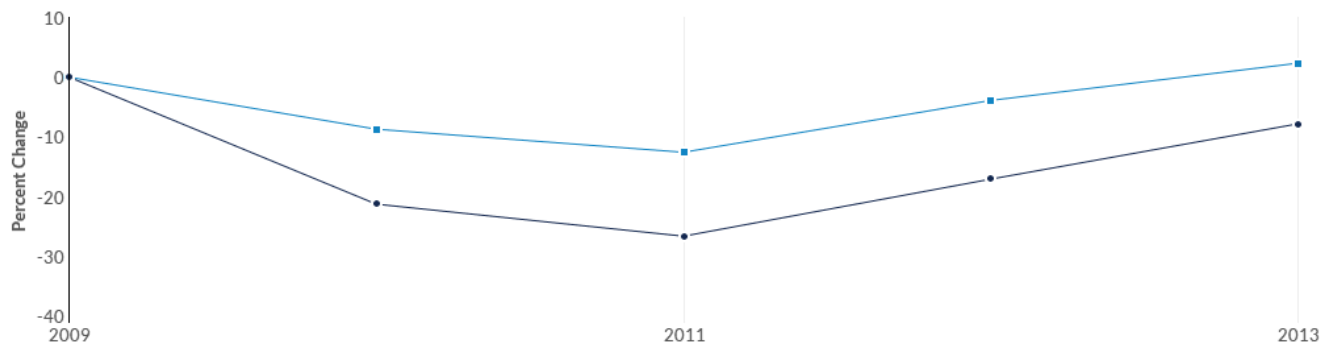
*\*\*Includes Description, Skills & Competencies, Ontario Trends in Field, Location of Job, Industries*

- a) Health Policy Researcher, Consultant and Program Officer.....10
  - b) Medical Administrative Assistant.....12
  - c) Physiotherapist.....14
- Reference and Notes.....16

# Section 1: Program Overview for Public Health, Community Health and Child Health(51.22)

<b>19</b> <b>Ontario Institutions</b> had Completions in the last 5 years	<b>779</b> <b>Ontario Program Completions (2013)</b>
---	---

## a) How many degrees are completed in Ontario? (51.22)



Region	2009 Completions	2013 Completions	% Change
• Ontario	845	779	-7.8%
• Canada	1,867	1,911	2.3%

## b) What types of degrees are coming from Ontario? (51.22)



Award Level	Completions (2013)	Percent
• Career, technical or pre-university program	59	7.5%
• Bachelors degree	266	34.2%
• Masters Degree	404	51.9%

### c) What other similar programs are offered in Ontario?

14 Programs (2013)		20,048 Completions (2013)
CIP Code	Program	Completions (2013)
13.12	Teacher education and professional development, specific levels and methods	5,600
31.05	Health and physical education/fitness	3,681
13.01	Education, general	2,829
51.07	Health and medical administrative services	1,342
51.11	Health/medical preparatory programs	1,312

### d) What other similar programs are offered at Brock University?

**Community Health<sup>1</sup>** - The BA (Pass) Community Health program focuses on community health and wellness emphasizing health promotion and assessment as well as program development and evaluation. This foundational degree provides a broad overview of societal trends and systems related to health issues and is a stepping stone for careers in health-related areas.

**Child Health<sup>2</sup>** - The BA (Honours) in Child Health is designed for students wishing to pursue careers concerned with the health of children as an educator or as a health professional following post graduate study. The program provides students with a biological, psychological and sociological overview of the major determinants of health from birth through adolescence.

**Physical Education<sup>3</sup>** - The BPhEd degree provides students with a broadly based understanding of the discipline through theoretical and practical courses in physical education. This program allows maximum opportunity for students to pursue various combinations of courses in teaching, coaching, programming and administration, and within their particular areas of interest (see Physical Education Subfields). This degree is accredited through the Canadian Council of Physical Education and Kinesiology Administrators

## Section 2: Target Occupations

### a) Which top growing target occupation are obtained by Alumni?

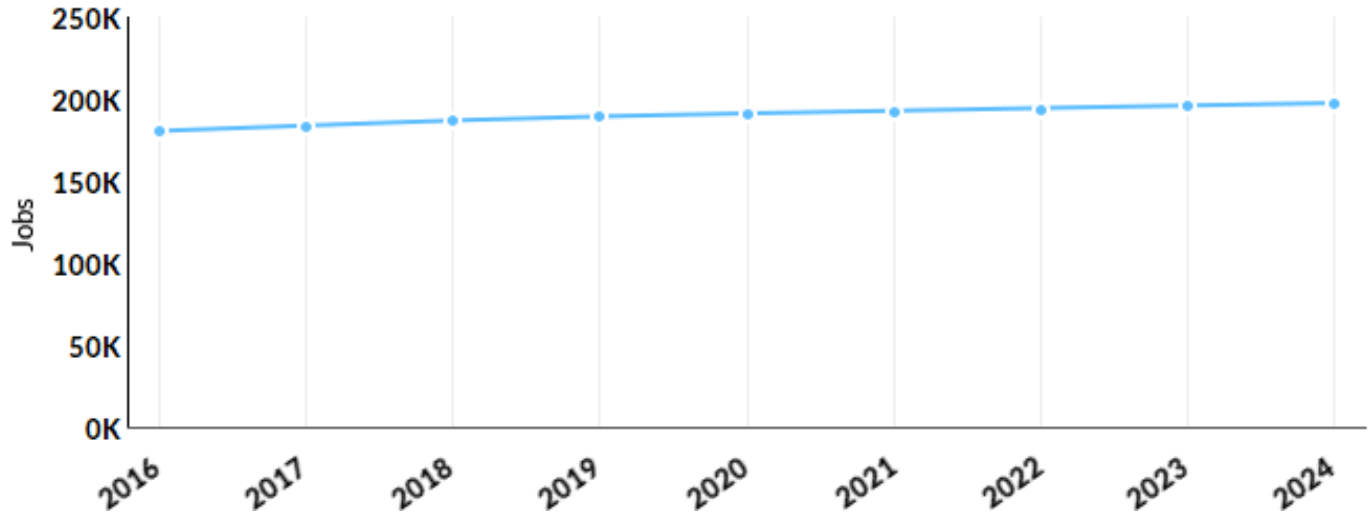
<b>176,835</b> Jobs <sup>7</sup> (2015) 3% below Canada's average	<b>9.4%</b> % Change (2016-2024) Canada: 8.3%	<b>\$32.19/hr</b> Median Hourly Wages <sup>8</sup> Canada: \$32.64/hr
---	---	---

Occupation	2016 Jobs <sup>7</sup>	Median Hourly Wages <sup>8</sup>	Growth (2016 - 2024)	Location Quotient <sup>4</sup> (2016)
Registered nurses and registered psychiatric nurses	115,048	\$36.00/hr	9.86%	0.95
Post-secondary teaching and research assistants	31,683	\$21.63/hr	9.60%	1.05
Health policy researchers, consultants and program officers	15,774	\$32.45/hr	10.68%	1.25
Medical administrative assistants	12,075	\$21.63/hr	6.51%	0.82
Physiotherapists	5,746	\$35.90/hr	1.67%	0.81



## b) What are the growth prospects for these target occupations?

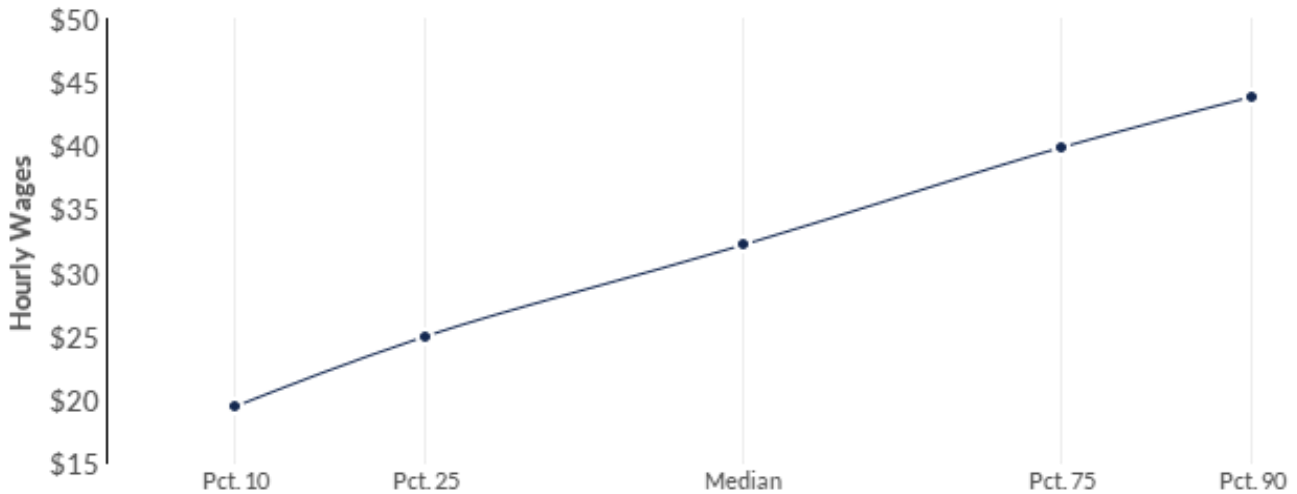
<b>180,326</b> 2016 Jobs <sup>7</sup>	<b>197,283</b> 2024 Jobs <sup>7</sup>	<b>16,957</b> Change (2016-2024)	<b>9.4%</b> % Change (2016-2024)
--	--	-------------------------------------	-------------------------------------



Occupation	2016 Jobs <sup>7</sup>	2024 Jobs <sup>7</sup>	Change	% Change
Medical administrative assistants (1243)	12,075	12,861	786	7%
Registered nurses and registered psychiatric nurses (3012)	115,048	126,397	11,349	10%
Physiotherapists (3142)	5,746	5,842	96	2%
Post-secondary teaching and research assistants (4012)	31,683	34,723	3,040	10%
Health policy researchers, consultants and program officers (4165)	15,774	17,459	1,685	11%

### c) How much are these target occupations earning?

<b>\$24.97/hr</b> 25th Percentile Wages <sup>8</sup>	<b>\$32.19/hr</b> Median Wages <sup>8</sup>	<b>\$39.87/hr</b> 75th Percentile Wages <sup>8</sup>
---	--	---



Occupation	25th Percentile Wages <sup>8</sup>	Median Wages <sup>8</sup>	75th Percentile Wages <sup>8</sup>
Medical administrative assistants (1243)	\$17.00	\$21.63	\$25.00
Registered nurses and registered psychiatric nurses (3012)	\$29.00	\$36.00	\$43.00
Physiotherapists (3142)	\$28.21	\$35.90	\$42.00
Post-secondary teaching and research assistants (4012)	\$14.00	\$21.63	\$32.00
Health policy researchers, consultants and program officers (4165)	\$22.65	\$32.45	\$43.59

## d) Where are the hottest places in Ontario in terms of job growth?



Census Division	Census Division Name	2016 Jobs <sup>7</sup>	2024 Jobs <sup>7</sup>	2016 - 2024 Change	2016 - 2024 % Change	2016 Location Quotient	2024 Location Quotient <sup>4</sup>	Expected Change	2015 Avg. Hourly Wages <sup>8</sup>
3546	Haliburton	304	374	70	23%	1.98	1.82	25	\$34.35
3515	Peterborough	3,099	3,658	559	18%	1.87	1.73	256	\$32.31
3544	Muskoka	790	912	122	15%	1.20	1.10	65	\$33.43
3548	Nipissing	1,716	1,980	264	15%	1.46	1.39	142	\$32.57
3551	Manitoulin	263	302	39	15%	1.69	1.64	22	\$33.13
3502	Prescott and Russell	681	778	97	14%	0.92	0.89	56	\$34.42
3556	Cochrane	1,574	1,797	223	14%	1.42	1.35	130	\$33.46
3516	Kawartha Lakes	825	941	116	14%	1.36	1.29	68	\$33.64
3549	Parry Sound	323	368	45	14%	0.92	0.89	27	\$32.77
3554	Timiskaming	491	555	64	13%	1.24	1.19	40	\$33.67
3553	Greater Sudbury / Grand Sudbury	2,977	3,352	375	13%	1.26	1.23	245	\$32.17



Census Division	Census Division Name	2016 Jobs <sup>7</sup>	2024 Jobs <sup>7</sup>	2016 - 2024 Change	2016 - 2024 % Change	2016 Location Quotient	2024 Location Quotient <sup>4</sup>	Expected Change	2015 Avg. Hourly Wages <sup>8</sup>
3511	Lennox and Addington	301	338	37	12%	0.89	0.87	25	\$32.66
3519	York	7,341	8,239	898	12%	0.51	0.50	606	\$33.29
3523	Wellington	4,096	4,589	493	12%	1.26	1.22	339	\$28.09
3518	Durham	5,228	5,855	627	12%	0.90	0.87	432	\$33.14
3531	Perth	1,117	1,249	132	12%	0.93	0.90	92	\$33.64
3520	Toronto	52,754	58,919	6,165	12%	1.20	1.16	4,356	\$31.99
3514	Northumberland and	745	832	87	12%	0.94	0.90	61	\$33.32
3507	Leeds and Grenville	980	1,091	111	11%	0.90	0.87	81	\$34.63
3557	Algoma	1,856	2,066	210	11%	1.31	1.27	153	\$33.49
3541	Bruce	588	654	66	11%	0.65	0.64	49	\$33.22
3543	Simcoe	4,825	5,342	517	11%	0.96	0.94	399	\$32.95
3552	Sudbury	178	197	19	11%	0.81	0.80	15	\$33.13
3542	Grey	1,145	1,262	117	10%	1.12	1.09	95	\$33.41
3532	Oxford	1,075	1,181	106	10%	0.66	0.66	89	\$35.12

Brock University continues to play a significant role for employment within our Hamilton-Niagara region

# Section 3: Top Three Job Occupation Summaries

## a) Health Policy Researcher, Consultant or Program Officer

Health policy researchers, consultants and program officers conduct research, produce reports and administer health care policies and programs. They are employed by government departments and agencies, consulting establishments, universities, research institutes, hospitals, community agencies, educational institutions, professional associations, non-governmental organizations and international organizations<sup>5</sup>.

### Technology Skills Required<sup>6</sup>:

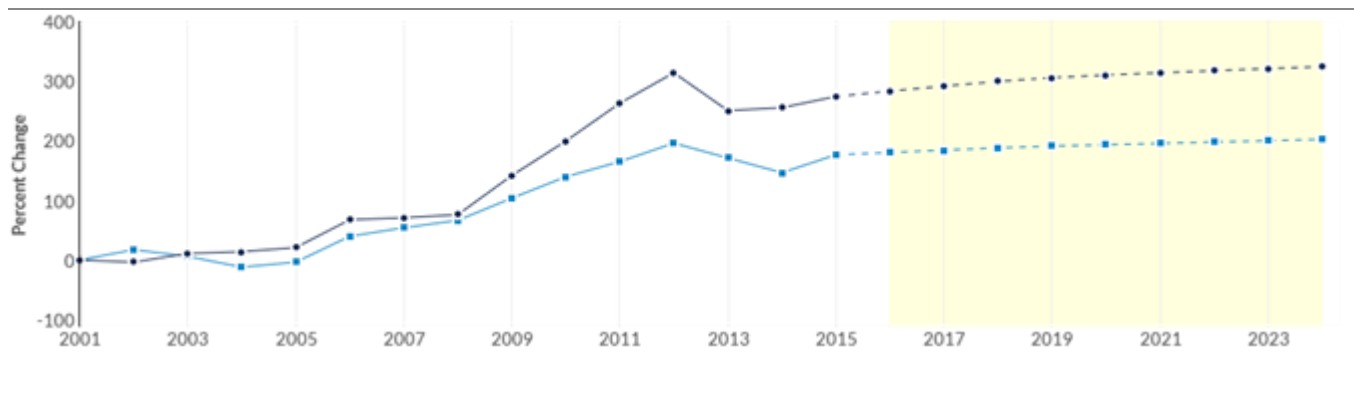
- Computer Software: ESS Compliance Suite; Mannus Compliance: EHS; Primatch AUDITWorks
- Electronic Mail Software: Microsoft Outlook
- Spreadsheet Software: Microsoft Excel

### Skills & Abilities Required<sup>6</sup>:

- Active Listening: Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate
- Critical Thinking: Using logic and reasoning to identify the strengths and weaknesses of alternative solutions

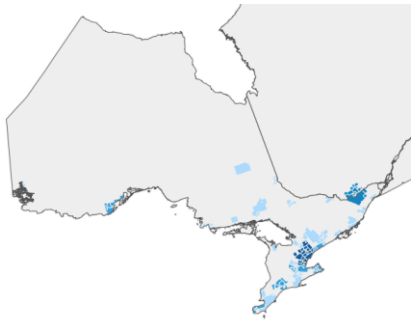
<b>15,400</b> <b>Jobs<sup>7</sup> (2015)</b> 24% above Canada's average	<b>10.7%</b> <b>% Change (2016-2024)</b> Canada: 7.9%	<b>\$32.45/hr</b> <b>Median Hourly Wages<sup>8</sup></b> Canada: \$33.29/hr
---	---	---

## Ontario Trends



Region	2016 Jobs <sup>7</sup>	2024 Jobs <sup>7</sup>	Change	% Change
• Ontario	15,774	17,459	1,685	10.7%
• Canada	32,906	35,493	2,587	7.9%

## Where are the most jobs in Ontario for Health Policy Researchers?



Census Metropolitan Aggregate	2024 Jobs <sup>7</sup>
Toronto	9,947
Ottawa - Gatineau	2,008
Hamilton	998
St. Catharines - Niagara	429
Oshawa	412

## Who are employing Health Policy Researchers?

Industry	Occupation Jobs <sup>7</sup> in Industry (2015)	% of Occupation in Industry (2015)	% of Total Jobs <sup>7</sup> in Industry (2015)
General medical and surgical hospitals	3,076	20.0%	1.6%
Other federal services	1,695	11.0%	1.4%
Scientific research and development services	1,237	8.0%	4.2%
Provincial and territorial public administration	1,219	7.9%	1.6%
Out-patient care centres	1,097	7.1%	3.6%

There is an increase of 1,500+ Health Policy Researcher positions by 2024.



## b) Medical Administrative Assistant

Medical administrative assistants perform a variety of secretarial and administrative duties in doctor's offices, hospitals, medical clinics and other medical settings.<sup>5</sup>

### Technology Skills Required<sup>6</sup>:

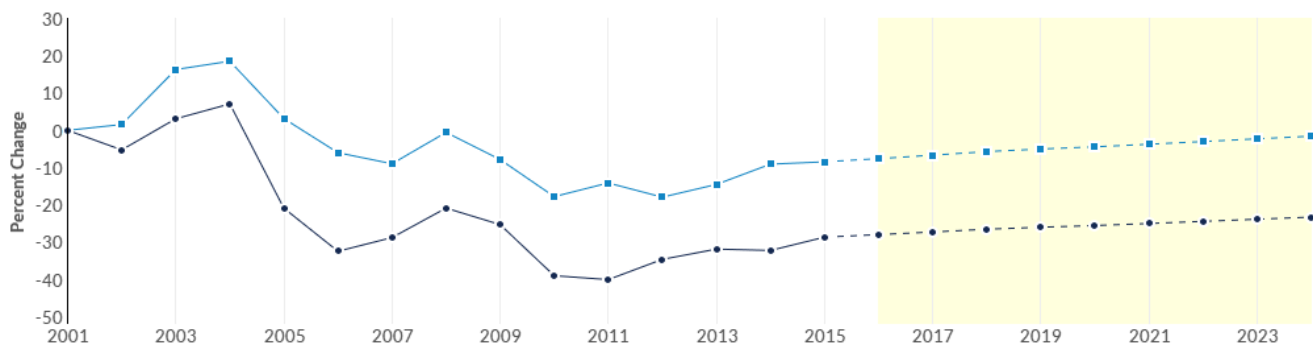
- Accounting Software: Billing software; Bookkeeping software
- Electronic Mail Software: Email software; Microsoft Exchange
- Medical Software: Medical procedure coding software; Patient management software

### Skills & Abilities Required<sup>6</sup>:

- Science: use rules/methods to solve problems
- Information Ordering: re-organizing dataset according to specific rules
- Inductive Reasoning: finding relationships among unrelated events

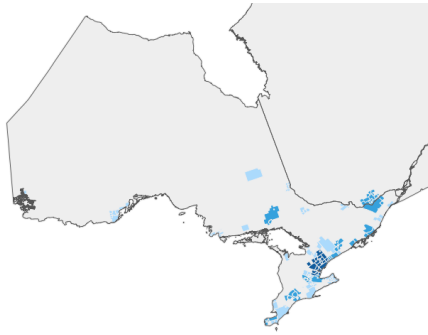
<b>11,960</b> <b>Jobs<sup>7</sup> (2015)</b> 18% below Canada's average	<b>6.5%</b> <b>% Change (2016-2024)</b> Canada: 6.5%	<b>\$21.63/hr</b> <b>Median Hourly Wages<sup>8</sup></b> Canada: \$20.16/hr
---	--	---

## Ontario Trends



	Region	2016 Jobs <sup>7</sup>	2024 Jobs <sup>7</sup>	Change	% Change
●	Ontario	12,075	12,861	786	6.5%
●	Canada	38,424	40,929	2,505	6.5%

## Where are the most jobs in Ontario for Medical Administrative Assistants?



Census Metropolitan Aggregate	2024 Jobs <sup>7</sup>
Toronto	7,525
Ottawa - Gatineau	475
Oshawa	431
London	422
Kingston	345

## Who are employing Medical Administrative Assistants?

Industry	Occupation Jobs <sup>7</sup> in Industry (2015)	% of Occupation in Industry (2015)	% of Total Jobs <sup>7</sup> in Industry (2015)
Offices of physicians	7,070	59.1%	15.0%
General medical and surgical hospitals	2,442	20.4%	1.3%
Out-patient care centres	469	3.9%	1.5%
Offices of other health practitioners	449	3.8%	1.5%
Offices of dentists	249	2.1%	0.6%

Brock University students have been successful with finding employment within our local Hamilton-Niagara region and capital city of Toronto.

### c) Physiotherapist

Physiotherapists assess patients and plan and carry out individually designed treatment programs to maintain, improve or restore physical functioning, alleviate pain and prevent physical dysfunction in patients. Physiotherapists are employed in hospitals, clinics, industry, sports organizations, rehabilitation centres and extended care facilities, or they may work in private practice<sup>5</sup>.

#### Technology Skills Required<sup>6</sup>:

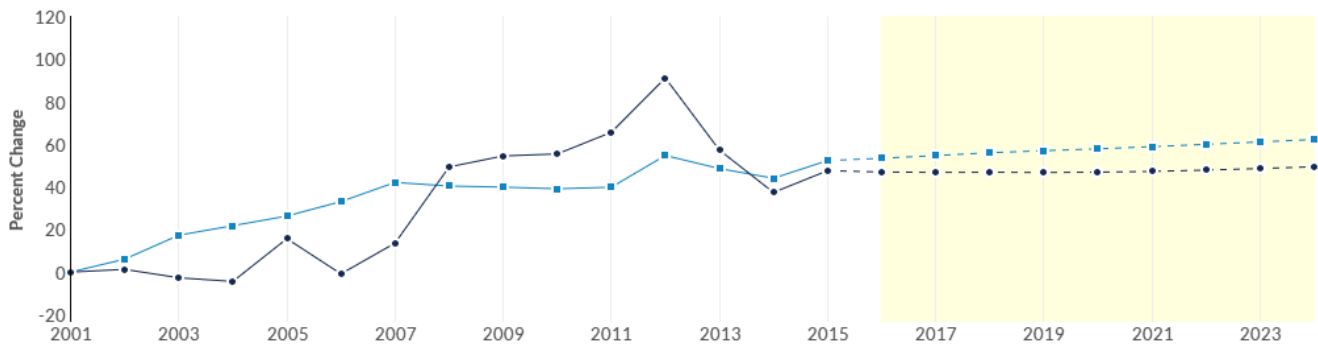
- Accounting software: Medigraph
- Medical software: Clinicient Insight; Hands on Technology TheraWriter
- Spreadsheet software: Microsoft Excel

#### Skills & Abilities Required<sup>6</sup>:

- Deductive Reasoning: The ability to apply general rules to specific problems to produce answers that make sense
- Problem Sensitivity: The ability to tell when something is wrong or likely to go wrong.

<b>5,769</b> <b>Jobs<sup>7</sup> (2015)</b> 18% below Canada's average	<b>1.7%</b> <b>% Change (2016-2024)</b> Canada: 5.7%	<b>\$35.90/hr</b> <b>Median Hourly Wages<sup>8</sup></b> Canada: \$36.41/hr
--	--	---

### Ontario Trends



Region	2016 Jobs <sup>7</sup>	2024 Jobs <sup>7</sup>	Change	% Change
• Ontario	5,746	5,842	96	1.7%
• Canada	18,535	19,599	1,064	5.7%

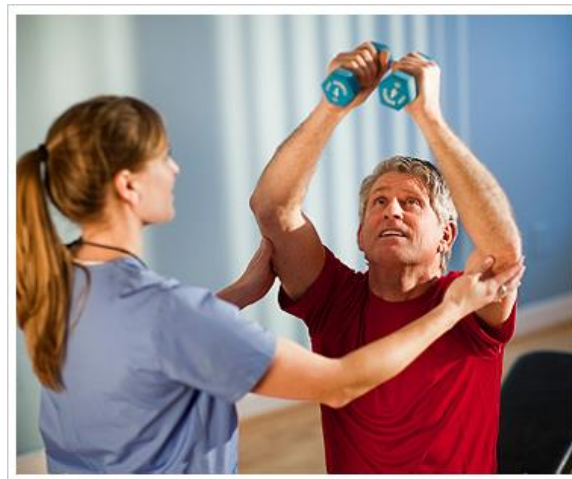
## Where are the most jobs in Ontario for Physiotherapists?



Census Metropolitan Aggregate	2024 Jobs <sup>7</sup>
Toronto	2,474
Ottawa - Gatineau	1,072
London	341
Hamilton	241
Oshawa	140

## Who are employing Physiotherapists?

Industry	Occupation Jobs <sup>7</sup> in Industry (2015)	% of Occupation in Industry (2015)	% of Total Jobs <sup>7</sup> in Industry (2015)
Offices of other health practitioners	2,338	40.5%	7.6%
General medical and surgical hospitals	2,307	40.0%	1.2%
Out-patient care centres	322	5.6%	1.1%
Home health care services	169	2.9%	0.5%
Specialty (except psychiatric and substance abuse) hospitals	122	2.1%	1.3%



## References and Notes

---

<sup>1</sup> <https://brocku.ca/webcal/2016/undergrad/chhe.html>

<sup>2</sup> <https://brocku.ca/applied-health-sciences/academic-departments/comm-health-sciences/academic-programs/bachelor-arts-child-health>

<sup>3</sup> <https://brocku.ca/webcal/2016/undergrad/phed.html>

<sup>4</sup> Location Quotient: a calculation that quantifies the concentration of a particular industry, cluster, or occupation, in a region as compared to the nation. It can reveal what makes a particular region “unique” in comparison to the national average. Source: <http://www.economicmodeling.com/2011/10/14/understanding-location-quotient-2/>

<sup>5</sup> <https://brocku.EmsiCareerCoach.ca>

<sup>6</sup> <https://www.onetonline.org/>

<sup>7</sup> Employment numbers do not include people who are self-employed and may be under-represented.

<sup>8</sup> Wages do not consider people who are self-employed and may be under-represented.