Clinical immunology/allergy focuses on disorders characterized by defective responses of the body's immune system. This broad field generally includes atopic diseases, asthma, anaphylaxis, rhinitis, eczema, adverse reactions to environmental agents of all types (e.g., drugs, foods, insect stings, industrial exposures), immune deficiency diseases (both acquired and congenital), immunotherapy of all types (biological, pharmacological, physical), defects in host defense, the immunologic aspects of systemic diseases, and problems related to autoimmune disease, organ transplantation or malignancies of the immune system.

Clinical immunologist/allergists are expected to achieve competence in the utilization and interpretation of common laboratory procedures relevant to clinical immunology/allergy. They spend a good deal of time directly seeing and caring for patients who are generally healthy and tend to respond positively to therapy. Chronic or recurrent patient problems make the role of this specialist as much preventive and educational as diagnostic and therapeutic.

This specialty has the ability to readily diagnose and effectively treat the majority of their patients. It has little pressure associated with it in the sense that few patients ever require hospitalization. This specialty has reasonable schedule demands, largely offering regular and predictable hours.
Upon completion of medical school, only candidates certificated by the Royal College in internal medicine or pediatrics may be eligible for the Certificate of Special Competence in Clinical Immunology and Allergy. One must complete 2 years of approved residency in immunology and allergy, not more than one of which may be undertaken during training for certification in pediatrics or internal medicine.

For further information on training for this specialty go to: http://www.royalcollege.ca/portal/page/portal/rc/credentials/start/routes/traditional_route

Canadian Society of Allergy and Clinical Immunology
http://csaci.ca/
**Number of physicians and physicians/100,000 population in Clinical Immunology/Allergy in Canada, 2015**

<table>
<thead>
<tr>
<th>Province/Territory</th>
<th>Physicians</th>
<th>Phys/100k pop'n</th>
</tr>
</thead>
<tbody>
<tr>
<td>Newfoundland/Labrador</td>
<td>2</td>
<td>0.4</td>
</tr>
<tr>
<td>Prince Edward Island</td>
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<td>0.0</td>
</tr>
<tr>
<td>Nova Scotia</td>
<td>5</td>
<td>0.5</td>
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<tr>
<td>New Brunswick</td>
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<tr>
<td>Quebec</td>
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<tr>
<td>Ontario</td>
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<tr>
<td>Manitoba</td>
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<td>0.7</td>
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<tr>
<td>Saskatchewan</td>
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<td>0.2</td>
</tr>
<tr>
<td>Alberta</td>
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</tr>
<tr>
<td>British Columbia</td>
<td>26</td>
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</tr>
<tr>
<td>Territories</td>
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</tr>
<tr>
<td><strong>CANADA</strong></td>
<td><strong>188</strong></td>
<td><strong>0.5</strong></td>
</tr>
</tbody>
</table>

Source: 2015 CMA Masterfile
Physicians/100,000 population in Clinical Immunology/Allergy in Canada, 1995 to 2015

Source: CMA Masterfile
Clinical Immunologist/Allergists by gender and year in Canada, 1995 to 2015

Source: 2015 CMA Masterfile
Clinical Immunologist/Allergists by age and gender in Canada, 2015

**Gender**
- Male: 60%
- Female: 40%

**Age Group**
- 34 and under: 10%
- 35 - 44: 26%
- 45 - 54: 26%
- 55 - 64: 16%
- 65 and over: 22%

Source: 2015 CMA Masterfile
Clinical Immunologist/Allergists by age and gender in Canada, 2015

Source: 2015 CMA Masterfile
Main work setting of Clinical Immunologist/Allergists in Canada, 2013*

- Private Office/Clinic: 55%
- Academic Health Sciences Centre: 18%
- Non-AHSC Teaching Hospital: 7%
- Admin/Corp office: 3%
- Other: 3%

* 2014 data for this specialty is not available

Source: 2013 National Physician Survey. CFPC, CMA, Royal College
Remuneration for Clinical Immunologist/Allergists in Canada

Average gross clinical earnings for Int Med & subspecialties in 2013/14 (those earning at least $60,000) = $396,105

Average percent overhead reported by Internal Medicine specialists in 2010 = 20%

Primary payment method in 2013

- 90% + fee-for-service: 52%
- 90% + salary: 42%
- 90% + other*: 6%
- Blended: NR

* Other includes capitation, sessional, contract and other methods

References:
1 National Physician Survey, 2013, CFPC, CMA, Royal College
2 National Physician Database, 2013/14, CIHI
3 National Physician Survey, 2010, CFPC, CMA, Royal College
Satisfaction among Clinical Immunologists/Allergists in Canada, 2013

Balance of personal & professional commitments

- Very dissatisfied: 6%
- Dissatisfied: 4%
- Neutral: 22%
- Satisfied: 23%
- Very satisfied: 20%

Current professional life

- Very dissatisfied: 4%
- Dissatisfied: 7%
- Neutral: 16%
- Satisfied: 40%
- Very satisfied: 33%

Source: 2013 National Physician Survey. CFPC, CMA, Royal College
Clinical Immunologist/Allergists who are Royal College, CFPC or CMQ certified in Canada, 2013*

Note: Physicians could indicate more than one certification body.

* 2014 data for this specialty is not available

Source: 2014 National Physician Survey. CFPC, CMA, Royal College
Number of Clinical Immunologist/Allergists who retired during the THREE year period of 2012 to 2014

Source: CMA Masterfile – year over year comparisons
Note: “Retired” is based on giving up licence and is therefore excludes those who have retired from clinical practice but are still licensed; it includes physicians who have temporarily given up their licence but may return to practice at a later date.
## Total and Ministry funded postgraduate MD trainees in 2014/15 – Clinical Immunology/Allergy*

<table>
<thead>
<tr>
<th>Faculty of Medicine</th>
<th>Ministry funded</th>
<th>Total</th>
<th>Faculty of Medicine</th>
<th>Ministry funded</th>
<th>Total</th>
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<td>0</td>
<td>NOSM</td>
<td>0</td>
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<tr>
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<td>0</td>
<td>U Manitoba</td>
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<tr>
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<td>U Sask</td>
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<td>U Alberta</td>
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<td>0</td>
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<tr>
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<td>UBC</td>
<td>3</td>
<td>3</td>
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<tr>
<td>U Toronto</td>
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<td>Canada</td>
<td>30</td>
<td>35</td>
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</tbody>
</table>

* Includes Clinical immunology/allergy (Int Med) and Clinical immunology/allergy (Ped)

Source: 2014/15 Annual Census of Post-MD Trainees, CAPER
PGY-4 and exiting postgraduate-MD trainees in 2014/15 – Clinical Immunology and Allergy

Source: 2014/15 Annual Census of Post-MD Trainees, CAPER
Postgraduate-MD trainees in 2014/15 – Clinical Immunology and Allergy

- Total of 16 PGY-4 Clinical Immunology and Allergy trainees representing 53% of all Clinical Immunology and Allergy trainees.

- Total of 30 Clinical Immunology and Allergy trainees representing 0.2% of all Ministry funded trainees.

- Total of 5 visa trainees in Clinical Immunology and Allergy.

- Total of 15 Clinical Immunology and Allergy trainees completed postgraduate training in 2014.

Source: 2014/15 Annual Census of Post-MD Trainees, CAPER
Location of 2013 Postgraduate-MD exits in 2015 – Clinical Immunology and Allergy

Of the 17 exits in 2013, all were known to be practising in Canada

Source: 2014/15 Annual Census of Post-MD Trainees, CAPER
Stress associated with finding employment at end of residency

Source: 2012 National Physician Survey of residents. CFPC, CMA, Royal College
Links to the organizations supplying information for this document

National Physician Survey
http://www.nationalphysiciansurvey.ca

Canadian Medical Association
http://www.cma.ca/pdc

Association of Faculties of Medicine of Canada
http://www.caper.ca/

Royal College of Physicians and Surgeons of Canada
http://www.royalcollege.ca/portal/page/portal/rc/credentials/start/routes/traditional_route

College of Family Physicians of Canada
http://www.cfpc.ca

Canadian Institute for Health Information
http://www.cihi.ca