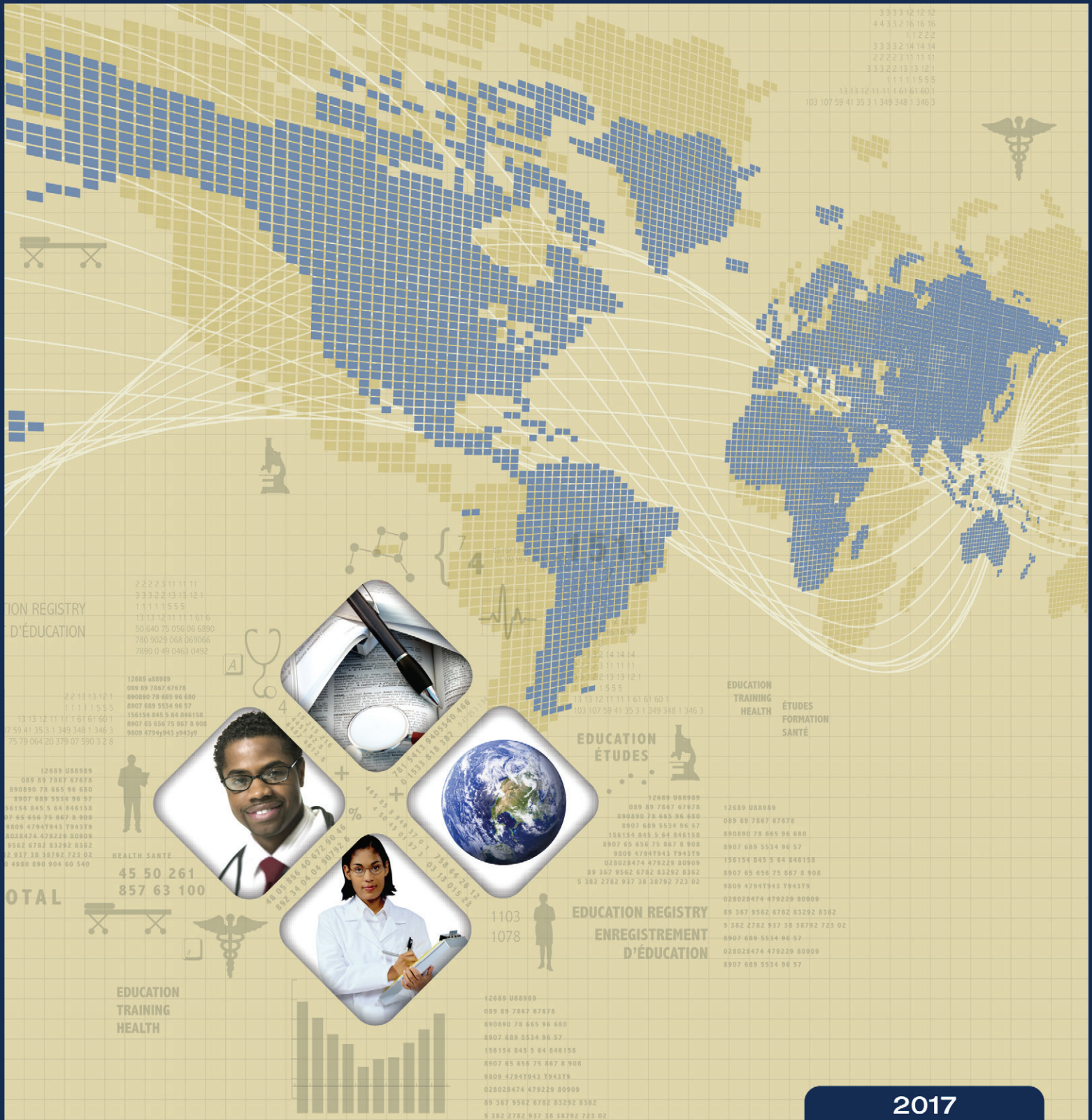




The National IMG Database Report

The National IMG Database Report

2017

Canadian Post-MD Education Registry
2733 Lancaster Road, Suite 100
Ottawa, Ontario K1B 0A9
Telephone: 613 730-1204
Email: caper@afmc.ca
Website: www.caper.ca

Acknowledgements

It is a pleasure to present the 2017 edition of the National IMG Database Report. This report is made possible through the continued support of the contributors to CAPER. They are: Association of Faculties of Medicine of Canada, Canadian Medical Association, College of Family Physicians of Canada, Medical Council of Canada, Resident Doctors of Canada and Royal College of Physicians and Surgeons of Canada.

We thank in particular the providers of IMG data from the Medical Council of Canada, the seventeen faculties of medicine and the Federation of Medical Regulatory Authorities of Canada.

A very sincere thank you and acknowledgment is extended to the individuals within our partner organizations who have given time to the National IMG Database. The information in this report sheds light on pathways and milestones traversed by International Medical Graduates. Their efforts underpin the high quality information in this report. More importantly, they bring needed support to those who strive to improve Canada's physician resource environment.

Thank you to the CAPER Chair, Dr. Mark Walton and the Committee for their support in re-establishing the National IMG Database at CAPER. I would especially like to thank CAPER staff members Ms. Dania Koudieh and Mr. Leslie Forward for their devoted efforts in recreating a new database after a period of dormancy. Their excellent work on behalf of the project stakeholders is reflected in this report.

It has been a pleasure working with all who have contributed to this unique national resource and I look forward to our continued partnership.

Lynda Buske
Manager, CAPER

TABLE OF CONTENTS

Background and Introduction	I
Privacy and Access to Personal Information	III
Definitions	V
Requests to National IMG Database	VI
 SECTION A - IMGs PASSING MEDICAL COUNCIL OF CANADA EXAMS	 1
A1. By type of exam	2
A2. By country of MD degree - MCCCE	3
A3. By country of MD degree - MCCQE I	6
A4. By country of MD degree - MCCQE II	9
A5. By gender	11
A6. By years since MD earned	12
 SECTION B - IMGs IN POST-M.D. TRAINING	 15
B1. By legal status	16
B2. By province and faculty of training - Canadian citizen/permanent residents	17
B3. By type and faculty of post-M.D. training - Canadian citizen/permanent residents	18
B4. By country of M.D. degree - Canadian citizen/permanent residents	19
B4i. Top ten countries of M.D. degree for Canadian citizen/permanent trainees	22
B4ii. By country of M.D. degree - Visa trainees	23
B5. Canadian citizen/permanent residents* by field of post-M.D. training (includes fellows)	25
B5i. Visa trainees by field of post-M.D. training	27
B6. By years since MD graduation categories - Canadian citizen/permanent resident first year trainees	29
B6i. By years since MD graduation statistics - Canadian citizen/permanent resident first year trainees	30
B7. By field of training and gender	31
B8. By field of training and mean age	33
B9. Canadian citizen/permanent resident* and visa trainees by source of funding	35
B10. Canadian citizen/permanent resident* and visa trainees by rank	35
B11. Exits by legal status and field of training (includes fellows)	36
 SECTION C - IMGs IN PRACTICE	 39
C1. By specialty and province/territory of Canadian practice	40
C2. By country of M.D. degree for those with Canadian postgraduate training	41
C3. By faculty of Canadian post-MD training and practice location two years later	45
C4. By faculty of Canadian post-MD training and practice location category two years later	46
 SECTION D - LICENCES ISSUED TO IMGs	 47
D1. By province/territory and type of licence	48

BACKGROUND AND INTRODUCTION

International Medical Graduates (IMGs) play a longstanding role in providing care to Canadians. In 2016, Scott's Medical Directory (see Section C of this report) indicates that there were approximately 20,000 IMGs licenced in Canada in 2016. This represents approximately one quarter of all licenced physicians in Canada. The proportion that IMGs represent of all practising physicians in each jurisdiction varies significantly. For instance, in Saskatchewan half of all practising physicians are IMGs (53%) whereas in Quebec one in 10 physicians is an IMG.ⁱ

The contribution and role of IMGs have surfaced in numerous systematic evaluations of the Canadian health care system. The 2002 Kirby Senate Committee report on the state of the health care system in Canada emphasized the need for a national strategy to enhance the integration of International Medical Graduates.ⁱⁱ Soon after, the Romanow Commission report 'Building on Values: The Future of Health Care in Canada'ⁱⁱⁱ called for a coordinated Human Health Resources (HHR) planning strategy and consideration of the processes IMGs undertake to enter into the physician workforce. Aligned with the call for collaborative HHR planning, the 2003 First Ministers' Accord on Health Care Renewal supported evidence based initiatives in order to develop an information base to facilitate the integration of IMGs and increase the recruitment and retention of the health workforce.^{iv} The creation of the Canadian Task Force on Licensure of IMGs in 2002 was a key step in addressing the issues faced by IMGs in Canada. Recognizing their importance in Canada's health care delivery system, the Taskforce made six recommendations to address IMG barriers to licensure and practice.^v They were:

- (1) Increase the capacity to assess and prepare IMGs for licensure.
- (2) Work toward standardization of licensure requirements.
- (3) Expand or develop supports/programs to assist IMGs with the licensure process and requirements in Canada.

- (4) Develop orientation programs to support faculty and physicians working with IMGs.
- (5) Develop capacity to track and recruit IMGs.
- (6) Develop a national research agenda, including evaluation of the IMG strategy.

In response to recommendation #5, the National IMG Database was created in 2005 by the Canadian Post-M.D. Education Registry (CAPER) with support and guidance from its partner organizations and financial support from the Foreign Credentials Recognition Division of Human Resources and Skills Development Canada (HRSDC).

The National IMG Database project established data-sharing partnership among all agencies that IMGs encounter as they progress towards medical licensure within Canada. The resulting database included information from IMG assessment centres, national medical examination and certification bodies, postgraduate medical education training programs and medical regulatory authorities. The first annual National IMG Database Report was published in 2009^{vi}. The report provided a new and comprehensive statistical overview of the number of IMGs passing Canada's assessment, training, examination, certification and licensing processes.

With continuing support from its original funders, subsequent reports were published until 2012.^{vii} At that time, funding was not renewed and the database was not updated. In 2015, the updating of the National IMG Database was assessed. It was noted that regulatory authorities and assessment centres employ different processes to achieve goals related to the evaluation, training, remediation and licensing of IMGs. Likewise, the terms used to describe these activities and outcomes are not standardized. This generated difficulties in establishing equivalencies among datasets for the earlier reports and limited the pooling of certain data elements, affecting the capacity to present general findings.

PRIVACY AND ACCESS TO PERSONAL INFORMATION

CAPER is committed to the highest standards of privacy and protection of personal information. To review the principles that guide CAPER's

management of data, please consult our Privacy Policy at <https://caper.ca/en/about-us/protection-of-personal-information/>.

LIMITATIONS OF THE NATIONAL IMG DATABASE

Until such time as the terminology of assessment and licensure is more standardized, it was decided by the CAPER Committee to re-establish a more manageable database with only three main suppliers: MCC for national assessment of credentials, CAPER data for national postgraduate training data and Scott's Business List for the practising address of IMGs in Canada. This new National IMG Database will address most of the requests CAPER receives for information on IMGs. However, it will not be possible to distinguish between those who have undergone a practice ready assessment process to

achieve licensure nor will it be possible to identify those with provisional versus full licensure.

Having all practising IMGs in the database makes this database comprehensive in that, in theory, it encompasses the education, training and practice lifecycle. However, not all records will be linkable across this continuum if their assessment or training periods pre-date submissions from MCC or CAPER.

NOTES

-
- i Canadian Institute for Health Information. Supply, Distribution and Migration of Physicians, 2015. Ottawa: CIHI. <https://secure.cihi.ca/estore/productFamily.htm?pf=PFC3269&lang=en&media=0>
-
- ii The final report of the Kirby Senate Committee is available at <http://www.parl.gc.ca/Content/SEN/Committee/372/soci/rep/repoct02vol6-e.htm>.
-
- iii The final report of the Romanow Commission is available at <http://publications.gc.ca/collections/Collection/CP32-85-2002E.pdf>
-
- iv Health Canada. (2004). The 2003 Accord on Health Care Renewal: A Progress Report. http://www.hc-sc.gc.ca/hcs-sss/delivery-prestation/fptcollab/2004-fmm-rpm/fs-if_01-eng.php.
-
- v Federal/Provincial/Territorial Advisory Committee on Health Delivery and Human Resources. (2004). Report of the Canadian Task Force on Licensure of International Medical Graduates. Archived reference <http://www.hc-sc.gc.ca/hcs-sss/pubs/hhrhs/hhr-rhs-conn/2006-hhr-rhs-conn-4-eng.php>
More information available at:
http://rcpsc.medical.org/publicpolicy/documents/2008/IMG_Task%20force-poster-FINAL-ENG.pdf
-
- vi National IMG Database Report 2005-2009. https://caper.ca/~assets/documents/2005-2009_CAPER_National_IMG_Database_Report.pdf
-
- vii National IMG Database Report 2012 https://caper.ca/~assets/documents/2012_CAPER_National_IMG_Database_Report.pdf
-

DEFINITIONS

File specifications for the National IMG Database were developed in accordance with definitions established by CAPER. Following are CAPER's conventional definitions for data submission and reporting. Further explanatory notes precede each Data Provider section of this report.

Fellows

CAPER uses the following definition of the term “fellow”: a post M.D. trainee who is registered with the Postgraduate Medical Education Office of a university faculty of medicine and who, regardless of the source of funding, is pursuing clinical or research training which will **NOT** be evaluated by the supervising faculty for the purpose of Canadian licensure, or certification by The College of Family Physicians of Canada, the Collège des médecins du Québec or The Royal College of Physicians and Surgeons of Canada.

International Medical Graduate (IMG)

In this report, the term ‘international medical graduate’, or IMG, refers to physicians who obtained their initial medical degree (M.D.) outside of Canada. Thus, all international medical graduates, including graduates of U.S. medical schools, are reported as IMGs in this publication.

Legal Status of Trainees

Canadian Citizen / Permanent Resident

Trainee is a citizen of Canada or has been accepted as a landed immigrant and has the right to live and work in Canada.

Visa

Trainees holding a visa permitting employment in Canada temporarily as a post M.D. trainee.

Specialties

For IMGs in postgraduate training (Section B), the speciality refers to the field in which a trainee

is enrolled on November 1st of the report year. Several subspecialties have multiple entry points. For example, anaesthesiology, emergency medicine, internal medicine, pediatrics and general surgery all have critical care subspecialties. As individuals move from primary to subspecialty training, CAPER counts them within the subspecialty field that is consistent with their prior training.

For IMGs in practice (Section C), Family Medicine and Emergency Family Medicine physicians are those certified by the College of Family Physicians of Canada or the Collège des médecins du Québec. All other specialties are certified by the Royal College of Physicians and Surgeons of Canada or the Collège des médecins du Québec.

In both sections, the highest level of specialization or subspecialisation found in an IMG's record takes precedence.

Years Since M.D. Earned

Years Since M.D. Earned is calculated by subtracting the year the M.D. was granted from the year in which data on an IMG was reported.

Source of Funding

The source of funding is the organization or government agency providing the funding for the position occupied by the trainee. Two main categories are used: “Regular Ministry Funds” refers to funds provided by the appropriate provincial government ministry responsible for training of residents within that province. All other funding sources are grouped as “Other Funds” which includes such sources as ministry funds provided for complementary training by the Quebec Ministry of Health and Social Services, funds for residency training transferred from one province to another and government-funded foundations such as the Alberta Heritage Foundation. It also includes funding from federal government, foreign countries, clinical training site, etc.

REQUESTS TO THE NATIONAL IMG DATABASE

Since IMGs are uniquely identified in the database there is great potential for cohort analyses. Anyone interested in conducting this type of research should contact CAPER at caper@afmc.ca or submit a request form on line at www.caper.ca.

There is additional tabular information on IMGs in the CAPER annual census that can be found at <https://caper.ca/en/post-graduate-medical-education/annual-census/>.



A

IMGs PASSING MEDICAL COUNCIL OF CANADA EXAMS

The Medical Council of Canada (MCC) develops and administers examinations to evaluate the competency of physicians. These include the MCC Evaluating Examination (MCCEE) administered to graduates of medical schools not accredited by the Committee of Accreditation of Canadian Medical Schools (CACMS) or the Liaison Committee on Medical Education (LCME) in the United States. The MCCEE (or an exemption from the MCCEE on the basis of specialty certification in Canada or the U.S.) is a prerequisite for eligibility to challenge the MCC's Qualifying Examinations Part I (MCCQEI) and Part II (MCCQEII). Successful completion of MCC Qualifying Examinations leads to designation as a Licentiate of the Medical Council of Canada (LMCC), which is generally a precondition to medical licensure in Canadian jurisdictions.

The tables in section A are based on annual datafiles submitted by the Medical Council of Canada. The inclusion criteria to be on the file is someone who has completed their M.D. degree outside Canada and has passed one of the Medical Council of Canada exams (i.e., MCCEE, MCCQEI and/or MCCQEII) or has been exempted from the MCCEE exam.

Key data elements of annual MCC files:

- Name
- MINC (Medical Identification Number of Canada)
- Country of M.D. degree
- Year of M.D. degree
- Passed (or exempted from) MCCEE that year
- Passed (or exempted from) MCCQEI that year
- Passed (or exempted from) MCCQEII that year

A1. IMGs PASSING MCC EXAMS*

Report Years 2007 to 2015

	Passed MCCEE		Passed MCCQE I		Passed MCCQE II		Total passed exams	
	#	%	#	%	#	%	#	%
2007	2425	54%	1225	27%	813	18%	4463	100%
2008	1984	49%	1257	31%	813	20%	4054	100%
2009	2196	53%	1013	24%	956	23%	4165	100%
2010	2468	52%	1420	30%	765	16%	4653	100%
2011	2700	54%	1565	31%	736	15%	5001	100%
2012	2938	55%	1538	29%	872	16%	5348	100%
2013	2894	56%	1569	31%	666	13%	5129	100%
2014	2679	57%	1309	28%	719	15%	4707	100%
2015	2667	60%	1181	26%	616	14%	4464	100%

* This table only contains frequencies for those who passed the exam during the same year it was reported, i.e. if someone wrote their exam in 2013, but it was reported for the first time in 2014, then they were not included in the table.

HIGHLIGHTS:

IMGs who passed the MCCEE in 2015 represented the majority (60%) of all IMGs who passed MCC exams in that year. This is the highest proportion for the period 2007 to 2015.

A2. IMGs PASSING MCC EXAMS

IMGs who passed MCCEE by country of MD degree
Report Years 2007 to 2015

M.D. Country	Passed MCCEE								
	2007	2008	2009	2010	2011	2012	2013	2014	2015
Algeria	18	26	21	16	23	29	15	15	9
Anguilla	0	0	0	0	0	0	2	6	9
Antigua and Barbuda	0	4	9	7	15	31	29	17	13
Argentina	4	4	4	3	4	7	1	3	5
Aruba	1	8	12	17	9	8	14	15	15
Australia	46	56	55	64	77	113	112	98	101
Bahrain	21	12	9	14	16	17	22	20	27
Bangladesh	21	25	25	19	36	42	28	33	33
Belarus	7	7	5	13	8	4	5	8	2
Belgium	3	1	2	0	4	3	5	4	3
Belize	2	8	1	2	0	0	5	0	3
Bonaire	3	5	13	7	16	21	14	16	9
Brazil	11	16	14	14	15	12	7	12	18
Bulgaria	12	9	8	11	4	4	2	0	2
Cayman Islands	10	5	20	10	8	17	15	10	6
China	72	42	34	32	29	47	40	23	32
Colombia	25	25	22	22	20	16	16	13	6
Cuba	2	7	8	11	7	12	10	5	9
Curaco	0	2	1	0	0	0	0	0	6
Czech Republic	9	3	3	2	2	4	5	0	6
Democratic Republic Congo	4	4	5	5	7	9	14	10	18
Dominica	16	25	32	56	80	75	77	60	53
Dominican Republic	6	3	7	4	4	4	4	6	3
Egypt	155	124	120	161	144	153	151	146	101
El Salvador	0	1	2	8	3	5	1	1	0
Ethiopia	2	0	3	1	3	3	5	2	4
France	19	7	5	3	3	5	4	4	4
Germany	19	16	11	10	14	13	4	12	9
Ghana	3	0	2	4	4	1	6	5	6
Greece	1	0	0	2	0	0	3	7	4
Grenada	44	54	78	103	174	157	100	81	70
Guyana	4	3	3	8	5	2	1	1	1
Haiti	5	6	6	9	2	11	6	4	6
Hungary	6	6	9	5	7	12	14	12	5
India	180	92	126	133	138	146	166	142	164
Iran	125	120	113	154	165	139	152	189	180
Iraq	71	63	60	79	79	73	52	57	60
Ireland	71	73	106	101	160	163	157	179	197
Israel	13	9	13	11	16	16	11	8	10
Italy	3	4	4	4	4	3	6	1	5
Jamaica	7	6	7	7	6	12	7	9	3
Japan	6	3	7	5	0	3	6	5	3
Jordan	17	9	8	10	13	13	11	11	10
Kuwait	27	13	23	15	14	19	14	24	24
Lebanon	6	5	14	6	12	6	11	11	8
Libya	87	42	57	35	19	35	58	75	95
Mexico	10	16	11	14	14	9	13	10	5

A2 – continued

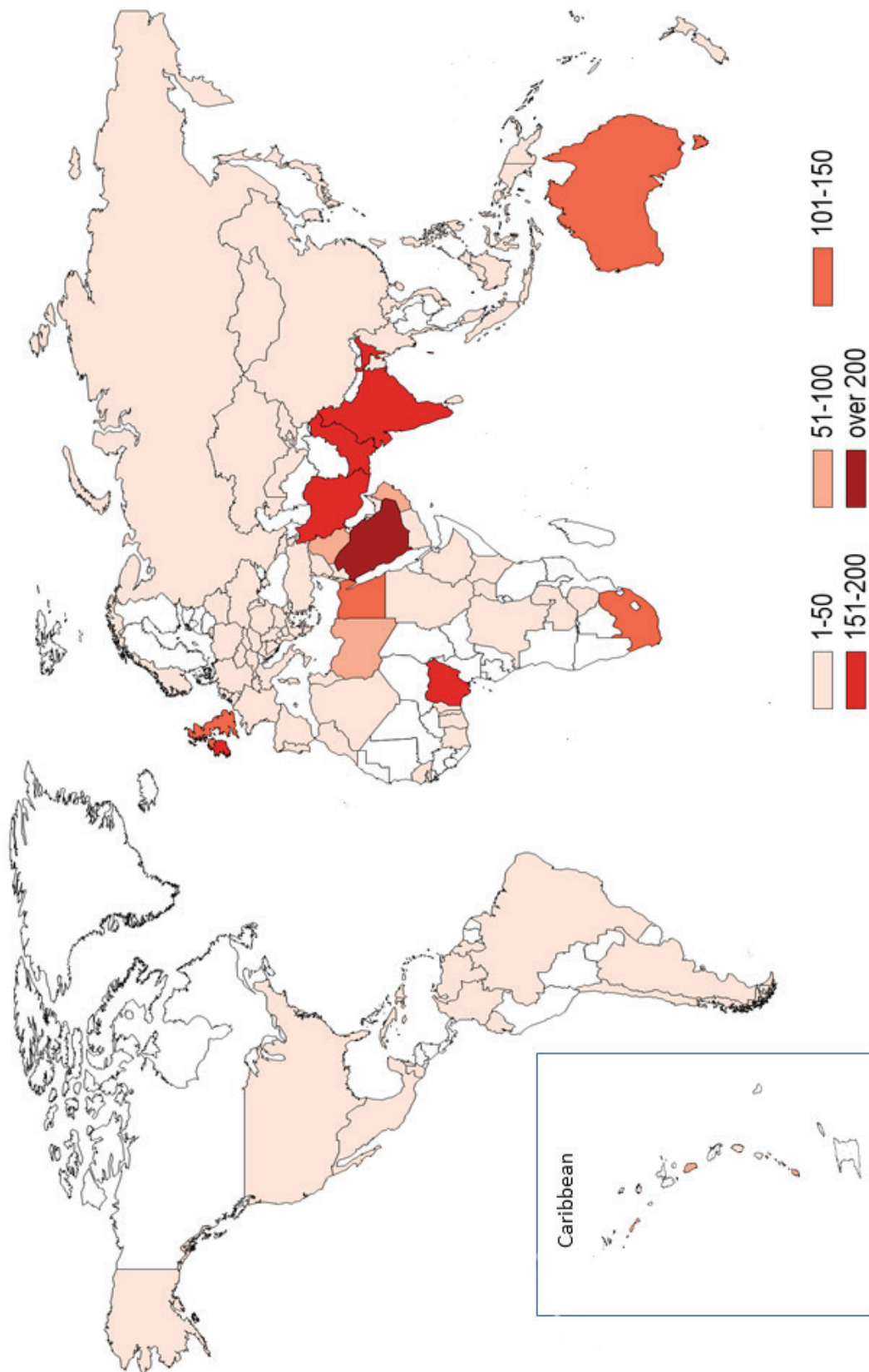
Moldova	8	6	4	4	7	11	6	9	5
Morocco	12	2	4	8	13	5	2	7	5
Nepal	5	1	1	3	2	4	4	2	0
Netherlands	4	4	4	3	3	1	5	1	8
New Zealand	4	2	0	5	5	4	10	8	7
Nigeria	82	56	43	67	99	116	136	162	155
Oman	13	9	11	14	27	32	64	51	52
Pakistan	157	108	120	159	167	150	175	160	154
Peru	1	3	3	6	5	2	5	0	0
Philippines	25	33	31	32	37	48	46	34	24
Poland	27	29	37	70	43	50	58	37	33
Portugal	0	0	0	2	0	0	5	4	6
Romania	49	37	25	33	8	16	13	6	5
Russia	38	32	36	40	34	42	30	16	17
Saba	51	73	64	69	92	100	107	61	70
Saint Kitts and Nevis	26	49	38	47	97	135	132	97	85
Saint Lucia	2	0	5	12	5	5	6	14	10
Saint Vincent and the Grenadines	0	0	0	0	2	9	2	4	7
Saudi Arabia	300	182	211	245	238	253	219	239	241
Senegal	1	5	4	0	6	4	0	0	1
Serbia	3	3	3	2	3	4	2	4	5
Sint Eustatius	7	6	7	5	13	18	18	18	8
Sint Maarten	9	13	6	12	9	34	18	8	18
South Africa	104	118	160	128	145	105	94	87	101
South Korea	7	2	3	2	2	1	3	1	1
Spain	1	2	1	0	2	2	5	1	3
Sri Lanka	23	15	19	24	25	23	18	15	11
Sudan	12	10	11	10	11	13	12	20	18
Switzerland	6	1	3	2	5	1	8	3	7
Syrian Arab Republic	21	19	17	13	22	21	20	14	12
Taiwan	2	5	6	2	0	3	3	1	2
Trinidad and Tobago	15	4	6	11	8	0	9	2	0
Tunisia	5	12	5	12	3	9	11	8	4
Turkey	4	8	2	8	6	5	6	3	5
Ukraine	27	17	24	28	19	31	25	9	12
United Arab Emirates	19	10	16	25	18	17	22	20	15
United Kingdom	86	63	96	76	75	118	121	114	126
USA	4	1	1	1	5	4	4	11	11
Venezuela	9	12	4	2	7	3	7	3	10
Vietnam	3	2	2	0	0	3	1	5	2
Zimbabwe	6	2	4	2	1	5	1	1	1
Other countries*	73	59	61	67	48	57	60	49	48

*Countries where the number was less than 5 in all of the years presented above.

HIGHLIGHTS:

In 2015, the following countries had the highest representation of IMGs who passed the MCCCE: Saudi Arabia (241), Ireland (197), Iran (180), India (164), Nigeria (155), and Pakistan (154).

A2. IMGs who passed MCCEE by country of MD degree – Report Year 2015



A3. IMGs PASSING MCC EXAMS

IMGs who passed MCCQE1 by country of MD degree
Report Years 2007 to 2015

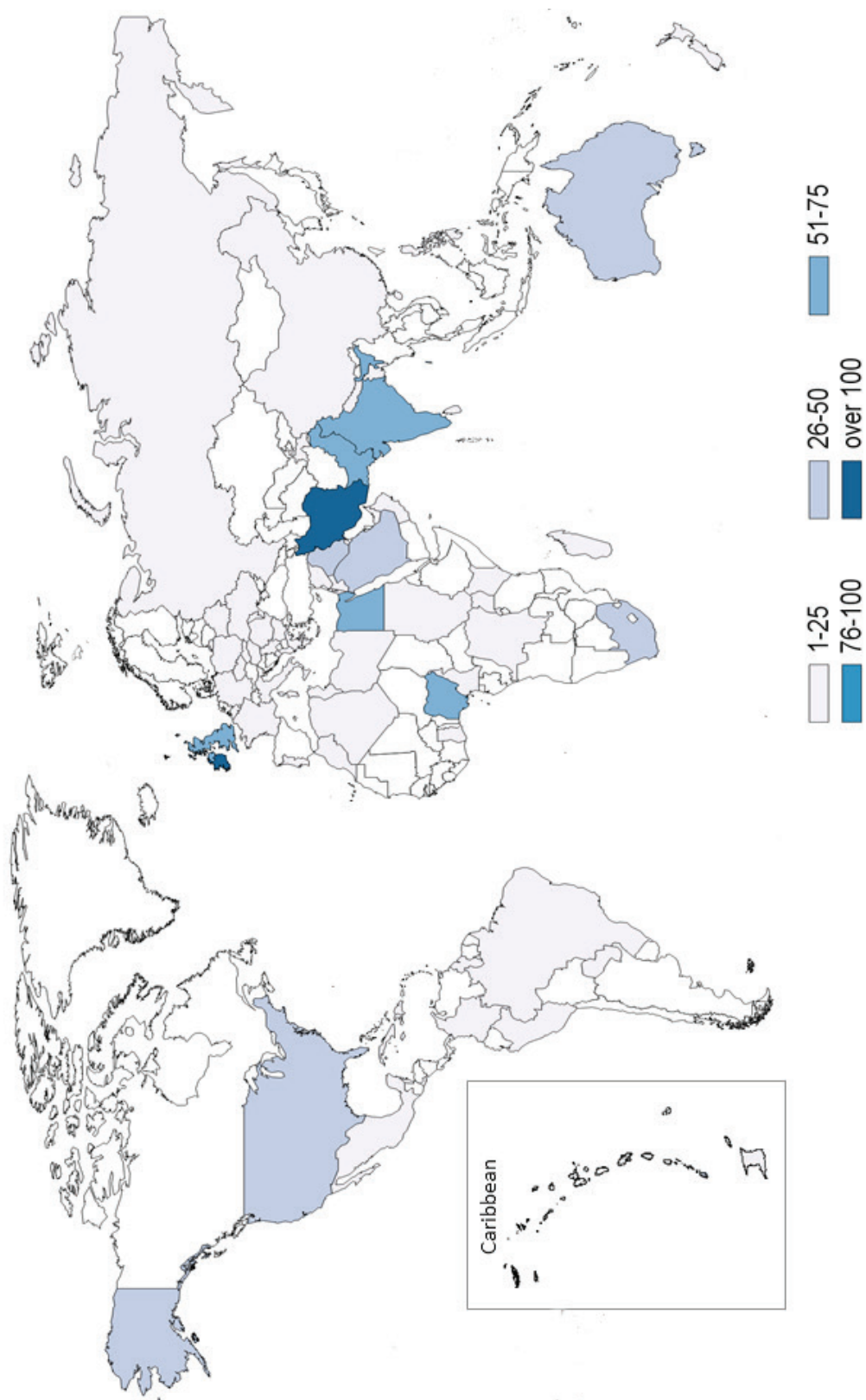
M.D. Country	Passed MCCQE1								
	2007	2008	2009	2010	2011	2012	2013	2014	2015
Albania	1	1	1	5	4	1	0	1	1
Algeria	10	12	7	13	11	9	18	8	6
Antigua and Barbuda	1	2	1	2	6	7	12	5	10
Argentina	7	6	0	4	3	0	1	1	0
Armenia	2	2	1	6	2	3	0	4	0
Aruba	0	0	1	4	11	4	6	8	5
Australia	26	25	35	36	48	47	58	65	45
Bahrain	3	3	0	1	3	4	9	11	3
Bangladesh	18	15	14	21	27	23	24	22	12
Belarus	3	5	2	5	10	7	1	4	1
Bonaire	1	1	2	7	4	6	8	7	6
Brazil	6	8	14	5	9	10	9	4	8
Bulgaria	7	9	2	8	7	2	6	0	1
Cayman Islands	1	4	2	13	8	4	8	7	5
China	54	44	22	32	24	14	28	17	6
Colombia	23	15	16	9	12	17	9	10	5
Cuba	1	3	3	10	6	7	6	3	4
Czech Republic	3	6	3	1	2	3	3	0	1
Democratic Republic Congo	2	2	4	2	1	8	8	4	3
Dominica	1	9	6	13	23	35	26	33	25
Dominican Republic	4	2	1	4	6	2	1	2	1
Egypt	106	87	66	97	102	115	96	72	52
El Salvador	0	1	2	4	5	1	3	0	1
France	8	3	3	0	2	2	2	0	2
Germany	7	18	9	12	7	10	11	4	5
Grenada	17	16	20	25	46	69	71	44	55
Guyana	2	5	0	2	3	2	6	0	1
Haiti	4	2	3	5	5	5	9	1	3
Hungary	4	0	2	6	6	7	6	3	10
India	89	96	66	86	99	85	84	66	69
Iran	95	96	79	122	121	104	97	86	109
Iraq	44	41	33	54	66	59	44	31	28
Ireland	35	53	31	56	88	111	114	118	119
Israel	4	3	4	8	5	4	9	5	4
Italy	1	0	1	0	5	1	1	1	1
Jamaica	2	1	3	8	3	5	4	3	5
Jordan	4	4	1	10	7	6	4	2	4
Kazakhstan	3	5	1	3	0	0	2	1	0
Kuwait	2	4	1	4	2	5	0	6	2
Lebanon	3	2	2	7	3	5	3	5	6
Libya	26	32	27	35	12	13	13	8	11
Mexico	2	7	7	10	14	3	4	4	4

A3 – continued

Moldova	8	4	4	4	2	8	2	4	1
Morocco	7	7	1	5	3	3	4	3	5
Myanmar	7	1	3	0	0	1	0	0	0
Nigeria	40	39	19	38	49	44	70	63	52
Oman	5	1	4	0	4	2	3	2	4
Pakistan	72	82	58	98	102	97	105	82	67
Peru	4	0	2	5	1	3	0	1	1
Philippines	19	16	9	23	30	25	17	20	8
Poland	17	25	10	25	38	32	28	29	10
Romania	31	32	22	27	16	15	6	5	2
Russia	27	32	23	29	37	22	20	16	7
Saba	12	38	26	33	51	51	62	62	47
Saint Kitts and Nevis	3	5	8	20	23	43	58	42	48
Saint Lucia	0	2	0	4	4	6	4	5	4
Saudi Arabia	16	37	28	31	43	51	68	39	36
Senegal	1	1	1	5	2	1	2	0	0
Serbia	5	2	4	3	3	2	4	0	2
Sint Eustatius	2	4	2	3	6	7	7	8	5
Sint Maarten	4	2	2	4	7	7	4	12	5
South Africa	100	80	112	90	78	71	56	46	45
South Korea	5	2	2	2	2	0	1	0	0
Sri Lanka	11	18	15	21	19	24	11	8	11
Sudan	9	6	8	6	7	6	5	2	9
Switzerland	6	1	3	1	0	1	2	3	0
Syrian Arab Republic	11	13	6	12	13	17	14	8	10
Trinidad and Tobago	8	7	4	7	4	4	2	2	1
Tunisia	2	3	3	4	4	3	8	2	5
Turkey	5	2	3	6	6	6	1	0	0
Ukraine	15	18	12	15	22	11	21	7	4
United Arab Emirates	1	2	3	6	8	5	7	5	6
United Kingdom	42	38	43	57	56	36	71	60	71
USA	32	33	24	24	28	53	37	46	49
Venezuela	5	7	3	1	4	2	7	2	0
Other countries*	61	47	48	56	65	54	38	49	27

*Countries where the number was less than 5 in all of the years presented above.

A3. IMGs who passed MCCQE1 by country of MD degree – Report Year 2015



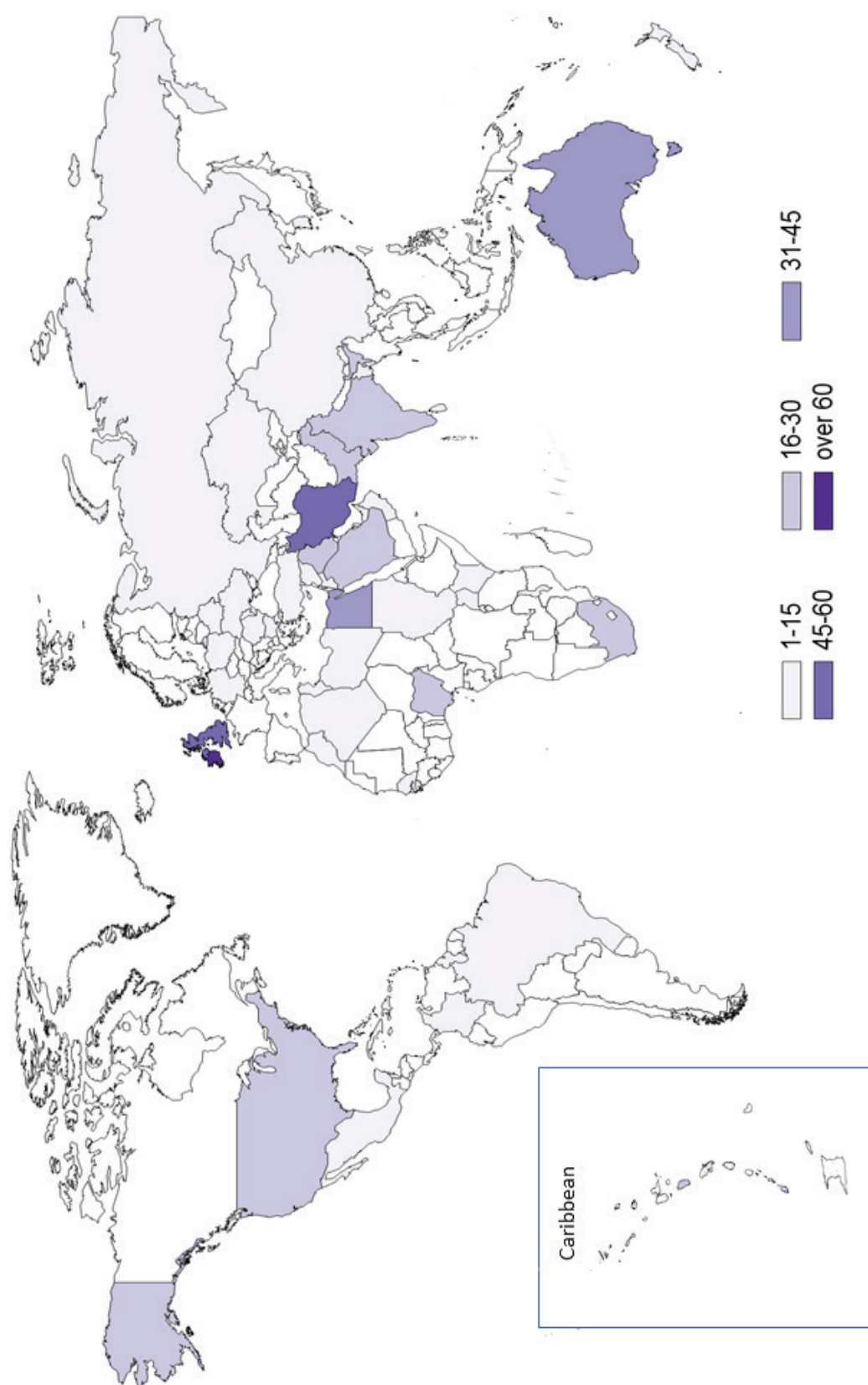
A4. IMGs PASSING MCC EXAMS

IMGs who passed MCCQEII by country of MD degree
Report Years 2007 to 2015

M.D. Country	Passed MCCQEII								
	2007	2008	2009	2010	2011	2012	2013	2014	2015
Albania	5	2	2	2	2	1	2	0	0
Algeria	10	6	14	10	7	8	4	11	3
Antigua and Barbuda	2	0	0	1	0	3	2	0	6
Argentina	3	5	6	3	5	1	2	1	0
Australia	15	21	23	22	19	27	22	27	35
Bangladesh	10	7	20	8	7	11	14	14	4
Brazil	4	4	5	2	1	4	3	10	3
Bulgaria	7	7	8	4	2	2	1	2	1
China	12	13	27	13	10	9	12	6	7
Colombia	10	16	10	9	8	8	8	5	3
Cuba	4	6	2	4	4	2	2	4	1
Czech Republic	5	2	7	2	0	0	0	1	0
Democratic Republic Congo	5	1	3	1	2	0	5	4	0
Dominica	5	3	2	4	5	7	6	7	18
Egypt	73	60	63	41	52	59	48	52	38
Germany	3	7	6	6	6	3	3	5	3
Grenada	7	6	7	7	9	31	20	16	27
India	65	72	62	62	41	54	33	39	18
Iran	52	50	77	59	58	77	58	59	57
Iraq	23	23	46	32	31	37	28	27	18
Ireland	28	31	52	29	44	53	45	63	63
Israel	2	2	1	3	4	5	1	6	1
Libya	43	23	37	24	29	12	8	5	2
Mexico	2	3	3	1	5	4	2	3	1
Moldova	2	3	0	5	1	2	2	4	1
Morocco	4	2	5	3	4	6	2	0	1
Nigeria	18	22	24	7	18	28	28	38	24
Pakistan	48	51	69	45	42	50	43	39	30
Philippines	12	10	7	3	6	9	4	7	2
Poland	9	16	19	13	11	10	19	11	11
Romania	28	24	30	23	23	14	3	4	4
Russia	13	21	22	14	13	17	10	8	6
Saba	5	9	21	13	24	25	17	23	28
Saint Kitts and Nevis	2	1	3	5	6	10	12	10	20
Saudi Arabia	19	16	28	22	25	31	42	39	29
Sint Maarten	4	2	3	3	2	3	1	5	1
South Africa	97	85	80	85	59	67	28	23	25
Sri Lanka	8	14	7	8	12	9	8	5	7
Sudan	7	5	3	4	1	1	0	1	2
Syrian Arab Republic	6	3	8	3	2	7	5	11	1
Trinidad and Tobago	9	1	4	6	3	1	2	3	0
Turkey	3	3	2	0	2	2	5	2	1
Ukraine	12	12	8	10	9	10	1	4	3
United Arab Emirates	3	2	2	2	4	4	5	3	1
United Kingdom	26	35	39	37	31	44	23	39	47
USA	19	30	19	11	14	21	15	22	19
Venezuela	1	1	2	6	3	1	0	1	0
Other countries*	63	75	68	88	70	82	62	50	44

*Countries where the number was less than 5 in all of the years presented above.

A4. IMGs who passed MCCQEII by country of MD degree – Report Year 2015

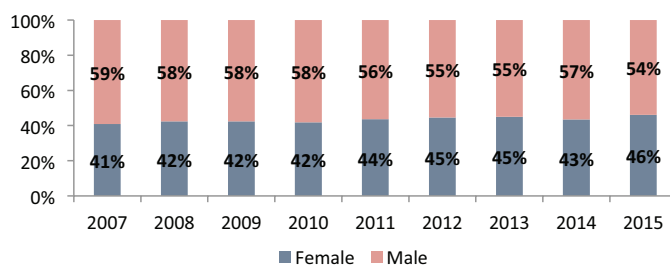


A5. IMGs PASSING MCC EXAMS

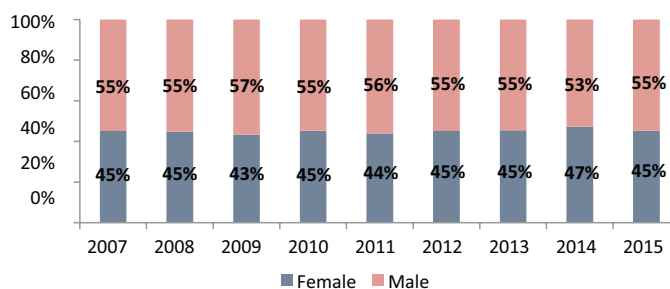
Gender of those who passed MCC exams
Report Years 2007 to 2015

MCC Exam	2007	2008	2009	2010	2011	2012	2013	2014	2015
Passed MCCEE									
Female	992	840	931	1033	1179	1310	1303	1164	1230
Male	1433	1144	1265	1435	1521	1628	1591	1515	1437
Total	2425	1984	2196	2468	2700	2938	2894	2679	2667
Passed MCCQEI									
Female	553	563	439	643	687	695	713	619	535
Male	672	694	574	777	878	843	856	690	646
Total	1225	1257	1013	1420	1565	1538	1569	1309	1181
Passed MCCQEII									
Female	361	381	430	357	354	380	301	336	305
Male	452	432	526	408	382	492	365	383	311
Total	813	813	956	765	736	872	666	719	616

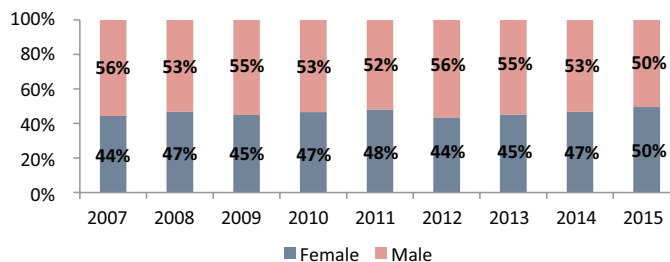
Percentage passing MCCEE by gender



Percentage passing MCCQEI by gender



Percentage passing MCCQEII by gender



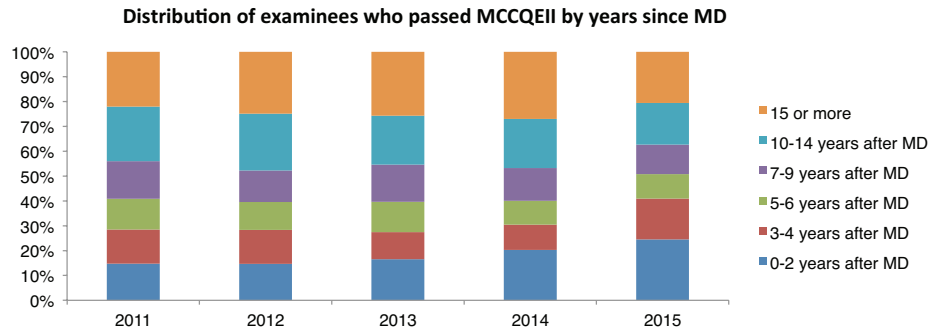
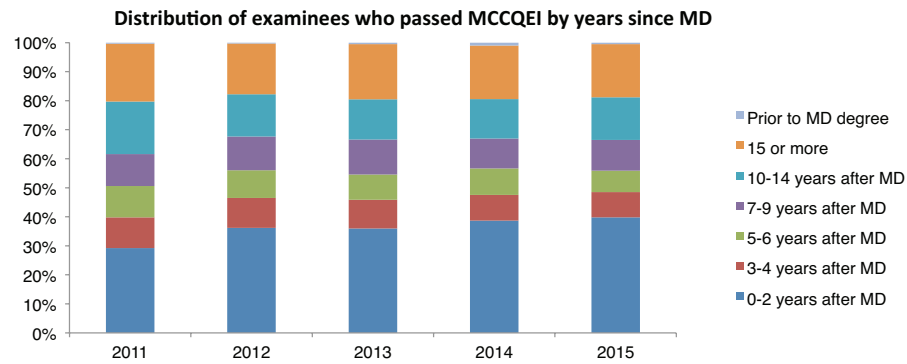
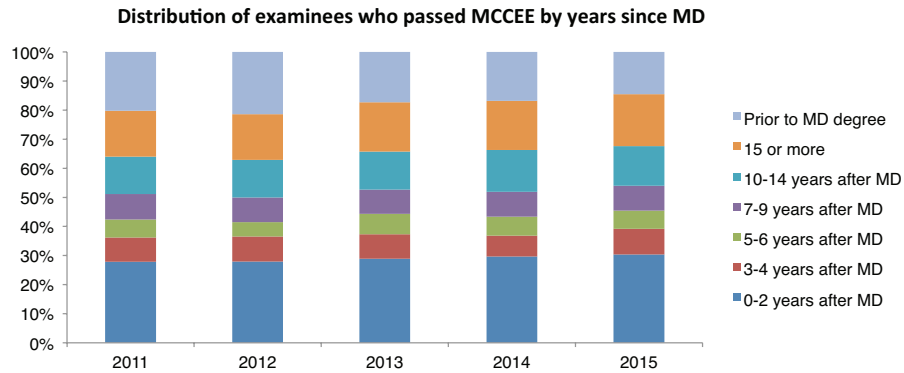
HIGHLIGHTS:

Females represent a higher proportion of those passing the MCCQEII compared to both the MCCEE and MCCQEI. They accounted for half of all those who passed the MCCQEII in 2015.

A6. IMGs PASSING MCC EXAMS

IMGs by years since M.D. earned and by exam passed
Report Years 2011 to 2015

	2011		2012		2013		2014		2015	
	#	%	#	%	#	%	#	%	#	%
Passed MCCEE										
0-2 years	751	27.8%	820	27.9%	836	28.9%	795	29.7%	810	30.4%
3-4 years	225	8.3%	254	8.6%	245	8.5%	192	7.2%	235	8.8%
5-6 years	166	6.1%	145	4.9%	202	7.0%	175	6.5%	168	6.3%
7-9 years	237	8.8%	249	8.5%	241	8.3%	229	8.5%	227	8.5%
10-14 years	347	12.9%	378	12.9%	378	13.1%	385	14.4%	363	13.6%
15-19 years	215	8.0%	254	8.6%	286	9.9%	246	9.2%	252	9.4%
20-24 years	138	5.1%	120	4.1%	136	4.7%	146	5.4%	131	4.9%
25-39 years	69	2.6%	87	3.0%	68	2.3%	59	2.2%	93	3.5%
40 + years	2	0.1%	0	0.0%	1	0.0%	1	0.0%	2	0.1%
Passed prior to earning MD	546	20.2%	630	21.4%	501	17.3%	451	16.8%	386	14.5%
Not available	4	0.1%	1	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	2700	100.0%	2938	100.0%	2894	100.0%	2679	100.0%	2667	100.0%
Passed MCCQE I										
0-2 years	458	29.3%	557	36.2%	565	36.0%	506	38.7%	470	39.8%
3-4 years	165	10.5%	158	10.3%	155	9.9%	115	8.8%	103	8.7%
5-6 years	169	10.8%	147	9.6%	136	8.7%	120	9.2%	87	7.4%
7-9 years	173	11.1%	179	11.6%	189	12.0%	134	10.2%	125	10.6%
10-14 years	283	18.1%	224	14.6%	218	13.9%	178	13.6%	174	14.7%
15-19 years	168	10.7%	140	9.1%	167	10.6%	134	10.2%	112	9.5%
20-24 years	88	5.6%	80	5.2%	82	5.2%	72	5.5%	70	5.9%
25-39 years	55	3.5%	48	3.1%	49	3.1%	35	2.7%	34	2.9%
40 + years	0	0.0%	1	0.1%	0	0.0%	0	0.0%	0	0.0%
Passed prior to earning MD	6	0.4%	4	0.3%	8	0.5%	15	1.1%	6	0.5%
Not available	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	1565	100.0%	1538	100.0%	1569	100.0%	1309	100.0%	1181	100.0%
Passed MCCQE II										
			0		0					
0-2 years	108	14.7%	128	14.7%	110	16.5%	146	20.3%	151	24.5%
3-4 years	101	13.7%	119	13.6%	73	11.0%	73	10.2%	101	16.4%
5-6 years	91	12.4%	98	11.2%	81	12.2%	69	9.6%	61	9.9%
7-9 years	111	15.1%	111	12.7%	100	15.0%	95	13.2%	73	11.9%
10-14 years	161	21.9%	199	22.8%	131	19.7%	142	19.7%	103	16.7%
15-19 years	89	12.1%	100	11.5%	108	16.2%	99	13.8%	72	11.7%
20-24 years	48	6.5%	72	8.3%	41	6.2%	64	8.9%	41	6.7%
25-39 years	24	3.3%	45	5.2%	22	3.3%	31	4.3%	14	2.3%
40 + years	1	0.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Not available	2	0.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	736	100.0%	872	100.0%	666	100.0%	719	100.0%	616	100.0%



HIGHLIGHTS:

The proportion that has passed exams within two years of their MD degree has increased in recent years for MCCEE, MCCQEI and MCCQEII. Both the MCCQEI and the MCCQEII saw an increase of 10 percentage points between 2011 and 2015.



IMGs IN POST-M.D. TRAINING

The Canadian Post-M.D. Education Registry (CAPER) is a longitudinal database of postgraduate trainees based on annual files submitted by the 17 Canadian faculties of medicine since 1988. To be included in the database, the individual trainees must have completed their medical degree either in Canada or in another country (international medical graduate) and are enrolled in postgraduate training at any rank level or as a fellow. A fellow is defined as a trainee who, regardless of the source of funding, is pursuing clinical or research training which will not be evaluated by the supervising faculty for the purpose of Canadian licensure or certification by the College of Family Physicians of Canada, the Collège des médecins du Québec or the Royal College of Physicians and Surgeons of Canada.

Unless otherwise indicated the counts shown on tables of Section B are as of November of each year.

Key data elements of the annual CAPER files:

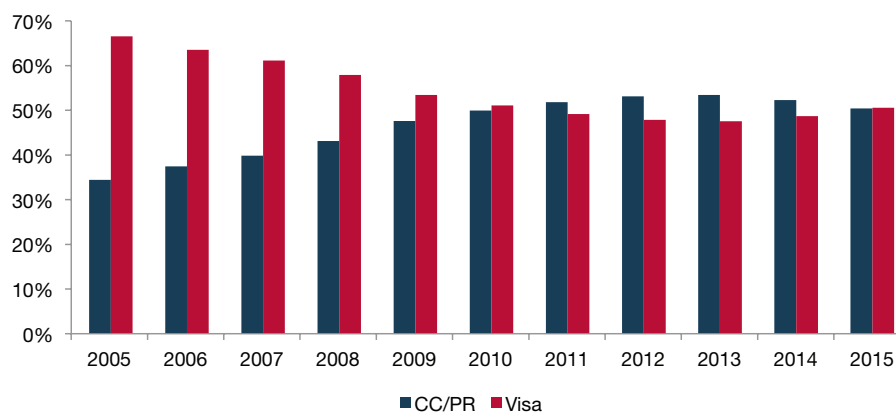
- Name
- MINC (Medical Identification Number of Canada)
- Field of training (specialty)
- Rank level of training
- Faculty of post-M.D. training
- School of MD degree
- Country of MD degree
- Year of MD degree
- Legal status
- Source of funding
- Gender
- Age

B1. IMGs IN POST-M.D. TRAINING

Legal status for years 2005 to 2015

	Canadian citizen/ permanent resident		Visa trainee		Total	
	#	%	#	%	#	%
2005	1073	34%	2077	66%	3150	100%
2006	1247	37%	2118	63%	3365	100%
2007	1450	39%	2226	61%	3676	100%
2008	1628	43%	2188	57%	3816	100%
2009	1916	47%	2151	53%	4067	100%
2010	2012	49%	2058	51%	4070	100%
2011	2139	51%	2028	49%	4167	100%
2012	2233	53%	2012	47%	4245	100%
2013	2340	53%	2083	47%	4423	100%
2014	2344	52%	2183	48%	4527	100%
2015	2262	50%	2270	50%	4532	100%

Legal status for years 2005 to 2015



HIGHLIGHTS:

There has been a decline in the proportion of visa trainees relative to all IMGs in Canadian postgraduate training. As of 2015 the proportions are virtually equal.

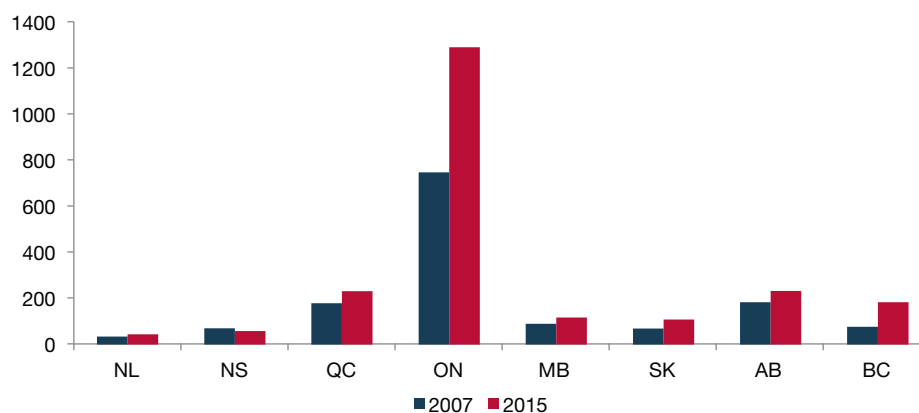
B2. IMGs IN POST-M.D. TRAINING

Canadian citizen/permanent residents* by province and faculty
Report Years 2007 to 2015

	2007	2008	2009	2010	2011	2012	2013	2014	2015
Newfoundland & Labrador	35	47	52	55	59	58	50	52	44
Memorial	35	47	52	55	59	58	50	52	44
Nova Scotia	71	74	78	73	73	63	69	67	59
Dalhousie	71	74	78	73	73	63	69	67	59
Quebec	179	212	246	249	223	259	281	274	231
Laval	29	40	49	46	47	46	39	35	39
Sherbrooke	32	42	45	50	40	37	42	40	30
Montréal	73	68	76	74	55	79	98	93	56
McGill	45	62	76	79	81	97	102	106	106
Ontario	746	811	962	1047	1166	1223	1281	1295	1287
Ottawa	116	117	145	156	170	180	200	196	191
Queens	75	69	78	85	95	102	106	102	102
Toronto	298	363	424	458	516	518	539	545	542
McMaster	137	131	151	158	170	195	208	224	225
Western	117	121	137	157	180	185	187	196	194
NOSM	3	10	27	33	35	43	41	32	33
Manitoba	90	108	119	116	140	132	127	133	117
Manitoba	90	108	119	116	140	132	127	133	117
Saskatchewan	69	82	90	96	105	104	112	118	109
Saskatchewan	69	82	90	96	105	104	112	118	109
Alberta	183	210	256	251	248	255	250	237	232
Alberta	120	136	159	145	145	156	141	131	130
Calgary	63	74	97	106	103	99	109	106	102
British Columbia	77	84	113	125	125	139	170	168	183
UBC	77	84	113	125	125	139	170	168	183
Canada	1450	1628	1916	2012	2139	2233	2340	2344	2262

* excludes visa trainees

Canadian citizen/permanent residents* by province - 2007 and 2015



HIGHLIGHTS:

Dalhousie has seen a steady decline in the number of IMG trainees whereas NOSM, McGill, and UBC have more than doubled their IMGs between 2007 and 2015.

B3. IMGs IN POST-M.D. TRAINING

Canadian citizen/permanent resident* IMG residents and fellows by faculty of post-M.D. training
Report Years 2007 to 2015

Faculty		2007	2008	2009	2010	2011	2012	2013	2014	2015
Memorial	Residents	35	47	52	55	59	58	50	52	43
	Fellows	0	0	0	0	0	0	0	0	1
	Total	35	47	52	55	59	58	50	52	44
Dalhousie	Residents	71	72	76	71	72	63	68	63	57
	Fellows	0	2	2	2	1	0	1	4	2
	Total	71	74	78	73	73	63	69	67	59
Laval	Residents	29	40	46	43	46	42	36	33	36
	Fellows	0	0	3	3	1	4	3	2	3
	Total	29	40	49	46	47	46	39	35	39
Sherbrooke	Residents	32	41	44	49	40	37	41	40	29
	Fellows	0	1	1	1	0	0	1	0	1
	Total	32	42	45	50	40	37	42	40	30
Montréal	Residents	69	64	68	61	50	49	44	35	46
	Fellows	4	4	8	13	5	30	54	58	10
	Total	73	68	76	74	55	79	98	93	56
McGill	Residents	41	60	74	77	78	91	91	93	90
	Fellows	4	2	2	2	3	6	11	13	16
	Total	45	62	76	79	81	97	102	106	106
Ottawa	Residents	104	100	125	136	141	154	171	171	167
	Fellows	12	17	20	20	29	26	29	25	24
	Total	116	117	145	156	170	180	200	196	191
Queens	Residents	73	67	78	85	94	99	101	98	96
	Fellows	2	2	0	0	1	3	5	4	6
	Total	75	69	78	85	95	102	106	102	102
Toronto	Residents	204	247	299	327	356	347	367	351	351
	Fellows	94	116	125	131	160	171	172	194	191
	Total	298	363	424	458	516	518	539	545	542
McMaster	Residents	116	116	132	141	155	172	179	199	193
	Fellows	21	15	19	17	15	23	29	25	32
	Total	137	131	151	158	170	195	208	224	225
Western	Residents	107	115	130	148	161	167	168	174	168
	Fellows	10	6	7	9	19	18	19	22	26
	Total	117	121	137	157	180	185	187	196	194
NOSM	Residents	3	10	27	33	35	43	41	32	33
	Fellows	0	0	0	0	0	0	0	0	0
	Total	3	10	27	33	35	43	41	32	33
Manitoba	Residents	90	107	117	116	138	130	126	128	112
	Fellows	0	1	2	0	2	2	1	5	5
	Total	90	108	119	116	140	132	127	133	117
Saskatchewan	Residents	69	82	90	96	105	104	112	118	109
	Fellows	0	0	0	0	0	0	0	0	0
	Total	69	82	90	96	105	104	112	118	109
Alberta	Residents	112	130	144	133	128	130	124	115	111
	Fellows	8	6	15	12	17	26	17	16	19
	Total	120	136	159	145	145	156	141	131	130
Calgary	Residents	60	69	87	89	85	84	94	89	86
	Fellows	3	5	10	17	18	15	15	17	16
	Total	63	74	97	106	103	99	109	106	102
UBC	Residents	69	73	106	111	109	122	140	142	162
	Fellows	8	11	7	14	16	17	30	26	21
	Total	77	84	113	125	125	139	170	168	183
All faculties	Residents	1284	1440	1695	1771	1852	1892	1953	1933	1889
	Fellows	166	188	221	241	287	341	387	411	373
	Total	1450	1628	1916	2012	2139	2233	2340	2344	2262

* Excludes visa trainees

HIGHLIGHTS:

In the last few years, medical schools experienced a leveling out in the number of IMG residents, with one notable exception; UBC saw steady increases in the number of fellows since 2007. In 2015, U of Toronto had by far the largest number of Canadian citizen/permanent resident fellows (191) which comprised over half of all fellows in Canada.

B4. IMGs IN POST-M.D. TRAINING

Canadian citizen/permanent residents* by country of M.D. degree
Report Years 2007 to 2015

M.D. Country	2007	2008	2009	2010	2011	2012	2013	2014	2015
Albania	9	9	9	4	4	4	4	4	1
Algeria	20	26	32	33	28	23	21	18	22
Antigua and Barbuda	1	0	2	3	3	5	7	13	15
Argentina	13	13	14	14	13	11	14	12	10
Aruba	0	0	1	3	6	7	6	8	9
Australia	27	35	63	77	94	116	140	151	151
Bahrain	0	0	1	1	0	4	8	9	10
Bangladesh	10	9	10	17	17	15	14	10	5
Belarus	7	6	8	7	6	5	5	3	5
Belgium	3	2	2	2	5	8	3	2	2
Belize	0	3	3	6	6	5	2	5	7
Bonaire	0	0	1	2	3	5	8	8	8
Bosnia-Herzegovina	4	4	3	4	6	4	3	3	3
Brazil	14	14	17	22	22	24	25	28	31
Bulgaria	18	18	22	24	19	18	13	9	8
Cayman Islands	0	1	5	6	7	8	7	6	9
Chile	3	4	4	5	4	8	7	6	3
China	51	50	52	55	60	56	49	39	35
Colombia	31	36	41	43	49	43	40	40	38
Croatia	2	3	4	2	1	2	6	4	2
Cuba	9	9	11	8	8	11	9	10	8
Czech Republic	13	12	11	9	7	5	4	4	3
Democratic Republic Congo	6	5	8	9	6	4	1	2	3
Dominica	5	6	12	12	21	25	27	38	54
Dominican Republic	10	8	9	8	6	4	2	3	3
Egypt	72	81	96	104	111	124	121	117	115
Ethiopia	9	8	8	5	2	2	1	0	1
France	5	7	10	7	5	9	22	15	6
Germany	9	11	19	19	22	25	23	20	18
Grenada	10	11	28	37	53	62	75	89	88
Guyana	3	4	6	4	4	1	1	3	5
Haiti	7	6	8	6	6	8	8	9	9
Hungary	9	6	3	4	6	6	7	8	7
India	138	141	156	147	136	133	126	108	91
Iran	134	157	175	174	170	166	179	159	144
Iraq	31	31	34	36	36	34	39	40	43
Ireland	61	90	99	146	183	233	277	305	326
Israel	6	9	14	14	15	12	16	15	15
Italy	5	4	6	6	5	6	6	4	7
Jamaica	6	3	4	5	8	8	5	7	5
Jordan	2	4	8	10	11	11	11	13	10
Kuwait	4	3	3	3	3	2	2	5	4
Lebanon	7	6	10	9	10	14	13	15	15
Libya	16	17	22	18	17	24	27	16	14
Mexico	6	10	12	8	9	12	13	13	13

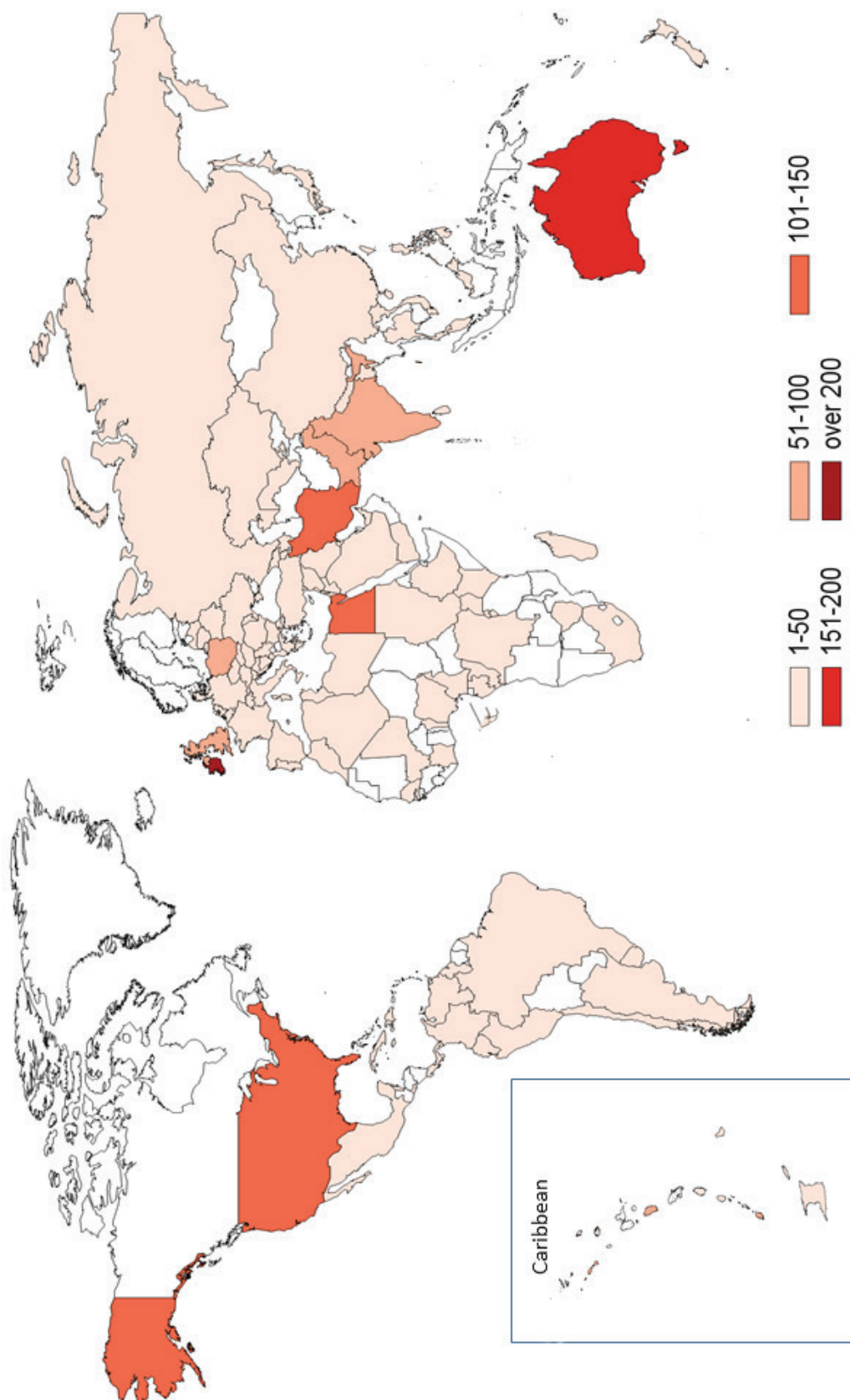
B4 – continued

Moldova	5	5	6	7	7	8	11	12	8
Morocco	8	11	11	13	13	11	8	9	10
New Zealand	1	1	1	3	2	2	2	6	9
Nigeria	16	23	22	20	27	28	25	24	22
Pakistan	89	105	105	104	96	86	86	73	63
Peru	3	3	4	5	5	3	2	1	2
Philippines	26	23	26	24	22	19	22	20	13
Poland	42	49	48	51	63	62	62	66	60
Romania	82	93	89	80	73	69	54	43	30
Russia	37	39	50	42	41	44	42	30	22
Saba	23	33	52	64	81	93	94	96	88
Saint Kitts and Nevis	5	12	21	21	31	41	59	67	65
Saint Lucia	4	4	3	4	8	8	3	6	6
Saudi Arabia	7	15	19	24	25	33	32	35	27
Serbia	9	11	7	6	7	6	5	5	6
Sint Eustatius	1	4	3	4	9	5	4	10	12
Sint Maarten	4	5	3	6	3	4	7	7	5
Slovakia	5	8	11	10	7	8	9	5	2
South Africa	29	26	40	31	28	25	28	29	27
Spain	2	2	4	5	4	4	4	4	4
Sri Lanka	15	14	16	19	20	14	9	9	6
Sudan	8	8	10	10	9	10	7	6	5
Switzerland	9	6	4	8	4	4	7	7	5
Syrian Arab Republic	12	7	9	8	9	10	14	9	9
Taiwan	2	1	1	1	1	2	3	5	4
Trinidad and Tobago	11	8	11	13	17	11	9	7	8
Tunisia	13	17	15	13	15	9	11	11	14
Turkey	6	4	5	4	4	5	5	9	8
Ukraine	30	31	30	29	26	23	21	24	23
United Arab Emirates	3	2	3	2	3	7	7	11	11
United Kingdom	33	46	58	60	74	83	102	95	94
USA	51	55	70	90	110	112	111	124	130
Uruguay	1	2	4	6	4	2	1	1	1
Venezuela	6	7	10	12	9	5	12	13	11
Other countries**	56	66	79	75	69	65	65	69	71

* Excludes visa trainees

**Countries where the number of CC/PR trainees was less than 5 in all of the years presented above.

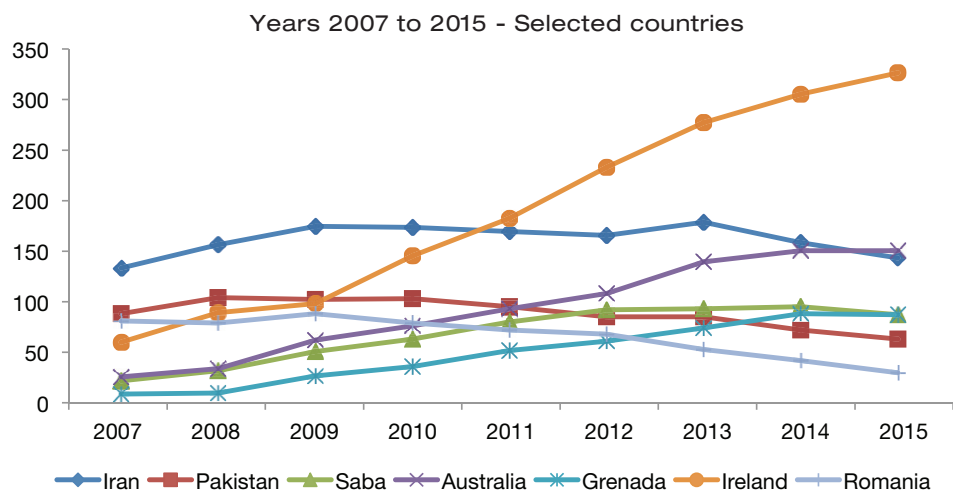
B4. IMG Trainees by Country of MD Degree (excluding visa trainees) – Report Year 2015



B4i. IMGs IN POST-M.D. TRAINING

Top ten countries of M.D. degree for Canadian citizen/permanent resident trainees
Selected Report Years 2007 to 2015 – Top Ten countries by volume of IMGs

2007		2010		2013		2014		2015	
Top 10 countries	# IMGs	Top 10 countries	#IMGs	Top 10 countries	#IMGs	Top 10 countries	#IMGs	Top 10 countries	#IMGs
India	138	Iran	174	Ireland	277	Ireland	305	Ireland	326
Iran	134	India	147	Iran	179	Iran	159	Australia	151
Pakistan	89	Ireland	146	Australia	140	Australia	151	Iran	144
Romania	82	Egypt	104	India	126	USA	124	USA	130
Egypt	72	Pakistan	104	Egypt	121	Egypt	117	Egypt	115
Ireland	61	USA	90	USA	111	India	108	UK	94
China	51	Romania	80	UK	102	Saba	96	India	91
USA	51	Australia	77	Saba	94	UK	95	Saba	88
Poland	42	Saba	64	Pakistan	86	Grenada	89	Grenada	88
Russia	37	UK	60	Grenada	75	Pakistan	73	St. Kitts & Nevis	65



HIGHLIGHTS:

For the latest three years, Ireland, Iran and Australia have been the top three source countries for Canadian citizen/permanent resident IMGs, with Ireland counts approximately double the other two countries in 2014 and 2015.

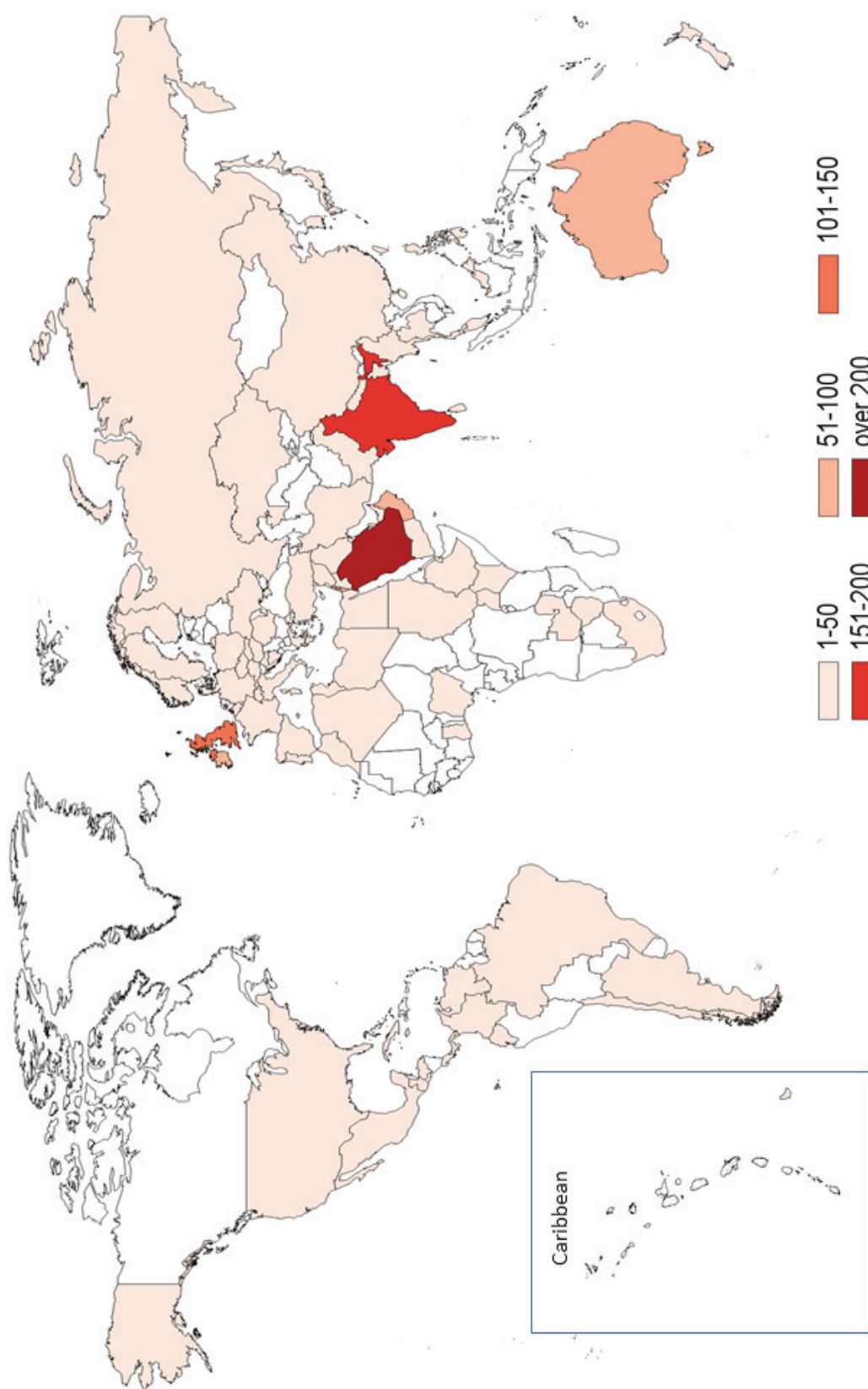
B4ii. IMGs IN POST-M.D. TRAINING

Visa trainees by country of M.D. degree
Report Years 2007 to 2015

M.D. Country	2007	2008	2009	2010	2011	2012	2013	2014	2015
Algeria	3	5	3	5	4	2	1	3	1
Argentina	17	23	22	16	15	12	14	19	27
Australia	81	89	87	91	98	87	100	79	85
Bahrain	27	31	30	24	24	22	22	17	18
Barbados	5	6	3	1	2	5	2	2	2
Belgium	14	20	19	16	12	9	17	14	12
Brazil	46	46	50	43	42	34	44	39	43
Chile	15	17	9	13	13	19	19	22	17
China	25	40	33	30	25	24	22	21	18
Colombia	18	14	13	13	10	11	16	19	20
Costa Rica	13	8	9	5	5	6	6	4	3
Czech Republic	3	1	2	1	2	1	2	1	5
Egypt	43	45	48	31	31	20	22	19	29
France	34	36	37	27	30	24	21	18	43
Germany	30	27	25	19	25	30	23	24	24
Greece	5	3	8	8	6	7	9	12	7
Hungary	1	3	6	5	5	5	6	11	12
India	158	143	137	134	136	143	168	184	174
Iran	8	5	3	10	8	6	5	2	5
Iraq	7	3	2	7	10	8	5	3	2
Ireland	101	79	77	85	89	83	77	86	86
Israel	55	56	61	56	62	64	67	76	78
Italy	19	15	28	28	21	19	24	28	25
Jamaica	11	9	14	17	12	9	13	12	11
Japan	40	47	45	58	47	39	51	53	49
Jordan	17	17	16	15	16	14	14	12	17
Kenya	3	1	2	2	2	2	2	5	4
Kuwait	71	64	58	50	41	38	31	30	42
Lebanon	19	14	11	9	4	5	9	9	12
Libya	109	98	80	61	42	25	15	10	7
Malaysia	3	3	1	2	3	5	6	5	3
Mexico	18	20	17	15	22	15	14	18	20
Morocco	1	3	3	2	2	0	2	2	5
Netherlands	7	13	15	11	15	12	7	16	16
New Zealand	12	14	23	24	22	14	31	22	30
Nigeria	3	2	3	8	6	8	4	4	6
Oman	84	68	59	49	54	64	71	87	97
Pakistan	27	28	30	23	16	18	23	16	21
Philippines	14	12	9	4	7	10	10	13	13
Poland	2	1	1	1	2	4	5	5	2
Portugal	1	1	3	5	4	3	5	8	7
Romania	5	9	6	4	3	3	3	3	3
Russia	11	12	12	13	15	12	6	2	2
Saudi Arabia	659	645	644	648	660	680	676	742	756
Singapore	7	10	13	11	10	10	18	16	12
South Africa	10	18	16	20	17	19	19	24	18
South Korea	11	10	6	7	7	6	5	5	2
Spain	14	15	14	16	21	28	30	35	34
Sudan	2	1	1	4	3	4	8	8	11
Switzerland	23	33	30	23	25	19	19	23	23
Syrian Arab Republic	6	6	7	7	11	12	9	11	7
Thailand	41	36	27	30	30	36	21	18	21
Trinidad and Tobago	5	3	4	4	1	6	4	5	9
Tunisia	5	6	5	6	4	3	3	5	3
Turkey	12	7	4	2	4	6	4	3	4
Uganda	4	4	2	2	0	1	3	4	9
Ukraine	0	2	4	5	9	7	5	2	3
United Arab Emirates	28	25	24	23	22	23	22	24	26
United Kingdom	115	120	124	118	102	118	112	113	122
USA	47	41	52	44	45	44	58	57	48
Venezuela	2	3	5	3	1	3	2	3	3
Yemen	0	0	0	0	2	3	3	6	5
Other countries*	49	52	49	44	44	43	48	44	51

*Countries where the number of visa trainees was less than 5 in all report years.

B4ii. Visa Trainees by Country of MD Degree – Report Year 2015



B5. IMGs IN POST-M.D. TRAINING

Canadian citizen/permanent residents* by field of post-M.D. training
(includes fellows) Report Years 2011 to 2015

Field of training	2011	2012	2013	2014	2015
Family Medicine	496	517	534	524	489
Emergency Medicine (CFPC)	12	8	8	15	10
Care of the Elderly (CFPC)	2	2	5	5	3
Other Fam. Med. Training	21	24	20	20	19
Family Medicine subtotal	531	551	567	564	521
Palliative Medicine	3	0	6	2	4
Other Training subtotal	3	0	6	2	4
Anesthesiology	109	110	97	101	84
Critical Care (Anes.)	1	1	2	0	1
Public Health and Preventive Medicine	37	36	42	40	37
Dermatology	12	12	13	12	13
Diagnostic Radiology	56	61	62	68	75
Neuroradiology	3	1	6	3	3
Pediatric Radiology	6	3	6	5	3
Emergency Medicine (Royal College)	30	32	31	32	35
Critical Care (Emergency Med.)	0	1	1	0	1
Pediatric Emergency Medicine	0	0	2	1	1
Internal Medicine	230	210	222	231	232
Cardiology (Int.Med.)	44	60	64	57	50
Clin. Imm./Allergy (Int.Med.)	4	8	7	6	7
Clin. Pharm & Toxicology (Int.Med.)	3	2	4	3	3
Critical Care (Int.Med.)	14	16	12	16	21
Endocrinology/Met. (Int.Med.)	9	13	11	7	5
Gastroenterology (Int.Med.)	23	23	18	14	21
General Internal Medicine	10	23	33	33	29
Geriatric Medicine (Int.Med.)	5	4	11	12	9
Hematology (Int.Med.)	8	12	10	9	13
Infectious Diseases (Int.Med.)	0	2	4	6	8
Medical Oncology (Int.Med.)	10	13	21	25	27
Nephrology (Int.Med.)	16	17	15	20	21
Respirology (Int.Med.)	13	15	23	17	18
Rheumatology (Int.Med.)	17	17	17	16	20
Medical Genetics	13	12	13	10	12
Neurology	72	70	75	71	64
Neurology (Pediatrics)	19	18	21	21	14
Nuclear Medicine	3	5	8	7	8
Pediatrics	90	87	83	82	97
Adolescent Medicine (Ped.)	3	2	3	2	0
Cardiology (Ped.)	6	7	8	6	3
Clin. Imm./Allergy (Ped.)	1	2	1	1	1
Clinical Pharm & Toxicology (Ped.)	1	0	0	1	1
Critical Care (Ped.)	5	2	5	5	1
Endocrinology/Met. (Ped.)	4	3	3	0	0

B5 – continued

Gastroenterology (Ped.)	4	6	8	8	7
Developmental Pediatrics	1	3	3	4	1
Pediatric Emergency Med. (Ped.)	5	6	9	10	8
Hematology/Oncology (Ped.)	8	8	11	15	11
Infectious Diseases (Ped.)	1	1	1	4	2
Neonatal-Perinatal Med. (Ped.)	30	33	32	32	32
Nephrology (Ped.)	0	1	2	0	0
Respirology (Ped.)	1	1	2	1	3
Rheumatology (Ped.)	2	2	1	1	0
Physical Medicine & Rehab.	28	29	31	33	31
Psychiatry	167	178	199	201	210
Child and Adolescent Psychiatry	0	1	0	5	6
Forensic Psychiatry	0	0	0	1	4
Geriatric Psychiatry	0	1	3	3	1
Radiation Oncology	23	29	24	25	24
Medical Specialties subtotal	1147	1199	1280	1283	1278
Laboratory Medicine (Undifferentiated)	3	1	1	0	0
Anatomical Pathology	93	98	103	110	103
Forensic Pathology (Anat. Path.)	0	1	3	2	2
General Pathology	21	22	21	21	22
Hematological Pathology	10	9	12	8	10
Transfusion Medicine (Hem. Path.)	0	1	0	0	0
Medical Biochemistry	17	13	11	7	5
Medical Microbiology	8	12	14	13	18
Neuropathology	5	5	5	4	4
Lab Medicine subtotal	157	162	170	165	164
Cardiac Surgery	17	16	16	19	16
General Surgery	83	81	81	83	70
Colorectal Surgery	0	1	2	1	0
Critical Care (Surgery)	4	3	2	1	1
Critical Care (Cardiac Surg.)	1	0	0	0	0
Gen. Surgical Oncology	0	1	0	0	0
Pediatric Surgery	3	3	3	3	3
Thoracic Surgery	0	1	0	1	3
Vascular Surgery	2	5	8	9	10
Neurosurgery	20	22	22	22	17
Obstetrics/Gynecology	39	44	47	42	40
Gyn. Oncology	3	3	4	5	3
Gyn.Rep.Endocrin./Infertility	3	4	3	1	1
Maternal-Fetal Med. (Ob.)	3	1	7	8	2
Ophthalmology	12	15	12	18	14
Otolaryngology - Head and Neck Surgery	7	9	9	12	8
Orthopedic Surgery	78	82	74	79	84
Plastic Surgery	14	13	12	10	7
Urology	12	17	15	16	16
Surgical specialties subtotal	301	321	317	330	295
Total	2139	2233	2340	2344	2262

* Excludes visa trainees

HIGHLIGHTS:

There has been a steady increase in the number of IMGs training in medical specialties during the last 5 years, representing 57% of CC/PR in 2015.

B5i. IMGs IN POST-M.D. TRAINING

Visa trainees only by field of post-M.D. training (includes fellows)
Report Years 2011 to 2015

Field of training	2011	2012	2013	2014	2015
Family Medicine	7	11	4	10	10
Emergency Medicine (CFPC)	1	0	0	0	0
Care of the Elderly (CFPC)	3	0	1	0	0
Other Fam. Med. Training	4	4	4	2	4
Family Medicine subtotal	15	15	9	12	14
Palliative Medicine	2	6	3	0	3
Other Training subtotal	2	6	3	0	3
Anesthesiology	117	101	121	120	130
Critical Care (Anes.)	3	1	1	3	3
Pain Medicine (Anes.)	0	0	0	1	1
Public Health and Preventive Medicine	1	1	1	2	2
Dermatology	22	23	17	22	18
Diagnostic Radiology	112	128	121	115	122
Neuroradiology	20	23	20	14	16
Pediatric Radiology	18	16	17	26	26
Emergency Medicine (Royal College)	21	23	18	24	30
Critical Care (Emergency Med.)	3	0	1	2	3
Pediatric Emergency Medicine	0	1	0	0	1
Internal Medicine	98	97	90	95	100
Cardiology (Int.Med.)	162	132	146	143	177
Clin. Imm./Allergy (Int.Med.)	1	2	2	1	1
Clin. Pharm & Toxicology (Int.Med.)	1	0	1	2	1
Critical Care (Int.Med.)	34	33	34	43	39
Endocrinology/Met. (Int.Med.)	19	13	15	16	14
Gastroenterology (Int.Med.)	35	39	44	49	59
General Internal Medicine	0	2	0	3	1
Geriatric Medicine (Int.Med.)	2	3	3	2	2
Hematology (Int.Med.)	31	36	43	44	54
Infectious Diseases (Int.Med.)	14	13	10	7	14
Medical Oncology (Int.Med.)	48	44	55	44	48
Nephrology (Int.Med.)	40	52	50	61	57
Respirology (Int.Med.)	18	19	27	23	27
Rheumatology (Int.Med.)	11	14	19	22	23
Transfusion Medicine (Int. Med.)	1	1	1	1	0
Medical Genetics	10	11	11	13	13
Neurology	66	66	73	85	99
Neurology (Pediatrics)	21	16	22	22	26
Nuclear Medicine	8	6	7	8	12
Pediatrics	50	42	47	49	41
Adolescent Medicine (Ped.)	3	1	3	5	4
Cardiology (Ped.)	29	39	39	39	38
Clin. Imm./Allergy (Ped.)	7	4	2	4	5
Clinical Pharm & Toxicology (Ped.)	5	4	7	5	4
Critical Care (Ped.)	33	33	40	40	42

B5i – continued

Endocrinology/Met. (Ped.)	11	10	11	9	6
Gastroenterology (Ped.)	14	17	14	12	16
Developmental Pediatrics	5	4	6	4	3
Pediatric Emergency Med. (Ped.)	21	19	16	15	8
Hematology/Oncology (Ped.)	43	35	39	34	35
Infectious Diseases (Ped.)	12	17	12	10	12
Neonatal-Perinatal Med. (Ped.)	62	65	78	83	79
Nephrology (Ped.)	20	24	20	16	14
Respirology (Ped.)	16	17	12	10	9
Rheumatology (Ped.)	8	10	5	10	11
Physical Medicine & Rehab.	5	5	9	6	6
Psychiatry	52	46	50	63	59
Child and Adolescent Psychiatry	0	0	0	1	1
Forensic Psychiatry	0	0	0	1	0
Geriatric Psychiatry	0	0	1	0	1
Radiation Oncology	42	39	47	56	68
Medical Specialties subtotal	1375	1347	1428	1485	1581
Anatomical Pathology	21	25	21	14	16
Forensic Pathology (Anat. Path.)	2	2	0	0	0
General Pathology	1	0	1	1	0
Hematological Pathology	4	5	5	5	5
Transfusion Medicine (Hem. Path.)	1	2	2	1	0
Medical Biochemistry	1	1	2	3	3
Medical Microbiology	6	4	5	5	4
Neuropathology	7	8	5	7	5
Lab Medicine subtotal	43	47	41	36	33
Cardiac Surgery	54	52	54	61	67
General Surgery	66	64	61	77	74
Colorectal Surgery	2	3	2	1	1
Critical Care (Surgery)	1	2	2	1	2
Gen. Surgical Oncology	10	5	4	3	7
Pediatric Surgery	7	11	14	13	17
Thoracic Surgery	27	28	34	33	26
Vascular Surgery	2	6	9	13	10
Neurosurgery	68	74	81	74	69
Obstetrics/Gynecology	36	44	35	38	35
Gyn. Oncology	14	12	12	10	12
Gyn.Rep.Endocrin./Infertility	9	10	8	9	10
Maternal-Fetal Med. (Ob.)	23	24	23	23	26
Ophthalmology	56	59	62	60	55
Otolaryngology - Head and Neck Surgery	35	40	33	41	39
Orthopedic Surgery	123	113	115	127	121
Plastic Surgery	21	23	25	29	31
Urology	39	27	28	37	37
Surgical specialties subtotal	593	597	602	650	639
Total	2028	2012	2083	2183	2270

HIGHLIGHTS:

In 2015, most visa trainees were in either medical specialties (70%) or surgical specialties (28%). This pattern has not changed in recent years.

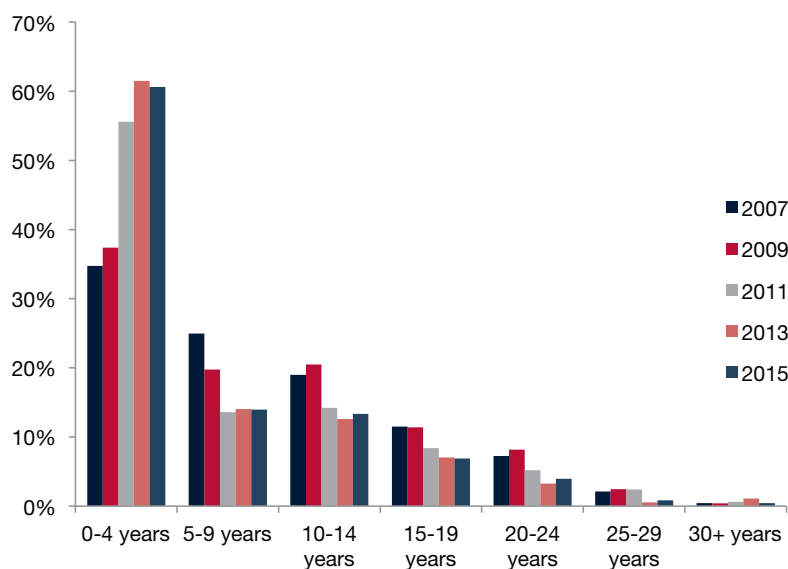
B6. IMGs IN POST-M.D. TRAINING

Canadian citizen/permanent resident* FIRST YEAR trainees by years since MD graduation – Report Years 2007 to 2015

Years since MD	2007	2008	2009	2010	2011	2012	2013	2014	2015
0-4 years	163	174	197	243	278	322	342	346	291
5-9 years	117	108	104	80	68	65	78	53	67
10-14 years	89	99	108	66	71	73	70	43	64
15-19 years	54	40	60	64	42	35	39	29	33
20-24 years	34	33	43	25	26	14	18	18	19
25-29 years	10	8	13	17	12	7	3	1	4
30+ years	2	0	2	2	3	8	6	1	2
Total first year	469	462	527	497	500	524	556	491	480

* Excludes visa trainees

Distribution of First Year IMG trainees by years since MD grad
(Canadian citizens/permanent residents)



HIGHLIGHTS:

60% of all first year IMG trainees in 2015 received their MD degree less than 5 years before entering Canadian postgraduate training.

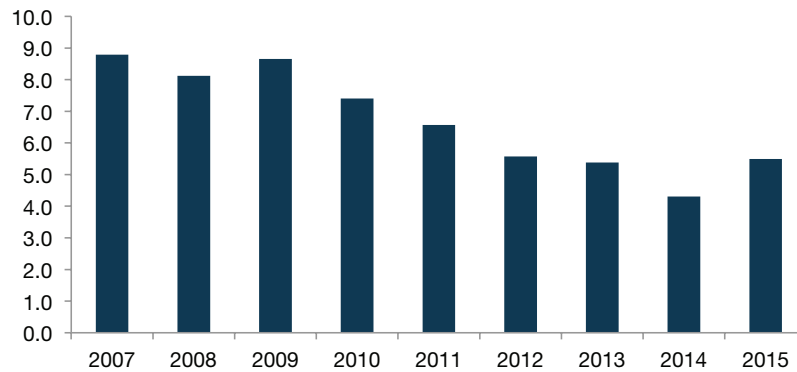
B6i. IMGs IN POST-M.D. TRAINING

Canadian citizen/permanent resident* FIRST YEAR trainees
by years since MD graduation – Report Years 2007 to 2015

Report year	Years since MD graduation			
	Mean	Min	Max	Median
2007	8.8	0	30	8.0
2008	8.1	0	29	7.0
2009	8.7	0	32	8.0
2010	7.4	0	32	5.0
2011	6.6	0	32	3.0
2012	5.6	0	34	2.0
2013	5.4	0	34	2.0
2014	4.3	0	31	1.0
2015	5.5	0	36	2.0

*Excludes visa trainees.

Mean number of years since MD graduation for FIRST YEAR trainees

**HIGHLIGHTS:**

There has been an overall decrease since 2007 in the average number of years since first year IMGs in training have completed their MD degree.

B7. IMGs IN POST-M.D. TRAINING

Field of training by gender
Report year = 2015

Field of training	Males		Females		Total	
	#	%	#	%	#	%
Family Medicine	224	44.9%	275	55.1%	499	100%
Emergency Medicine (CFPC)	9	90.0%	1	10.0%	10	100%
Care of the Elderly (CFPC)	1	33.3%	2	66.7%	3	100%
Other Fam. Med. Training	7	30.4%	16	69.6%	23	100%
Family Medicine subtotal	241	45.0%	294	55.0%	535	100%
Palliative Medicine	4	57.1%	3	42.9%	7	100%
Other Training subtotal	4	57.1%	3	42.9%	7	100%
Anesthesiology	133	62.1%	81	37.9%	214	100%
Critical Care (Anes.)	2	50.0%	2	50.0%	4	100%
Pain Medicine (Anes.)	1	100.0%	0	0.0%	1	100%
Public Health and Preventive Medicine	18	46.2%	21	53.8%	39	100%
Dermatology	13	41.9%	18	58.1%	31	100%
Diagnostic Radiology	129	65.5%	68	34.5%	197	100%
Neuroradiology	15	78.9%	4	21.1%	19	100%
Pediatric Radiology	16	55.2%	13	44.8%	29	100%
Emergency Medicine (Royal College)	46	70.8%	19	29.2%	65	100%
Critical Care (Emergency Medicine)	4	100.0%	0	0.0%	4	100%
Pediatric (Emergency Medicine)	0	0.0%	2	100.0%	2	100%
Internal Medicine	200	60.2%	132	39.8%	332	100%
Cardiology (Int.Med.)	175	77.1%	52	22.9%	227	100%
Clin. Imm./Allergy (Int.Med.)	2	25.0%	6	75.0%	8	100%
Clin. Pharm & Toxicology (Int.Med.)	2	50.0%	2	50.0%	4	100%
Critical Care (Int.Med.)	42	70.0%	18	30.0%	60	100%
Endocrinology/Met. (Int.Med.)	9	47.4%	10	52.6%	19	100%
Gastroenterology (Int.Med.)	64	80.0%	16	20.0%	80	100%
General Internal Medicine	10	33.3%	20	66.7%	30	100%
Geriatric Medicine (Int.Med.)	6	54.5%	5	45.5%	11	100%
Hematology (Int.Med.)	45	67.2%	22	32.8%	67	100%
Infectious Diseases (Int.Med.)	12	54.5%	10	45.5%	22	100%
Medical Oncology (Int.Med.)	44	58.7%	31	41.3%	75	100%
Nephrology (Int.Med.)	55	70.5%	23	29.5%	78	100%
Respirology (Int.Med.)	30	66.7%	15	33.3%	45	100%
Rheumatology (Int.Med.)	22	51.2%	21	48.8%	43	100%
Medical Genetics	9	36.0%	16	64.0%	25	100%
Neurology	99	60.7%	64	39.3%	163	100%
Neurology (Pediatrics)	18	45.0%	22	55.0%	40	100%
Nuclear Medicine	8	40.0%	12	60.0%	20	100%
Pediatrics	40	29.0%	98	71.0%	138	100%
Adolescent Medicine (Ped.)	3	75.0%	1	25.0%	4	100%
Cardiology (Ped.)	24	58.5%	17	41.5%	41	100%
Clin. Imm./Allergy (Ped.)	3	50.0%	3	50.0%	6	100%
Clinical Pharm & Toxicology (Ped.)	5	100.0%	0	0.0%	5	100%
Critical Care (Ped.)	25	58.1%	18	41.9%	43	100%
Endocrinology/Met. (Ped.)	1	16.7%	5	83.3%	6	100%
Gastroenterology (Ped.)	10	43.5%	13	56.5%	23	100%
Developmental Pediatrics	1	25.0%	3	75.0%	4	100%
Pediatric Emergency Med. (Ped.)	7	43.8%	9	56.3%	16	100%

B7 – continued

Hematology/Oncology (Ped.)	21	45.7%	25	54.3%	46	100%
Infectious Diseases (Ped.)	8	57.1%	6	42.9%	14	100%
Neonatal-Perinatal Med. (Ped.)	53	47.7%	58	52.3%	111	100%
Nephrology (Ped.)	6	42.9%	8	57.1%	14	100%
Respirology (Ped.)	9	75.0%	3	25.0%	12	100%
Rheumatology (Ped.)	3	27.3%	8	72.7%	11	100%
Physical Medicine & Rehab.	30	81.1%	7	18.9%	37	100%
Psychiatry	115	42.8%	154	57.2%	269	100%
Child and Adolescent Psychiatry	1	14.3%	6	85.7%	7	100%
Forensic Psychiatry	2	50.0%	2	50.0%	4	100%
Geriatric Psychiatry	0	0.0%	2	100.0%	2	100%
Radiation Oncology	54	58.7%	38	41.3%	92	100%
Medical Specialties subtotal	1650	57.7%	1209	42.3%	2859	100%
Anatomical Pathology	45	37.8%	74	62.2%	119	100%
Forensic Pathology (Anat. Path.)	1	50.0%	1	50.0%	2	100%
General Pathology	7	31.8%	15	68.2%	22	100%
Hematological Pathology	7	46.7%	8	53.3%	15	100%
Medical Biochemistry	2	25.0%	6	75.0%	8	100%
Medical Microbiology	11	50.0%	11	50.0%	22	100%
Neuropathology	3	33.3%	6	66.7%	9	100%
Lab Medicine subtotal	76	38.6%	121	61.4%	197	100%
Cardiac Surgery	79	95.2%	4	4.8%	83	100%
General Surgery	111	77.1%	33	22.9%	144	100%
Colorectal Surgery	1	100.0%	0	0.0%	1	100%
Critical Care (Surgery)	3	100.0%	0	0.0%	3	100%
Gen. Surgical Oncology	6	85.7%	1	14.3%	7	100%
Pediatric Surgery	13	65.0%	7	35.0%	20	100%
Thoracic Surgery	22	75.9%	7	24.1%	29	100%
Vascular Surgery	19	95.0%	1	5.0%	20	100%
Neurosurgery	78	90.7%	8	9.3%	86	100%
Obstetrics/Gynecology	32	42.7%	43	57.3%	75	100%
Gyn. Oncology	10	66.7%	5	33.3%	15	100%
Gyn.Rep.Endocrin./Infertility	6	54.5%	5	45.5%	11	100%
Maternal-Fetal Med. (Ob.)	8	28.6%	20	71.4%	28	100%
Ophthalmology	47	68.1%	22	31.9%	69	100%
Otolaryngology - Head and Neck Surgery	39	83.0%	8	17.0%	47	100%
Orthopedic Surgery	181	88.3%	24	11.7%	205	100%
Plastic Surgery	25	65.8%	13	34.2%	38	100%
Urology	47	88.7%	6	11.3%	53	100%
Surgical specialties subtotal	727	77.8%	207	22.2%	934	100%
Total	2698	59.5%	1834	40.5%	4532	100%

HIGHLIGHTS:

Family medicine and lab specialists are well represented by females in postgraduate training with 55% and 61% respectively. Surgery and medical specialties are more likely to be male with 78% and 58% respectively.

B8. IMGs IN POST-M.D. TRAINING

Field of training by mean age
Report year = 2015

Field of training	Mean age of IMG trainee
Family Medicine	34
Emergency Medicine (CFPC)	31
Care of the Elderly (CFPC)	36
Other Fam. Med. Training	37
Family Medicine subtotal	34
Palliative Medicine	41
Other Training subtotal	41
Anesthesiology	36
Critical Care (Anes.)	34
Pain Medicine (Anes.)	43
Public Health and Preventive Medicine	39
Dermatology	34
Diagnostic Radiology	34
Neuroradiology	35
Pediatric Radiology	34
Emergency Medicine (Royal College)	32
Critical Care (Emergency Medicine)	35
Pediatric (Emergency Medicine)	35
Internal Medicine	31
Cardiology (Int.Med.)	36
Clin. Imm./Allergy (Int.Med.)	35
Clin. Pharm & Toxicology (Int.Med.)	39
Critical Care (Int.Med.)	35
Endocrinology/Met. (Int.Med.)	34
Gastroenterology (Int.Med.)	34
General Internal Medicine	36
Geriatric Medicine (Int.Med.)	34
Hematology (Int.Med.)	35
Infectious Diseases (Int.Med.)	34
Medical Oncology (Int.Med.)	35
Nephrology (Int.Med.)	35
Respirology (Int.Med.)	36
Rheumatology (Int.Med.)	35
Medical Genetics	33
Neurology	34
Neurology (Pediatrics)	34
Nuclear Medicine	36
Pediatrics	33
Adolescent Medicine (Ped.)	35
Cardiology (Ped.)	36
Clin. Imm./Allergy (Ped.)	35
Clinical Pharm & Toxicology (Ped.)	41
Critical Care (Ped.)	34
Endocrinology/Met. (Ped.)	36
Gastroenterology (Ped.)	35

B8 – continued

Developmental Pediatrics	35
Pediatric Emergency Med. (Ped.)	33
Hematology/Oncology (Ped.)	36
Infectious Diseases (Ped.)	36
Neonatal-Perinatal Med. (Ped.)	37
Nephrology (Ped.)	35
Respirology (Ped.)	35
Rheumatology (Ped.)	33
Physical Medicine & Rehab.	36
Psychiatry	34
Child and Adolescent Psychiatry	35
Forensic Psychiatry	34
Geriatric Psychiatry	32
Radiation Oncology	33
Medical Specialties subtotal	34
Anatomical Pathology	38
Forensic Pathology (Anat. Path.)	43
General Pathology	38
Hematological Pathology	38
Medical Biochemistry	36
Medical Microbiology	36
Neuropathology	38
Lab Medicine subtotal	38
Cardiac Surgery	35
General Surgery	34
Colorectal Surgery	35
Critical Care (Surgery)	34
Gen. Surgical Oncology	35
Pediatric Surgery	34
Thoracic Surgery	36
Vascular Surgery	34
Neurosurgery	34
Obstetrics/Gynecology	35
Gyn. Oncology	35
Gyn.Rep.Endocrin./Infertility	36
Maternal-Fetal Med. (Ob.)	38
Ophthalmology	35
Otolaryngology - Head and Neck Surgery	33
Orthopedic Surgery	34
Plastic Surgery	34
Urology	36
Surgical specialties subtotal	35
Total	34

HIGHLIGHTS:

In 2015, the average age of an IMG trainee in Canada was 34. Lab specialties are the oldest at 38 and internal medicine and FM emergency medicine the youngest with an average age of 31.

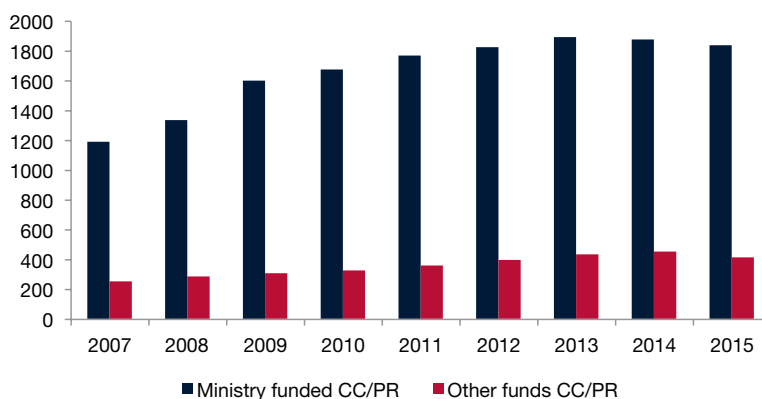
B9. IMGs IN POST-M.D. TRAINING

Canadian citizen/permanent resident and visa trainees
by source of funding – Report Years 2007 to 2015

Funding source Legal status	Ministry Funds		Other Funds*		Unknown source		Total	
	CC/PR	Visa	CC/PR	Visa	CC/PR	Visa	CC/PR	Visa
2007	1196	62	253	2160	1	4	1450	2226
2008	1343	50	285	2127	0	11	1628	2188
2009	1609	35	307	2115	0	1	1916	2151
2010	1684	27	327	2025	1	6	2012	2058
2011	1778	23	360	1999	1	6	2139	2028
2012	1835	27	397	1979	1	6	2233	2012
2013	1903	25	435	2052	2	6	2340	2083
2014	1888	25	454	2154	2	4	2344	2183
2015	1848	19	414	2251	0	0	2262	2270

* see definition section

Ministry and other funded Canadian
citizens/permanent resident IMGs – 2007 to 2015



HIGHLIGHTS:

The number of ministry funded CC/PR IMGs has levelled out in recent years whereas the number supported by other funds has gradually increased since 2007.

B10. IMGs IN POST-M.D. TRAINING

Canadian citizen/permanent resident and visa trainees
by rank, 2015

Legal Status	Residents							Fellows	Total
	PGY-1	PGY-2	PGY-3	PGY-4	PGY-5	PGY-6	PGY-7		
CC/PR	480	505	312	301	233	53	5	373	2262
Visa	117	117	91	112	99	54	21	1659	2270
Total	597	622	403	413	332	107	26	2032	4532

HIGHLIGHTS:

The majority of visa trainees (73%) are classified as fellow compared to 17% of CC/PR IMGs.

B11. IMGs EXITING* POST-M.D. TRAINING

Exiting between Nov 2014 to Nov 2015 by legal status
and field of training (includes fellows)

Field of training when exiting	Legal Status as of July 2014		
	Cdn citizen/perm res	Visa	Total
Family Medicine	233	3	236
Emergency Medicine (CFPC)	14	0	14
Care of the Elderly (CFPC)	4	0	4
Other Fam. Med. Training	19	0	19
Family Medicine subtotal	270	3	273
Palliative Medicine	2	0	2
Other Training subtotal	2	0	2
Anesthesiology	37	73	110
Critical Care (Anes.)	0	1	1
Public Health and Preventive Medicine	9	0	9
Dermatology	5	8	13
Diagnostic Radiology	19	70	89
Neuroradiology	2	7	9
Pediatric Radiology	2	15	17
Emergency Medicine (Royal College)	3	4	7
Pediatric (Emergency Medicine)	1	0	1
Internal Medicine	19	3	22
Cardiology (Int.Med.)	19	56	75
Clin. Imm./Allergy (Int.Med.)	4	0	4
Clin. Pharm & Toxicology (Int.Med.)	1	2	3
Critical Care (Int.Med.)	4	28	32
Endocrinology/Met. (Int.Med.)	6	9	15
Gastroenterology (Int.Med.)	5	21	26
General Internal Medicine	21	2	23
Geriatric Medicine (Int.Med.)	6	0	6
Hematology (Int.Med.)	2	14	16
Infectious Diseases (Int.Med.)	2	0	2
Medical Oncology (Int.Med.)	8	21	29
Nephrology (Int.Med.)	8	23	31
Respirology (Int.Med.)	7	8	15
Rheumatology (Int.Med.)	5	8	13
Transfusion Medicine (Int.Med.)	0	1	1
Medical Genetics	4	5	9
Neurology	25	28	53
Neurology (Pediatrics)	9	2	11
Nuclear Medicine	1	1	2
Pediatrics	15	21	36
Adolescent Medicine (Ped.)	1	2	3
Cardiology (Ped.)	3	19	22
Clin. Imm./Allergy (Ped.)	1	1	2
Clinical Pharm & Toxicology (Ped.)	0	2	2
Critical Care (Ped.)	3	21	24

B11 – continued

Endocrinology/Met. (Ped.)	0	6	6
Gastroenterology (Ped.)	4	4	8
Developmental Pediatrics	3	1	4
Pediatric Emergency Med. (Ped.)	4	12	16
Hematology/Oncology (Ped.)	8	13	21
Infectious Diseases (Ped.)	2	6	8
Neonatal-Perinatal Med. (Ped.)	12	34	46
Nephrology (Ped.)	0	9	9
Respirology (Ped.)	0	4	4
Rheumatology (Ped.)	1	4	5
Physical Medicine & Rehab.	5	3	8
Psychiatry	30	26	56
Child and Adolescent Psychiatry	2	1	3
Forensic Psychiatry	1	1	2
Geriatric Psychiatry	3	0	3
Radiation Oncology	2	18	20
Medical Specialties subtotal	334	618	952
Anatomical Pathology	20	7	27
Forensic Pathology (Anat. Path.)	2	0	2
General Pathology	5	1	6
Hematological Pathology	2	0	2
Transfusion Medicine (Hem. Path.)	0	1	1
Medical Biochemistry	2	0	2
Medical Microbiology	2	1	3
Neuropathology	1	2	3
Lab Medicine subtotal	34	12	46
Cardiac Surgery	5	23	28
Thoracic Surgery (Cardiac Surg.)	0	2	2
General Surgery	19	29	48
Colorectal Surgery	1	1	2
Critical Care (Surgery)	1	0	1
Gen. Surgical Oncology	0	1	1
Pediatric Surgery	1	6	7
Thoracic Surgery	1	15	16
Vascular Surgery	1	6	7
Neurosurgery	8	36	44
Obstetrics/Gynecology	9	11	20
Gyn. Oncology	1	4	5
Gyn.Rep.Endocrin./Infertility	1	7	8
Maternal-Fetal Med. (Ob.)	7	7	14
Ophthalmology	8	39	47
Otolaryngology - Head and Neck Surgery	8	21	29
Orthopedic Surgery	21	73	94
Plastic Surgery	5	21	26
Urology	4	19	23
Surgical specialties subtotal	101	321	422
Total	741	954	1695

* at a level consistent with completion of training

HIGHLIGHTS:

Over half of the IMGs exiting training in 2014/15 were visa trainees. 98% exited from either medical or surgical specialties, compared to 59% of CC/PR IMGs.



IMGs IN PRACTICE

For most tables in this section, practice locations are based on the electronic version of Scott's Medical Directory (MD Select). Physicians who have completed Canadian postgraduate medical education since 1988 and are now in practice (see Section B) are matched to MD Select records based on name, gender, specialty, place and year of graduation. All other IMGs appearing on the MD Select file are considered to have been licenced by a provincial/territorial registrar or college with either a full or provisional licence (see Section D).

Tables C3 and C4 are based primarily on locations of exiting postgraduate trainees as determined by the CMA Masterfile at 2, 5, and 10 years post exit. If the physician cannot be located on the CMA file, MD Select is used.

Practice locations based on postal codes are grouped into various geographic categories such as urban, small city, town, rural using the Statistics Canada Postal Code Conversion File which is owned by CAPER.

Key data elements of the annual MD Select files:

- Name
- Specialty
- Gender
- School of MD degree
- Country of MD degree
- Year of MD degree
- Province/territory of practice
- Practice postal code

C1. IMGs IN PRACTICE

Specialty and Province/Territory of Canadian Practice Report Year 2016

Specialty	Practice Location in 2016											Total
	NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	TERR	
FM/GP	330	472	43	282	1086	4573	625	808	2555	1888	22	12684
Family Medicine	70	141	9	38	234	2276	255	174	682	843	12	4734
General Practice	260	321	34	243	847	2201	357	623	1844	1015	10	7755
Emergency Family Medicine	0	10	0	1	5	96	13	11	29	30	0	195
Medical Specialists	78	197	18	54	733	2871	159	210	569	901	0	5790
Anesthesiology	6	22	3	8	69	335	28	27	57	106	0	661
Critical Care Medicine	2	0	0	1	19	32	7	1	7	9	0	78
Dermatology	3	2	0	0	12	33	3	0	4	8	0	65
Diagnostic Radiology	4	19	4	1	55	223	6	20	24	63	0	419
Emergency Medicine	0	1	0	1	3	32	1	0	1	8	0	47
Paediatric Emergency Medicine	0	1	0	0	1	10	0	1	3	1	0	17
Internal Medicine	18	32	2	7	62	429	22	40	85	110	0	807
Cardiology	1	9	0	2	49	100	4	13	30	25	0	233
Paediatric Cardiology	1	0	0	0	0	0	0	0	0	0	0	1
Clinical Immunology/Allergy	0	0	0	0	9	16	2	1	4	4	0	36
Endocrinology/Metabolism	2	4	0	0	33	36	1	3	10	14	0	103
Gastroenterology	0	4	0	2	23	51	6	3	12	10	0	111
Geriatric Medicine	0	2	0	0	6	36	0	0	4	11	0	59
Hematology	1	1	0	0	8	26	2	0	3	8	0	49
Paediatric Hematology	0	1	0	0	1	2	0	0	1	1	0	6
Infectious Diseases	0	1	0	0	8	14	0	0	5	4	0	32
Medical Oncology	2	4	1	1	18	45	2	2	8	11	0	94
Nephrology	2	3	0	0	17	55	2	7	13	11	0	110
Respirology	0	1	0	1	19	49	4	7	16	16	0	113
Rheumatology	2	2	0	1	18	40	3	0	13	9	0	88
Medical Genetics	0	1	0	0	9	7	1	0	4	6	0	28
Neurology	5	6	0	1	25	85	5	9	32	33	0	201
Nuclear Medicine	0	0	0	0	4	16	1	3	1	1	0	26
Occupational Medicine	0	0	0	1	3	0	0	0	6	2	0	12
Paediatrics	16	15	2	10	76	383	16	24	90	113	0	745
Physical Medicine/Rehabilitation	1	3	0	0	4	35	3	2	13	15	0	76
Psychiatry	10	57	4	15	149	705	28	42	110	274	0	1394
Public Health & Preventive Medicine	0	1	0	1	16	13	2	1	4	11	0	49
Radiation Oncology	2	5	2	1	17	63	10	4	9	17	0	130
Laboratory Medicine Specialists	9	16	2	14	79	286	27	25	77	81	0	616
Anatomical Pathology	9	9	1	12	54	203	21	17	51	45	0	422
General/Clinical Pathology	0	2	1	1	2	42	3	4	12	11	0	78
Hematologic Pathology	0	1	0	1	2	13	2	2	4	11	0	36
Medical Biochemistry	0	1	0	0	19	8	0	1	2	5	0	36
Medical Microbiology	0	1	0	0	1	13	1	0	6	7	0	29
Neuropathology	0	2	0	0	1	7	0	1	2	2	0	15
Surgical Specialists	19	52	4	16	253	731	61	79	131	226	2	1574
Cardiac Surgery	0	1	0	0	1	8	1	1	5	2	0	19
Cardiovascular/thoracic surgery	0	2	0	0	8	9	0	0	2	5	0	26
Thoracic Surgery	0	1	0	0	2	4	0	0	1	0	0	8
General Surgery	6	13	1	2	46	153	13	21	28	46	0	329
General Surgical Oncology	0	0	0	0	2	2	0	0	0	0	0	4
Paediatric General Surgery	1	0	0	0	2	4	0	0	2	0	0	9
Vascular Surgery	0	1	0	0	2	13	1	0	0	4	0	21
Neurosurgery	1	3	0	5	7	24	0	5	5	10	0	60
Obstetrics/Gynecology	5	11	1	4	66	208	19	27	42	62	2	447
Gynecologic Oncology	0	0	0	0	4	2	1	0	0	0	0	7
Ophthalmology	4	6	1	2	31	71	9	7	16	34	0	181
Otolaryngology	1	6	1	0	27	40	1	1	7	16	0	100
Orthopaedic Surgery	1	2	0	0	29	127	10	11	16	34	0	230
Plastic Surgery	0	1	0	3	10	19	3	3	1	6	0	46
Urology	0	5	0	0	16	47	3	3	6	7	0	87
Medical Scientists	0	0	0	0	0	5	2	1	2	2	0	12
ALL PHYSICIANS	436	737	67	366	2151	8466	874	1123	3334	3098	24	20676

HIGHLIGHTS:

In 2016, Ontario had the largest number of IMGs in practice followed by Alberta and British Columbia.

C2. IMGs in PRACTICE

IMGs* with Canadian postgraduate training by country of
M.D. degree and category of postgraduate training – Report Year 2016

M.D. Country	Practising in Canada in 2016		
	Total #	Known to have had Canadian postgrad training* #	Percentage of total with Canadian postgrad training %
Albania	19	18	94.7%
Algeria	84	43	51.2%
Antigua	14	11	78.6%
Argentina	124	75	60.5%
Armenia	9	3	33.3%
Australia	291	161	55.3%
Austria	22	10	45.5%
Bahrain	6	6	100.0%
Bangladesh	107	36	33.6%
Belarus	25	13	52.0%
Belgium	108	36	33.3%
Bosnia-Herzegovina	34	17	50.0%
Brazil	137	76	55.5%
Bulgaria	59	27	45.8%
Cameroon	6	2	33.3%
Cayman Islands	19	10	52.6%
Chile	36	13	36.1%
China	353	217	61.5%
Colombia	123	64	52.0%
Costa Rica	12	8	66.7%
Croatia	39	17	43.6%
Cuba	43	17	39.5%
Czech Republic	121	54	44.6%
Democratic Republic Congo	42	11	26.2%
Dominica	52	16	30.8%
Dominican Republic	30	16	53.3%
Ecuador	6	4	66.7%
Egypt	917	367	40.0%
El Salvador	22	14	63.6%
Estonia	5	5	100.0%
Ethiopia	26	20	76.9%
France	435	79	18.2%
Germany	198	73	36.9%
Ghana	45	11	24.4%
Greece	49	14	28.6%
Grenada	142	67	47.2%
Guatemala	10	5	50.0%
Guyana	6	4	66.7%
Haiti	66	21	31.8%
Hungary	81	32	39.5%
India	1856	771	41.5%
Indonesia	10	2	20.0%
Iran	492	306	62.2%
Iraq	323	108	33.4%
Ireland	1162	445	38.3%
Israel	140	81	57.9%
Italy	102	45	44.1%

C2 – continued

Jamaica	186	63	33.9%
Japan	20	12	60.0%
Jordan	37	17	45.9%
Kazakhstan	7	6	85.7%
Kenya	23	9	39.1%
Kuwait	16	15	93.8%
Latvia	10	2	20.0%
Lebanon	179	52	29.1%
Libya	375	210	56.0%
Lithuania	7	2	28.6%
Macedonia	11	10	90.9%
Malaysia	11	4	36.4%
Mexico	156	65	41.7%
Moldova	12	7	58.3%
Montserrat	13	4	30.8%
Morocco	31	17	54.8%
Myanmar	21	7	33.3%
Nepal	6	2	33.3%
Netherland Antilles	204	101	49.5%
Netherlands	92	32	34.8%
New Zealand	96	31	32.3%
Nicaragua	6	5	83.3%
Nigeria	519	73	14.1%
Norway	5	2	40.0%
Pakistan	789	328	41.6%
Peru	33	11	33.3%
Philippines	230	80	34.8%
Poland	487	292	60.0%
Portugal	12	6	50.0%
Romania	299	200	66.9%
Russia	211	127	60.2%
Saint Kitts and Nevis	43	22	51.2%
Saint Lucia	6	4	66.7%
Saudi Arabia	223	214	96.0%
Senegal	5	4	80.0%
Serbia	65	37	56.9%
Singapore	25	5	20.0%
Slovakia	56	30	53.6%
Somalia	6	2	33.3%
South Africa	2417	346	14.3%
South Korea	22	9	40.9%
Spain	63	24	38.1%
Sri Lanka	218	100	45.9%
Sudan	43	25	58.1%
Sweden	8	6	75.0%
Switzerland	76	29	38.2%
Syrian Arab Republic	110	45	40.9%

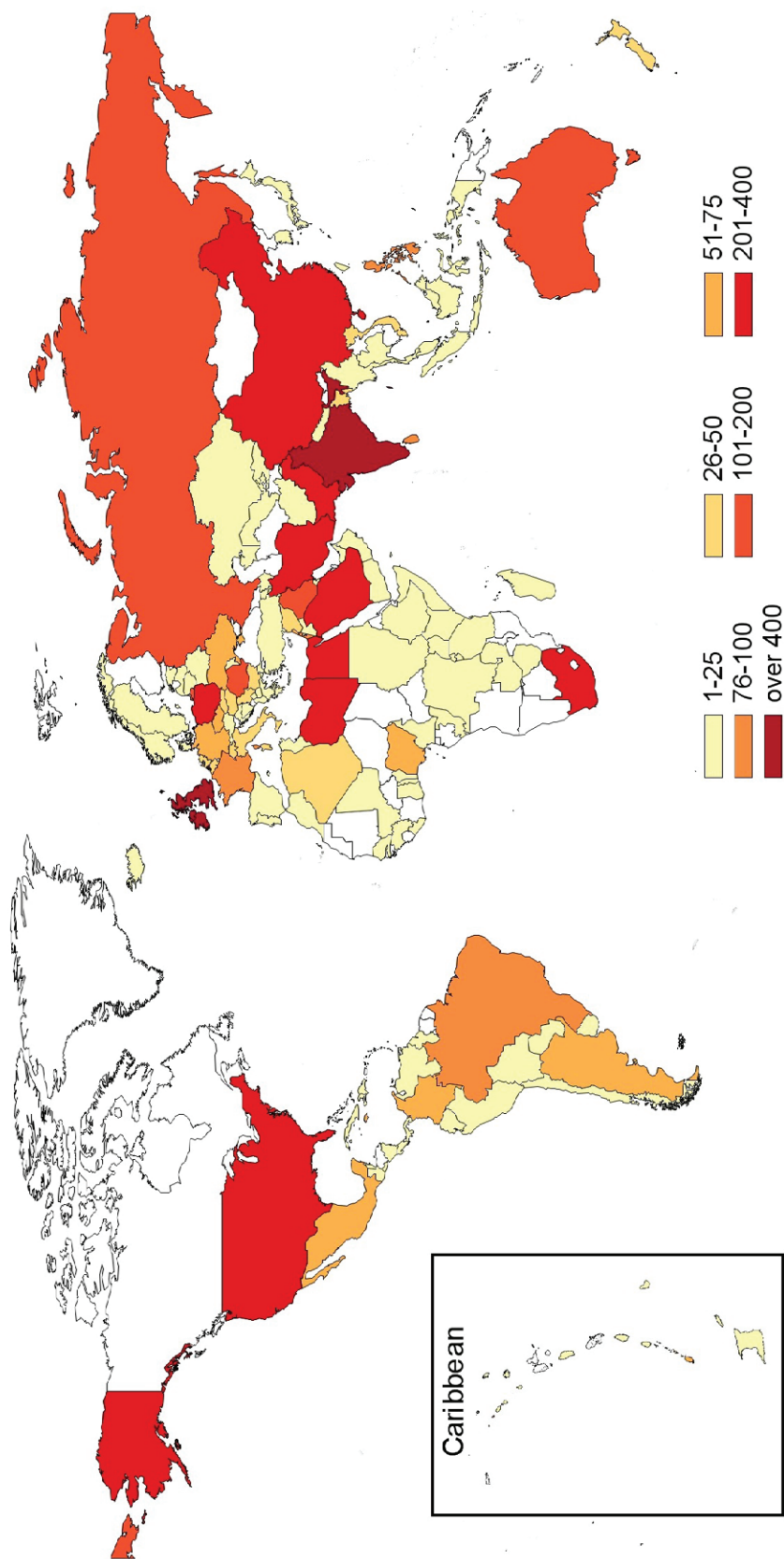
C2 – continued

Taiwan	68	3	4.4%
Tanzania	11	4	36.4%
Thailand	5	3	60.0%
Trinidad and Tobago	19	9	47.4%
Tunisia	35	19	54.3%
Turkey	45	18	40.0%
Uganda	65	6	9.2%
Ukraine	93	55	59.1%
United Arab Emirates	10	8	80.0%
United Kingdom	1789	415	23.2%
USA	880	293	33.3%
Uruguay	6	4	66.7%
Venezuela	21	13	61.9%
Vietnam	153	38	24.8%
Yemen	6	4	66.7%
Zambia	16	5	31.3%
Zimbabwe	39	20	51.3%
Other countries**	77	42	54.5%
Location not specified	1840	650	35.3%
Total	20676	7754	37.5%

* These IMGs are known to have had postgraduate training in Canada between 1988 and 2015. Any IMG completing training before that date and still in practice are included in the total but cannot be identified as Canadian trained.

** Countries where the total number of trainees was less than 5.

C2. IMGs Known to Have Had Canadian Postgrad Training – Report Year 2016



C3. IMGs IN PRACTICE

IMGs who exited Canadian postgrad training in 2014 by faculty of post-MD training and initial practice location in 2016* – excluding visa trainees

Faculty of post-MD training	Practice Location in 2016													Total
	NL	NS	PE	NB	QB	ON	MB	SK	AB	BC	TERR	Other Country	Not Located	
Memorial	7	0	0	0	0	2	1	0	1	0	0	0	0	11
Dalhousie	0	9	0	6	0	1	0	1	1	3	0	0	0	21
Laval	0	0	0	0	6	2	0	0	0	0	0	0	1	9
Sherbrooke	0	0	0	0	7	1	0	0	0	0	0	0	1	9
Montréal	0	0	0	1	11	0	0	0	0	1	0	0	22	35
McGill	0	0	0	0	14	4	0	0	0	1	0	0	7	26
Ottawa	2	0	0	1	0	33	0	2	0	4	0	0	10	52
Queens	0	0	0	0	0	28	0	0	1	0	0	0	1	30
Toronto	1	3	0	1	2	102	3	2	4	2	0	2	38	160
McMaster	0	0	0	0	0	36	0	0	0	3	0	0	7	46
Western	0	0	0	1	0	39	2	2	2	1	0	0	5	52
NOSM	0	0	0	0	0	11	0	0	0	0	0	0	2	13
Manitoba	0	0	0	0	0	5	14	1	3	6	1	0	2	32
Saskatchewan	0	0	0	0	0	4	0	20	1	2	0	0	2	29
Alberta	0	1	0	0	0	3	1	2	32	1	0	0	4	44
Calgary	0	0	0	0	0	0	0	0	30	1	0	0	8	39
UBC	0	0	0	0	1	8	0	0	4	43	0	1	11	68
Total	10	13	0	10	41	279	21	30	79	68	1	3	121	676

* Based on linkage with CMA Masterfile

HIGHLIGHTS:

At 93%, Queens had the highest percentage of IMGs with addresses in the same province two years after exiting postgraduate training, followed by NOSM at 85% retention.

C4. IMGs IN PRACTICE

IMGs who exited Canadian postgrad training in 2014 by faculty of post-MD training and initial practice location in 2016* – excluding visa trainees

Faculty of post-MD training	Practice Location* in 2016									
	Large urban centre		Small city		Town		Rural		Total	
	#	%	#	%	#	%	#	%	#	%
Memorial	10	90.9%	0	0.0%	0	0.0%	1	9.1%	11	100.0%
Dalhousie	14	66.7%	0	0.0%	3	14.3%	4	19.0%	21	100.0%
Laval	4	57.1%	0	0.0%	0	0.0%	3	42.9%	7	100.0%
Sherbrooke	6	75.0%	1	12.5%	1	12.5%	0	0.0%	8	100.0%
Montréal	9	69.2%	0	0.0%	3	23.1%	1	7.7%	13	100.0%
McGill	17	89.5%	0	0.0%	1	5.3%	1	5.3%	19	100.0%
Ottawa	35	83.3%	0	0.0%	3	7.1%	4	9.5%	42	100.0%
Queens	26	89.7%	1	3.4%	1	3.4%	1	3.4%	29	100.0%
Toronto	110	92.4%	4	3.4%	3	2.5%	2	1.7%	119	100.0%
McMaster	38	97.4%	1	2.6%	0	0.0%	0	0.0%	39	100.0%
Western	40	85.1%	1	2.1%	5	10.6%	1	2.1%	47	100.0%
NOSM	5	45.5%	2	18.2%	2	18.2%	2	18.2%	11	100.0%
Manitoba	27	93.1%	1	3.4%	1	3.4%	0	0.0%	29	100.0%
Saskatchewan	21	77.8%	0	0.0%	2	7.4%	4	14.8%	27	100.0%
Alberta	35	87.5%	1	2.5%	3	7.5%	1	2.5%	40	100.0%
Calgary	31	100.0%	0	0.0%	0	0.0%	0	0.0%	31	100.0%
UBC	49	87.5%	1	1.8%	3	5.4%	3	5.4%	56	100.0%
Total	477	86.9%	13	2.4%	31	5.6%	28	5.1%	549	100.0%

* Based on linkage with CMA Masterfile and MD Select (Scott's Medical Directory) and Statistics Canada Postal Code Conversion file. Includes only those IMGs with known postal codes.

Large urban centre - census metropolitan area with population at least 100K

Small city - tracted census agglomeration with population 50K-99K

Town - untracted census agglomerations with population 10K-49K

Rural - metro influenced zones outside of urban centres as well as the territories



D

LICENCES ISSUED TO IMGs

The Federation of Medical Authorities of Canada's mission is to advance medical regulation on behalf of the public through collaboration, common standards and best practices. Aggregate information was provided by this organization on the number and type of licenses issued to IMGs each year by province/territory. The data provided by Northwest Territories does not always distinguish between Canadian medical graduates and IMGs.

D1. LICENCES ISSUED TO IMGs

Province/territory by type of licence

Provisional licences issued to IMGs						
Prov/Terr	2010	2011	2012	2013	2014	2015
NL	244	241	241	240	227	233
NS	285	266	282	290	294	275
PEI	35	51	41	31	24	38
NB	33	27	26	16	20	19
QC	314	334	376	379	362	349
ON	1014	1124	1312	1425	1542	1667
MB	223	249	240	235	175	151
SK	272	301	351	360	310	322
AB	831	860	877	880	929	1029
BC	586	625	748	543	435	370
YUK	11	7	4	1	2	2
NT	1	1	1	N/A	N/A	N/A
NU	1	1	1	1	1	0
TOTAL	3850	4087	4501	4404	4320	4455
Full licences issued to IMGs						
Prov/Terr	2010	2011	2012	2013	2014	2015
NL	235	225	249	261	236	229
NS	432	424	426	407	408	455
PEI	10	30	51	59	52	55
NB	408	420	411	416	405	412
QC	2030	2096	2150	2210	2265	2295
ON	6613	6814	7002	7169	7370	7520
MB	652	650	675	688	763	805
SK	712	786	749	755	858	901
AB	1779	1917	2023	2153	2257	2380
BC	2503	2524	2551	2659	2775	2860
YUK	51	55	55	65	54	64
NT	N/A	N/A	N/A	N/A	N/A	N/A
NU	43	43	47	42	42	62
TOTAL	15468	15980	16389	16884	17485	18038

HIGHLIGHTS:

Between 2010 and 2015, four out of five IMGs in Canada were issued a full licence to practice. Ontario issued the most provisional licences but NL had the highest proportion with provisional licences at 50%.



2733 Lancaster Road, Suite 100

Ottawa, ON Canada K1B 0A9



613-730-1204

caper@afmc.ca

www.caper.ca