



The National IMG Database Report



The National IMG Database Report

2022

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Acknowledgements

It is an honour to present the 2022 National IMG Database Report. This is the fifth update to the report made after a period of dormancy and was made possible through the support of the CAPER partner organizations. 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.

I would like to take this space to acknowledge the challenges the medical community and the world have faced due to the COVID-19 pandemic. Despite these challenges our stakeholders have risen to the occasion to allow us to publish authoritative data on the future of our medical workforce.

For their contribution of data included in this report, we wish to particularly thank, the Medical Council of Canada (Section A) and the seventeen faculties of medicine (Section B & C).

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.

Finally, we'd like to thank the CAPER Chair, Dr. Alan Chaput, and the entire CAPER Committee for their continued support of the National IMG Database. This report would have not been possible without the dedicated efforts of CAPER staff Mr. Leslie Forward. Without his skills, expertise, and efforts this report would not have been possible.

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

Geoff Barnum
Manager, CAPER

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BACKGROUND AND INTRODUCTION

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.ⁱ Soon after, the Romanow Commission report 'Building on Values: The Future of Health Care in Canada'ⁱⁱ 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.ⁱⁱⁱ 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.^{iv} 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 from the Association of Faculties of Medicine of Canada (AFMC) and 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.^v 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.^{vi} 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.

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 practicing address of IMGs in Canada. This new National IMG Database will address most of the requests CAPER receives for information on IMGs. For this year it was decided to not purchase the Scott's Business List.

ⁱ The final report of the Kirby Senate Committee is available at <https://sencanada.ca/content/sen/committee/372/soci/rep/repoct02vol6-e.htm>

ⁱⁱ The final report of the Romanow Commission is available at <http://publications.gc.ca/collections/Collection/CP32-85-2002E.pdf>

ⁱⁱⁱ 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

^{iv} 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

^v National IMG Database Report 2005-2007. https://caper.ca/sites/default/files/pdf/img/2005-2007_CAPER_National_IMG_Database_Report.pdf

^{vi} National IMG Database Report 2012. https://caper.ca/sites/default/files/pdf/img/2012_CAPER_National_IMG_Database_Report.pdf

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/protection-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.

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.

REQUEST 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/postgraduate-medical-education/annual-census>.

Section 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 last MCCEE was administered on November 11th, 2018. IMGs can now apply directly to the MCCQEI. Historical data on the MCCEE has been maintained in this report. 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.

IMPORTANT: The MCCQEII were not conducted starting in March 2020 as a result of the COVID-19 pandemic. On June 9, 2021 the MCC council made the decision to eliminate the MCCQEII as a requirement for receiving a LMCC designation. Data is retained in this report for historical purposes.

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 are 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

Table A1
IMGs PASSING MCC EXAMS*

Report Years 2013 to 2021

	Passed MCCEE		Passed MCCQEI		Passed MCCQEII		Total passed exams	
	#	%	#	%	#	%	#	%
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%
2016	2477	52%	1338	28%	956	20%	4771	100%
2017	2258	45%	1412	28%	1305	26%	4975	100%
2018	2037	47%	1112	26%	1148	27%	4297	100%
2019	0	0%	2161	75%	738	25%	2899	100%
2020	0	0%	2136	100%	0	0%	2136	100%
2021	0	0%	2339	100%	0	0%	2339	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:

As the MCCEE was discontinued in 2019 no IMGs passed this exam. As explained in the introduction with the cancellation and eventual discontinuation of the MCCQEII no IMGs passed this exam in 2020. There was an increase in the number of IMGs passing the MCCQEI in 2021 relative to the last two years.

Table A2
IMGs PASSING MCC EXAMS

IMGs who passed MCCEE by country of MD degree
Report Years 2013 to 2021

IMPORTANT: The MCCEE exam was discontinued in 2019. This table has been retained for historical purposes only.

M.D. Country	Passed MCCEE					
	2013	2014	2015	2016	2017	2018
Algeria	15	15	9	9	15	17
Anguilla	2	6	9	9	12	14
Antigua and Barbuda	29	17	13	17	20	15
Argentina	1	3	5	3	4	2
Aruba	14	15	15	10	4	9
Australia	112	98	101	73	65	42
Bahrain	22	20	27	22	28	28
Bangladesh	28	33	33	35	18	23
Belarus	5	8	2	3	0	0
Belgium	5	4	3	0	6	4
Belize	5	0	3	1	1	1
Bonaire	12	12	0	0	0	0
Brazil	7	12	18	27	17	20
Cayman Islands	15	10	6	13	7	5
China	39	17	23	21	22	15
Colombia	16	13	6	10	8	6
Cuba	10	5	9	4	10	7
Curacao	2	4	9	11	11	7
Czech Republic	5	0	6	7	1	2
Democratic Republic of the Congo	14	10	18	22	11	6
Dominica	77	60	53	60	40	24
Dominican Republic	4	6	3	3	3	2
Egypt	151	146	101	103	70	41
Ethiopia	5	2	4	1	2	1
France	4	4	4	5	4	5
Germany	4	12	9	7	11	6
Ghana	6	5	6	4	3	6
Greece	3	7	4	1	2	0
Grenada	100	81	70	57	89	53
Haiti	6	4	6	11	6	11
Hong Kong	1	6	9	3	3	6
Hungary	14	12	5	8	6	11
India	166	142	164	113	80	84
Iran	152	189	180	165	103	88
Iraq	52	57	60	48	49	32
Ireland	157	179	197	214	228	270
Israel	11	8	10	14	21	10
Italy	6	1	5	4	7	4
Jamaica	7	9	3	7	3	5
Japan	6	5	3	3	0	1
Jordan	11	11	10	11	8	5
Kuwait	14	24	24	30	36	63
Lebanon	11	11	8	8	3	8
Libya	58	75	95	83	38	27
Malta	1	0	0	1	3	10
Mexico	13	10	5	4	11	7
Moldova	6	9	5	2	4	2
Morocco	2	7	5	4	2	6
Netherlands	5	1	8	1	4	1
New Zealand	10	8	7	3	7	4
Nigeria	136	162	155	138	120	91
Oman	64	51	52	42	25	59
Pakistan	175	160	154	150	117	83
Peru	5	0	0	5	1	2

M.D. Country	Passed MCCEE					
	2013	2014	2015	2016	2017	2018
Philippines	46	34	24	26	21	6
Poland	58	37	33	25	48	41
Portugal	5	4	6	0	0	0
Qatar	2	3	2	3	2	5
Romania	13	6	5	6	5	8
Russia	30	16	17	21	9	9
Saba	107	61	70	106	78	50
Saint Kitts and Nevis	132	97	85	66	82	56
Saint Lucia	6	14	10	11	6	8
Saint Vincent and the Grenadines	2	4	13	17	15	8
Saudi Arabia	219	239	241	194	247	254
Serbia	2	4	5	0	4	5
Sint Eustatius	18	0	0	0	0	0
Sint Maarten	18	26	26	18	25	18
South Africa	94	87	101	84	57	49
Spain	5	1	3	3	3	2
Sri Lanka	18	15	11	3	3	2
Sudan	12	20	18	21	12	14
Switzerland	8	3	7	1	1	2
Syrian Arab Republic	20	14	12	18	21	24
Taiwan	3	1	2	7	0	1
Trinidad and Tobago	9	2	0	3	3	5
Tunisia	11	8	4	7	8	10
Turkey	6	3	5	5	5	5
Ukraine	25	9	12	11	7	5
United Arab Emirates	22	20	15	30	41	49
United Kingdom	121	114	126	103	105	92
United States of America	4	11	11	14	17	11
Venezuela	7	3	10	7	3	3
Vietnam	1	5	2	2	0	1
Yemen	1	4	1	3	2	8
Other countries*	68	48	51	52	59	35
Total	2894	2679	2667	2477	2258	2037

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

HIGHLIGHTS:

In 2019, the MCCEE was discontinued. This table has been retained for historical purposes.

Table A3**IMGs PASSING MCC EXAMS**

IMGs who passed MCCQE1 by country of MD degree

Report Years 2013 to 2021

M.D. Country	Passed MCCQE1								
	2013	2014	2015	2016	2017	2018	2019	2020	2021
Algeria	18	8	6	8	6	6	12	19	27
Anguilla	0	4	4	2	4	5	12	9	4
Antigua and Barbuda	12	5	10	5	9	9	16	16	17
Aruba	6	8	5	2	8	1	10	10	7
Australia	58	65	45	51	42	41	85	52	81
Austria	1	1	0	0	2	5	1	2	1
Bahrain	9	11	3	10	8	9	15	27	30
Bangladesh	24	22	12	25	19	8	24	25	22
Belgium	1	1	1	0	0	3	6	5	3
Belize	0	1	1	0	1	0	1	1	7
Bonaire	7	7	0	0	0	0	0	0	0
Brazil	9	4	8	11	11	8	25	21	26
Bulgaria	6	0	1	0	1	2	2	3	0
Cayman Islands	8	7	5	7	9	1	8	6	4
China	24	16	3	14	12	7	16	15	15
Colombia	9	10	5	7	5	2	7	6	7
Cuba	6	3	4	3	5	1	3	5	7
Curacao	1	0	2	5	5	3	10	16	14
Czech Republic	3	0	1	1	6	2	2	1	2
Democratic Republic of the Congo	8	4	3	4	5	4	4	6	8
Dominica	26	33	25	32	29	20	42	20	32
Egypt	96	72	52	64	67	33	57	48	49
Germany	11	4	5	1	8	1	5	6	3
Ghana	1	2	2	4	2	2	7	5	10
Grenada	71	44	55	48	43	30	92	61	48
Guyana	6	0	1	2	1	1	3	3	3
Haiti	9	1	3	5	7	4	3	4	2
Hong Kong	4	1	3	0	2	2	10	14	26
Hungary	6	3	10	3	2	6	6	10	11
India	84	66	69	71	64	54	92	117	101
Iran	97	86	109	140	108	58	135	109	110
Iraq	44	31	28	31	51	27	30	28	27
Ireland	114	118	119	112	153	162	331	262	272
Israel	9	5	4	3	10	8	12	17	12
Italy	1	1	1	4	2	0	1	2	5
Jamaica	4	3	5	2	2	2	7	7	7
Jordan	4	2	4	7	4	3	6	13	10
Kuwait	0	6	2	2	4	3	18	30	39
Lebanon	3	5	6	6	4	2	6	10	18
Libya	13	8	11	14	28	25	24	27	36
Mexico	4	4	4	1	5	3	5	10	13
Morocco	4	3	5	2	5	0	2	7	7
Nepal	1	1	2	1	2	0	6	2	4
New Zealand	2	4	1	3	2	2	8	5	3
Nigeria	70	63	52	89	90	88	133	147	230
Oman	3	2	4	5	11	2	9	17	17
Pakistan	105	82	67	84	84	48	89	111	126
Palestinian Authority	0	0	0	0	0	0	1	5	1
Philippines	17	20	8	15	9	11	10	14	18
Poland	28	29	10	24	20	18	45	46	38
Qatar	1	1	0	1	1	0	0	6	9
Romania	6	5	2	4	2	4	4	6	10
Russia	20	16	7	7	7	5	7	11	8
Saba	62	62	47	42	47	29	67	41	37
Saint Kitts and Nevis	58	42	48	44	54	36	62	76	38
Saint Lucia	4	5	4	7	7	3	7	4	2
Saint Vincent and the Grenadines	2	2	6	11	9	6	15	14	14
Saudi Arabia	68	39	36	42	39	36	43	117	128

M.D. Country	Passed MCCQE1								
	2013	2014	2015	2016	2017	2018	2019	2020	2021
Serbia	4	0	2	6	0	1	5	2	1
Sint Eustatius	7	0	0	0	0	0	0	0	0
Sint Maarten	4	20	10	12	13	14	17	16	24
South Africa	56	46	45	41	36	41	96	85	77
Spain	1	1	0	0	1	0	3	2	5
Sri Lanka	11	8	11	6	6	1	4	5	8
Sudan	5	2	9	7	17	5	15	19	11
Syrian Arab Republic	14	8	10	11	10	10	23	13	16
Trinidad and Tobago	2	2	1	0	3	6	5	1	7
Tunisia	8	2	5	3	6	7	9	7	5
Turkey	1	0	0	2	1	1	1	10	12
Ukraine	21	7	4	5	4	1	18	15	16
United Arab Emirates	7	5	6	5	4	3	20	34	50
United Kingdom	71	60	71	63	78	86	165	125	150
United States of America	37	46	49	45	48	48	60	58	66
Venezuela	7	2	0	4	6	3	3	2	3
Yemen	2	3	0	1	1	2	0	5	3
Other countries*	43	49	22	39	35	32	58	60	79
Total	1569	1309	1181	1338	1412	1112	2161	2136	2339

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

HIGHLIGHTS:

In 2021, the following countries had the highest representation of IMGs who earned their MD degree there and passed the MCCQE1: Ireland (272), Nigeria (230), the United Kingdom (150), Saudi Arabia (128), and Pakistan (126). Interestingly, the number of trainees who earned their MD in Nigeria increased from 147 to 230 year-over-year.

A3. IMGs who passed MCCQE1 by country of MD degree - Report Year 2021

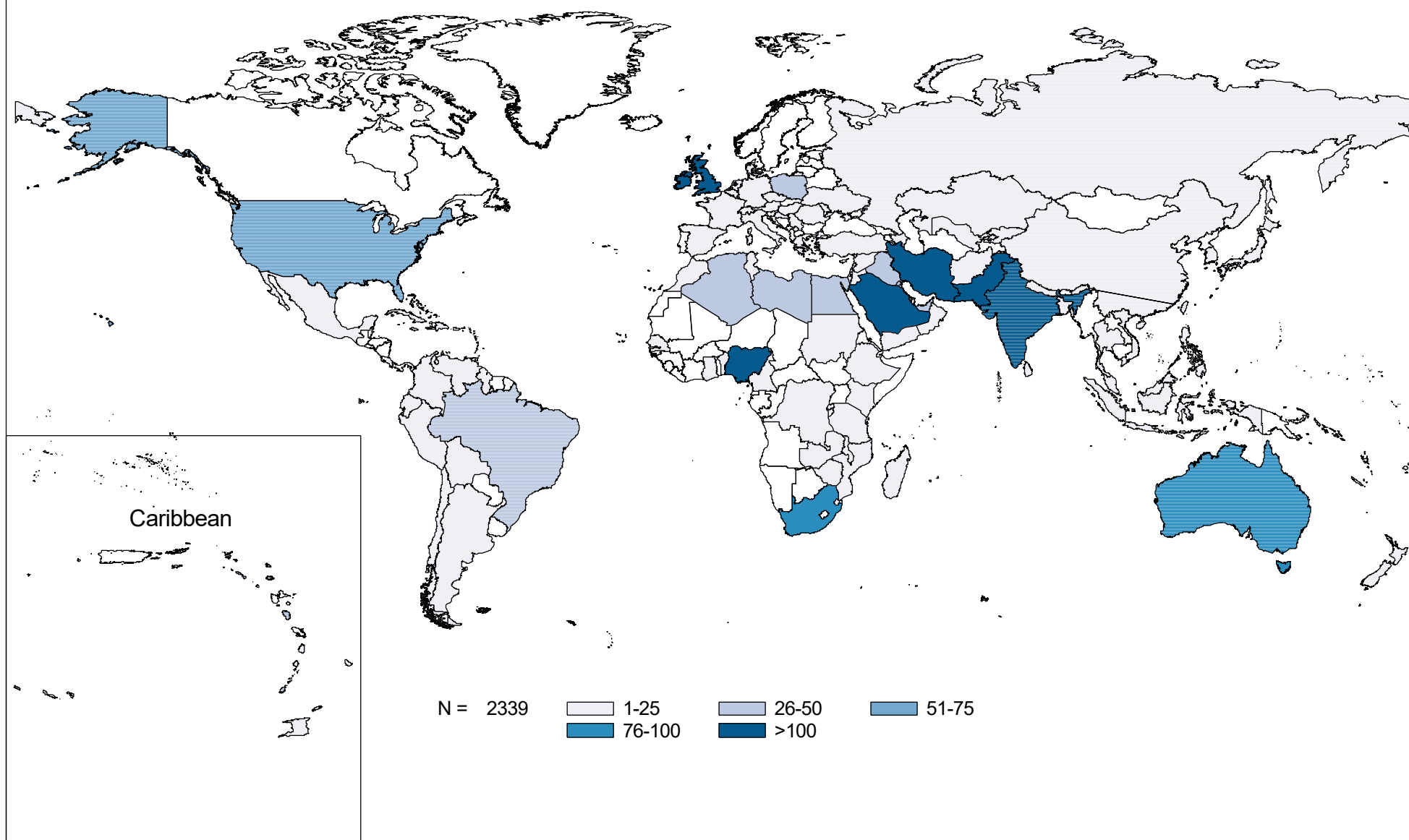


Table A4
IMGs PASSING MCC EXAMS

IMGs who passed MCCQEII by country of MD degree
Report Years 2013 to 2021

M.D. Country	Passed MCCQEII						
	2013	2014	2015	2016	2017	2018	2019
Algeria	4	11	3	5	12	5	3
Antigua and Barbuda	2	0	6	6	7	5	6
Aruba	1	0	3	2	1	5	4
Australia	22	27	35	43	43	52	37
Bahrain	2	3	4	3	9	3	4
Bangladesh	14	14	4	19	16	14	6
Brazil	3	10	3	5	6	8	1
Cayman Islands	3	1	3	5	6	4	5
China	11	6	6	7	10	10	5
Colombia	8	5	3	4	7	4	4
Cuba	2	4	1	4	5	2	1
Curacao	0	0	0	0	1	1	5
Democratic Republic of the Congo	5	4	0	5	2	7	1
Dominica	6	7	18	29	25	21	20
Egypt	48	52	38	47	94	56	21
Germany	3	5	3	3	5	2	3
Grenada	20	16	27	44	50	35	31
Hungary	1	3	0	2	2	6	4
India	33	39	18	51	72	50	19
Iran	58	59	57	69	135	78	14
Iraq	28	27	18	23	39	30	11
Ireland	45	63	63	104	129	131	121
Israel	1	6	1	4	5	5	6
Jordan	1	4	4	1	5	6	2
Lebanon	1	2	0	3	5	6	2
Libya	8	5	2	12	17	25	10
Mexico	2	3	1	3	3	5	0
New Zealand	0	1	1	2	1	6	2
Nigeria	28	38	24	49	88	81	48
Oman	3	1	2	1	4	8	3
Pakistan	43	39	30	42	66	46	25
Philippines	4	7	2	6	10	9	4
Poland	19	11	11	19	20	10	16
Romania	3	4	4	4	6	2	3
Russia	10	8	6	10	8	10	5
Saba	17	23	28	48	42	40	24
Saint Kitts and Nevis	12	10	20	36	36	40	26
Saint Lucia	1	0	1	1	5	4	4
Saint Vincent and the Grenadines	0	1	2	2	6	3	5
Saudi Arabia	42	39	29	27	41	31	28
Serbia	2	2	0	1	5	2	1
Sint Maarten	1	6	5	6	6	10	6
South Africa	28	23	25	42	54	40	28
Sri Lanka	8	5	7	9	11	4	2
Sudan	0	1	2	2	6	8	2
Syrian Arab Republic	5	11	1	3	7	6	7
Tunisia	2	3	3	5	4	4	1
Turkey	5	2	1	0	2	0	0
Ukraine	1	4	3	5	8	1	3
United Arab Emirates	5	3	1	4	0	5	3
United Kingdom	23	39	47	52	61	100	64
United States of America	15	22	19	34	33	41	42
Other countries*	57	40	21	43	64	61	40
Total	666	719	616	956	1305	1148	738

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

HIGHLIGHTS:

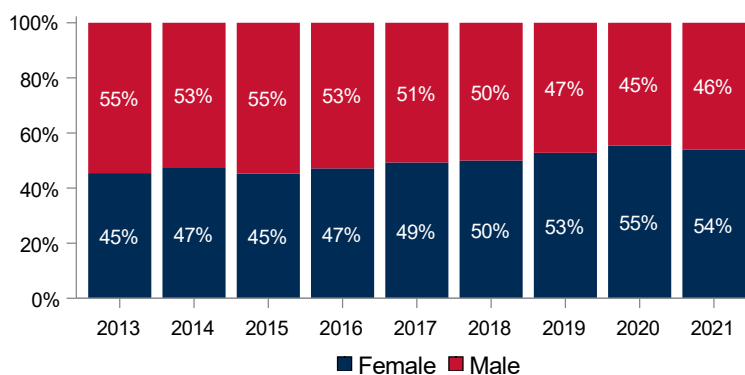
In 2020, the MCCQEII was discontinued. This table has been retained for historical purposes.

Table A5
IMGs PASSING MCC EXAMS

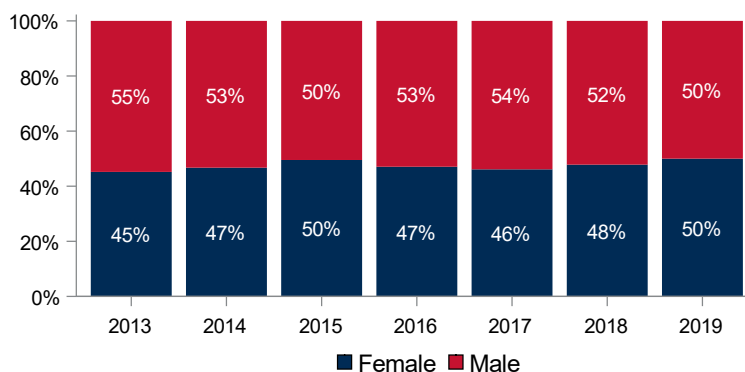
Gender of those who passed MCC exams
Report Years 2013 to 2021

MCC Exam	2013	2014	2015	2016	2017	2018	2019	2020	2021
Passed MCCEE									
Female	1303	1164	1230	1192	1098	1034	0	0	0
Male	1591	1515	1437	1285	1160	1003	0	0	0
Total	2894	2679	2667	2477	2258	2037	0	0	0
Passed MCCQE I									
Female	713	619	535	631	696	556	1141	1183	1261
Male	856	690	646	707	716	556	1020	953	1078
Total	1569	1309	1181	1338	1412	1112	2161	2136	2339
Passed MCCQE II									
Female	301	336	305	450	602	549	369	0	0
Male	365	383	311	506	703	599	369	0	0
Total	666	719	616	956	1305	1148	738	0	0

Percentage passing MCCQE I by gender



Percentage passing MCCQE II by gender



HIGHLIGHTS:

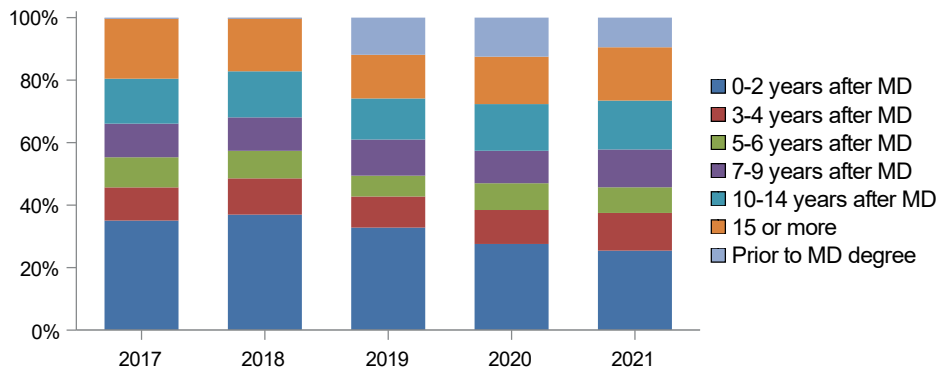
Over the last three years to proportion of IMGs passing the MCCQE I has been trending towards a higher proportion of females than males. In 2015 only 45% of IMGs passing the test were female compared to 54% in 2021.

Table A6
IMGs PASSING MCC EXAMS

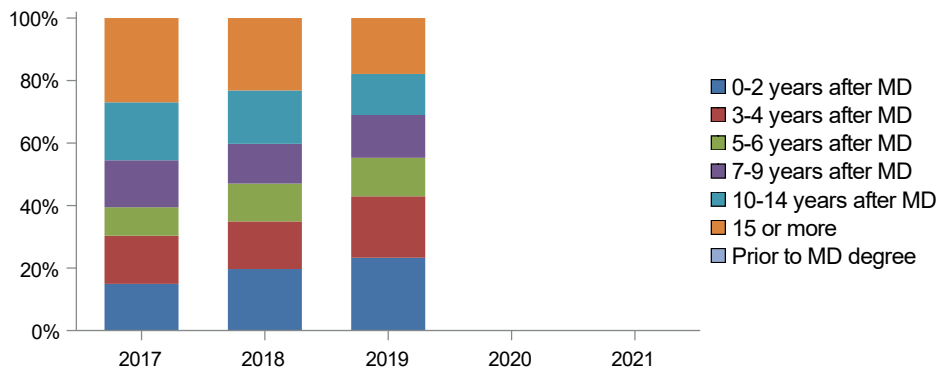
IMGs by years since M.D. earned and by exam passed
Report Years 2017 to 2021

	2017		2018		2019		2020		2021	
	#	%	#	%	#	%	#	%	#	%
Passed MCCEE										
0-2 years	780	34.5%	723	35.5%	0	0.0%	0	0.0%	0	0.0%
3-4 years	197	8.7%	174	8.5%	0	0.0%	0	0.0%	0	0.0%
5-6 years	137	6.1%	144	7.1%	0	0.0%	0	0.0%	0	0.0%
7-9 years	190	8.4%	144	7.1%	0	0.0%	0	0.0%	0	0.0%
10-14 years	219	9.7%	201	9.9%	0	0.0%	0	0.0%	0	0.0%
15-19 years	161	7.1%	151	7.4%	0	0.0%	0	0.0%	0	0.0%
20-24 years	76	3.4%	70	3.4%	0	0.0%	0	0.0%	0	0.0%
25-39 years	49	2.2%	49	2.4%	0	0.0%	0	0.0%	0	0.0%
40 + years	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Passed prior to earning MD	449	19.9%	381	18.7%	0	0.0%	0	0.0%	0	0.0%
Total	2258	100.0%	2037	100.0%	0	0.0%	0	0.0%	0	0.0%
Passed MCCQE I										
0-2 years	495	35.1%	411	37.0%	709	32.8%	589	27.6%	595	25.4%
3-4 years	150	10.6%	129	11.6%	215	9.9%	232	10.9%	282	12.1%
5-6 years	136	9.6%	98	8.8%	144	6.7%	183	8.6%	192	8.2%
7-9 years	152	10.8%	119	10.7%	250	11.6%	222	10.4%	283	12.1%
10-14 years	203	14.4%	164	14.7%	284	13.1%	319	14.9%	366	15.6%
15-19 years	150	10.6%	102	9.2%	182	8.4%	198	9.3%	225	9.6%
20-24 years	92	6.5%	62	5.6%	83	3.8%	77	3.6%	115	4.9%
25-39 years	30	2.1%	26	2.3%	36	1.7%	49	2.3%	59	2.5%
40 + years	0	0.0%	0	0.0%	1	0.0%	0	0.0%	0	0.0%
Passed prior to earning MD	4	0.3%	1	0.1%	257	11.9%	267	12.5%	222	9.5%
Total	1412	100.0%	1112	100.0%	2161	100.0%	2136	100.0%	2339	100.0%
Passed MCCQE II										
0-2 years	195	14.9%	226	19.7%	172	23.3%	0	0.0%	0	0.0%
3-4 years	201	15.4%	175	15.2%	145	19.6%	0	0.0%	0	0.0%
5-6 years	119	9.1%	139	12.1%	91	12.3%	0	0.0%	0	0.0%
7-9 years	196	15.0%	146	12.7%	101	13.7%	0	0.0%	0	0.0%
10-14 years	242	18.5%	196	17.1%	97	13.1%	0	0.0%	0	0.0%
15-19 years	185	14.2%	118	10.3%	86	11.7%	0	0.0%	0	0.0%
20-24 years	100	7.7%	103	9.0%	32	4.3%	0	0.0%	0	0.0%
25-39 years	67	5.1%	44	3.8%	14	1.9%	0	0.0%	0	0.0%
40 + years	0	0.0%	1	0.1%	0	0.0%	0	0.0%	0	0.0%
Passed prior to earning MD	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	1305	100.0%	1148	100.0%	738	100.0%	0	0.0%	0	0.0%

Distribution of examinees who passed MCCQEI by years since MD



Distribution of examinees who passed MCCQEII by years since MD



HIGHLIGHTS:

A greater proportion of IMGs are challenging the MCCQEI longer after completing their MD then in the past. This was expected as all IMGs must challenge MCCQEI now to be considered for training in Canada.

Section B

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.

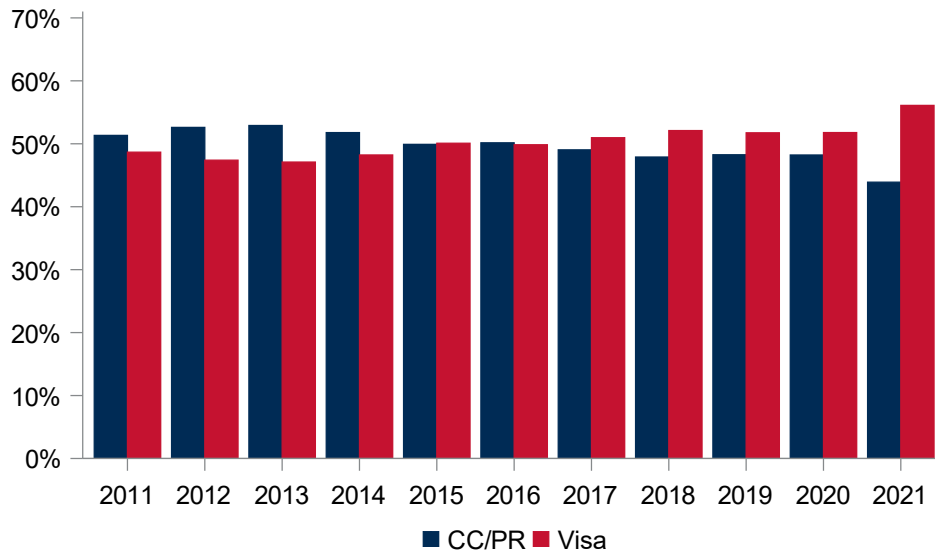
Key data elements of the annual CAPER files:

- 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

Table B1
IMGs IN POST-M.D. TRAINING
 Legal status for years 2011 to 2021

	Canadian citizen/ permanent resident		Visa trainee		Total	
	#	%	#	%	#	%
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%
2016	2280	50%	2266	50%	4546	100%
2017	2214	49%	2301	51%	4515	100%
2018	2200	48%	2393	52%	4593	100%
2019	2159	48%	2315	52%	4474	100%
2020	2110	48%	2266	52%	4376	100%
2021	2059	44%	2631	56%	4690	100%

Legal status for years 2011 to 2021



HIGHLIGHTS:

The overall number of IMGs in post-M.D. training increased from 4,376 in 2020 to 4,690 in 2021. This substantial increase was completely driven by visa trainees which now represent 56% of all IMG trainees.

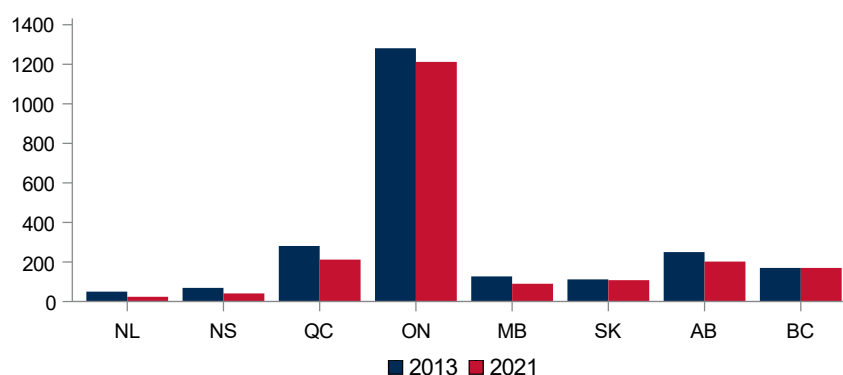
Table B2
IMGs IN POST-M.D. TRAINING

Canadian citizen/permanent residents* by province and faculty
Report Years 2013 to 2021

	2013	2014	2015	2016	2017	2018	2019	2020	2021
Newfoundland & Labrador	50	52	44	42	38	27	13	23	24
Memorial University of Newfoundland	50	52	44	42	38	27	13	23	24
Nova Scotia	69	67	59	55	52	46	46	48	41
Dalhousie University	69	67	59	55	52	46	46	48	41
Quebec	281	274	231	246	242	211	208	256	212
Université Laval	39	35	39	55	49	41	35	25	31
Université de Sherbrooke	42	40	30	29	26	21	24	17	17
Université de Montréal	98	93	56	70	77	51	51	98	52
McGill University	102	106	106	92	90	98	98	116	112
Ontario	1281	1295	1287	1277	1236	1281	1266	1200	1212
University of Ottawa	200	196	191	198	192	195	203	186	189
Queen's University	106	102	102	95	94	94	96	100	92
University of Toronto	539	545	542	539	533	565	570	523	548
McMaster University	208	224	225	217	208	206	192	179	179
University of Western Ontario	187	196	194	193	177	187	178	186	177
Northern Ontario School of Medicine	41	32	33	35	32	34	27	26	27
Manitoba	127	133	117	115	113	112	103	90	90
University of Manitoba	127	133	117	115	113	112	103	90	90
Saskatchewan	112	118	109	94	92	88	93	93	108
University of Saskatchewan	112	118	109	94	92	88	93	93	108
Alberta	250	237	232	228	227	240	233	218	202
University of Alberta	141	131	130	122	113	124	124	120	107
University of Calgary	109	106	102	106	114	116	109	98	95
British Columbia	170	168	183	223	214	195	197	182	170
University of British Columbia	170	168	183	223	214	195	197	182	170
Canada	2340	2344	2262	2280	2214	2200	2159	2110	2059

*Excludes visa trainees

Canadian citizen/permanent residents* by province - 2013 to 2021



HIGHLIGHTS:

Year-over-year the number of CC/PR IMG trainees has decreased from 2020 to 2021. The number of CC/PR IMG trainees is at it's lowest level since 2013.

Table B3
IMGs IN POST-M.D. TRAINING

Canadian citizen/permanent resident* IMG residents and fellows
by faculty of post-M.D. training
Report Years 2013 to 2021

Faculty	2013	2014	2015	2016	2017	2018	2019	2020	2021
Memorial University of Newfoundland	50	52	44	42	38	27	13	23	24
Residents	50	52	43	41	38	26	12	23	24
Fellows	0	0	1	1	0	1	1	0	0
Dalhousie University	69	67	59	55	52	46	46	48	41
Residents	68	63	57	52	51	46	46	48	41
Fellows	1	4	2	3	1	0	0	0	0
Université Laval	39	35	39	55	49	41	35	25	31
Residents	36	33	36	52	48	39	32	24	30
Fellows	3	2	3	3	1	2	3	1	1
Université de Sherbrooke	42	40	30	29	26	21	24	17	17
Residents	41	40	29	29	25	21	24	17	17
Fellows	1	0	1	0	1	0	0	0	0
Université de Montréal	98	93	56	70	77	51	51	98	52
Residents	44	35	46	51	54	49	48	45	40
Fellows	54	58	10	19	23	2	3	53	12
McGill University	102	106	106	92	90	98	98	116	112
Residents	91	93	90	85	80	86	90	95	99
Fellows	11	13	16	7	10	12	8	21	13
University of Ottawa	200	196	191	198	192	195	203	186	189
Residents	171	171	167	171	166	173	165	161	165
Fellows	29	25	24	27	26	22	38	25	24
Queen's University	106	102	102	95	94	94	96	100	92
Residents	101	98	96	89	91	93	92	94	87
Fellows	5	4	6	6	3	1	4	6	5
University of Toronto	539	545	542	539	533	565	570	523	548
Residents	367	351	351	352	345	347	347	341	341
Fellows	172	194	191	187	188	218	223	182	207
McMaster University	208	224	225	217	208	206	192	179	179
Residents	179	199	193	186	176	164	153	144	144
Fellows	29	25	32	31	32	42	39	35	35
University of Western Ontario	187	196	194	193	177	187	178	186	177
Residents	168	174	168	163	150	152	142	156	152
Fellows	19	22	26	30	27	35	36	30	25
Northern Ontario School of Medicine	41	32	33	35	32	34	27	26	27
Residents	41	32	33	35	32	34	27	26	26
Fellows	0	0	0	0	0	0	0	0	1
University of Manitoba	127	133	117	115	113	112	103	90	90
Residents	126	128	112	114	109	106	99	86	86
Fellows	1	5	5	1	4	6	4	4	4
University of Saskatchewan	112	118	109	94	92	88	93	93	108
Residents	112	118	109	94	92	87	92	93	108
Fellows	0	0	0	0	0	1	1	0	0
University of Alberta	141	131	130	122	113	124	124	120	107
Residents	124	115	111	97	92	100	103	96	93
Fellows	17	16	19	25	21	24	21	24	14
University of Calgary	109	106	102	106	114	116	109	98	95
Residents	94	89	86	85	81	85	79	76	67
Fellows	15	17	16	21	33	31	30	22	28
University of British Columbia	170	168	183	223	214	195	197	182	170
Residents	140	142	162	183	178	165	160	165	158
Fellows	30	26	21	40	36	30	37	17	12
All faculties	2340	2344	2262	2280	2214	2200	2159	2110	2059
Residents	1953	1933	1889	1879	1808	1773	1711	1690	1678
Fellows	387	411	373	401	406	427	448	420	381

*Excludes visa trainees

HIGHLIGHTS:

The majority of faculties saw a decrease in the number of CC/PR IMG trainees from 2020 to 2021. There were slight increases at Memorial (+1), Université Laval (+6), Ottawa (+3), University of Toronto (+25), NOSM (+1), and University of Saskatchewan (+15).

Table B4**IMGs IN POST-M.D. TRAINING**

Canadian citizen/permanent residents* by country of M.D. degree

Report Years 2013 to 2021

M.D. Country	2013	2014	2015	2016	2017	2018	2019	2020	2021
Algeria	21	18	22	24	22	17	22	20	24
Anguilla	0	0	1	3	3	6	8	8	5
Antigua and Barbuda	7	13	15	15	16	12	12	7	6
Argentina	14	12	10	8	6	3	4	4	5
Aruba	6	8	9	7	10	11	7	5	8
Australia	140	151	151	162	155	151	115	105	93
Austria	2	2	2	1	2	5	4	3	4
Bahrain	8	9	10	13	6	9	17	19	18
Bangladesh	14	10	5	5	11	16	13	11	9
Barbados	1	0	1	1	1	5	7	9	11
Belarus	5	3	5	6	4	3	4	3	2
Belize	2	5	7	6	7	4	3	3	2
Bonaire	8	8	8	8	7	7	7	4	4
Brazil	25	28	31	27	28	35	38	32	29
Bulgaria	13	9	8	5	2	1	0	1	2
Cayman Islands	7	6	9	10	8	7	4	6	6
Chile	7	6	3	2	4	3	2	1	4
China	49	39	35	27	29	31	29	26	23
Colombia	40	40	38	33	30	28	21	19	16
Croatia	6	4	2	1	1	2	2	0	0
Cuba	9	10	8	8	6	4	6	4	3
Curacao	0	0	0	3	2	4	5	7	11
Democratic Republic of the Congo	1	2	3	4	5	4	2	1	2
Dominica	27	38	54	50	44	44	35	31	32
Dominican Republic	2	3	3	5	1	1	0	1	1
Egypt	121	117	115	108	104	99	96	81	78
France	22	15	6	11	14	7	4	17	6
Germany	23	20	18	18	19	9	10	11	9
Greece	1	1	2	4	7	5	5	6	4
Grenada	75	89	88	76	64	59	65	65	65
Guyana	1	3	5	4	3	4	5	4	5
Haiti	8	9	9	8	5	9	9	10	8
Hungary	7	8	7	12	12	18	12	12	14
India	126	108	91	91	89	90	87	79	90
Iran	179	159	144	140	140	138	137	124	118
Iraq	39	40	43	40	37	35	28	16	14
Ireland	277	305	326	359	384	433	449	465	497
Israel	16	15	15	10	16	14	18	18	12
Italy	6	4	7	6	3	4	3	5	4
Jamaica	5	7	5	6	8	6	7	5	6
Jordan	11	13	10	13	14	12	14	9	8
Kuwait	2	5	4	2	3	4	4	5	6
Lebanon	13	15	15	21	20	14	12	20	19
Libya	27	16	14	10	11	8	8	6	3
Mexico	13	13	13	16	13	12	12	13	14
Moldova	11	12	8	9	5	2	5	3	4
Morocco	8	9	10	8	9	13	11	5	5
New Zealand	2	6	9	11	8	7	6	5	2
Nigeria	25	24	22	25	18	20	23	21	32
Pakistan	86	73	63	59	62	67	72	59	58
Philippines	22	20	13	14	12	12	10	15	15
Poland	62	66	60	54	45	40	48	55	57
Romania	54	43	30	25	16	11	11	10	12
Russia	42	30	22	24	20	17	13	16	11
Saba	94	96	88	78	83	73	73	64	44
Saint Kitts and Nevis	59	67	65	60	52	45	49	50	54
Saint Lucia	3	6	6	10	11	11	9	7	7
Saint Vincent and the Grenadines	3	3	3	6	8	7	6	9	6
Saudi Arabia	32	35	27	34	32	41	35	37	36

M.D. Country	2013	2014	2015	2016	2017	2018	2019	2020	2021
Serbia	5	5	6	9	8	6	7	7	5
Sint Eustatius	4	10	12	9	7	7	5	1	0
Sint Maarten	7	7	5	7	11	9	9	7	7
Slovakia	9	5	2	1	1	1	1	1	0
South Africa	28	29	27	19	15	14	16	19	13
Spain	4	4	4	4	5	4	3	4	6
Sri Lanka	9	9	6	8	8	8	9	8	4
Sudan	7	6	5	4	3	6	10	9	8
Switzerland	7	7	5	7	4	5	5	8	3
Syrian Arab Republic	14	9	9	20	22	22	26	28	24
Taiwan	3	5	4	4	4	4	1	2	1
Trinidad and Tobago	9	7	8	6	7	5	4	6	6
Tunisia	11	11	14	13	12	16	10	12	15
Turkey	5	9	8	11	5	3	3	3	3
Ukraine	21	24	23	19	12	13	11	9	10
United Arab Emirates	7	11	11	12	9	9	13	12	10
United Kingdom	102	95	94	129	150	138	131	140	134
United States of America	111	124	130	120	111	112	105	112	100
Venezuela	12	13	11	9	7	5	6	4	8
Yemen	1	1	1	1	3	4	2	4	5
Other countries**	75	77	74	62	53	50	59	57	54
Total	2340	2344	2262	2280	2214	2200	2159	2110	2059

*Excludes visa trainees

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

HIGHLIGHTS:

For CC/PR IMGs in 2021 the top five countries where they earned their MD were: Ireland (497), the United Kingdom (134), Iran (118), and the United States of America (100).

B4. IMG Trainees by Country of MD Degree (excluding visa trainees) - Report Year 2021

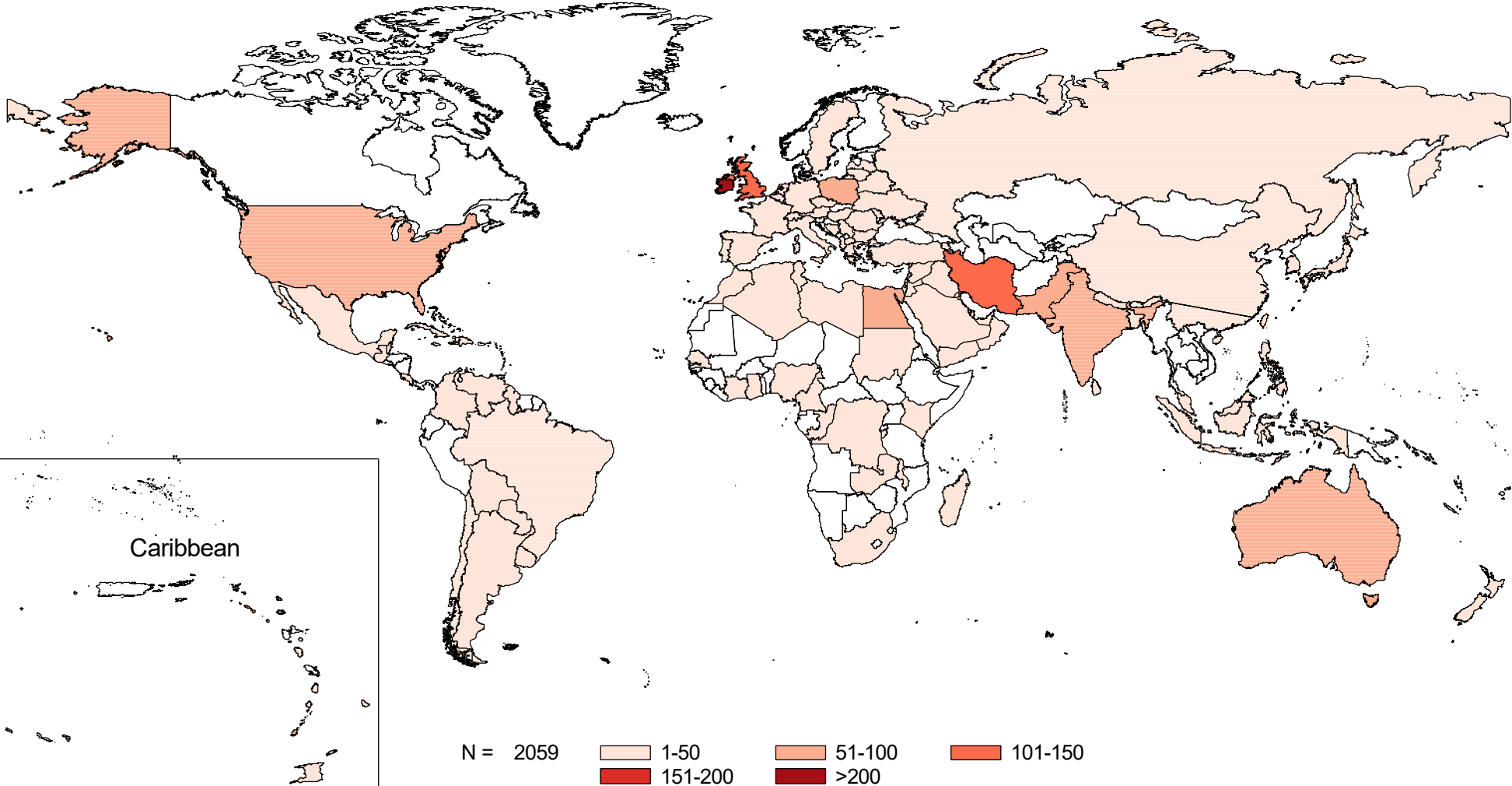
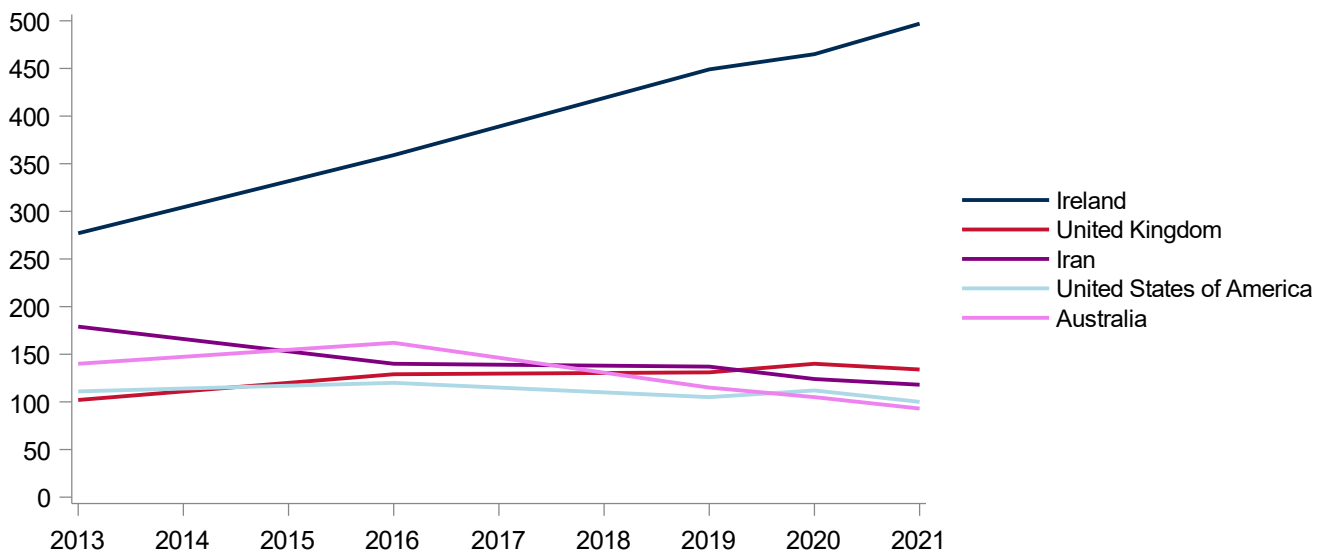


Table B4i**IMGs IN POST-M.D. TRAINING**

Top ten countries of M.D. degree for Canadian citizen/permanent resident trainees
Selected Report Years 2013 to 2021 - Top Ten countries by volume of IMGs

2013		2016		2019		2020		2021	
Top 10 countries	#IMGs	Top 10 countries	#IMGs	Top 10 countries	#IMGs	Top 10 countries	#IMGs	Top 10 countries	#IMGs
Ireland	277	Ireland	359	Ireland	449	Ireland	465	Ireland	497
Iran	179	Australia	162	Iran	137	United Kingdom	140	United Kingdom	134
Australia	140	Iran	140	United Kingdom	131	Iran	124	Iran	118
India	126	United Kingdom	129	Australia	115	USA	112	USA	100
Egypt	121	USA	120	USA	105	Australia	105	Australia	93
USA	111	Egypt	108	Egypt	96	Egypt	81	India	90
United Kingdom	102	India	91	India	87	India	79	Egypt	78
Saba	94	Saba	78	Saba	73	Grenada	65	Grenada	65
Pakistan	86	Grenada	76	Pakistan	72	Saba	64	Pakistan	58
Grenada	75	Saint Kitts and Nevis	60	Grenada	65	Pakistan	59	Poland	57

Years 2013 to 2021 - Selected countries**HIGHLIGHTS:**

For CC/PR IMGs the top five countries where they earned their MD degree remained the same between 2020 and 2021. The top country of MD degree remains Ireland on an upward trajectory.

Table B4ii
IMGs IN POST-M.D. TRAINING
Visa trainees by country of M.D. degree
Report Years 2013 to 2021

M.D. Country	2013	2014	2015	2016	2017	2018	2019	2020	2021
Algeria	1	3	1	1	3	5	2	1	1
Argentina	14	19	27	26	19	22	21	25	39
Australia	100	79	85	91	67	62	73	69	63
Austria	2	3	1	3	2	5	9	10	10
Bahrain	22	17	18	26	39	37	32	38	38
Belgium	17	14	12	17	22	17	16	30	22
Brazil	44	39	43	51	52	64	78	88	90
Chile	19	22	17	15	20	24	35	27	37
China	22	21	18	20	20	20	16	7	8
Colombia	16	19	20	21	22	16	20	30	41
Costa Rica	6	4	3	4	5	4	7	10	6
Cuba	1	0	1	2	3	3	5	3	3
Czech Republic	2	1	5	3	1	2	2	3	3
Egypt	22	19	29	27	29	30	34	27	44
Ethiopia	2	2	2	1	3	5	3	5	4
Finland	1	2	3	1	6	5	4	4	2
France	21	18	43	46	56	59	70	56	64
Germany	23	24	24	27	15	12	13	14	14
Greece	9	12	7	5	5	11	10	6	10
Guyana	3	2	0	1	5	2	4	3	4
Haiti	0	0	0	0	1	0	2	3	5
Hungary	6	11	12	11	9	16	17	15	16
India	168	184	174	144	138	147	138	122	138
Iran	5	2	5	5	0	1	2	3	8
Iraq	5	3	2	2	4	3	4	3	3
Ireland	77	86	86	85	90	99	119	130	146
Israel	67	76	78	85	89	77	81	88	86
Italy	24	28	25	23	26	30	20	24	26
Jamaica	13	12	11	18	15	12	11	6	9
Japan	51	53	49	56	43	34	35	20	31
Jordan	14	12	17	21	15	17	18	24	25
Kenya	2	5	4	3	6	6	11	10	7
Kuwait	31	30	42	42	46	67	79	115	121
Lebanon	9	9	12	7	10	22	21	29	43
Libya	15	10	7	0	1	0	2	1	6
Malaysia	6	5	3	3	3	5	9	6	12
Malta	0	1	2	2	2	4	5	6	9
Mexico	14	18	20	19	26	23	40	50	45
Morocco	2	2	5	4	6	4	2	1	1
Nepal	2	3	2	1	5	5	5	5	4
Netherlands	7	16	16	12	16	12	13	8	11
New Zealand	31	22	30	30	34	31	31	23	24
Nigeria	4	4	6	3	1	5	10	10	9
Oman	71	87	97	97	95	110	128	115	84
Pakistan	23	16	21	20	17	19	19	25	27
Palestinian Authority	3	3	3	6	4	4	3	4	7
Peru	3	1	0	1	2	1	2	3	7
Philippines	10	13	13	18	19	15	11	14	26
Poland	5	5	2	3	7	5	6	6	5
Portugal	5	8	7	2	0	3	3	4	4
Qatar	1	1	3	2	4	5	5	5	11
Romania	3	3	3	3	5	1	3	2	4
Russia	6	2	2	0	6	9	8	8	9
Rwanda	0	0	1	1	2	1	2	3	7
Saudi Arabia	676	742	756	765	796	799	599	553	721
Singapore	18	16	12	13	8	4	9	9	8
South Africa	19	24	18	17	14	22	24	28	22
South Korea	5	5	2	4	3	9	7	2	2
Spain	30	35	34	24	32	33	36	28	41

M.D. Country	2013	2014	2015	2016	2017	2018	2019	2020	2021
Sudan	8	8	11	11	8	6	2	6	6
Switzerland	19	23	23	21	16	17	22	24	22
Syrian Arab Republic	9	11	7	4	6	9	14	10	8
Thailand	21	18	21	26	24	21	22	13	21
Trinidad and Tobago	4	5	9	13	7	6	8	7	3
Tunisia	3	5	3	5	6	5	4	3	2
Turkey	4	3	4	8	8	10	11	12	10
Uganda	3	4	9	7	3	9	6	3	5
Ukraine	5	2	3	6	3	1	2	2	3
United Arab Emirates	22	24	26	23	17	21	24	42	63
United Kingdom	112	113	122	112	126	129	110	88	109
United States of America	58	57	48	45	40	43	41	35	46
Venezuela	2	3	3	5	6	3	0	2	3
Yemen	3	6	5	3	3	7	9	7	7
Other countries*	32	28	35	37	34	41	46	45	50
Total	2083	2183	2270	2266	2301	2393	2315	2266	2631

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

HIGHLIGHTS:

For visa post-M.D. trainees, the most common countries of MD degree in 2021 were: Saudi Arabia (721), Ireland (146), and India (138). As can be seen the biggest group of visa trainees completing post-M.D. training in Canada were from Saudi Arabia (27%).

B4ii. Visa Trainees by Country of MD Degree - Report Year 2021

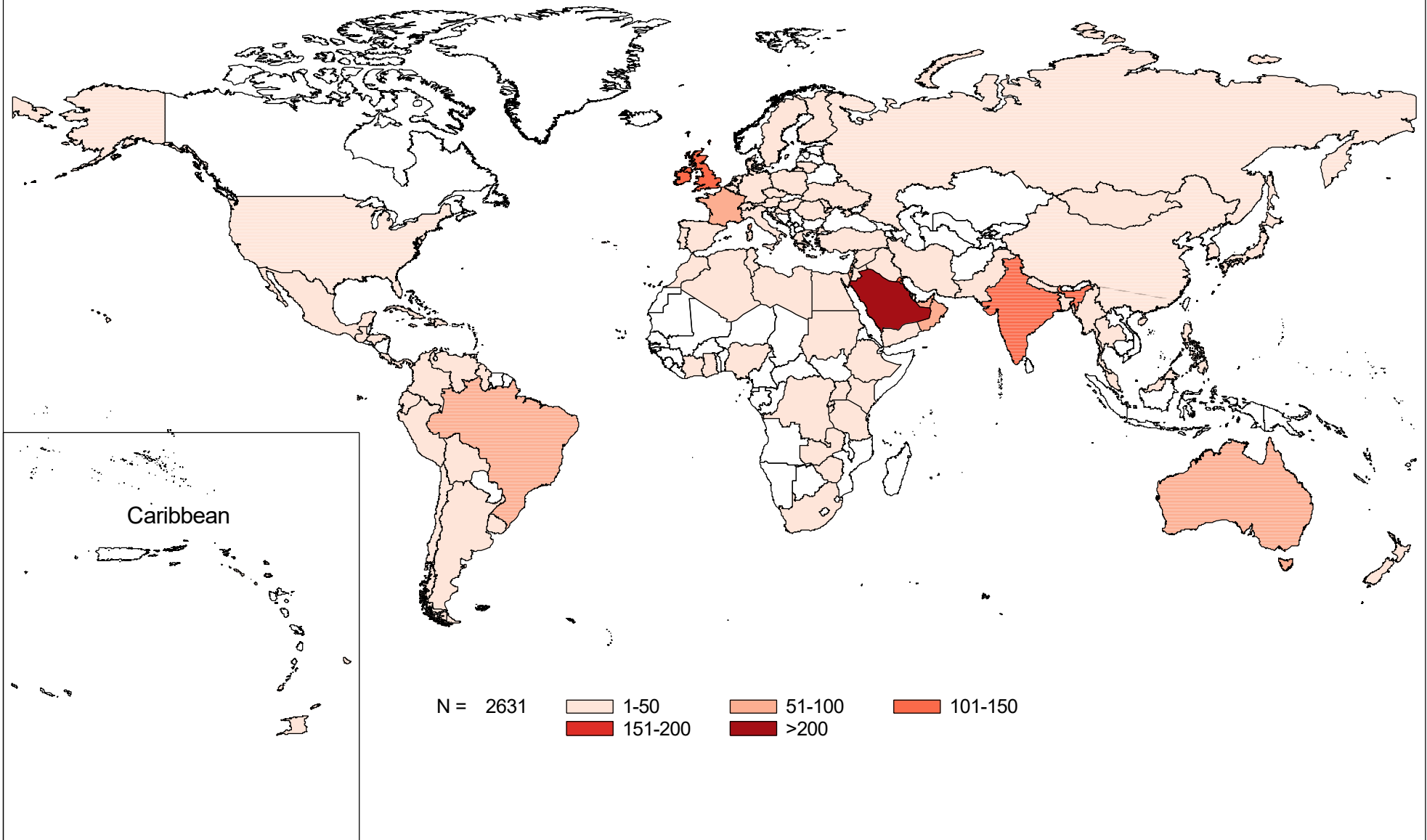


Table B5**IMGs IN POST-M.D. TRAINING**

Canadian citizen/permanent residents* by field of post-M.D. training (includes fellows)

Report Years 2017 to 2021

Field of Training	2017	2018	2019	2020	2021
Family Medicine	501	521	508	527	536
Emergency Medicine (CFPC)	10	7	9	11	11
Care of the Elderly (CFPC)	2	3	5	7	7
Enhanced Skills: Anesthesia (CFPC)	1	1	1	3	1
Enhanced Skills: Palliative Care (CFPC)	2	0	1	3	4
Enhanced Skills: Sports Medicine (CFPC)	1	3	3	2	2
Enhanced Skills: Other Fam. Med. Training	10	13	18	12	17
Family Medicine subtotal	527	548	545	565	578
Palliative Medicine	3	3	3	4	3
Other Training subtotal	3	3	3	4	3
Anesthesiology	83	80	84	81	83
Critical Care (Anes.)	1	0	0	3	1
Pain Medicine (Anes.)	4	3	5	3	2
Transfusion Medicine (Anes.)	0	0	0	1	0
Public Health and Preventive Medicine	28	25	26	23	21
Dermatology	12	9	9	11	9
Diagnostic Radiology	81	80	86	76	74
Interventional Radiology	0	0	1	1	1
Neuroradiology	2	5	4	6	8
Pediatric Radiology	4	8	4	6	7
Emergency Medicine (Royal College)	32	40	38	35	29
Critical Care (Emergency Med.)	0	0	0	0	2
Pediatric Emergency Medicine	0	0	0	1	0
Internal Medicine	220	207	199	211	208
Cardiology (Int.Med.)	63	68	76	75	62
Clinical Immunology and Allergy (Int.Med.)	3	2	1	1	0
Clinical Pharmacology and Toxicology (Int.Med.)	4	4	2	1	3
Critical Care (Int.Med.)	16	21	19	17	19
Endocrinology and Metabolism (Int.Med.)	6	10	10	9	10
Gastroenterology (Int.Med.)	21	25	30	24	29
General Internal Medicine	27	27	28	21	25
Geriatric Medicine (Int.Med.)	10	14	12	4	6
Hematology (Int.Med.)	16	16	14	10	10
Infectious Diseases (Int.Med.)	5	3	4	3	6
Medical Oncology (Int.Med.)	29	23	20	19	21
Nephrology (Int.Med.)	13	14	19	17	25
Occupational Medicine (Int.Med.)	2	1	0	1	1
Respirology (Int.Med.)	19	17	21	16	15
Rheumatology (Int.Med.)	13	15	16	13	17
Medical Genetics	14	13	14	11	11
Neurology	74	67	55	64	58
Neurology (Pediatrics)	11	13	14	10	8
Nuclear Medicine	6	6	7	9	5
Pediatrics	91	89	83	73	75
Adolescent Medicine (Ped.)	1	1	1	0	1
Cardiology (Ped.)	6	9	12	11	9

Field of Training	2017	2018	2019	2020	2021
Clinical Immunology and Allergy (Ped.)	6	5	2	1	0
Clinical Pharmacology and Toxicology (Ped.)	1	0	1	0	0
Critical Care (Ped.)	4	10	6	6	7
Endocrinology and Metabolism (Ped.)	3	4	4	5	3
Gastroenterology (Ped.)	4	3	4	3	1
Developmental Pediatrics (Ped.)	3	2	2	2	1
Pediatric Emergency Medicine (Ped.)	8	7	4	6	6
Hematology/Oncology (Ped.)	10	14	21	19	15
Infectious Diseases (Ped.)	1	1	0	2	3
Neonatal-Perinatal Medicine (Ped.)	39	40	39	36	27
Nephrology (Ped.)	1	2	3	5	5
Respirology (Ped.)	1	3	4	3	2
Rheumatology (Ped.)	0	3	2	1	3
Physical Medicine and Rehabilitation	21	18	15	11	13
Psychiatry	205	183	166	158	149
Child and Adolescent Psychiatry	5	9	9	7	10
Forensic Psychiatry	2	1	2	1	1
Geriatric Psychiatry	5	4	7	8	2
Radiation Oncology	22	18	13	16	9
Medical Specialties subtotal	1258	1242	1218	1157	1118
Anatomical Pathology	80	75	72	63	66
Forensic Pathology (Anat. Path.)	1	0	0	2	1
General Pathology	23	24	23	23	24
Forensic Pathology (Gen. Path.)	0	1	0	0	0
Hematological Pathology	8	6	4	5	5
Medical Biochemistry	4	1	1	0	2
Medical Microbiology	16	16	15	14	13
Neuropathology	2	1	0	1	1
Lab Medicine Specialties subtotal	134	124	115	108	112
Cardiac Surgery	17	18	17	14	12
Critical Care (Cardiac Surg.)	0	0	1	1	0
General Surgery	62	57	50	49	46
Colorectal Surgery	0	1	0	0	0
Critical Care (General Surgery)	0	0	0	2	1
General Surgical Oncology	4	3	3	3	5
Pediatric Surgery	1	3	4	3	7
Thoracic Surgery	7	3	4	5	1
Vascular Surgery	5	3	4	2	2
Neurosurgery	14	15	15	20	16
Obstetrics/Gynecology	33	37	41	33	42
Gynecologic Oncology	4	4	2	1	0
Gynecologic.Rep.Endocrin./Infertility	4	2	2	2	2
Maternal-Fetal Medicine	4	5	5	5	3
Ophthalmology	19	23	21	17	15
Otolaryngology - Head and Neck Surgery	11	10	7	5	5
Orthopedic Surgery	78	67	71	83	64
Plastic Surgery	9	8	6	5	7
Urology	15	16	14	19	14
Surgical Specialties subtotal	287	275	267	269	242
Addiction Medicine (AFC)	0	1	0	0	0

Field of Training	2017	2018	2019	2020	2021
Adult Cardiac Electrophysiology (AFC)	2	1	1	0	1
Adult Echocardiography (AFC)	1	1	3	3	2
Adult Hepatology (AFC)	0	1	0	0	0
Adult Interventional Cardiology (AFC)	1	2	3	2	3
Advanced Heart Failure and Cardiac Transplantation (AFC)	0	1	0	0	0
Cytopathology (AFC)	1	0	1	0	0
Solid Organ Transplantation (AFC)	0	0	1	1	0
Transfusion Medicine (AFC)	0	0	1	1	0
Trauma General Surgery (AFC)	0	1	1	0	0
Areas of Focused Competence subtotal	5	8	11	7	6
Total	2214	2200	2159	2110	2059

*Excludes visa trainees

HIGHLIGHTS:

The total number of CC/PR IMGs has dropped slightly over the last five years. There has been no major shift in specific specialties that this group of post-M.D. trainees are pursuing. The vast majority of CC/PR IMGs pursue studies in the Medical Specialties (54% in 2021) with the largest group within the Medical Specialties in 2021 being Internal Medicine (208) and Psychiatry (149).

Table B5i**IMGs IN POST-M.D. TRAINING**

Visa trainees only by field of post-M.D. training (includes fellows)

Report Years 2017 to 2021

Field of Training	2017	2018	2019	2020	2021
Family Medicine	9	7	8	9	11
Enhanced Skills: Palliative Care (CFPC)	0	0	1	0	1
Enhanced Skills: Sports Medicine (CFPC)	1	0	0	1	0
Enhanced Skills: Other Fam. Med. Training	5	4	1	2	0
Family Medicine subtotal	15	11	10	12	12
Palliative Medicine	1	2	7	5	9
Other Training subtotal	1	2	7	5	9
Anesthesiology	120	137	128	113	166
Critical Care (Anes.)	1	1	0	1	0
Pain Medicine (Anes.)	1	0	1	0	1
Transfusion Medicine (Anes.)	0	0	0	1	2
Public Health and Preventive Medicine	1	2	1	0	0
Dermatology	22	21	12	15	18
Diagnostic Radiology	128	129	137	142	152
Interventional Radiology	3	2	4	1	5
Neuroradiology	22	23	22	20	21
Pediatric Radiology	22	23	26	21	27
Emergency Medicine (Royal College)	24	24	22	25	39
Critical Care (Emergency Med.)	3	3	1	0	1
Pediatric Emergency Medicine	1	1	0	3	1
Internal Medicine	115	116	98	115	112
Cardiology (Int.Med.)	150	133	132	119	122
Clinical Immunology and Allergy (Int.Med.)	3	3	1	6	6
Clinical Pharmacology and Toxicology (Int.Med.)	1	1	0	0	0
Critical Care (Int.Med.)	56	59	57	62	74
Endocrinology and Metabolism (Int.Med.)	14	13	11	10	19
Gastroenterology (Int.Med.)	58	63	66	55	60
General Internal Medicine	5	3	2	3	5
Geriatric Medicine (Int.Med.)	3	1	3	5	5
Hematology (Int.Med.)	59	60	49	32	34
Infectious Diseases (Int.Med.)	22	9	13	14	26
Medical Oncology (Int.Med.)	39	57	58	53	66
Nephrology (Int.Med.)	50	61	49	54	70
Occupational Medicine (Int.Med.)	1	1	0	1	1
Respirology (Int.Med.)	27	28	29	25	29
Rheumatology (Int.Med.)	19	19	17	6	18
Transfusion Medicine (Int.Med.)	1	0	0	0	0
Medical Genetics	14	11	6	5	5
Neurology	90	91	83	95	118
Neurology (Pediatrics)	25	26	25	25	29
Nuclear Medicine	12	14	7	9	7
Pediatrics	60	64	69	69	72
Adolescent Medicine (Ped.)	1	1	1	3	3
Cardiology (Ped.)	27	29	33	29	31
Clinical Immunology and Allergy (Ped.)	3	3	9	7	10
Critical Care (Ped.)	36	32	32	40	34

Field of Training	2017	2018	2019	2020	2021
Endocrinology and Metabolism (Ped.)	8	11	11	10	13
Gastroenterology (Ped.)	14	19	21	17	19
Developmental Pediatrics (Ped.)	2	3	4	5	7
Pediatric Emergency Medicine (Ped.)	13	13	11	10	16
Hematology/Oncology (Ped.)	37	39	26	31	42
Infectious Diseases (Ped.)	13	8	11	7	9
Neonatal-Perinatal Medicine (Ped.)	71	79	85	90	89
Nephrology (Ped.)	16	12	13	13	15
Respirology (Ped.)	11	12	7	11	11
Rheumatology (Ped.)	7	5	3	4	5
Physical Medicine and Rehabilitation	5	9	7	6	11
Psychiatry	48	48	44	32	30
Child and Adolescent Psychiatry	6	5	1	2	4
Forensic Psychiatry	5	2	2	1	2
Geriatric Psychiatry	0	1	1	1	2
Radiation Oncology	50	55	54	48	48
Medical Specialties subtotal	1545	1585	1505	1472	1712
Anatomical Pathology	26	15	21	19	22
Forensic Pathology (Anat. Path.)	1	3	3	1	2
General Pathology	2	1	1	0	1
Hematological Pathology	6	7	5	6	4
Medical Biochemistry	2	3	1	0	0
Medical Microbiology	6	8	3	2	4
Neuropathology	4	2	6	3	2
Lab Medicine Specialties subtotal	47	39	40	31	35
Cardiac Surgery	68	68	68	56	55
Thoracic Surgery (Cardiac Surg.)	0	0	0	0	1
Critical Care (Cardiac Surg.)	1	1	1	1	0
General Surgery	85	94	90	90	104
Colorectal Surgery	2	3	3	4	6
Critical Care (General Surgery)	1	2	1	3	2
General Surgical Oncology	1	4	4	6	6
Pediatric Surgery	10	10	10	11	12
Thoracic Surgery	30	27	25	16	17
Vascular Surgery	11	14	12	11	17
Neurosurgery	74	75	68	86	98
Obstetrics/Gynecology	36	41	39	41	39
Gynecologic Oncology	10	7	12	12	13
Gynecologic.Rep.Endocrin./Infertility	12	11	6	7	9
Maternal-Fetal Medicine	21	22	24	27	28
Ophthalmology	67	72	74	69	75
Otolaryngology - Head and Neck Surgery	46	55	55	47	59
Orthopedic Surgery	137	150	159	157	188
Plastic Surgery	31	34	33	34	36
Urology	39	39	44	38	44
Surgical Specialties subtotal	682	729	728	716	809
Addiction Medicine (AFC)	0	0	0	1	0
Adult Cardiac Electrophysiology (AFC)	5	10	6	2	17
Adult Echocardiography (AFC)	0	3	1	4	4
Adult Hepatology (AFC)	0	1	2	3	3

Field of Training	2017	2018	2019	2020	2021
Adult Interventional Cardiology (AFC)	5	8	12	12	22
Adult Thrombosis Medicine (AFC)	0	0	2	5	1
Advanced Heart Failure and Cardiac Transplantation (AFC)	0	0	0	0	2
Child Maltreatment Pediatrics (AFC)	0	0	0	0	1
Pediatric Urology (AFC)	0	1	0	0	0
Solid Organ Transplantation (AFC)	1	1	1	2	3
Trauma General Surgery (AFC)	0	3	1	1	1
Areas of Focused Competence subtotal	11	27	25	30	54
Total	2301	2393	2315	2266	2631

HIGHLIGHTS:

Unlike CC/PR IMGs, visa IMGs pursuing post-M.D. studies in Canada almost completely exclude family medicine (12 vs. 578, respectively). As was the case with CC/PR IMGs the majority of visa trainees are working in the Medical Specialties (65%). Interestingly a greater proportion of visa trainees (31%) relative to CC/PR trainees (12%) are training in the Surgical Specialties.

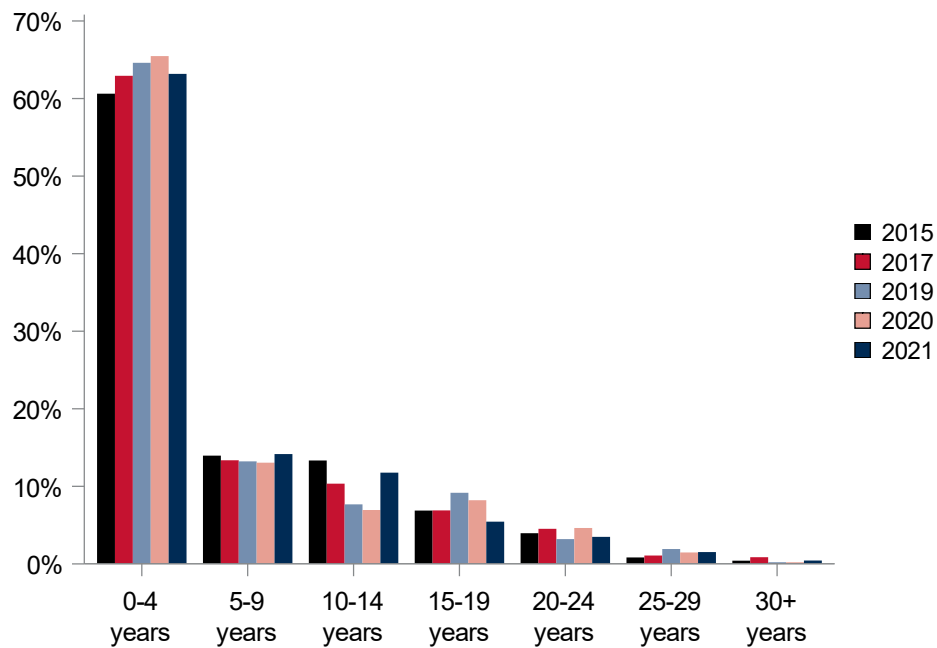
Table B6**IMGs IN POST-M.D. TRAINING**

Canadian citizen/permanent resident* FIRST YEAR trainees
by years since MD graduation
Report Years 2013 to 2021

Years since MD	2013	2014	2015	2016	2017	2018	2019	2020	2021
0-4 years	342	346	291	314	292	287	303	311	290
5-9 years	78	53	67	57	62	79	62	62	65
10-14 years	70	43	64	45	48	52	36	33	54
15-19 years	39	29	33	32	32	40	43	39	25
20-24 years	18	18	19	19	21	9	15	22	16
25-29 years	3	1	4	10	5	8	9	7	7
30+ years	6	1	2	0	4	1	1	1	2
Total first year	556	491	480	477	464	476	469	475	459

*Excludes visa trainees

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

**HIGHLIGHTS:**

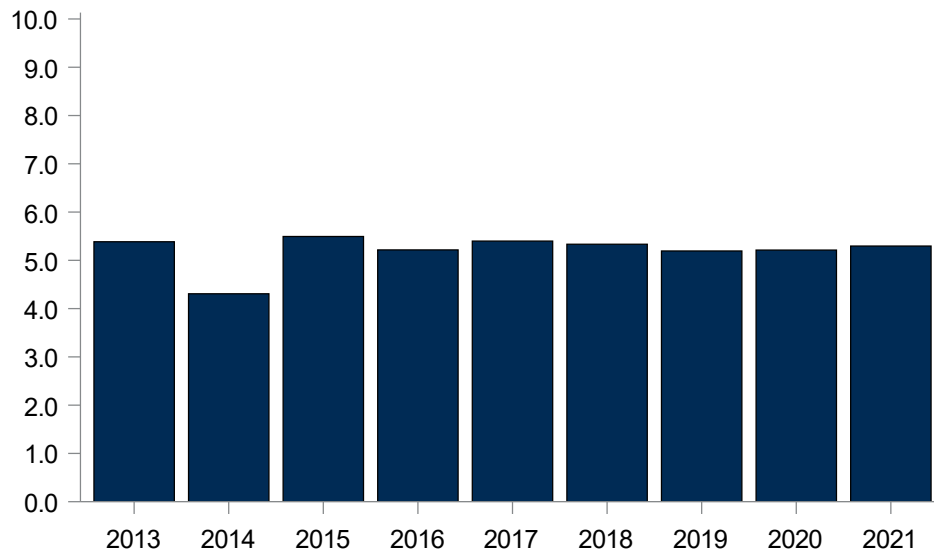
The majority of CC/PR IMGs pursuing post-M.D. studies have completed their MD in the last 0-4 years.

Table B6i**IMGs IN POST-M.D. TRAINING**

Canadian citizen/permanent resident* FIRST YEAR trainees
by years since MD graduation
Report Years 2013 to 2021

Report Year	Years since MD graduation			
	Mean	Min	Max	Median
2013	5.4	0	34	2.0
2014	4.3	0	31	1.0
2015	5.5	0	36	2.0
2016	5.2	0	28	2.0
2017	5.4	0	36	2.0
2018	5.3	0	31	2.0
2019	5.2	0	32	2.0
2020	5.2	0	31	2.0
2021	5.3	0	33	3.0

*Excludes visa trainees

Mean number of years since MD graduation for first year trainees**HIGHLIGHTS:**

From 2013 to 2014 for CC/PR IMG post-M.D. first year trainees the average number of years since MD graduation declined. A moderate gain and stabilization was observed in 2015 through 2021.

Table B7
IMGs IN POST-M.D. TRAINING
 Field of training by gender for all trainees
 Report Year 2021

Field of Training	Female		Male		Total
	#	%	#	%	
Family Medicine	343	62.7%	204	37.3%	547
Emergency Medicine (CFPC)	3	27.3%	8	72.7%	11
Care of the Elderly (CFPC)	5	71.4%	2	28.6%	7
Enhanced Skills: Anesthesia (CFPC)			1	100.0%	1
Enhanced Skills: Palliative Care (CFPC)	3	60.0%	2	40.0%	5
Enhanced Skills: Sports Medicine (CFPC)			2	100.0%	2
Enhanced Skills: Other Fam. Med. Training	11	64.7%	6	35.3%	17
Family Medicine subtotal	365	61.9%	225	38.1%	590
Palliative Medicine	7	58.3%	5	41.7%	12
Other Training subtotal	7	58.3%	5	41.7%	12
Anesthesiology	113	45.4%	136	54.6%	249
Critical Care (Anes.)	1	100.0%			1
Pain Medicine (Anes.)	1	33.3%	2	66.7%	3
Transfusion Medicine (Anes.)			2	100.0%	2
Public Health and Preventive Medicine	13	61.9%	8	38.1%	21
Dermatology	18	66.7%	9	33.3%	27
Diagnostic Radiology	83	36.7%	143	63.3%	226
Interventional Radiology	1	16.7%	5	83.3%	6
Neuroradiology	11	37.9%	18	62.1%	29
Pediatric Radiology	21	61.8%	13	38.2%	34
Emergency Medicine (Royal College)	28	41.2%	40	58.8%	68
Critical Care (Emergency Med.)	1	33.3%	2	66.7%	3
Pediatric Emergency Medicine	1	100.0%			1
Internal Medicine	146	45.6%	174	54.4%	320
Cardiology (Int.Med.)	44	23.9%	140	76.1%	184
Clinical Immunology and Allergy (Int.Med.)	4	66.7%	2	33.3%	6
Clinical Pharmacology and Toxicology (Int.Med.)	1	33.3%	2	66.7%	3
Critical Care (Int.Med.)	29	31.2%	64	68.8%	93
Endocrinology and Metabolism (Int.Med.)	20	69.0%	9	31.0%	29
Gastroenterology (Int.Med.)	20	22.5%	69	77.5%	89
General Internal Medicine	15	50.0%	15	50.0%	30
Geriatric Medicine (Int.Med.)	7	63.6%	4	36.4%	11
Hematology (Int.Med.)	23	52.3%	21	47.7%	44
Infectious Diseases (Int.Med.)	17	53.1%	15	46.9%	32
Medical Oncology (Int.Med.)	36	41.4%	51	58.6%	87
Nephrology (Int.Med.)	39	41.1%	56	58.9%	95
Occupational Medicine (Int.Med.)			2	100.0%	2
Respirology (Int.Med.)	21	47.7%	23	52.3%	44
Rheumatology (Int.Med.)	26	74.3%	9	25.7%	35
Medical Genetics	9	56.3%	7	43.8%	16
Neurology	83	47.2%	93	52.8%	176
Neurology (Pediatrics)	18	48.6%	19	51.4%	37
Nuclear Medicine	4	33.3%	8	66.7%	12
Pediatrics	92	62.6%	55	37.4%	147
Adolescent Medicine (Ped.)	3	75.0%	1	25.0%	4

Field of Training	Female		Male		Total
	#	%	#	%	
Cardiology (Ped.)	18	45.0%	22	55.0%	40
Clinical Immunology and Allergy (Ped.)	6	60.0%	4	40.0%	10
Critical Care (Ped.)	21	51.2%	20	48.8%	41
Endocrinology and Metabolism (Ped.)	13	81.3%	3	18.8%	16
Gastroenterology (Ped.)	14	70.0%	6	30.0%	20
Developmental Pediatrics (Ped.)	8	100.0%			8
Pediatric Emergency Medicine (Ped.)	13	59.1%	9	40.9%	22
Hematology/Oncology (Ped.)	36	63.2%	21	36.8%	57
Infectious Diseases (Ped.)	6	50.0%	6	50.0%	12
Neonatal-Perinatal Medicine (Ped.)	68	58.6%	48	41.4%	116
Nephrology (Ped.)	11	55.0%	9	45.0%	20
Respirology (Ped.)	6	46.2%	7	53.8%	13
Rheumatology (Ped.)	5	62.5%	3	37.5%	8
Physical Medicine and Rehabilitation	14	58.3%	10	41.7%	24
Psychiatry	105	58.7%	74	41.3%	179
Child and Adolescent Psychiatry	10	71.4%	4	28.6%	14
Forensic Psychiatry	2	66.7%	1	33.3%	3
Geriatric Psychiatry	2	50.0%	2	50.0%	4
Radiation Oncology	29	50.9%	28	49.1%	57
Medical Specialties subtotal	1336	47.2%	1494	52.8%	2830
Anatomical Pathology	56	63.6%	32	36.4%	88
Forensic Pathology (Anat. Path.)	1	33.3%	2	66.7%	3
General Pathology	16	64.0%	9	36.0%	25
Hematological Pathology	7	77.8%	2	22.2%	9
Medical Biochemistry			2	100.0%	2
Medical Microbiology	7	41.2%	10	58.8%	17
Neuropathology	2	66.7%	1	33.3%	3
Lab Medicine Specialties subtotal	89	60.5%	58	39.5%	147
Cardiac Surgery	14	20.9%	53	79.1%	67
Thoracic Surgery (Cardiac Surg.)			1	100.0%	1
General Surgery	60	40.0%	90	60.0%	150
Colorectal Surgery			6	100.0%	6
Critical Care (General Surgery)	2	66.7%	1	33.3%	3
General Surgical Oncology	7	63.6%	4	36.4%	11
Pediatric Surgery	7	36.8%	12	63.2%	19
Thoracic Surgery	5	27.8%	13	72.2%	18
Vascular Surgery	4	21.1%	15	78.9%	19
Neurosurgery	31	27.2%	83	72.8%	114
Obstetrics/Gynecology	55	67.9%	26	32.1%	81
Gynecologic Oncology	7	53.8%	6	46.2%	13
Gynecologic.Rep.Endocrin./Infertility	6	54.5%	5	45.5%	11
Maternal-Fetal Medicine	21	67.7%	10	32.3%	31
Ophthalmology	37	41.1%	53	58.9%	90
Otolaryngology - Head and Neck Surgery	21	32.8%	43	67.2%	64
Orthopedic Surgery	36	14.3%	216	85.7%	252
Plastic Surgery	9	20.9%	34	79.1%	43
Urology	11	19.0%	47	81.0%	58
Surgical Specialties subtotal	333	31.7%	718	68.3%	1051
Adult Cardiac Electrophysiology (AFC)	4	22.2%	14	77.8%	18
Adult Echocardiography (AFC)	2	33.3%	4	66.7%	6

Field of Training	Female		Male		Total
	#	%	#	%	
Adult Hepatology (AFC)			3	100.0%	3
Adult Interventional Cardiology (AFC)	2	8.0%	23	92.0%	25
Adult Thrombosis Medicine (AFC)	1	100.0%			1
Advanced Heart Failure and Cardiac Transplantation (AFC)	1	50.0%	1	50.0%	2
Child Maltreatment Pediatrics (AFC)	1	100.0%			1
Solid Organ Transplantation (AFC)	1	33.3%	2	66.7%	3
Trauma General Surgery (AFC)			1	100.0%	1
Areas of Focused Competence subtotal	12	20.0%	48	80.0%	60
Total	2142	45.7%	2548	54.3%	4690

HIGHLIGHTS:

For all IMGs (CC/PR and visa) the majority of post-M.D. trainees are male (54.3%). This pattern is particularly pronounced in the Surgical Specialties (68.3% male) but reversed in Family Medicine (61.9% female) and Lab Medicine (60.5% female).

Table B8
IMGs IN POST-M.D. TRAINING

Field of training by mean age for all trainees
Report Year 2021

Field of Training	Mean age of IMG trainee
Family Medicine	33
Emergency Medicine (CFPC)	34
Care of the Elderly (CFPC)	38
Enhanced Skills: Anesthesia (CFPC)	29
Enhanced Skills: Palliative Care (CFPC)	31
Enhanced Skills: Sports Medicine (CFPC)	44
Enhanced Skills: Other Fam. Med. Training	36
Family Medicine subtotal	34
Palliative Medicine	36
Other Training subtotal	36
Anesthesiology	35
Critical Care (Anes.)	31
Pain Medicine (Anes.)	35
Transfusion Medicine (Anes.)	39
Public Health and Preventive Medicine	38
Dermatology	34
Diagnostic Radiology	34
Interventional Radiology	36
Neuroradiology	36
Pediatric Radiology	36
Emergency Medicine (Royal College)	33
Critical Care (Emergency Med.)	34
Pediatric Emergency Medicine	34
Internal Medicine	31
Cardiology (Int.Med.)	36
Clinical Immunology and Allergy (Int.Med.)	33
Clinical Pharmacology and Toxicology (Int.Med.)	37
Critical Care (Int.Med.)	35
Endocrinology and Metabolism (Int.Med.)	35
Gastroenterology (Int.Med.)	34
General Internal Medicine	34
Geriatric Medicine (Int.Med.)	34
Hematology (Int.Med.)	37
Infectious Diseases (Int.Med.)	34
Medical Oncology (Int.Med.)	35
Nephrology (Int.Med.)	35
Occupational Medicine (Int.Med.)	35
Respirology (Int.Med.)	34
Rheumatology (Int.Med.)	34
Medical Genetics	35
Neurology	34
Neurology (Pediatrics)	36
Nuclear Medicine	37
Pediatrics	32
Adolescent Medicine (Ped.)	38
Cardiology (Ped.)	36

Field of Training	Mean age of IMG trainee
Clinical Immunology and Allergy (Ped.)	35
Critical Care (Ped.)	35
Endocrinology and Metabolism (Ped.)	34
Gastroenterology (Ped.)	35
Developmental Pediatrics (Ped.)	35
Pediatric Emergency Medicine (Ped.)	34
Hematology/Oncology (Ped.)	36
Infectious Diseases (Ped.)	34
Neonatal-Perinatal Medicine (Ped.)	37
Nephrology (Ped.)	36
Respirology (Ped.)	36
Rheumatology (Ped.)	33
Physical Medicine and Rehabilitation	35
Psychiatry	34
Child and Adolescent Psychiatry	34
Forensic Psychiatry	32
Geriatric Psychiatry	38
Radiation Oncology	34
Medical Specialties subtotal	34
Anatomical Pathology	37
Forensic Pathology (Anat. Path.)	44
General Pathology	35
Hematological Pathology	38
Medical Biochemistry	35
Medical Microbiology	36
Neuropathology	38
Lab Medicine Specialties subtotal	37
Cardiac Surgery	36
Thoracic Surgery (Cardiac Surg.)	34
General Surgery	33
Colorectal Surgery	37
Critical Care (General Surgery)	37
General Surgical Oncology	36
Pediatric Surgery	36
Thoracic Surgery	37
Vascular Surgery	32
Neurosurgery	35
Obstetrics/Gynecology	34
Gynecologic Oncology	37
Gynecologic.Rep.Endocrin./Infertility	35
Maternal-Fetal Medicine	36
Ophthalmology	34
Otolaryngology - Head and Neck Surgery	34
Orthopedic Surgery	34
Plastic Surgery	34
Urology	34
Surgical Specialties subtotal	34
Adult Cardiac Electrophysiology (AFC)	36
Adult Echocardiography (AFC)	38
Adult Hepatology (AFC)	36

Field of Training	Mean age of IMG trainee
Adult Interventional Cardiology (AFC)	34
Adult Thrombosis Medicine (AFC)	31
Advanced Heart Failure and Cardiac Transplantation (AFC)	37
Child Maltreatment Pediatrics (AFC)	34
Solid Organ Transplantation (AFC)	40
Trauma General Surgery (AFC)	35
Areas of Focused Competence subtotal	36
Total	34

HIGHLIGHTS:

In 2021, the average age of an IMG trainee in Canada was 34. Lab Specialties and Areas of Focused Competence were the oldest at 37 and 36, respectively. Surgical and Medical Specialties were tied at 34 and Family Medicine was one year lower at 33.

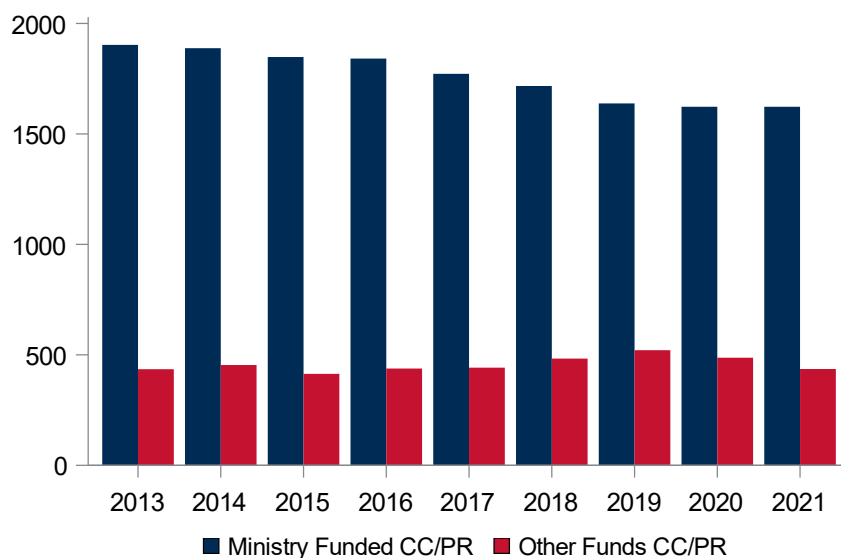
Table B9**IMGs IN POST-M.D. TRAINING**

Canadian citizen/permanent resident and visa trainees by source of funding

Report Years 2013 to 2021

Funding source Legal status	Ministry Funds		Other Funds*		Unknown Source		Total	
	CC/PR	Visa	CC/PR	Visa	CC/PR	Visa	CC/PR	Visa
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
2016	1841	16	438	2250	1	0	2280	2266
2017	1772	19	442	2281	0	1	2214	2301
2018	1717	15	483	2374	0	4	2200	2393
2019	1638	15	521	2291	0	9	2159	2315
2020	1623	18	487	2238	0	10	2110	2266
2021	1623	12	436	2616	0	3	2059	2631

*see definitions section

**Ministry and other funded Canadian
citizens/permanent resident IMGs - 2013 to 2021****HIGHLIGHTS:**

The number of ministry funded CC/PR IMGs has decreased slightly since a peak of 1,903 in 2013 to 1,623 in 2021. In parallel there has been a very gradual increase in the number of CC/PR IMGs whose studies are funded by other funds. However, there was a drop in this group from 2020 to 2021.

Table B10**IMGs IN POST-M.D. TRAINING**

Canadian citizen/permanent resident and visa trainees by rank, 2021

Legal status	Residents							Fellows	Total
	PGY-1	PGY-2	PGY-3	PGY-4	PGY-5	PGY-6	PGY-7		
CC/PR	459	482	233	218	217	58	11	381	2059
Visa	131	123	113	143	120	46	18	1937	2631
Total	590	605	346	361	337	104	29	2318	4690

Table B11

IMGs EXITING* POST-M.D. TRAINING

Exiting between Nov 2020 to Nov 2021 by legal status
and field of training (includes fellows)

Field of training when exiting	Legal Status as of July 2020		
	Canadian citizen/ permanent resident	Visa	Total
Family Medicine	206	2	208
Emergency Medicine (CFPC)	10	0	10
Care of the Elderly (CFPC)	7	0	7
Enhanced Skills: Anesthesia (CFPC)	3	0	3
Enhanced Skills: Palliative Care (CFPC)	3	0	3
Enhanced Skills: Sports Medicine (CFPC)	2	1	3
Enhanced Skills: Other Fam. Med. Training	11	1	12
Family Medicine Subtotal	242	4	246
Anesthesiology	22	53	75
Critical Care (Anes.)	2	0	2
Pain Medicine (Anes.)	2	0	2
Transfusion Medicine (Anes.)	1	0	1
Public Health and Preventive Medicine	5	0	5
Dermatology	4	6	10
Diagnostic Radiology	29	84	113
Interventional Radiology	0	1	1
Neuroradiology	3	8	11
Pediatric Radiology	4	11	15
Emergency Medicine (Royal College)	10	2	12
Pediatric Emergency Medicine	0	2	2
Internal Medicine	12	6	18
Cardiology (Int.Med.)	24	45	69
Clinical Immunology and Allergy (Int.Med.)	1	0	1
Critical Care (Int.Med.)	7	29	36
Endocrinology and Metabolism (Int.Med.)	4	4	8
Gastroenterology (Int.Med.)	11	23	34
General Internal Medicine	12	1	13
Geriatric Medicine (Int.Med.)	3	1	4
Hematology (Int.Med.)	5	16	21
Infectious Diseases (Int.Med.)	0	8	8
Medical Oncology (Int.Med.)	7	21	28
Nephrology (Int.Med.)	6	18	24
Respirology (Int.Med.)	6	15	21
Rheumatology (Int.Med.)	6	0	6
Medical Genetics and Genomics	3	3	6
Neurology	20	35	55
Neurology (Pediatrics)	3	8	11
Nuclear Medicine	3	4	7
Palliative Medicine	2	4	6
Pediatrics	6	18	24
Adolescent Medicine (Ped.)	0	1	1
Cardiology (Ped.)	5	15	20
Clinical Immunology and Allergy (Ped.)	1	2	3
Critical Care (Ped.)	5	20	25
Endocrinology and Metabolism (Ped.)	3	6	9
Gastroenterology (Ped.)	3	7	10

Field of training when exiting	Legal Status as of July 2020		
	Canadian citizen/ permanent resident	Visa	Total
Developmental Pediatrics (Ped.)	2	1	3
Pediatric Emergency Medicine (Ped.)	3	4	7
Hematology/Oncology (Ped.)	9	8	17
Infectious Diseases (Ped.)	0	4	4
Neonatal-Perinatal Medicine (Ped.)	19	34	53
Nephrology (Ped.)	1	5	6
Respirology (Ped.)	1	5	6
Rheumatology (Ped.)	0	2	2
Physical Medicine and Rehabilitation	3	2	5
Psychiatry	33	14	47
Child and Adolescent Psychiatry	6	1	7
Forensic Psychiatry	1	1	2
Geriatric Psychiatry	6	0	6
Radiation Oncology	11	18	29
Medical Specialties Subtotal	335	576	911
Diagnostic and Molecular Pathology (Anatomical Path.)	16	9	25
Forensic Pathology (Diag. and Molecular Path.)	2	1	3
Diagnostic and Clinical Pathology (General Path.)	1	0	1
Hematological Pathology	2	3	5
Medical Microbiology	3	0	3
Neuropathology	0	2	2
Lab Medicine Specialties Subtotal	24	15	39
Cardiac Surgery	5	20	25
Critical Care (Cardiac Surg.)	1	0	1
General Surgery	10	20	30
Colorectal Surgery	0	2	2
Critical Care (General Surgery)	1	1	2
General Surgical Oncology	1	3	4
Pediatric Surgery	1	4	5
Thoracic Surgery	5	13	18
Vascular Surgery	0	3	3
Neurosurgery	11	31	42
Obstetrics/Gynecology	2	13	15
Gynecologic Oncology	1	6	7
Gynecologic.Rep.Endocrin./Infertility	0	2	2
Maternal-Fetal Medicine	3	14	17
Ophthalmology	8	35	43
Otolaryngology - Head and Neck Surgery	2	18	20
Orthopedic Surgery	28	71	99
Plastic Surgery	1	12	13
Urology	7	20	27
Surgical Specialties Subtotal	87	288	375
Addiction Medicine (AFC)	0	1	1
Adult Cardiac Electrophysiology (AFC)	0	1	1
Adult Echocardiography (AFC)	3	3	6
Adult Hepatology (AFC)	0	2	2
Adult Interventional Cardiology (AFC)	1	8	9
Adult Thrombosis Medicine (AFC)	0	3	3
Solid Organ Transplantation (AFC)	0	2	2
Transfusion Medicine (AFC)	1	0	1

Field of training when exiting	Legal Status as of July 2020		
	Canadian citizen/ permanent resident	Visa	Total
Trauma General Surgery (AFC)	0	1	1
Areas of Focused Competence Subtotal	5	21	26
Total	693	904	1597

*at a level consistent with completion of training

HIGHLIGHTS:

Over half of the IMGs exiting training in 2021 were visa trainees (58%). Approximately 81% of exiting visa trainees left either the Medical or Surgical Specialties.

Section C

IMGs IN PRACTICE

In previous editions of the IMG report we reported data on practicing physicians primarily based on the electronic version of Scott's Medical Directory (MD Select). For a variety of reasons the decision was made not to purchase this file again. Therefore, this section contains fewer tables than previous years. Data in this section is based on core CAPER data in addition to the practice location data provided by the Canadian Medical Association and historical MD Select data (where applicable).

Tables C1 and C2 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 was used.

Practice locations based on postal codes are grouped into various geographic categories such as urban, small city, town, rural using the Postal Code Conversion File (PCCF).

Table C1
IMGs IN PRACTICE

IMGs who exited Canadian postgrad training in 2019 by faculty of post-MD training and initial practice location in 2021* - excluding visa trainees

Faculty of post-MD training	Practice Location in 2021													Total
	NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	TERR	Other Country	Not Located **	
Memorial	4	0	0	0	2	2	0	0	1	0	0	0	1	10
Dalhousie	0	6	1	3	0	3	0	0	2	0	0	0	1	16
Laval	0	0	0	0	13	0	0	0	0	0	0	0	2	15
Sherbrooke	0	0	0	0	3	0	0	0	0	0	0	0	3	6
Montréal	0	0	0	0	10	1	0	0	0	0	0	0	5	16
McGill	1	1	0	1	11	5	0	1	0	1	0	0	9	30
Ottawa	1	2	0	0	2	40	0	2	0	2	0	0	2	51
Queen's	0	2	0	1	1	25	1	0	0	1	0	0	1	32
Toronto	1	1	0	3	5	131	0	4	3	5	0	0	52	205
McMaster	0	0	0	0	1	50	0	0	0	3	0	0	14	68
Western	0	0	0	0	0	48	0	0	2	0	0	0	8	58
NOSM	0	0	0	0	0	13	0	0	0	0	0	0	0	13
Manitoba	0	0	0	0	0	3	17	2	1	1	0	0	5	29
Saskatchewan	0	1	0	0	0	5	0	9	1	2	0	0	1	19
Alberta	0	0	0	1	0	1	1	1	25	2	0	0	4	35
Calgary	2	0	0	0	0	0	0	2	30	2	0	0	6	42
UBC	0	0	0	1	0	1	0	0	3	68	0	0	10	83
Total	9	13	1	10	48	328	19	21	68	87	0	0	124	728

*Based on linkage with CMA Masterfile and MD Select file.

**If the CMA Masterfile and the MD Select file did not contain sufficient location information on a practicing IMG they were classified as "Not Located".

HIGHLIGHTS:

In 2021, for IMG physicians two years after graduating from a Canadian medical faculty in 2019 who had 10 or more located physicians, Laval (100%), NOSM (100%), and Western (90%) had the greatest percentage of physicians still practicing in their province.

Table C2
IMGs IN PRACTICE

IMGs who exited Canadian postgrad training in 2019 by faculty of post-M.D.
training and initial practice location in 2021* - excluding visa trainees

Faculty of post-MD training	Practice Location in 2021*									
	Large urban centre		Small city		Town		Rural		Total	
	#	%	#	%	#	%	#	%	#	%
Memorial University of Newfoundland	7	77.8%	0	0.0%	1	11.1%	1	11.1%	9	100.0%
Dalhousie University	7	46.7%	1	6.7%	2	13.3%	5	33.3%	15	100.0%
Université Laval	9	69.2%	0	0.0%	2	15.4%	2	15.4%	13	100.0%
Université de Sherbrooke	3	100.0%	0	0.0%	0	0.0%	0	0.0%	3	100.0%
Université de Montréal	9	81.8%	0	0.0%	0	0.0%	2	18.2%	11	100.0%
McGill University	18	85.7%	0	0.0%	1	4.8%	2	9.5%	21	100.0%
University of Ottawa	46	93.9%	1	2.0%	2	4.1%	0	0.0%	49	100.0%
Queen's University	26	83.9%	1	3.2%	0	0.0%	4	12.9%	31	100.0%
University of Toronto	141	93.4%	3	2.0%	6	4.0%	1	0.7%	151	100.0%
McMaster University	52	96.3%	0	0.0%	0	0.0%	2	3.7%	54	100.0%
University of Western Ontario	45	90.0%	0	0.0%	4	8.0%	1	2.0%	50	100.0%
Northern Ontario School of Medicine	6	46.2%	3	23.1%	2	15.4%	2	15.4%	13	100.0%
University of Manitoba	18	78.3%	0	0.0%	3	13.0%	2	8.7%	23	100.0%
University of Saskatchewan	11	68.8%	0	0.0%	4	25.0%	1	6.3%	16	100.0%
University of Alberta	27	90.0%	3	10.0%	0	0.0%	0	0.0%	30	100.0%
University of Calgary	34	94.4%	0	0.0%	1	2.8%	1	2.8%	36	100.0%
University of British Columbia	47	65.3%	8	11.1%	11	15.3%	6	8.3%	72	100.0%
Total	506	84.8%	20	3.4%	39	6.5%	32	5.4%	597	100.0%

*Based on linkage with CMA Masterfile and MD Select (Scott's Medical Directory) and Statistics Canada Postal Code Conversion file.
Excludes IMGs with unknown postal codes (n = 131).

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

HIGHLIGHTS:

For IMGs who exited postgrad training in 2019, two years later only 32 (5.4%) and 39 (6.5%) were found practicing in a rural or town area, respectively.