

IMGNATIONAL SELF SUFFICIENCY

- September 19th 2008
- Lyne St-Pierre-Ellis

PAPERS AND AUTHORS

Physician Self-Sufficiency (Canada)

M. Ian Bowmer, Sandra Banner, Lynda Buske

US Policies May Lead to Fewer Opportunities for IMGs But Self
Sufficiency Not on the Agenda (United States)

Edward Salsberg

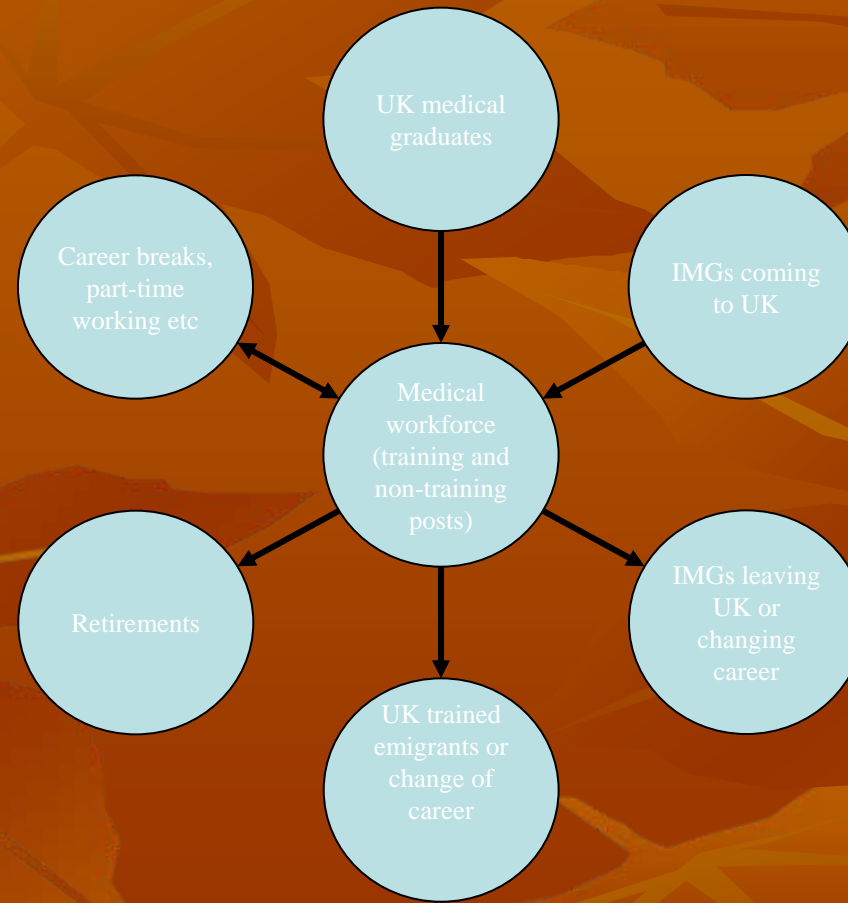
Towards Self-Sufficiency in the Supply of Medical Staff (United
Kingdom)

David Grantham

Self Sufficiency and International Medical Graduates (Australia)

Peter Carver

Medical workforce inputs and outputs



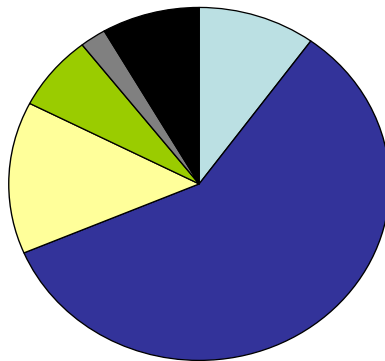
IMG Numbers

	WA	TAS	QLD	VIC	NSW	SA	ACT	NT	Total
General	6659	1991	8447	16596	23253	5623	1894	1329	65792
IMG's	1223	367	1872	2596	2843	998	150	149	10198
Total	7,882	2,358	10,319	19,192	26,096	6,621	2,044	1,478	75,990
	15.52%	15.56%	18.14%	13.53%	10.89%	15.07%	7.34%	10.08%	13.42%

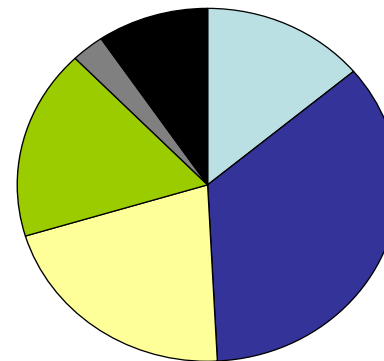
Source: AUS

Practice population served by those first licensed in Canada **within the last decade**

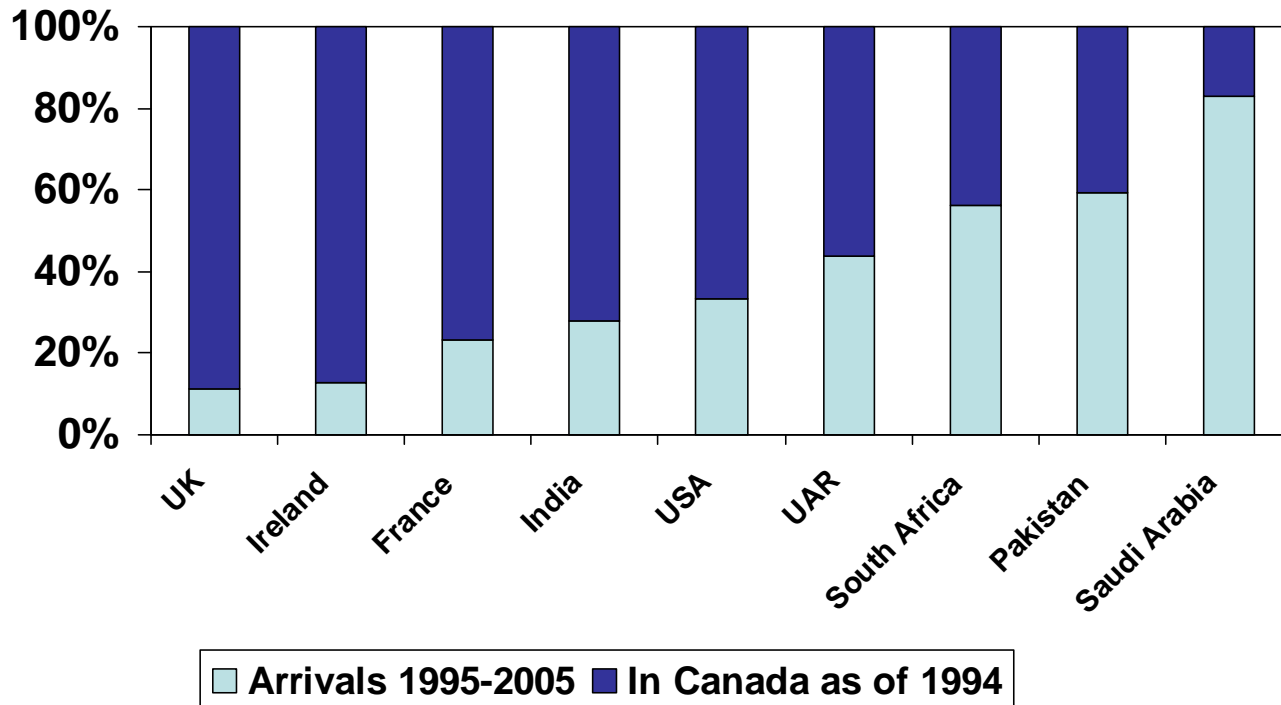
GCMSs



IMGs



IMGs in Canada by Country of MD Graduation



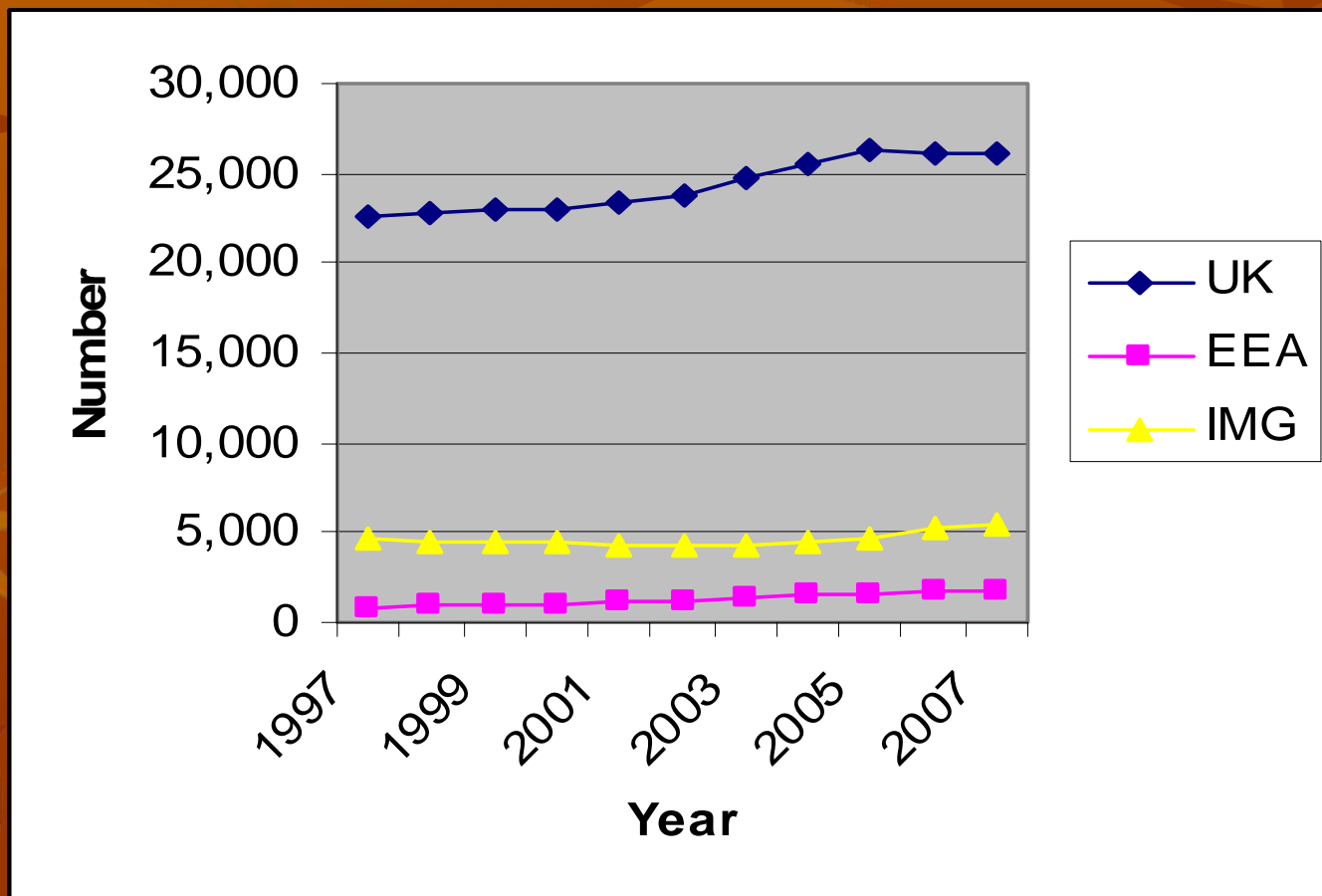
Source: CMA Multiyear Masterfile

India and Pakistan Continue to be the Largest Sources of IMGs, but the Caribbean Islands Continue to Increase

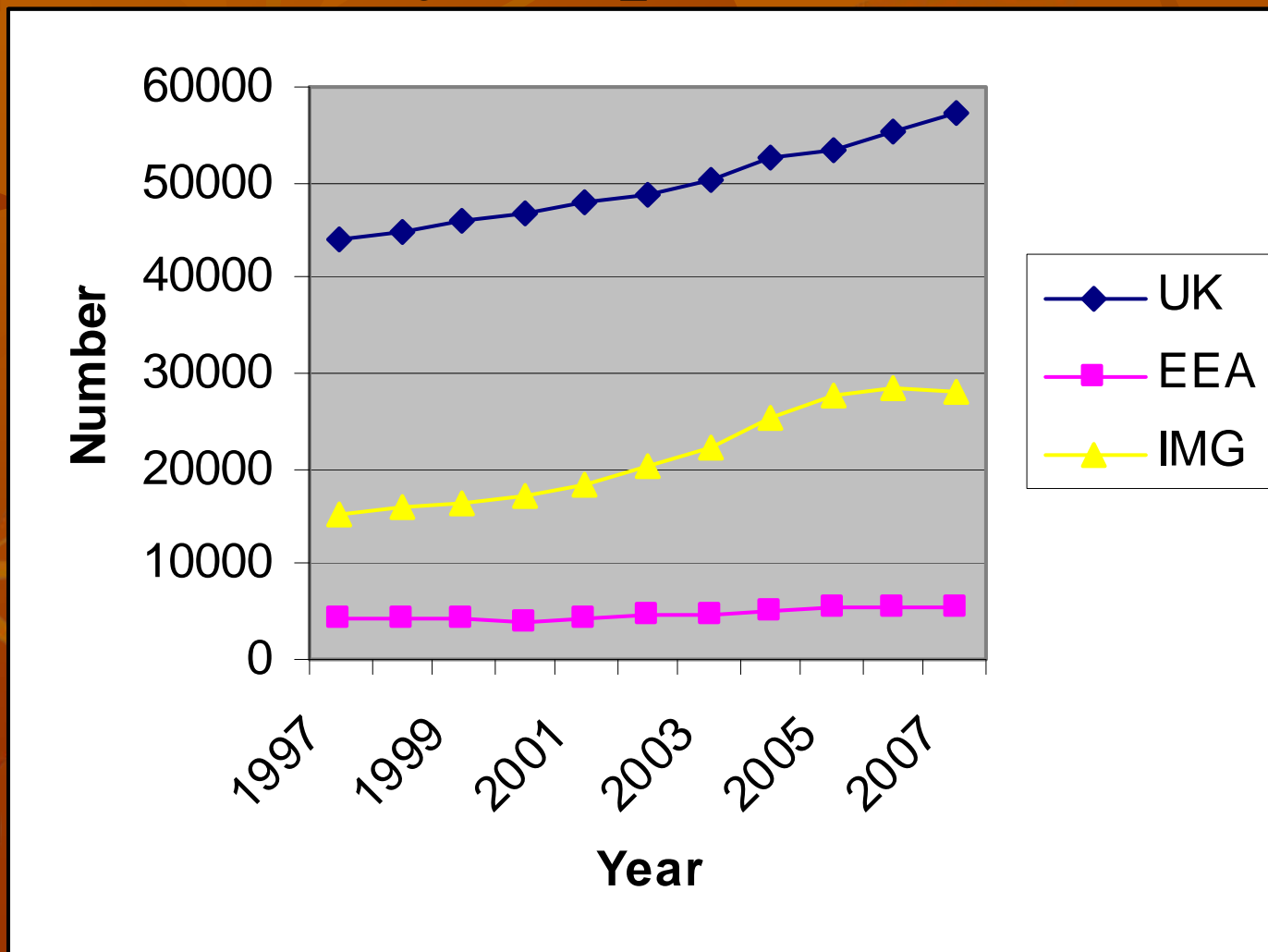
	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>
India	1,442	1,578	1,627	1,621
Pakistan	475	440	476	392
Grenada (St. Georges)	348	348	361	375
Dominica (Ross)	312	323	377	360
Netherland Antilles	177	227	255	333
Philippines	245	268	237	275
China	156	198	209	259
Nigeria	138	162	144	151
Iran	92	123	143	140
Colombia	95	133	129	115
Mexico	132	159	144	114

Source: US

GP medical staff (England - excluding registrars and retainers) by country of qualification



HCHS (England) medical staff by country of qualification



Employed medical practitioners: country of first qualification, states and territories, 2006

Country of first qualification	NSW	Vic	Qld ^(a)	WA	SA	Tas ^(a)	ACT	NT ^(b)	Total
Australia	16,204	13,438	7,749	4,080	3,829	1,029	971	625	47,925
New Zealand	600	350	314	191	79	34	53	18	1,640
UK/Ireland	895	637	766	870	249	116	75	95	3,702
Other countries	3,390	2,022	911	1,118	888	170	216	96	8,811
Not stated	91	38	34	57	65	2	25	32	342
Total	21,180	16,485	9,774	6,315	5,111	1,350	1,340	866	62,421
% Australian trained	76.8	81.7	79.6	65.2	75.9	76.3	73.8	74.9	77.2

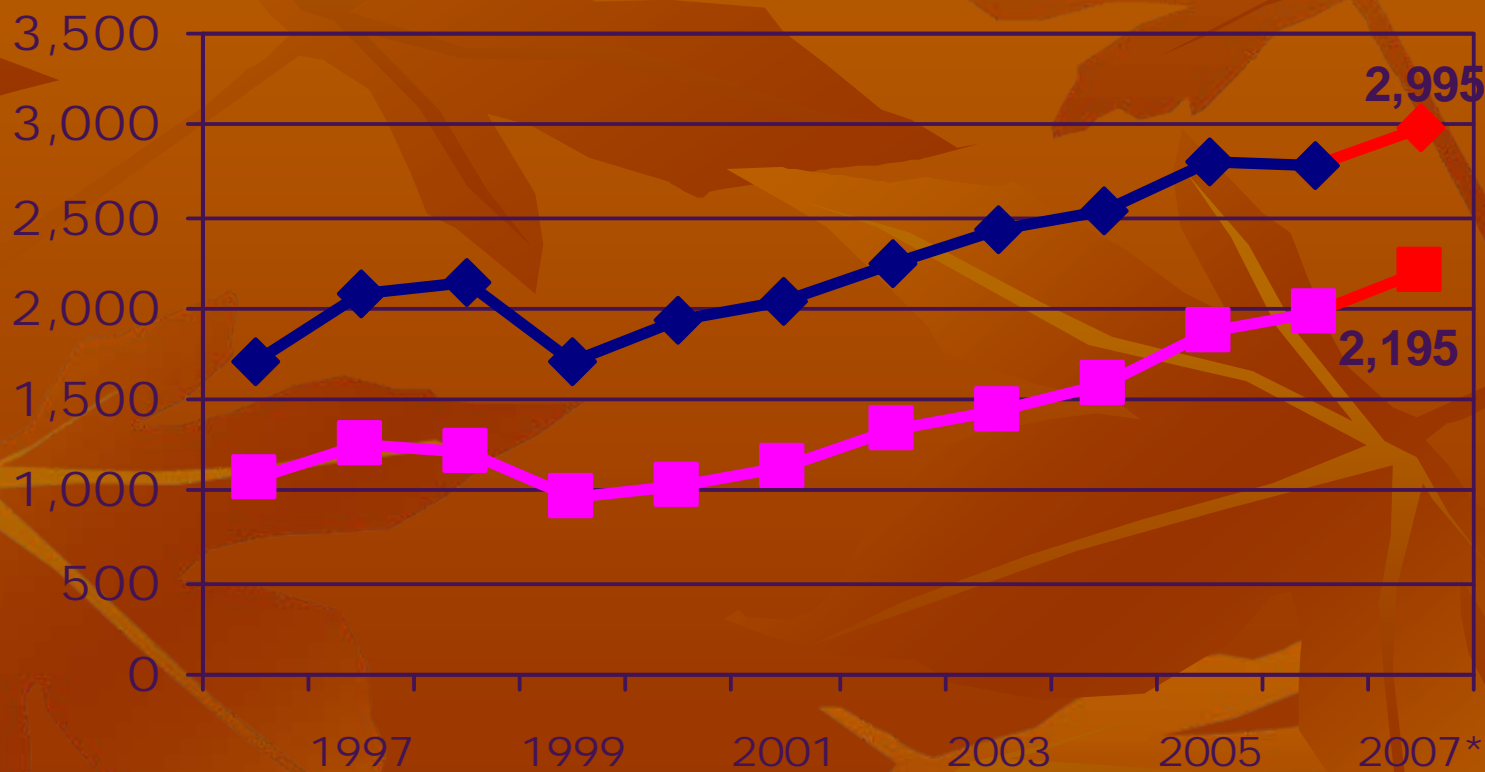
Source: AUS

Where are Canadians Studying When They Apply to the USMLE step 1

Region	2002		2006	
	Count	Percentage	Count	Percentage
Caribbean	130	50%	335	62%
Asia	39	15%	34	6%
Eastern Europe	30	12%	54	10%
Western Europe	27	11%	50	9%
Middle East	11	4%	20	4%
Central America	10	4%	16	3%
Australia	4	11%	17	3%
Africa	8	3%	16	3%

Source: CAN

New US IMG Applicants for ECFMG Certification are Approaching 3,000 Per Year



Source: US

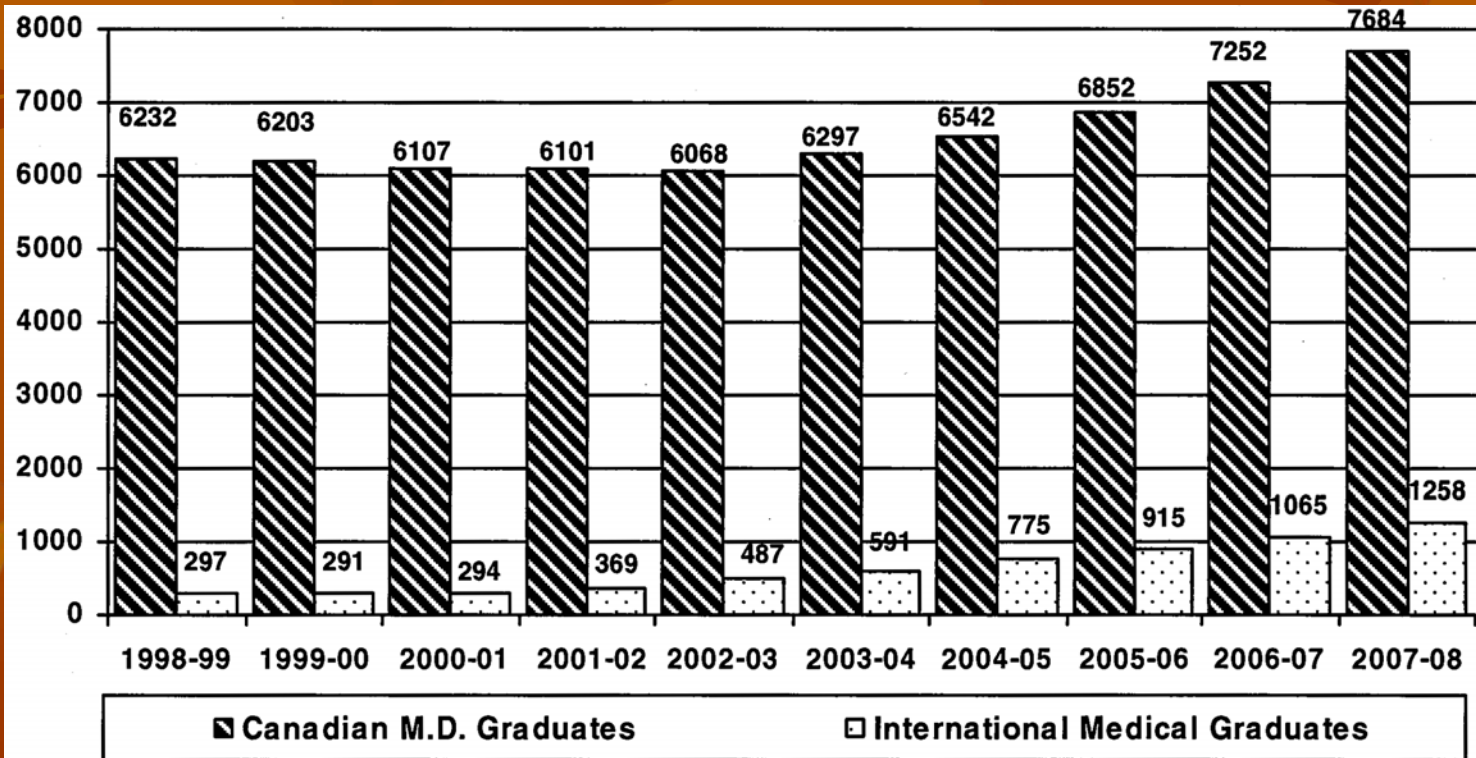
Labour Force Status

Labour force status	NSW	Vic	Qld ^(b)	WA	SA	Tas ^(b)	ACT	NT ^(c)	Australia
Employed in medicine in this state	21,180	16,485	9,774	6,315	5,111	1,350	1,340	866	62,421
On extended leave	357	305	142	55	57	31	16	18	980
Employed in medicine overseas	1,430	771	422	172	169	39	39	21	3,062
Employed elsewhere, not in medicine	373	185	65	50	59	20	24	21	798
Not employed	1,304	339	178	378	256	105	151	37	2,748
Retired	470	536	240	225	149	47	44	14	1,725
Total registered	25,113	18,621	10,821	7,196	5,800	1,592	1,615	977	71,734
Percentage of practitioners employed in medicine	84.3	88.5	90.3	87.8	88.1	84.8	83.0	88.6	87.0

Source: AUS

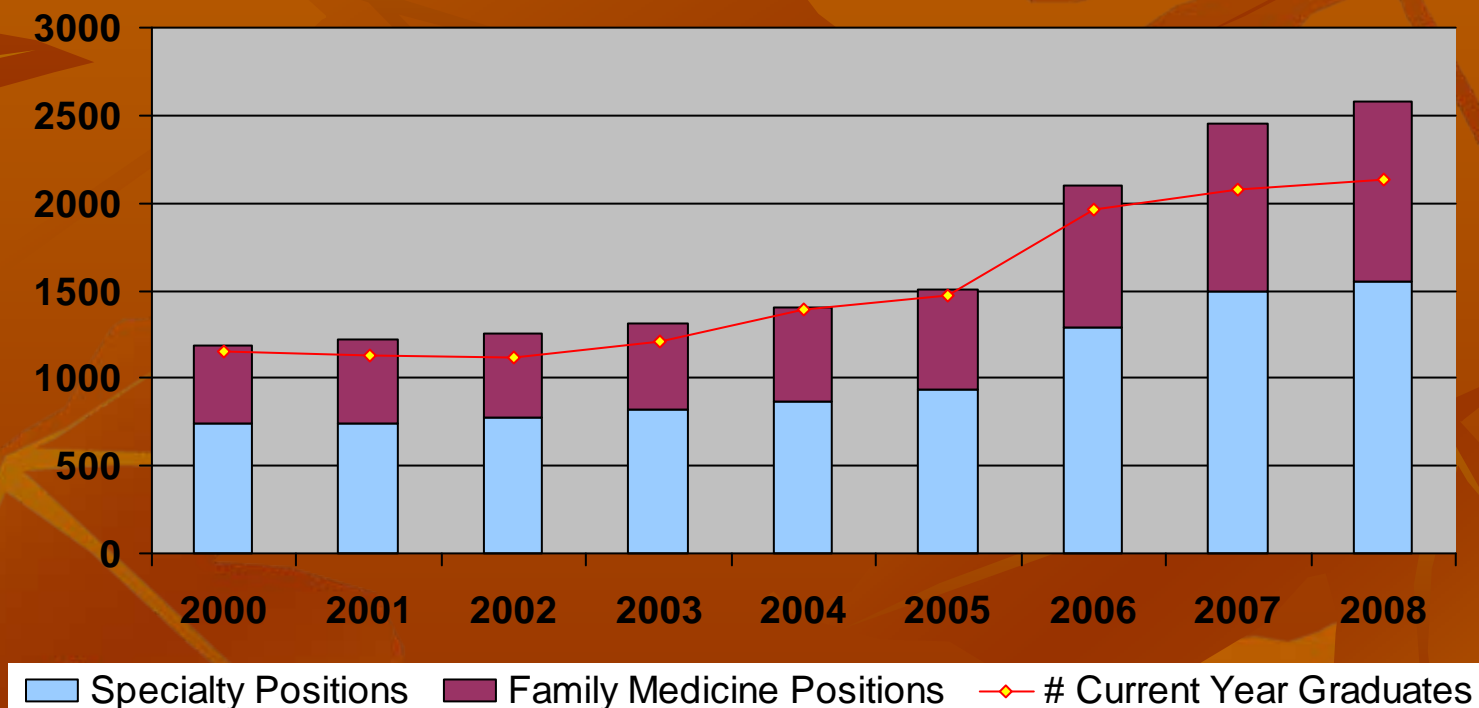
Change in Postgraduate Positions

Regular Ministry Funded Trainees: Canadian M.D. Graduates and International Medical Graduates



The number of ministry funded IMGs has increased to 1258 in 2007-08. Each year, for the past six years, the number of ministry funded IMGs has increased by no less than 100 over the previous year's figure. The largest one-year increase occurred in 2007-08, when the number of ministry funded IMGs increased by 193 over the previous year's figure.

Available Entry Level Postgraduate Positions in Canada and Canadian Graduates



The Number of IMGs Entering GME Has Increased More Than 25% Over The Past Decade

	IMGs <u>Entering</u> GME*
1996-1997	5,379
1997-1998	5,414
1998-1999	5,371
1999-2000	5,905
2000-2001	6,097
2001-2002	6,170
2002-2003	6,208
2003-2004	5,985
2004-2005	6,338
2005-2006	6,570
2006-2007	6,802
Change 1996 – 2006	+1423 (+26%)

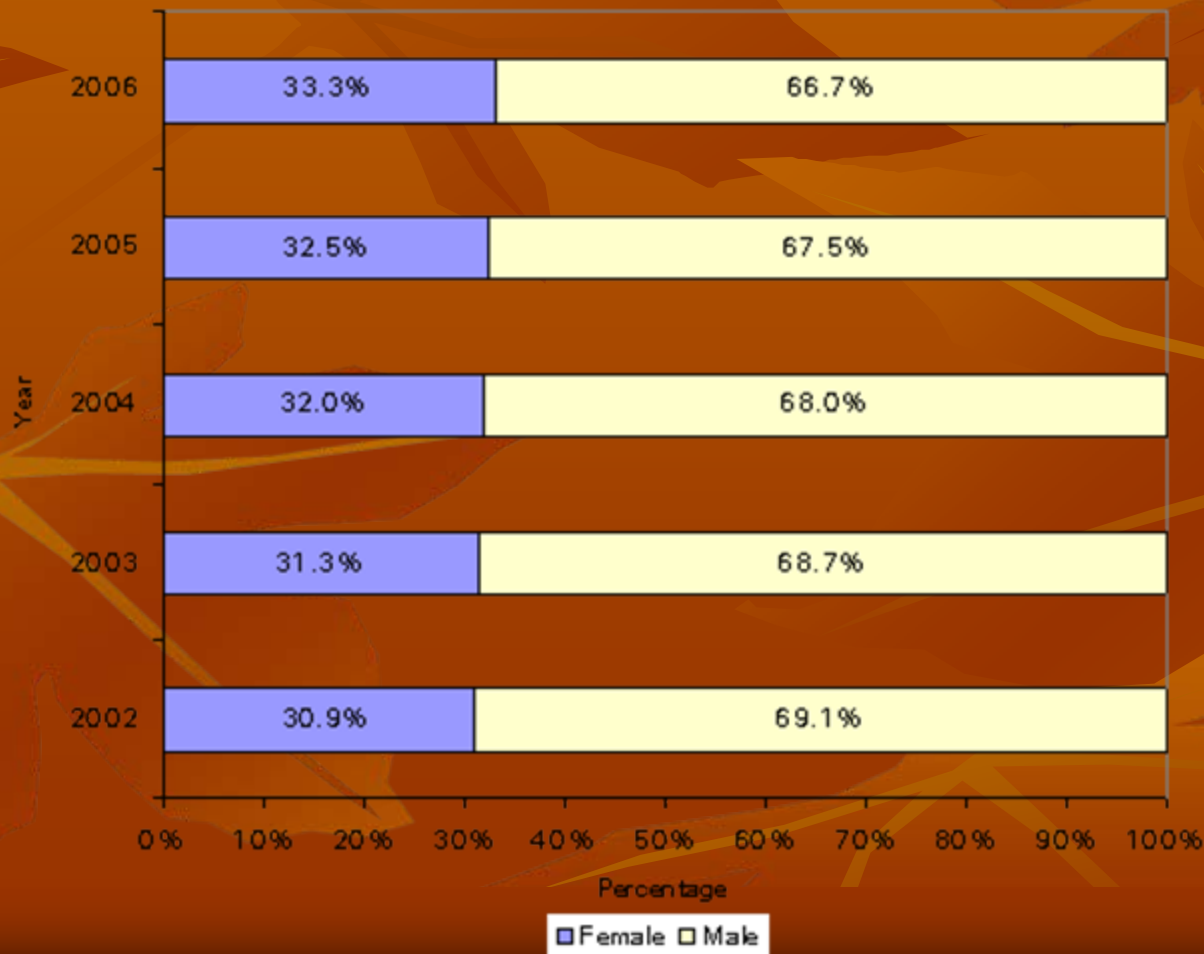
Source: US

FACTORS

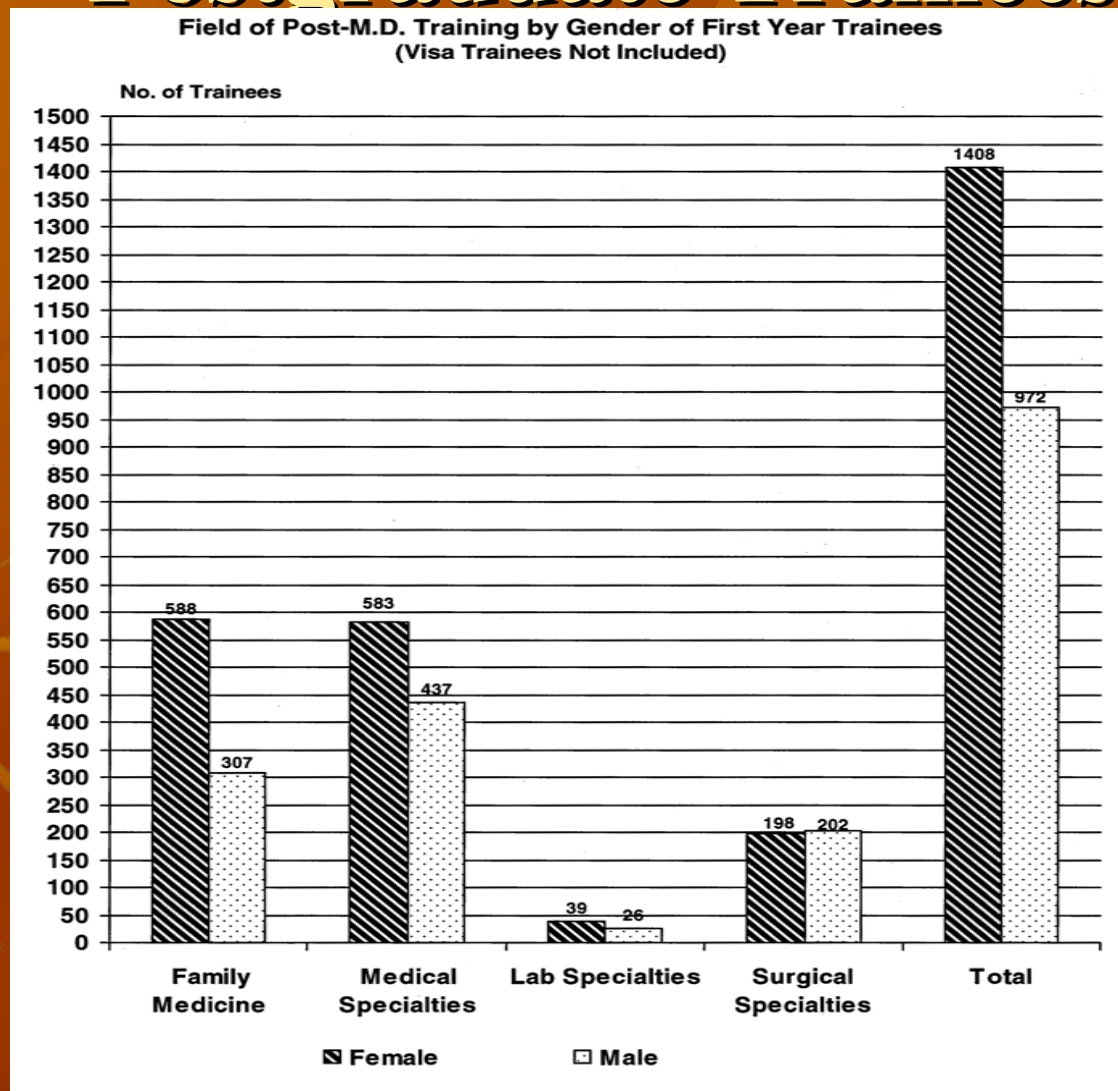
- INCREASE IN MEDICAL SCHOOL ENROLLMENT
- SOCIO ECONOMIC TRENDS
- DEMOGRAPHICS OF THE WORKFORCE
- PRACTICE PATTERNS

Change in the Percentage of Male and Female Physicians in Canada

Percentage of Male and Female Physicians, Canada, 2002 - 2006



Choices of Specialty by Gender – Postgraduate Trainees



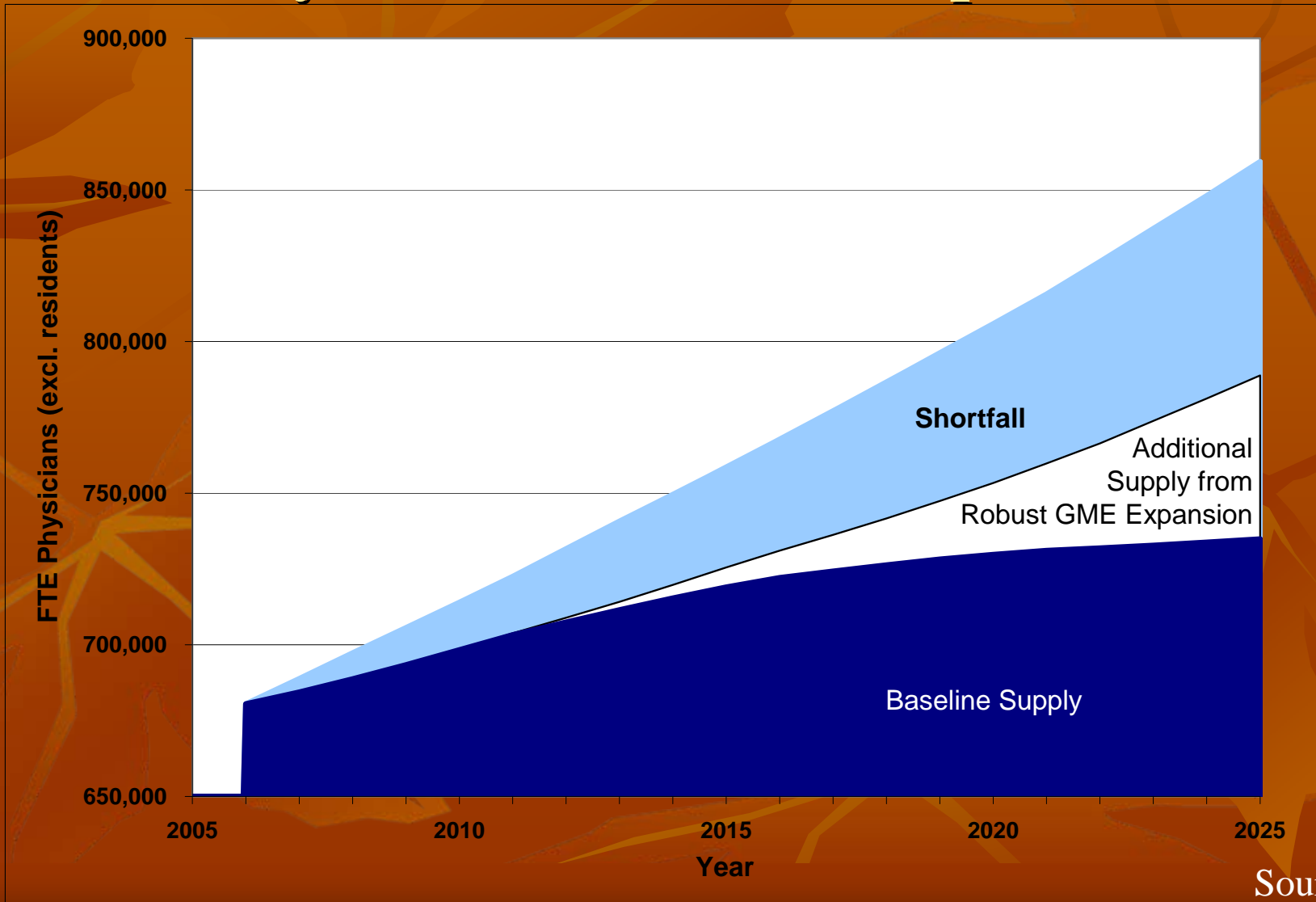
Other Factors

- Increase in the number of sub specialties that have been introduced
- Decrease in the number of generalist
- New Specialties being introduced
- Longer periods of post graduate training (both because of breaks and longer programs)
- Family Medicine is changing: less hospital care, less procedures, more specialized care

ACTIVITIES UNDERTAKEN

- **Recognition by various levels of government both at national and regional basis that HHR was a key priority**
- **Increase enrollment in medical seats as well as other health care providers**
- **Introduced new models of care, including multi disciplinary teams**
- **Maximizing scopes of practice (nursing , pharmacy, Rehabilitation)**
- **Introduced new practitioners (NPs, Physicians Assistants , midwives)**
- **Increased the numbers of health care providers**
- **Expanded use of various health care providers**
- **Modified curriculum to recognize collaborative practice models**
- **Introduced efficiencies in the health systems**

Projected National Supply & Shortfall of Physicians with GME Expansion



Source: US

Practicing Physicians per 1000 population (includes residents)

Country \ Yr.	2002	2003	2004	2005
Canada	2.1	2.1	2.1	2.2
Australia	2.5	2.6	2.7	n/a
New Zealand	2.1	2.2	2.2	n/a
United Kingdom	2.1	2.2	2.3	2.4
USA	2.3	2.4	2.4	2.4
Germany	3.3	3.4	3.4	3.4
Japan	2.0	n/a	2.0	n/a

Source: CAN



PRESENTATIONS

FROM THE

AUTHORS