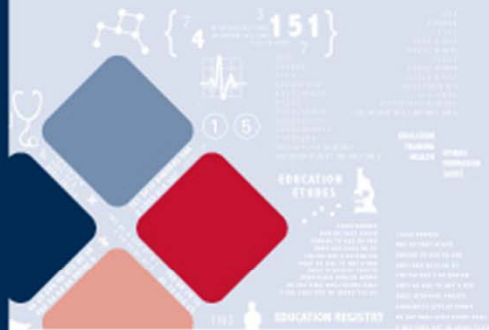


# Residents and Practising Physicians

## Data Sources and Uses



Lynda Buske  
Interim Director, CAPER





# What are the national data sources?



## **Residents**

- Canadian Resident Matching Service (CarMS)
- Canadian Post-MD Education Registry (CAPER)
- CMA Masterfile (members only)

## **Practising physicians**

- CIHI Scott's Database/MD Select
- CMA Masterfile

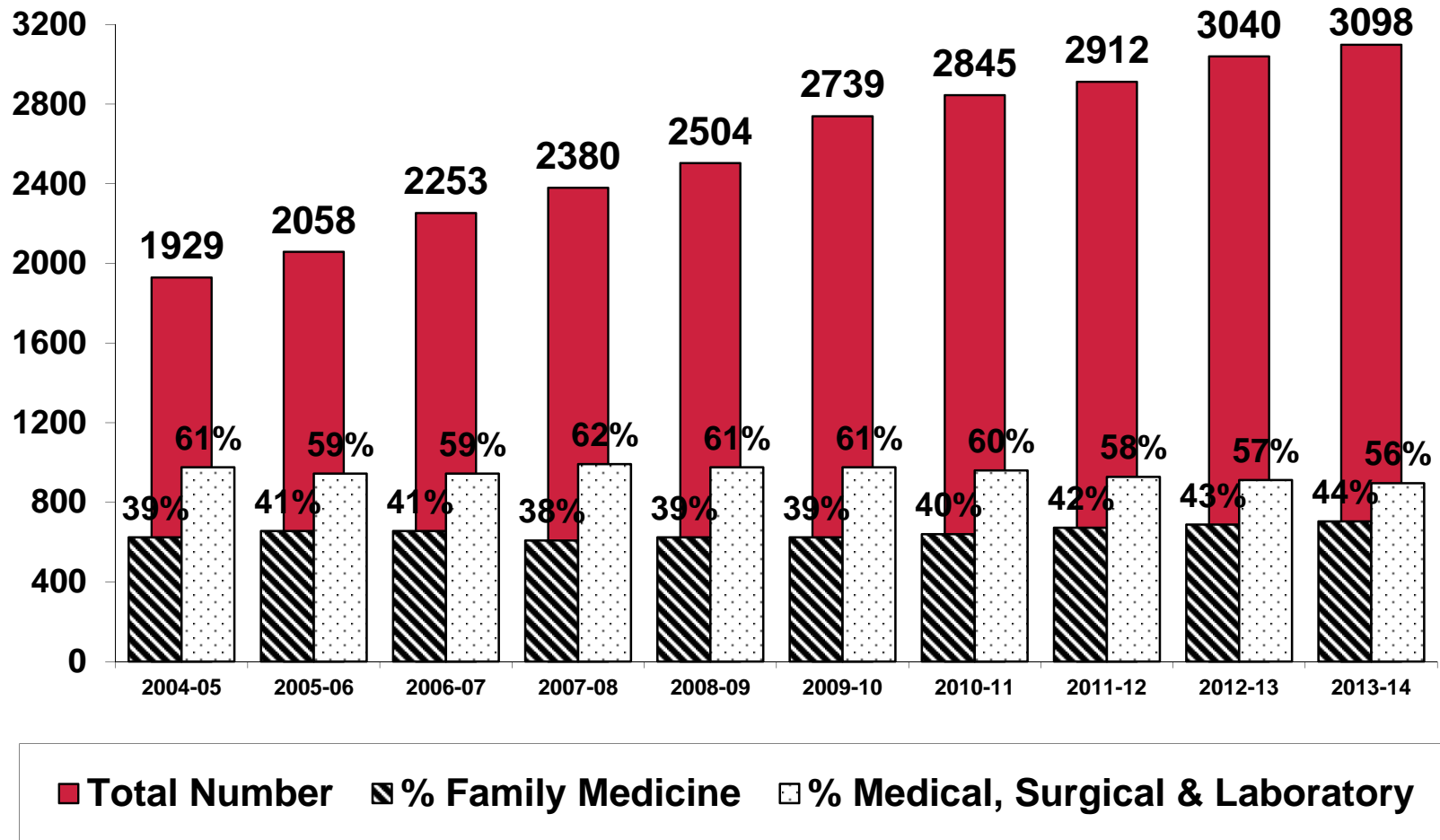


## CAPER Products and Services



- Annual Census of postgraduate trainees
  - 1988/89 to 2014/15
  - Info by legal status, age, gender, school
  - Quick facts longitudinal analyses
  - Tracking into practice
- Provincial specific reports
- Specialty specific reports
- 2012 report of National IMG Database
- Special request made to CAPER and IMG databases (approx 50 per year)

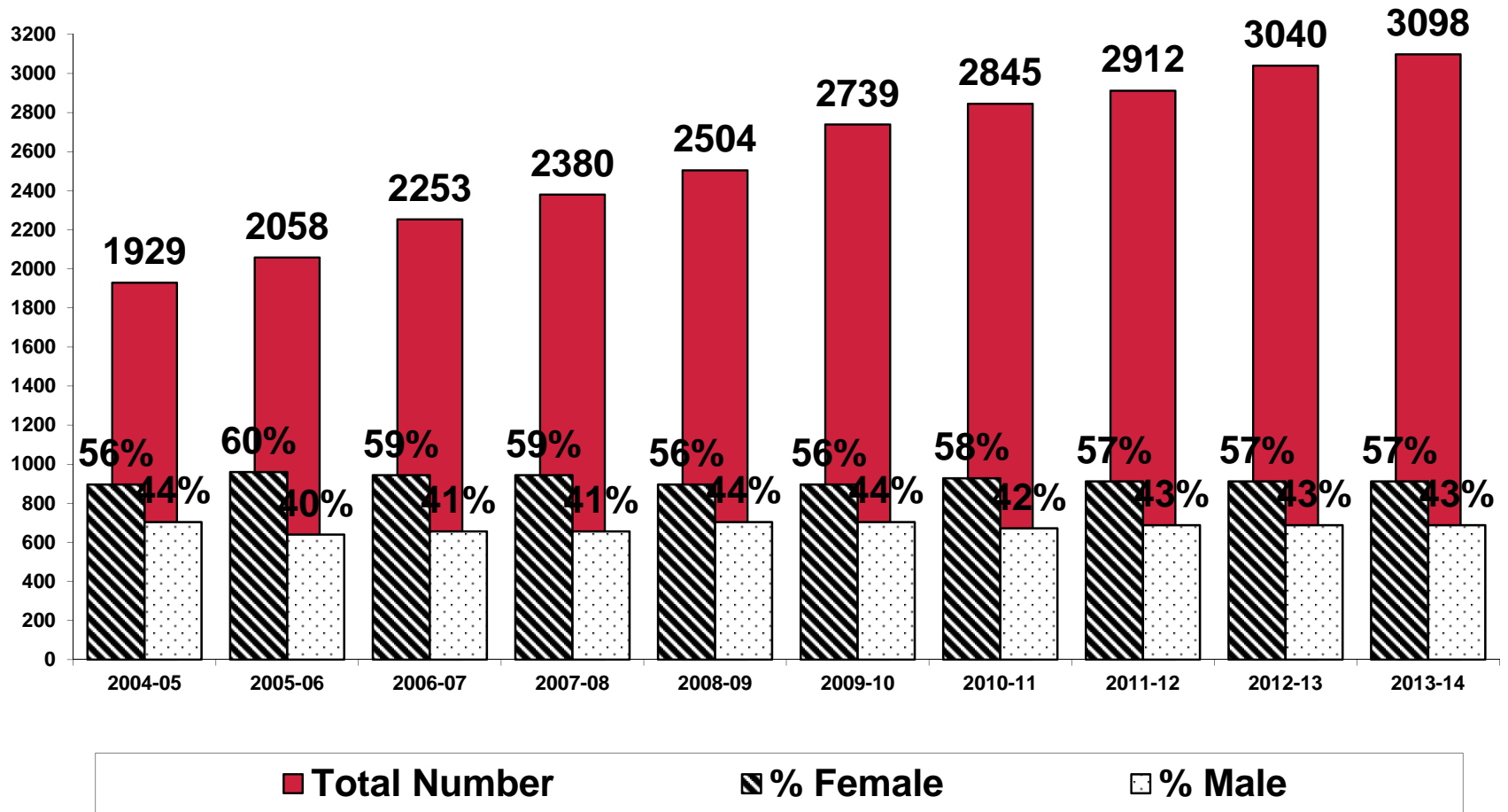
# Canadian Citizens and Permanent Residents: First Year Trainees in FM, Med/Surg/Lab Training



Source: CAPER Census



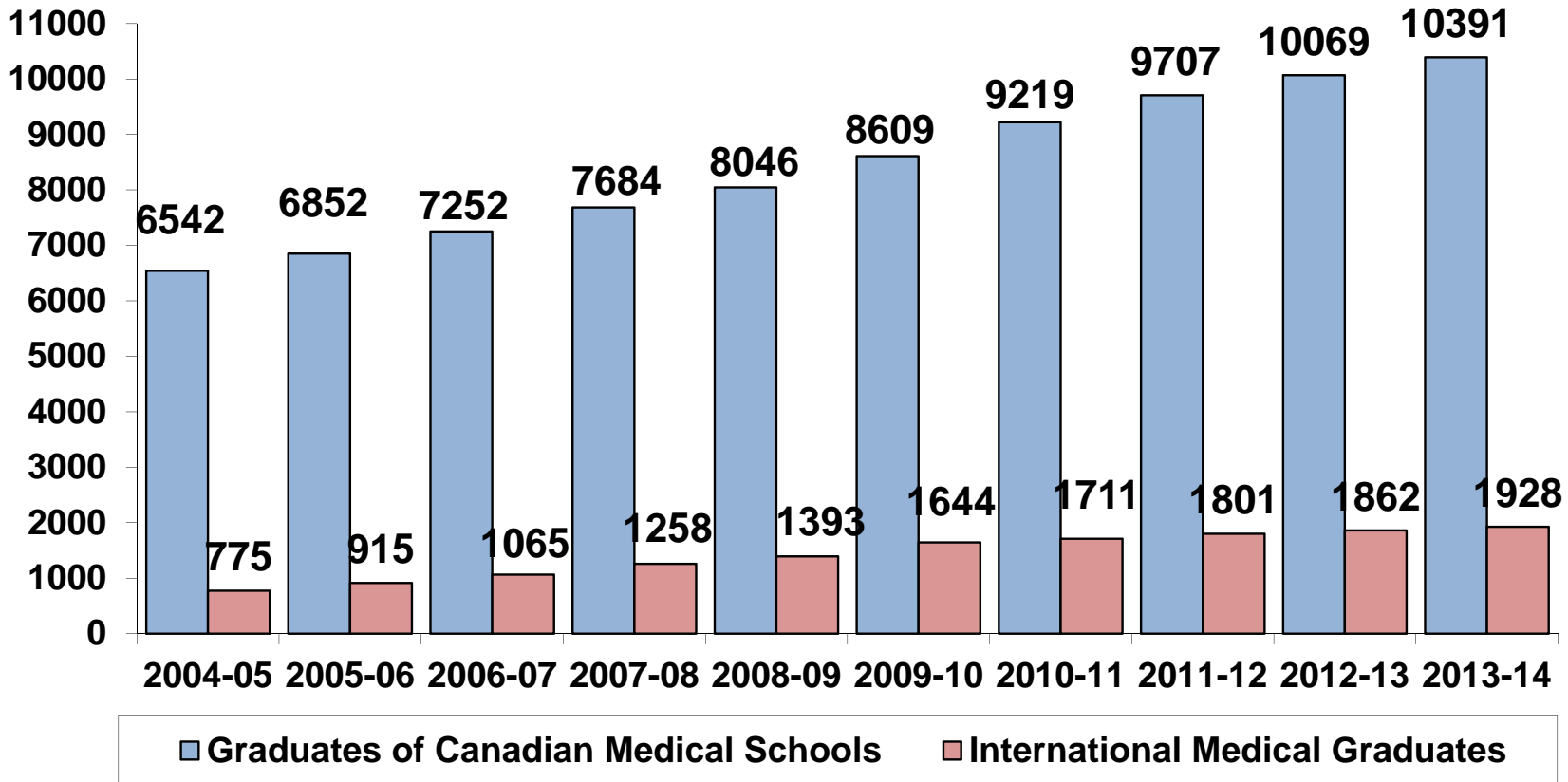
# Canadian Citizens and Permanent Residents: First Year Trainees by Gender



Source: CAPER Census



## Regular Ministry Funded Trainees by place of MD graduation (excludes visa trainees)

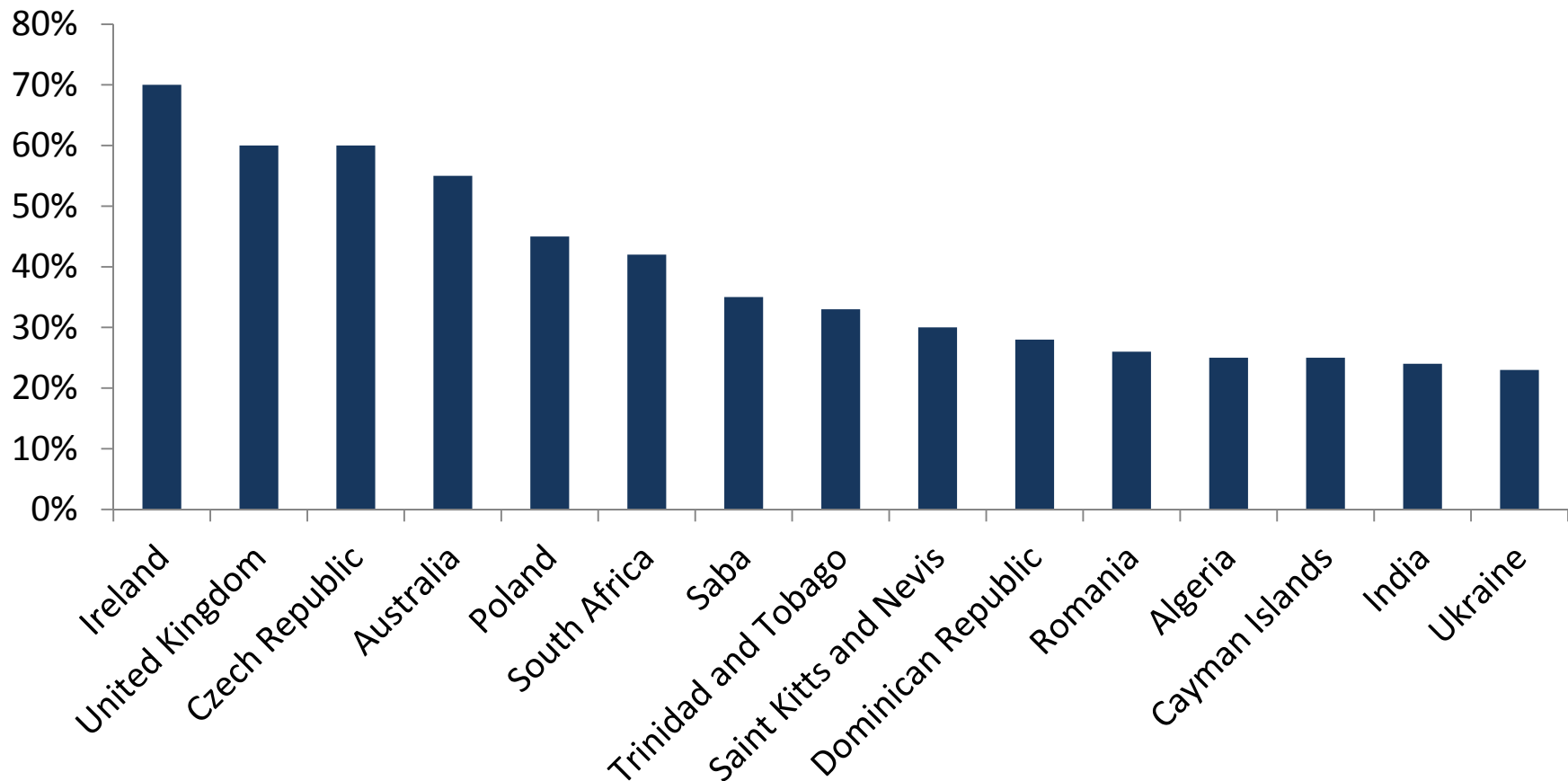


Almost 60% increase in graduates of Canadian medical schools;  
150% increase in ministry funded IMG trainees

Source: CAPER Census



## Percent of Cohort Entering Post-MD Training, By Country of MD Graduation

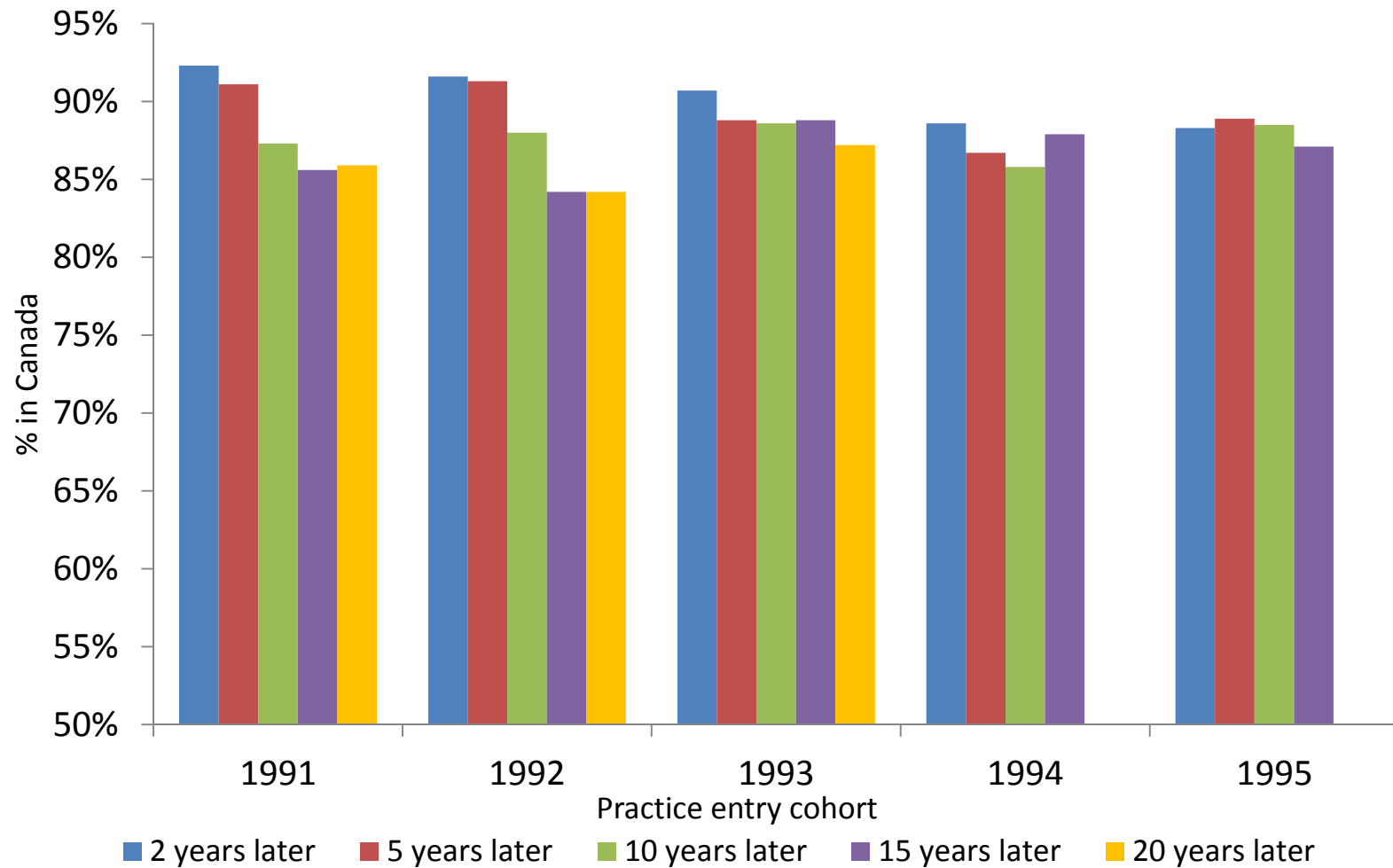


Source: IMG Database, 2012.

Note: Countries with  $\geq 10$  IMGs in MCC EE 2005-2007 cohort.



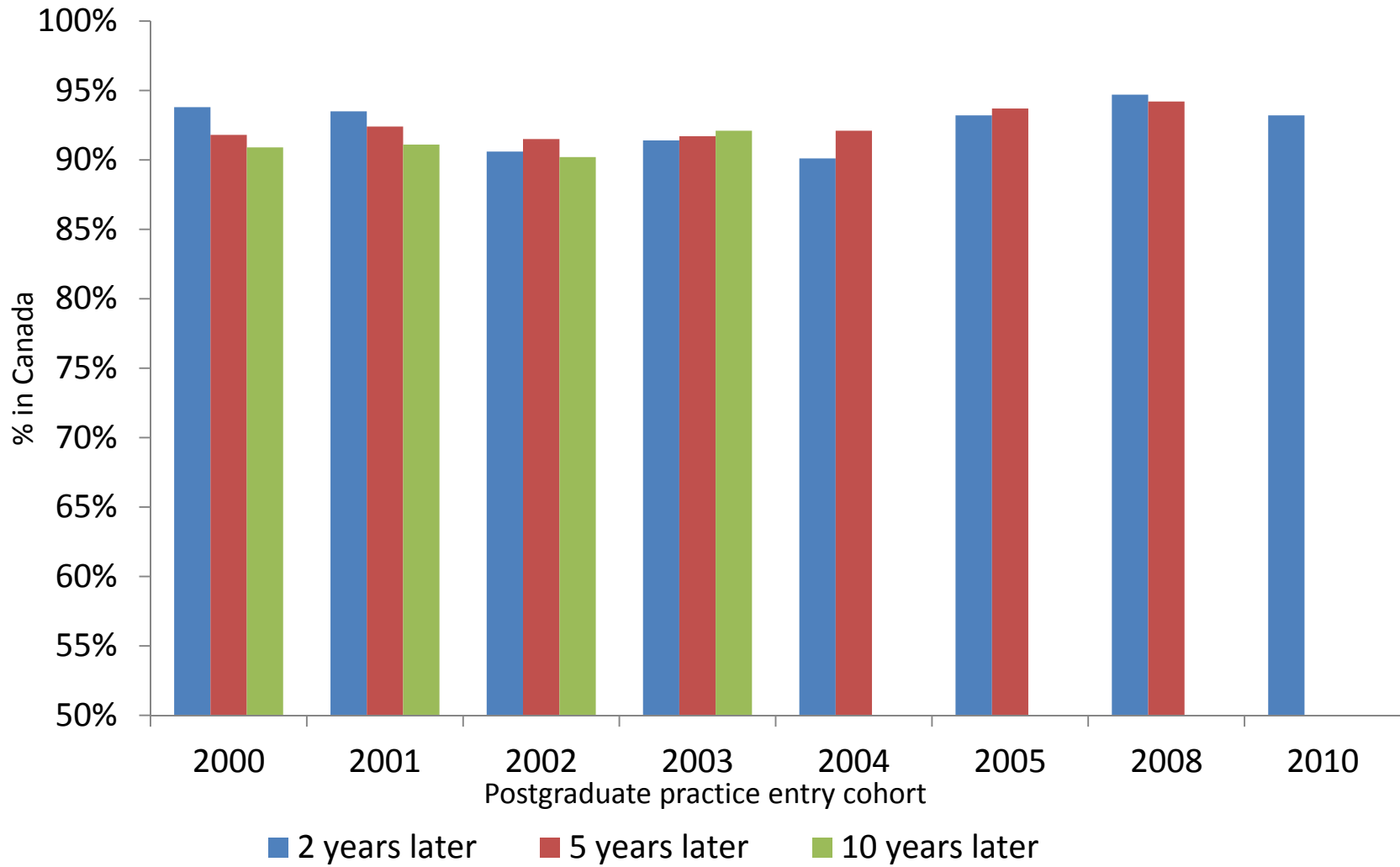
## Percentage of postgraduate practice entry cohorts in Canada 2, 5, 10, 15 and 20 years after training







## Percentage of postgraduate practice entry cohorts in Canada 2, 5, 10 years after training

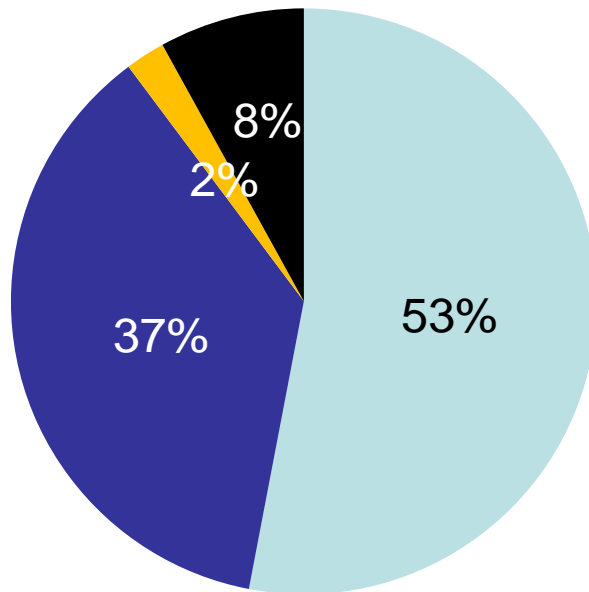


Source: CAPER and CMA Masterfile



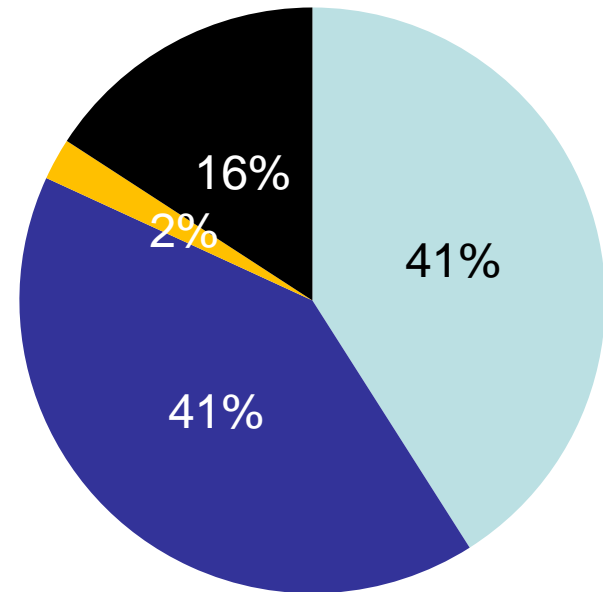
## Practice Opportunities in Canada as of Nov 2014

## Postgrad exits in 2013



■ Family med ■ Med spec  
■ Lab spec ■ Surg spec

N=3,174



■ Family med ■ Med spec  
■ Lab spec ■ Surg spec

N=2,956



## Opportunities for Physicians – selected specialties by descending number of positions

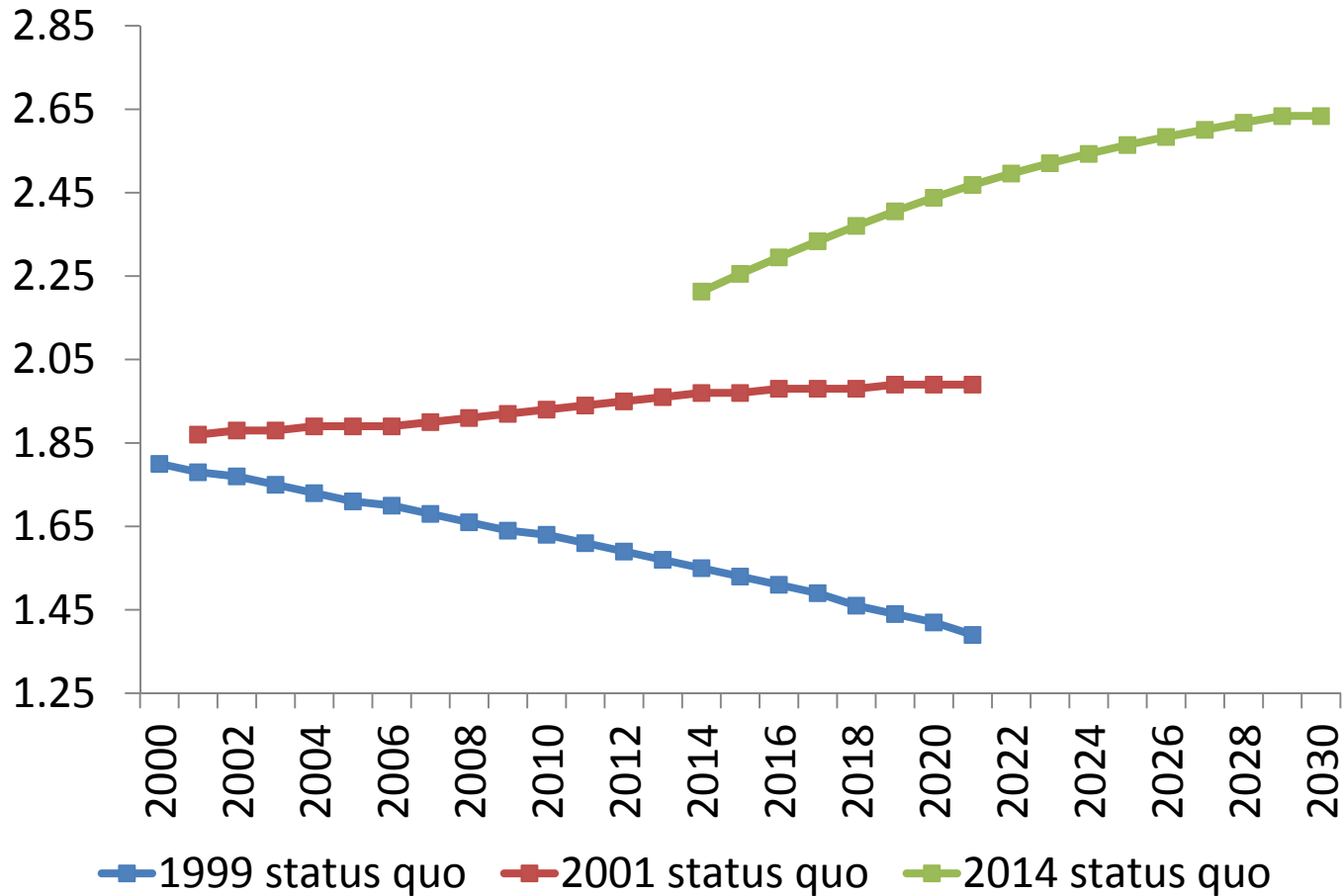
Discipline	No. of positions	% of all positions	# of postgrad exits	% of all postgrad exits
Family med	<b>1680</b>	<b>52.9%</b>	<b>1209</b>	<b>40.9%</b>
Psychiatry	203	6.4%	147	5.1%
Int Med	116	3.7%	94	3.1%
Dermatology	<b>101</b>	<b>3.2%</b>	<b>23</b>	<b>0.8%</b>
Pediatrics	99	3.1%	91	3.3%
Anesthes	67	2.1%	132	4.5%
Obs/Gyn	66	2.1%	92	2.7%
Diag Radiol	<b>61</b>	<b>1.9%</b>	<b>107</b>	<b>3.5%</b>
Neurology	55	1.7%	52	1.8%
Geriatrics	<b>51</b>	<b>1.6%</b>	<b>11</b>	<b>0.4</b>



## Opportunities for Physicians – selected specialty by descending number of positions

Discipline	No. of positions	% of all positions	# of postgrad exits	% of all postgrad exits
Phys Med	40	1.2%	23	0.8%
Gen Surg	<b>39</b>	<b>1.2%</b>	<b>73</b>	<b>2.5%</b>
Cardiology	35	1.1%	46	1.9%
Nephrology	30	0.9%	26	0.9%
Ophthalmol	30	0.9%	43	1.5%
Urology	29	0.9%	34	1.2%
Otolaryngol	27	0.8%	35	1.2%
Respirology	25	0.9%	27	0.9%
Plastic Surg	25	0.8%	29	1.0%
Rheumatol	24	0.7%	34	1.1%
Ortho Surg	<b>21</b>	<b>0.6%</b>	<b>104</b>	<b>3.5%</b>

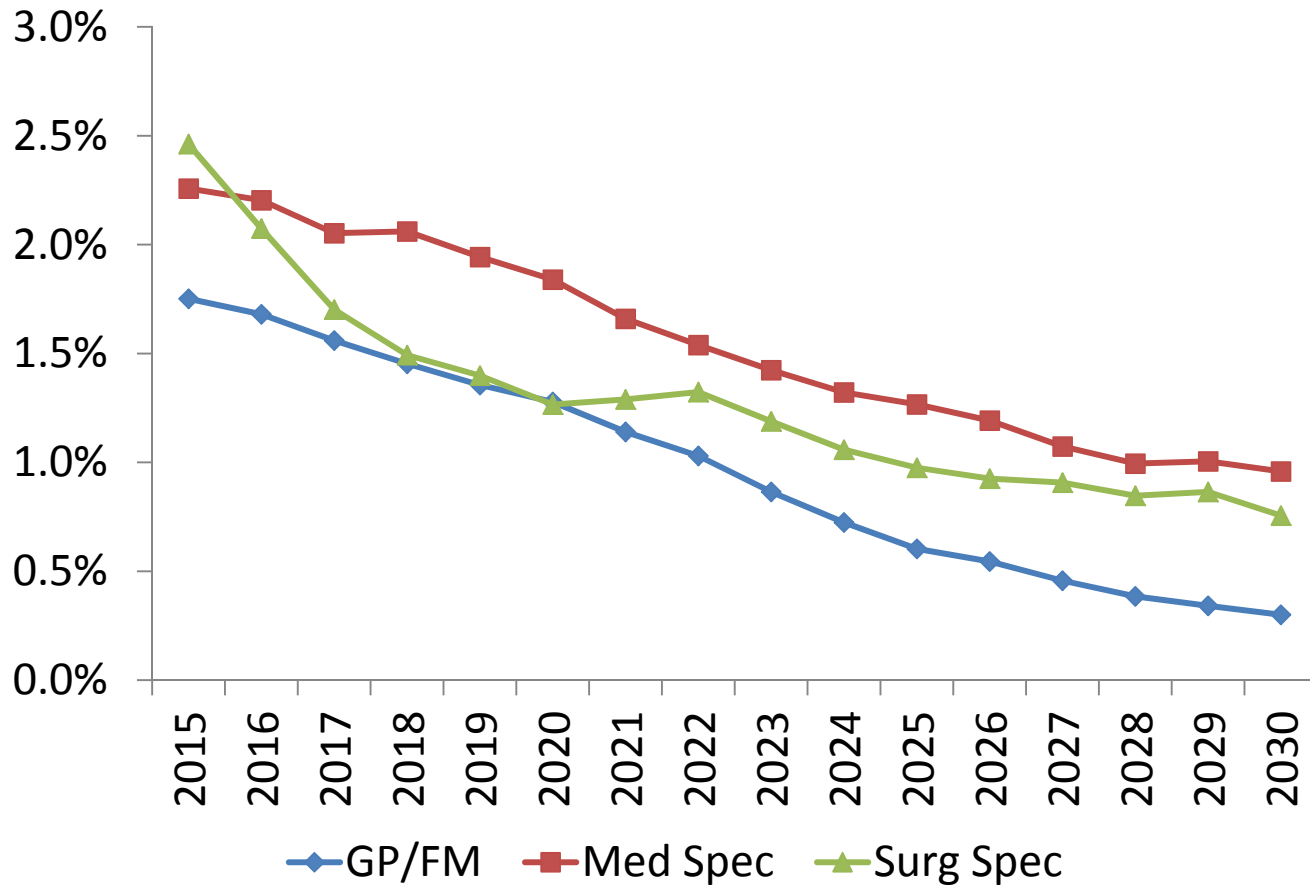
# “Status Quo” projections of physician supply physicians per 1000 population



Source: CMA Physician Resource Evaluation Template



# Percent increases in physicians per 1000 population in 2014 status quo projections



Source: CMA Physician Resource Evaluation Template



# Beyond Clinical Practice



- Full time? Clinical, researcher, admin?
- Semi-retirement – Self-defined? Different per specialty? How does it differ from part-time? Age factor?
- Retirement – Self defined? Clinician vs non-clinician? No licence? Volume of services provided or hours worked?



Thank you!

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