

# Innovative Ways to Look at Data & Support Academic Medicine in Canada

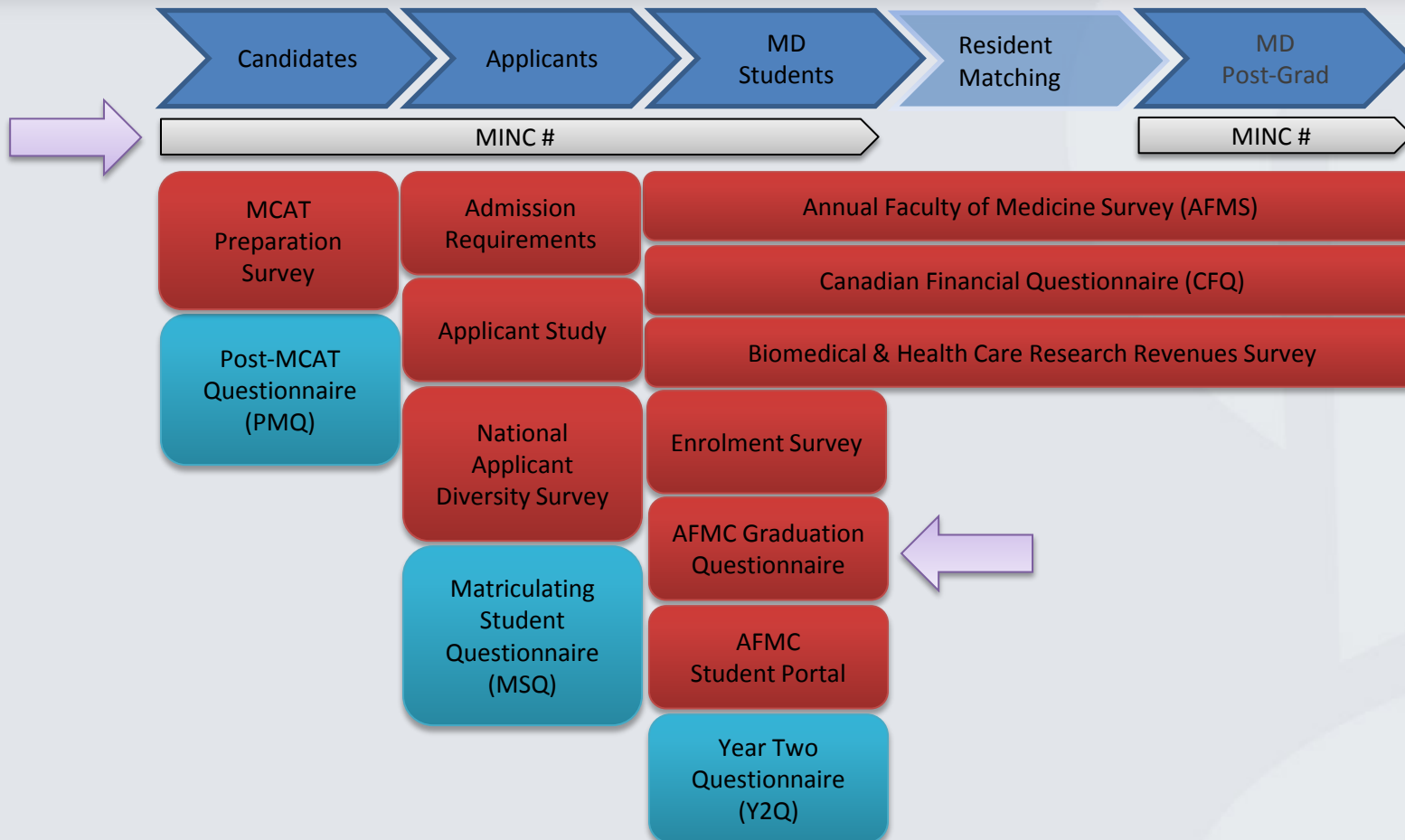
CCME 2016 | Montréal | April 18, 2016

*Erik Bourdon  
Director, Data & Information Services  
Privacy Officer  
AFMC*

# What is the AFMC?

- Founded in 1943
- Represents Canada's 17 faculties of medicine and is the voice of academic medicine in Canada
- AFMC is governed by a Board of Directors comprised of the Deans of the 17 faculties of medicine and up to 4 public members

# Data Continuum



Progress Since  
2015 AFMC Data Workshop

# Reports

- Canadian Medical Education Statistics (CMES)
- Admission Requirements of Canadian Faculties of Medicine
- AFMC Graduation Questionnaire
  - National
  - Faculty Level
  - Campus Level
- AFMC Student Portal (*In-Progress*)
  - National
  - Faculty Level

# Traditional Format



# Innovate!



*"It's always 'Sit,' 'Stay,' 'Heel'—never  
'Think,' 'Innovate,' 'Be yourself.'"*



# Demo

<http://www.instantatlas.com/samples/afmc/sm-canada/atlas.html>

<http://www.instantatlas.com/samples/afmc/sm-cma2/atlas.html>

<http://www.instantatlas.com/samples/afmc/sm-world/atlas.html>

<https://docs.google.com/spreadsheets/d/1BQwP4QapwEqLiOMF5Qci8OAOj1KTbHons2T3DFyl1h8/pubhtml?gid=0&single=true>

<https://www.youtube.com/watch?v=hVimVzgtD6w>

# To Reach Me

[ebourdon@afmc.ca](mailto:ebourdon@afmc.ca)

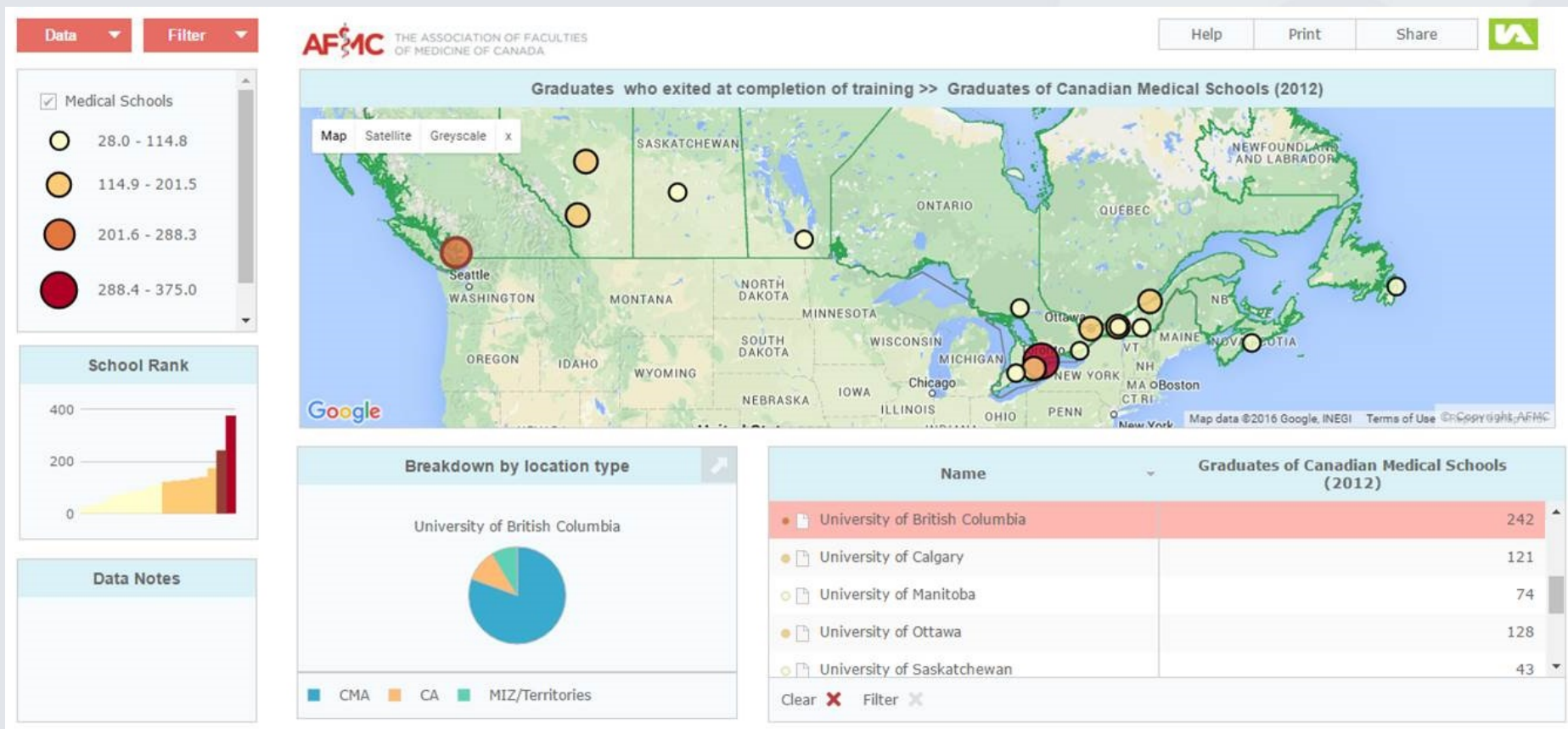


@AFMC\_e

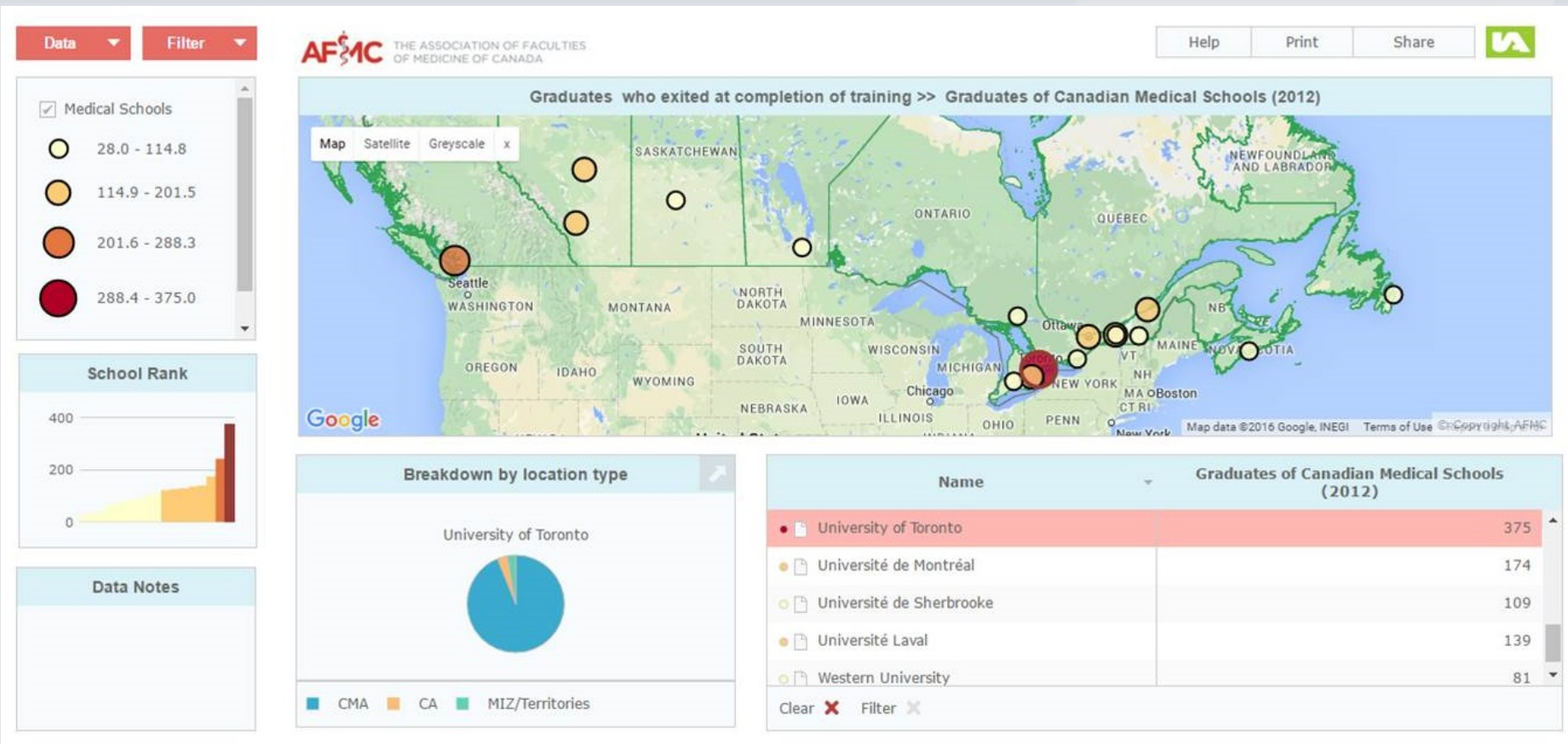
@Erik\_AFMC



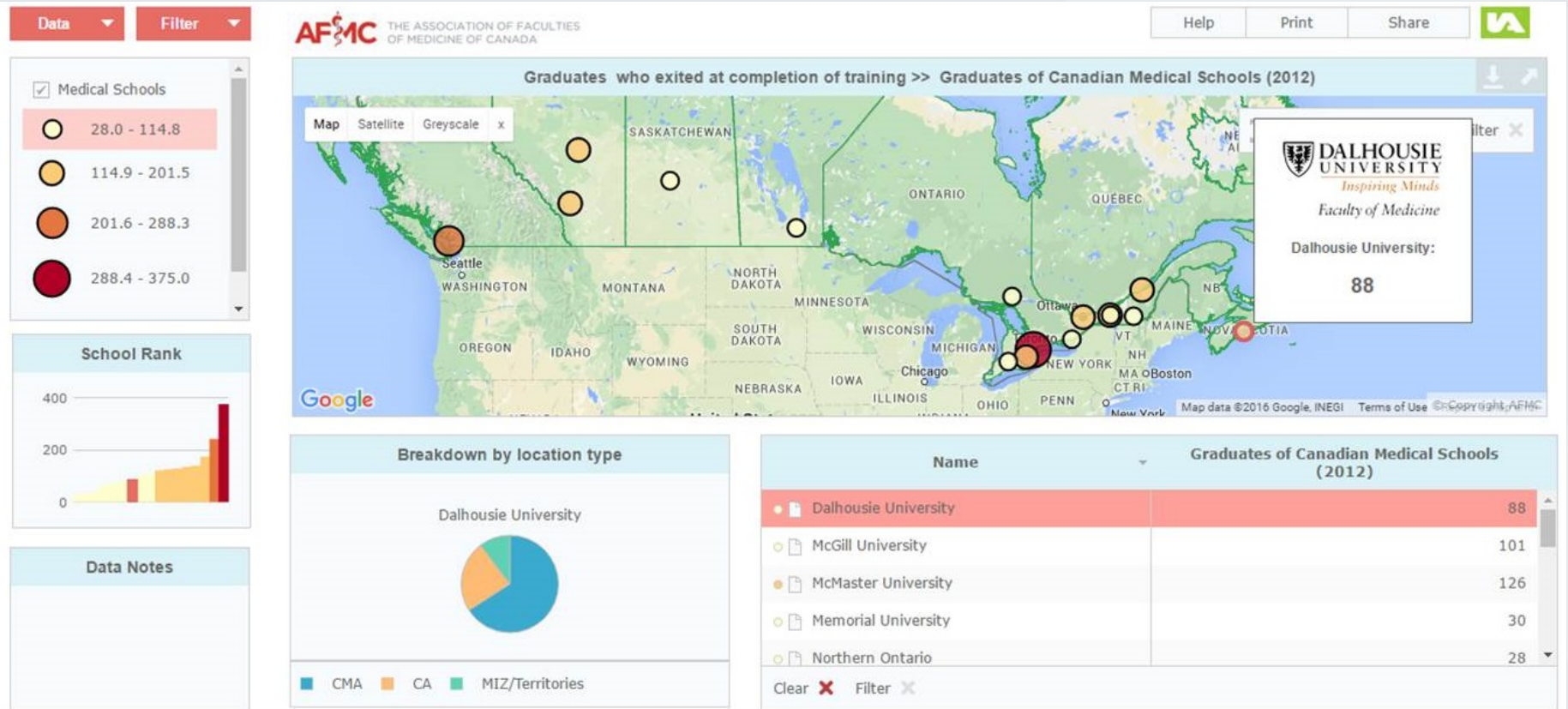
# Demo of proposed on-line tool



# Demo of proposed on-line tool

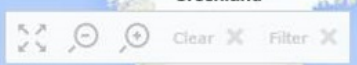


# Demo of proposed on-line tool





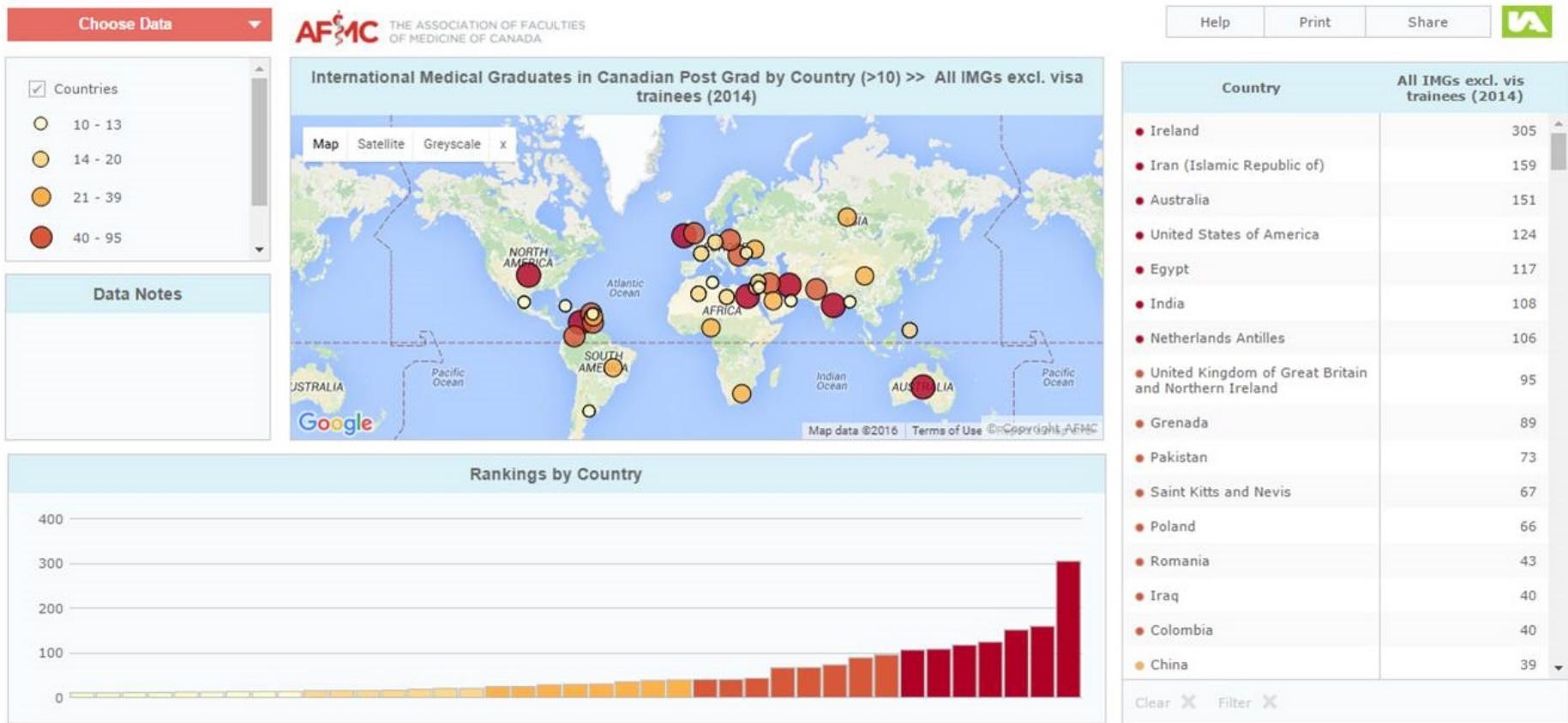
© 2011 Pearson Education, Inc. or its affiliate(s). All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage or retrieval system, without prior written permission from Pearson Education, Inc.



# Demo of proposed on-line tool



# Demo of proposed on-line tool





## International Medical Graduates in Canadian Post Grad by Country (&gt;10) &gt;&gt; All IMGs excl. visa trainees (2014)





<http://www.instantatlas.com/samples/afmc/sm-canada/atlas.html>

<http://www.instantatlas.com/samples/afmc/sm-cma2/atlas.html>

<http://www.instantatlas.com/samples/afmc/sm-world/atlas.html>

<https://docs.google.com/spreadsheets/d/1BQwP4QapwEqLiOMF5Qci8OAOj1KTbHons2T3DFyl1h8/pubhtml?gid=0&single=true>

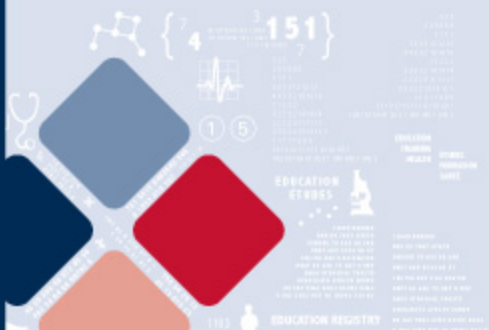


# CAPER Data and Analysis

CCME Data Workshop

Montreal, April 18, 2016

Lynda Buske  
Manager, CAPER





# What is CAPER?

## **CAPER: Canadian Post-MD Education Registry**

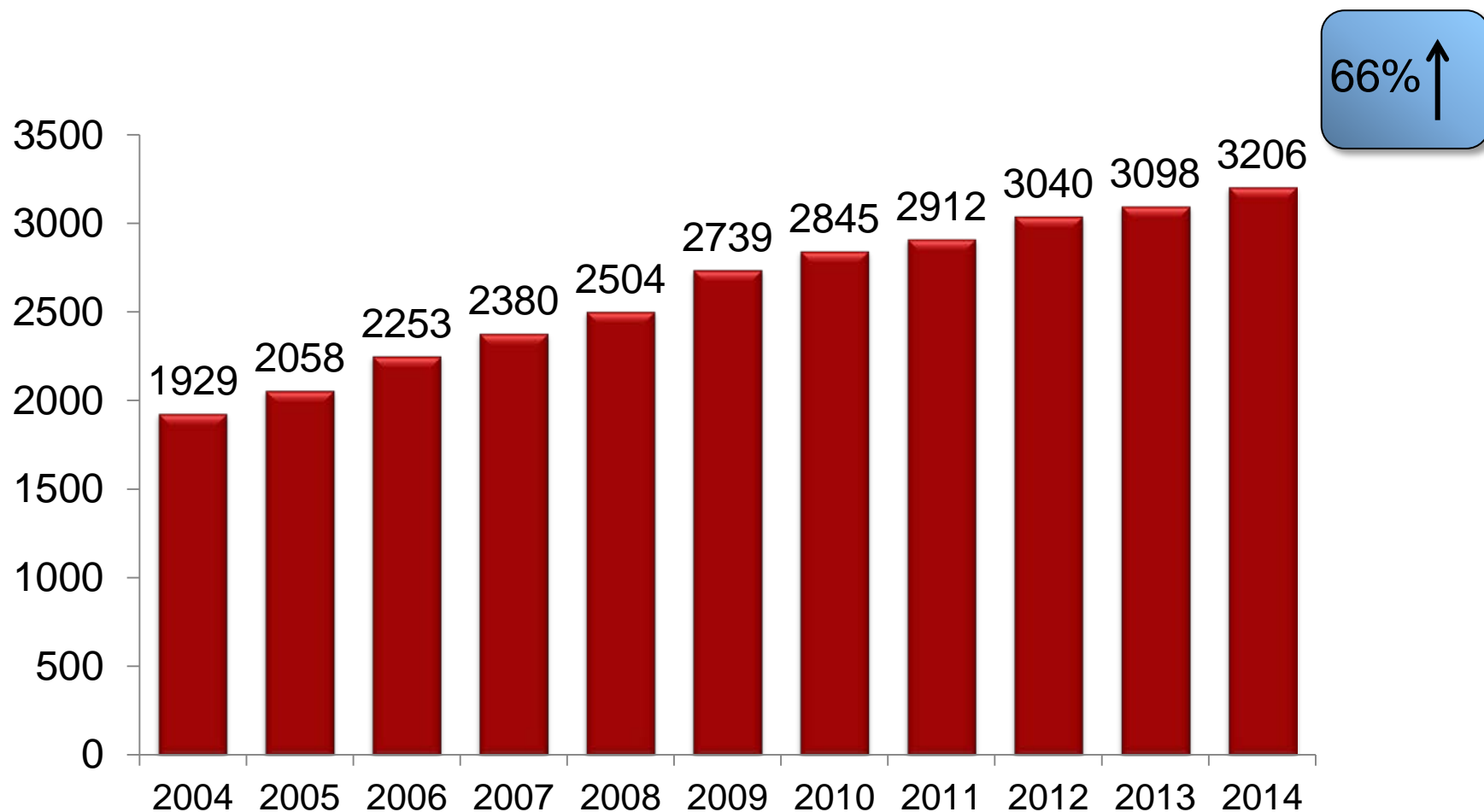
- Mission: *To be the definitive source of national longitudinal information and analysis on trainees within the Canadian postgraduate medical education system.*
- Created in 1986 so 30 years old this year!
- Funded by national medical organizations, prov/terr and federal governments
- Directed by CAPER Committee with input from CAPER Advisory Group
- Housed at AFMC & staffed by AFMC employees

# CAPER Products and Services

- Annual Census of postgraduate trainees
  - 1988/89 to 2015/16
  - Legal status, age, gender, school
  - Longitudinal analyses
  - Tracking into practice
- Provincial/specialty specific reports
- National IMG Database reports
- Fact sheets
- Custom requests (50-100 per year)

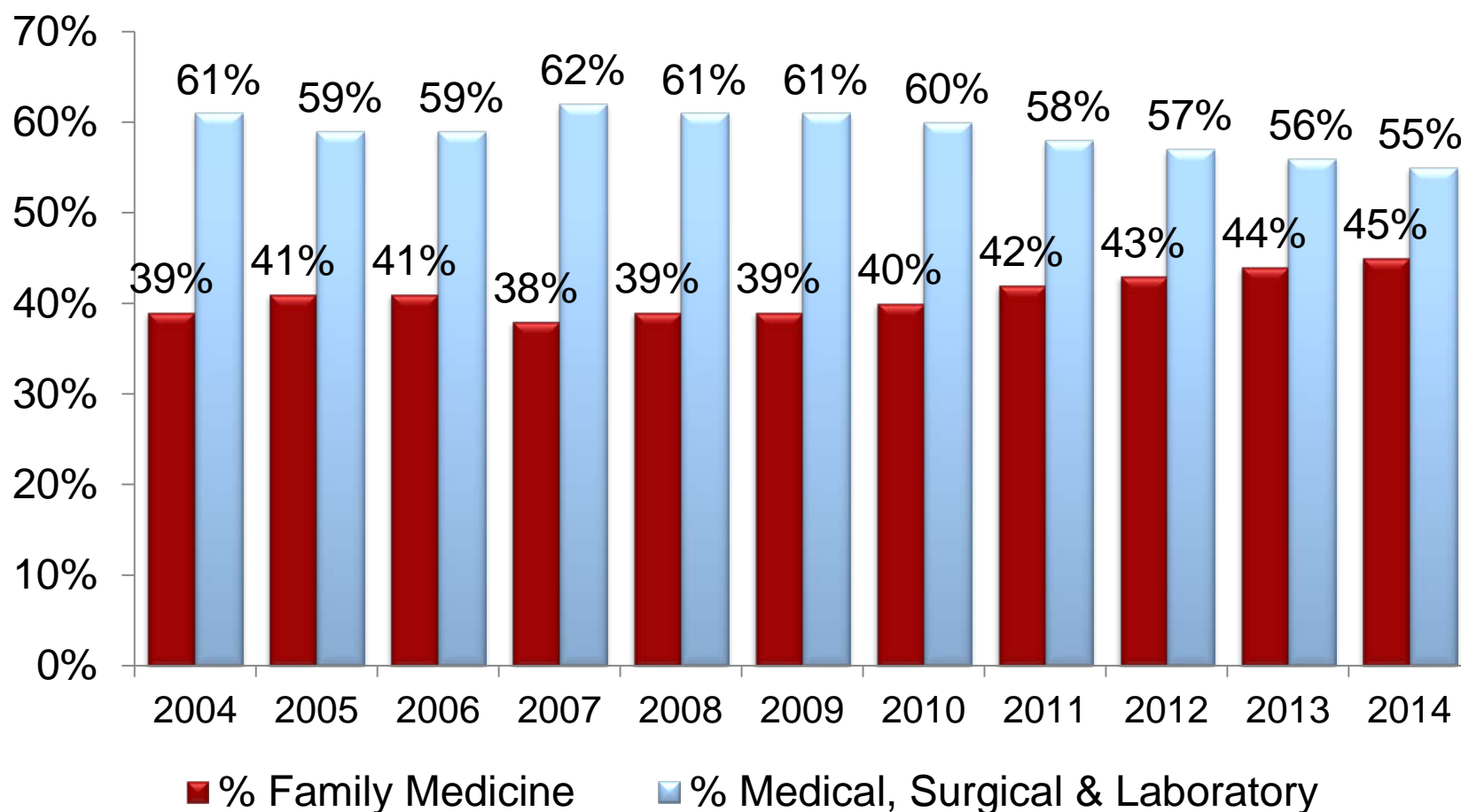


## Canadian Citizens and Permanent Residents: First Year Trainees in FM, Med/Surg/Lab Training

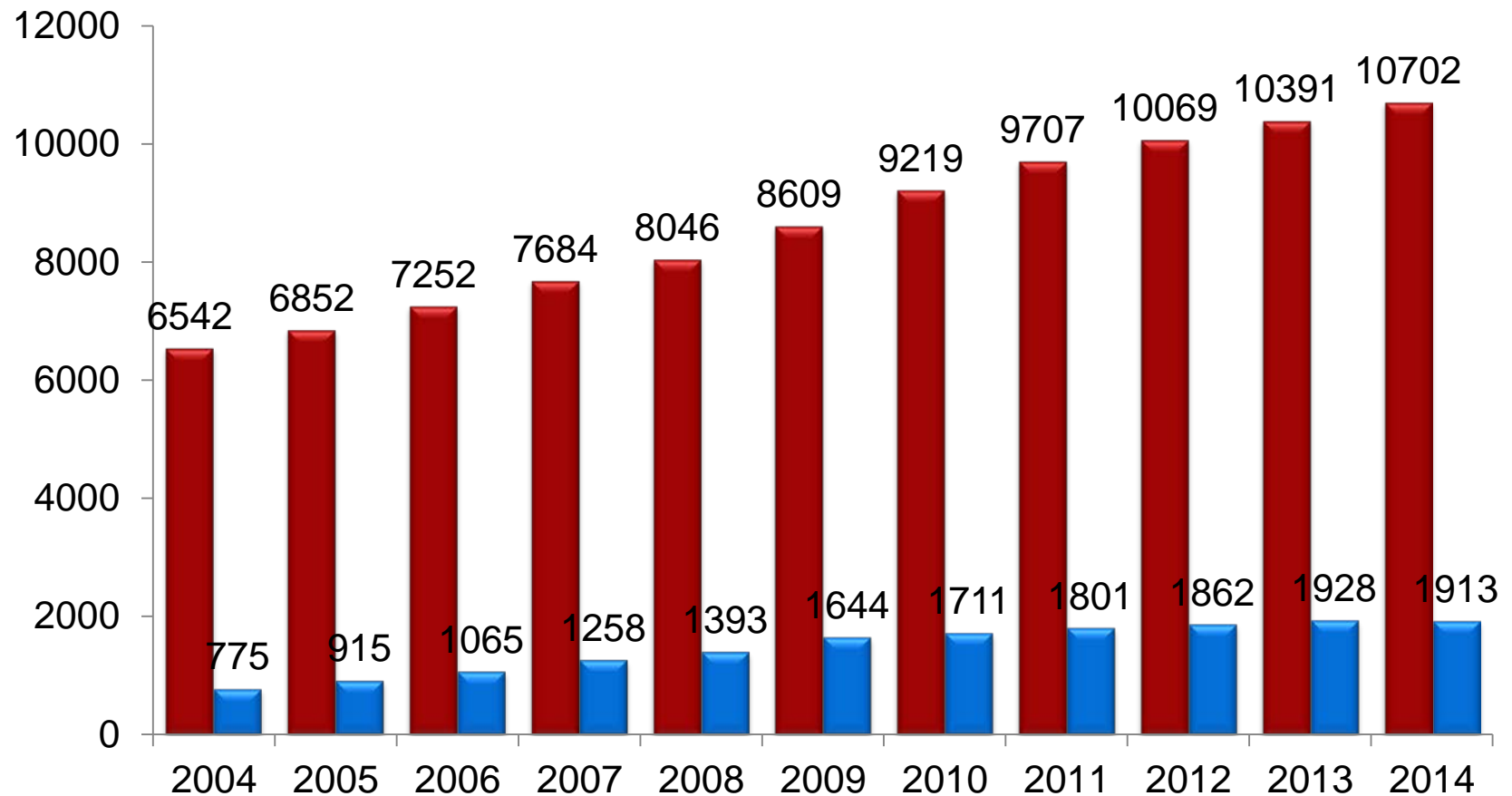


Source: CAPER Census

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



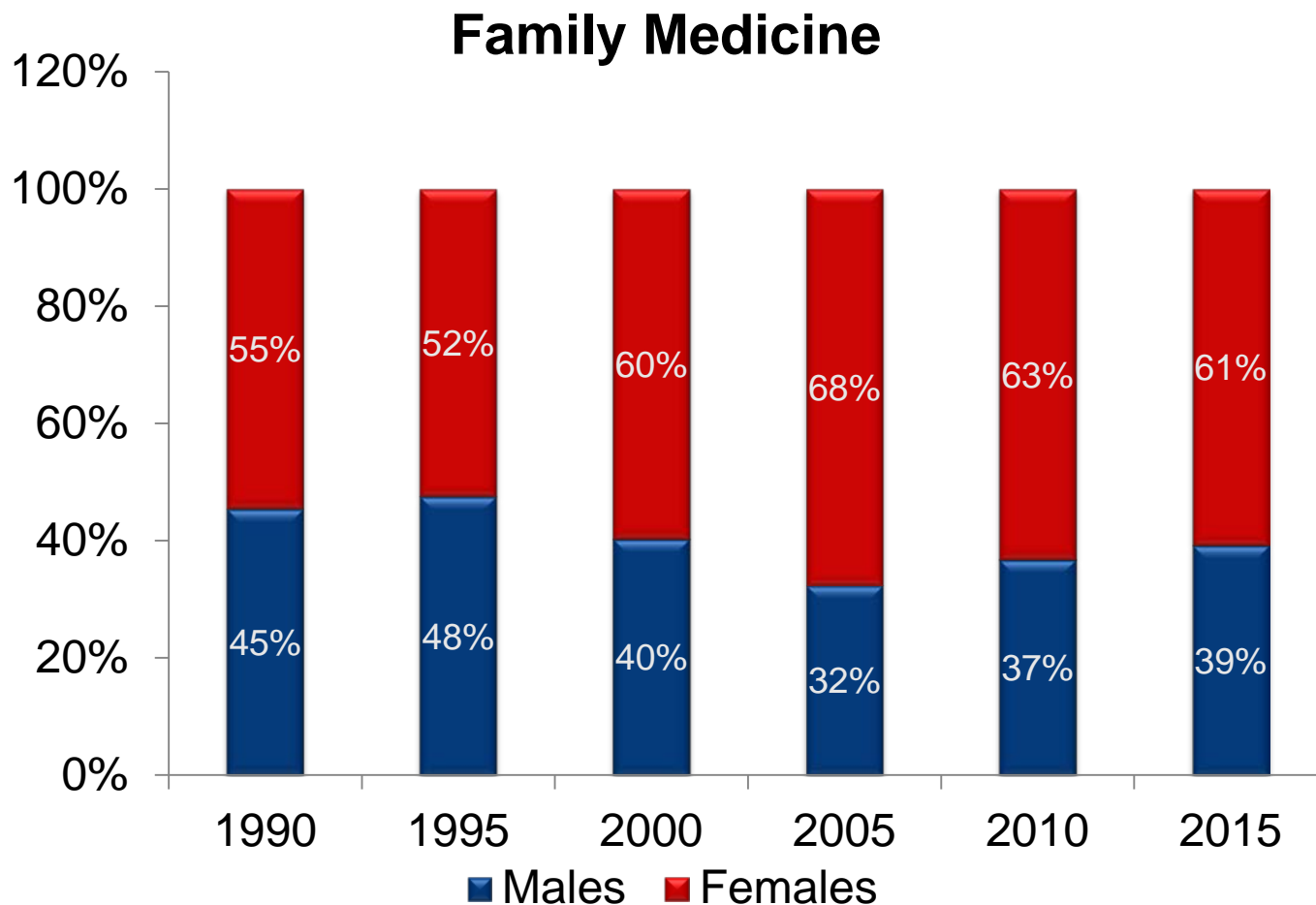
## Regular Ministry Funded Trainees by place of MD graduation (excludes visa trainees)



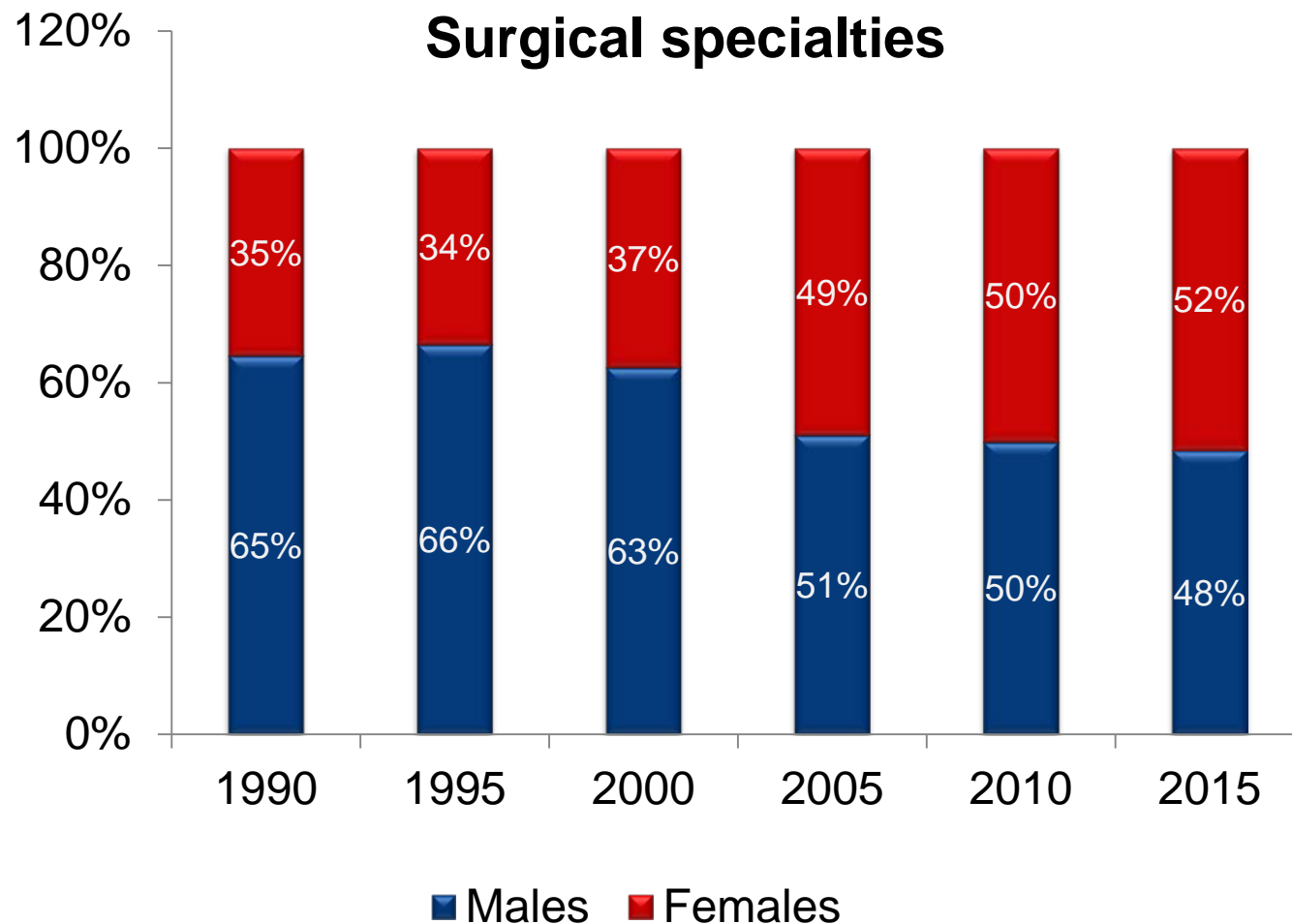
Over **60%** increase in graduates of Canadian medical schools;  
**150%** increase in ministry funded IMG trainees



# Canadian Citizens and Permanent Residents: First Year Trainees by Gender – **FM only**

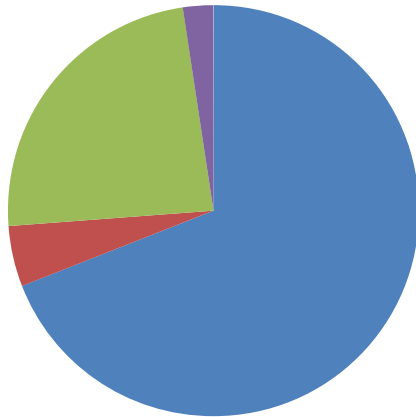


# Canadian Citizens and Permanent Residents: First Year Trainees by Gender – **Surgery only**



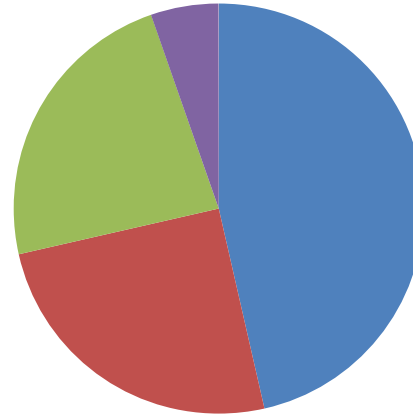
# Geographic retention of 2012 exit two years later by selected faculty providing last year of training

Memorial



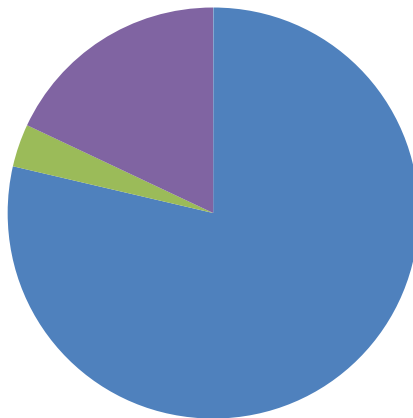
■ Same prov as postgrad  
■ Outside region

Dalhousie

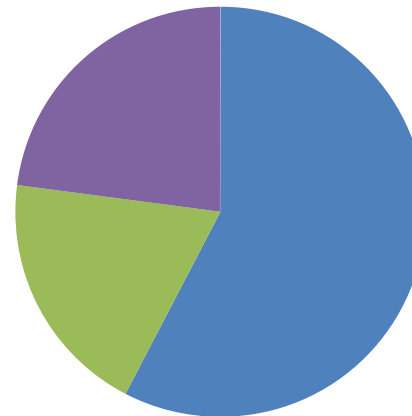


■ Diff prov, same region\*  
■ Other country/unknown

Laval



McGill

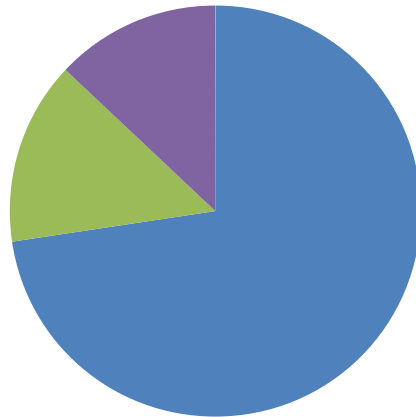


\* Region: Atlantic, QC, ON, Prairies, BC/Terr

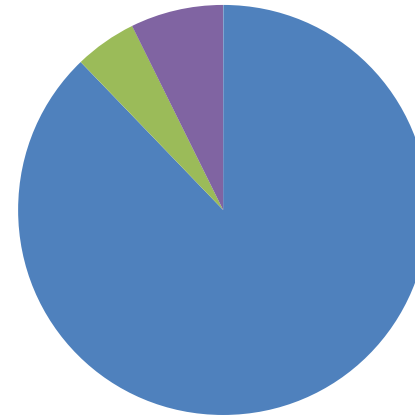
Source: CAPER, CMA<sup>25</sup>

# Geographic retention of 2012 exit two years later by selected faculty providing last year of training

Toronto



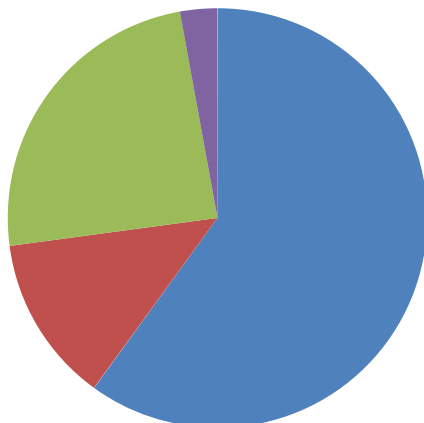
NOSM



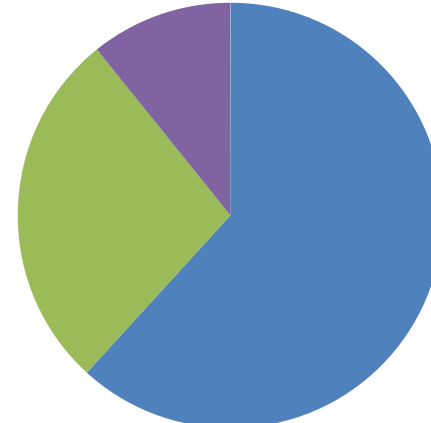
■ Same prov as postgrad  
■ Outside region

■ Diff prov, same region\*  
■ Other country/unknown

Sask



UBC



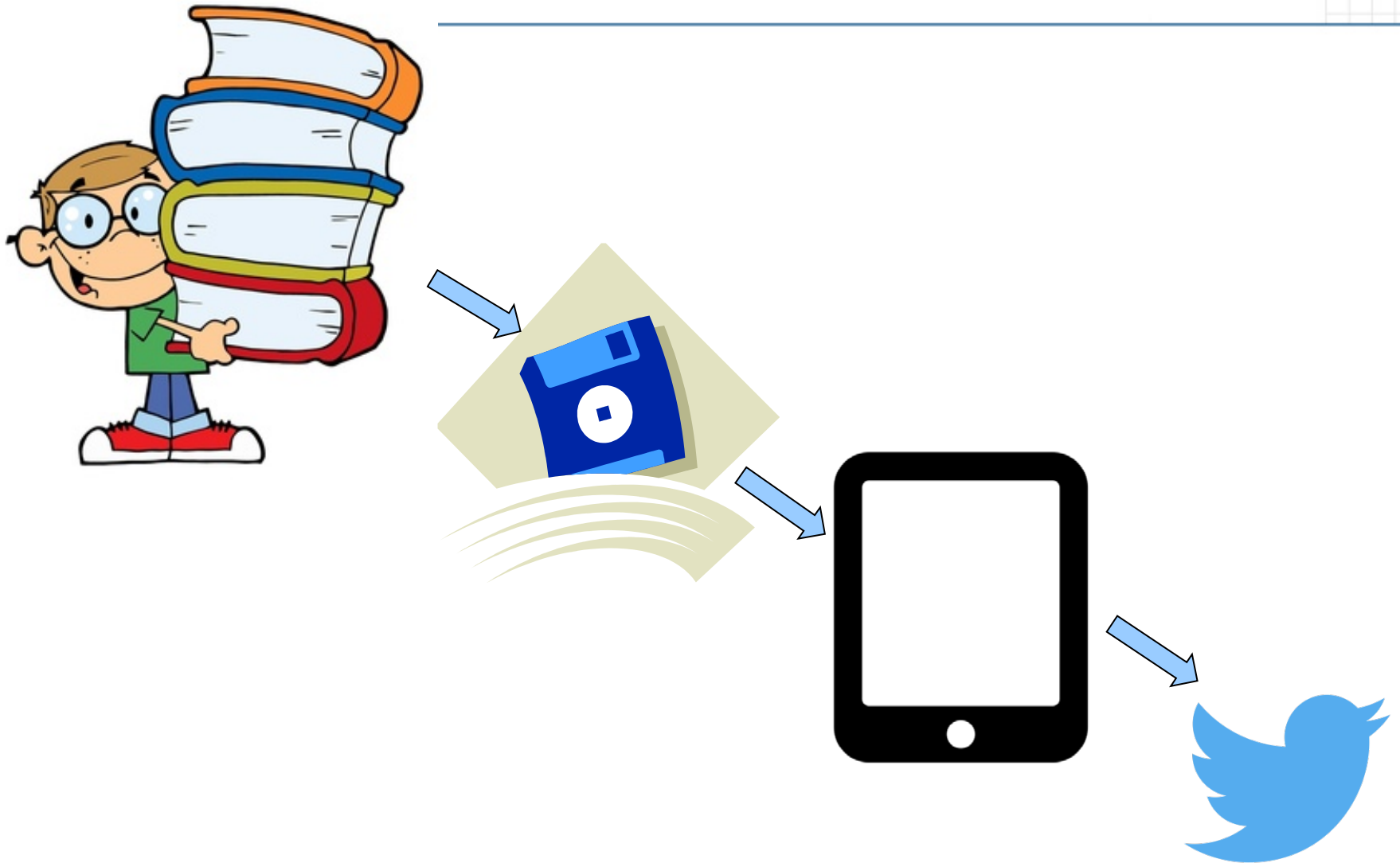
\* Region: Atlantic, QC, ON, Prairies, BC/Terr

Source: CAPER, CMA<sup>26</sup>

Visa trainees  
by country  
EXCLUDING  
SAUDI  
ARABIA



# CAPER Data Over Time





# Progress from last workshop

- Tracking postgrad exits into training
- Data encryption
- IMG database
- Modeling tool





Thank you!

[lbuske@caper.ca](mailto:lbuske@caper.ca)

[www.caper.ca](http://www.caper.ca)



@capercanada  
@lyndabuske