

Administrative data and Program Evaluation

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The Brave New World of Administrative Data

- What is administrative data?
 - Physician Billing Database
 - Medicare client registry
 - Driver's licence registry
 - Social insurance registry
 - Landing Records
 - ICARE
 - IMDB (LIDS/PRDS-T₁ Taxfiler Database)

Example: The City of Ottawa

Countries of Citizenship of Landing Cohorts to Ottawa, 2004-2012					
2004-2006		2007-2009		2010-2012	
China	10%	China	9%	Haiti	10%
Philippines	6%	Philippines	8%	China	9%
Lebanon	5%	Lebanon	5%	Philippines	9%
India	5%	India	5%	India	4%
Iran	3%	USA	4%	Iraq	3%
USA	3%	Haiti	3%	Lebanon	3%
British Citizen	3%	British Citizen	3%	USA	3%
Haiti	3%	Iraq	3%	British Citizen	3%
Congo (DRC)	2%	Iran	3%	Somalia	3%
Pakistan	2%	Congo (DRC)	2%	Iran	2%
Other	57%	Other	56%	Other	50%

Source: IMDB

Secondary Migration to Ottawa

Top 10 Previous CA/CMAs of Individuals Who Move to Ottawa and Corresponding Number of Secondary Migrants, 2004-2012					
2004-2006 Landings		2007-2009 Landings		2010-2012 Landings	
Toronto	1320	Toronto	800	Toronto	205
Montreal	735	Montreal	445	Montreal	130
Gatineau	430	Gatineau	295	Gatineau	100
Vancouver	170	Vancouver	135	Vancouver	25
Calgary	160	Hamilton	75	Edmonton	20
Winnipeg	135	Winnipeg	70	Halifax	20
Edmonton	125	Calgary	65	Quebec	20
Kitchener	120	Kitchener	65	Charlottetown	20
London	120	Edmonton	60	Winnipeg	15
Hamilton	90	Halifax	55	Kitchener	15
Total from top 10	3405		2065		570
Overall Total:	4195		2625		665
Percentage of Immigrants Coming from Top 10 Cities:	81%		79%		86%

Source: IMDB

**immigrants landed in the years specified, but moved any time between landing and 2012

Secondary Migration *from* Ottawa

Top 10 CA/ CMA Destinations of Individuals Who Leave Ottawa and Corresponding Number of Migrants, 2004-2012					
2004-2006 Landings		2007-2009 Landings		2010-2012 Landings	
Toronto	515	Toronto	335	Toronto	110
Gatineau	320	Gatineau	200	Gatineau	80
Edmonton	140	Montreal	85	Edmonton	35
Montreal	120	Edmonton	60	Montreal	30
Calgary	120	Calgary	60	Calgary	25
Vancouver	105	Vancouver	60	Vancouver	15
Ontario Non-CA	90	Ontario Non-CA	40	Ontario Non-CA	15
Kitchener	45	Kitchener	30	Wood Buffalo	10
London	30	Hamilton	20	Kitchener	5
Kingston	20	London	15	Hamilton	5
Total from top 10	1505		905		330
Overall Total:	1780		1125		395
Percentage of Immigrants Coming from Top 10 Cities:	85%		80%		84%

Source: IMDB

**immigrants landed in the years specified, but moved any time between landing and 2012

Tentative conclusion #1

- Ottawa is doing a good job at recruitment and retention.
 - It attracts a diverse array of immigrants.
 - Immigrant flows are likely to remain robust.
 - It gains nearly twice as many immigrants as it loses.
 - It recruits from across Canada.

How does Ottawa compare?

Two-year Retention of Landing Cohorts, by City*		
	2004-2006	2007-2009
Ottawa	84%	86%
Edmonton	90%	89%
Calgary	91%	90%
Winnipeg	88%	90%

Source: IMDB

*Defined as the percentage of the initial cohort still found in city two years after landing

Immigrants' Economic Establishment in Ottawa

Median Individual Income of Immigrants to Ottawa Landing in 2004-2006, by Year	
	Median After Tax Income
2004	\$5,100
2005	\$8,900
2006	\$11,600
2007	\$16,200
2008	\$18,200
2009	\$20,000
2010	\$22,000
2011	\$23,000
2012	\$24,000
Constant 2012 dollars	
<i>Source: IMDB</i>	

Median Individual Income of Immigrants to Ottawa Landing in 2007-2009, by Year	
	Median After Tax Income
2007	\$6,400
2008	\$10,900
2009	\$13,200
2010	\$17,700
2011	\$19,200
2012	\$20,000
Constant 2012 dollars	
<i>Source: IMDB</i>	

Median Individual Income of Immigrants to Ottawa Landing in 2010-2012, by Year	
	Median After Tax Income
2010	\$7,900
2011	\$11,900
2012	\$13,300
Constant 2012 dollars	
<i>Source: IMDB</i>	

NB: Includes only Ottawa's original landed cohort, no secondary migrants

Tentative Conclusion #2

- Ottawa's doing a good job?
- Retention rates, though improving, are lower than they are for comparable cities.
- Economic outcomes appear to be mediocre.
 - Median incomes, though climbing, are fairly low.
 - How does this compare to other cities?

Next Steps for Program Evaluation?

- Moving beyond ecological correlations.
- Do these programs result in improved
 - Recruitment?
 - Retention?
 - Settlement?
 - Spatial distribution?
 - Socioeconomic well-being?
- The future of administrative data and program evaluation.