

www.ipums.org/international Bob McCaa, rmccaa@umn.edu Matt Sobek, sobek@umn.edu

IPUMS-International:

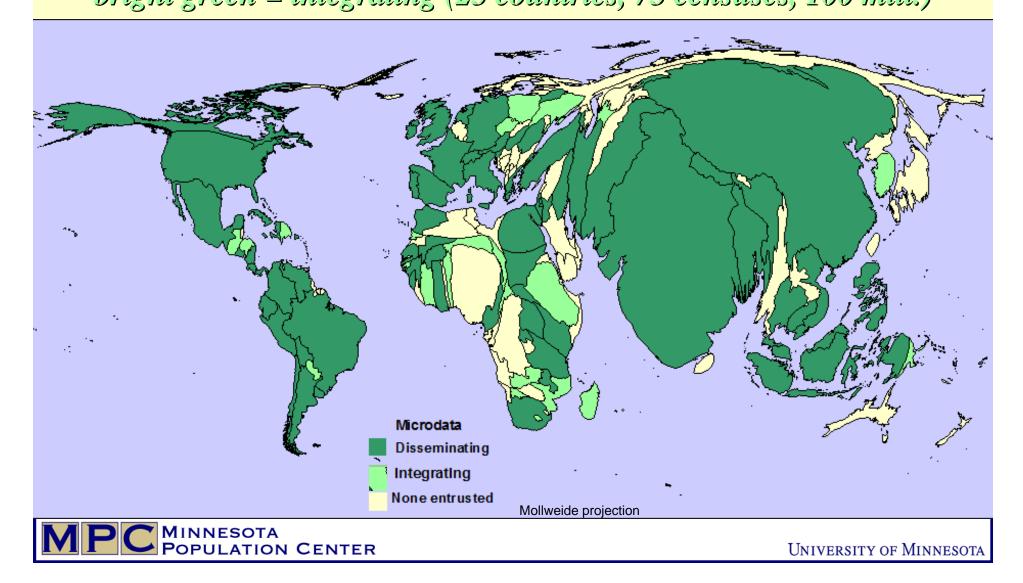
A global collaboratory to archive, integrate, and disseminate census microdata to researchers world-wide free of cost

See handouts:

- **1.** Card for list of samples and usage statistics
- 2. Pamphlet for list of participating statistical offices and tips for using integrated microdata and metadata

MPC MINNESOTA POPULATION CENTER

IPUMS-International: 2013 cartogram (weighted by population) dark green = anonymized, harmonized and disseminating 74 countries, 238 samples, 540 millon person records bright green = integrating (25 countries, 75 censuses, 100 mill.)

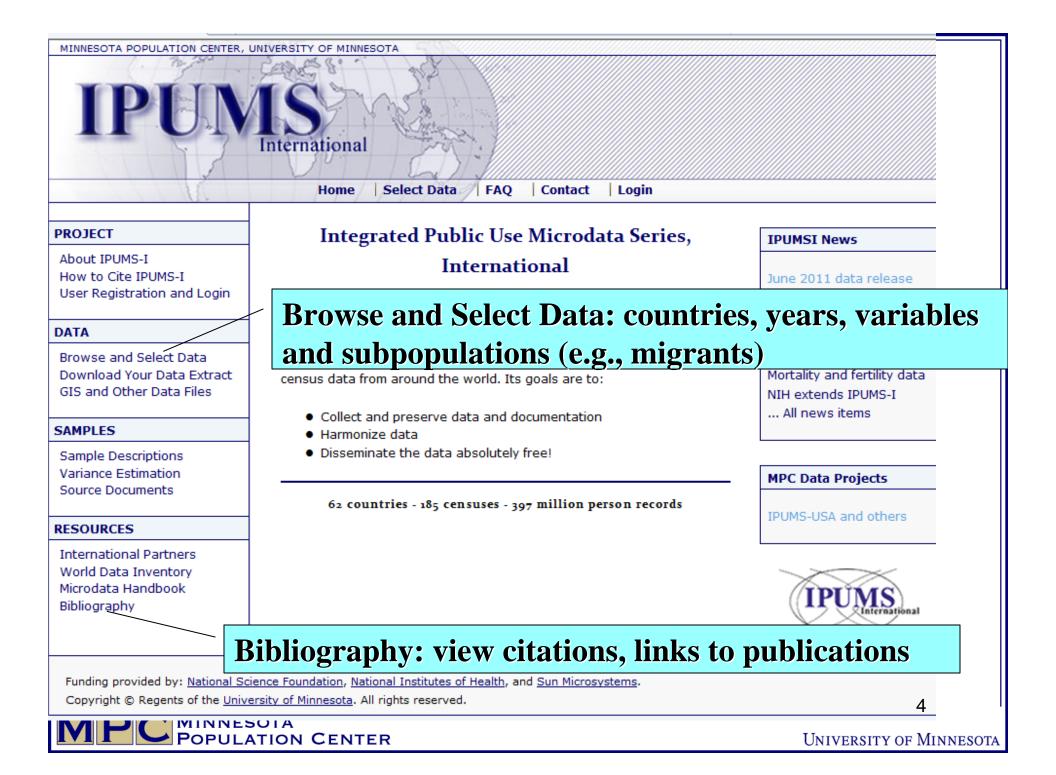




IPUMS-International adds value to census microdata

- **1.** Conditions of access to census microdata are the same for all countries and users (registration required, free of cost).
- 2. Statistical confidentiality and security disclosure controls, access restricted to researchers
- **3.** Integration/harmonization census microdata and metadata
 - E.g.: migration since birth, last 1/5/10 years, previous residence
- 4. Dissemination custom tailored extracts: country(ies), census(es), sub-populations, variables, sample density, metadata
- 5. Share -
 - Microdata with national statistical office partners
 - Research results with other researchers, NSOs, etc.

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IPUMS-International shares results posted at http://bibliography.ipums.org MPC Bibliography

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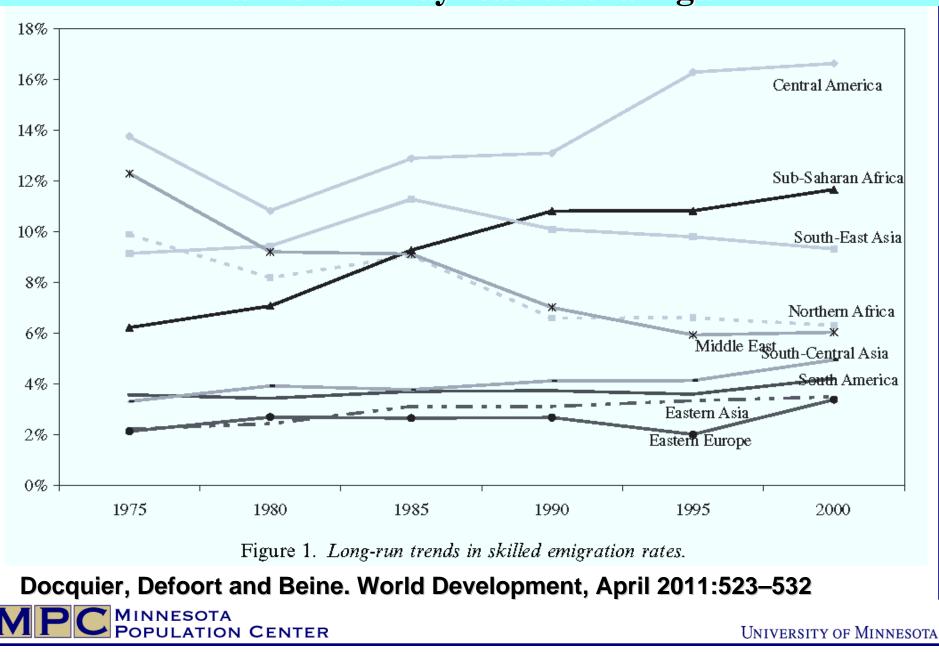


IPUMS-International registered citations , Total = >600. "Migration" = 97

- Internal migration 41
- Single country 44
- **Topics:**
 - Brain drain 5
 - Human capital 22
 - Stocks and flows 21
- Example citations:
 - Docquier, Frédéric, Çaglar Özden, Christopher Parsons, Erhan Artuc. 2012. "A Global Assessment of Human Capital Mobility: the Role of non-OECD Destinations."
 - Sander, Nikola, Jana Vobecka. 2012. "A Cross-National Comparison of the Spatial Structure of Internal Migration by Level of Educational Attainment."

- International migration 56
- Global/Developing/OECD 38

Applied research example: Brain drain may lead to brain gain



IPUMS Website Live Demonstration

www.ipums.org/international

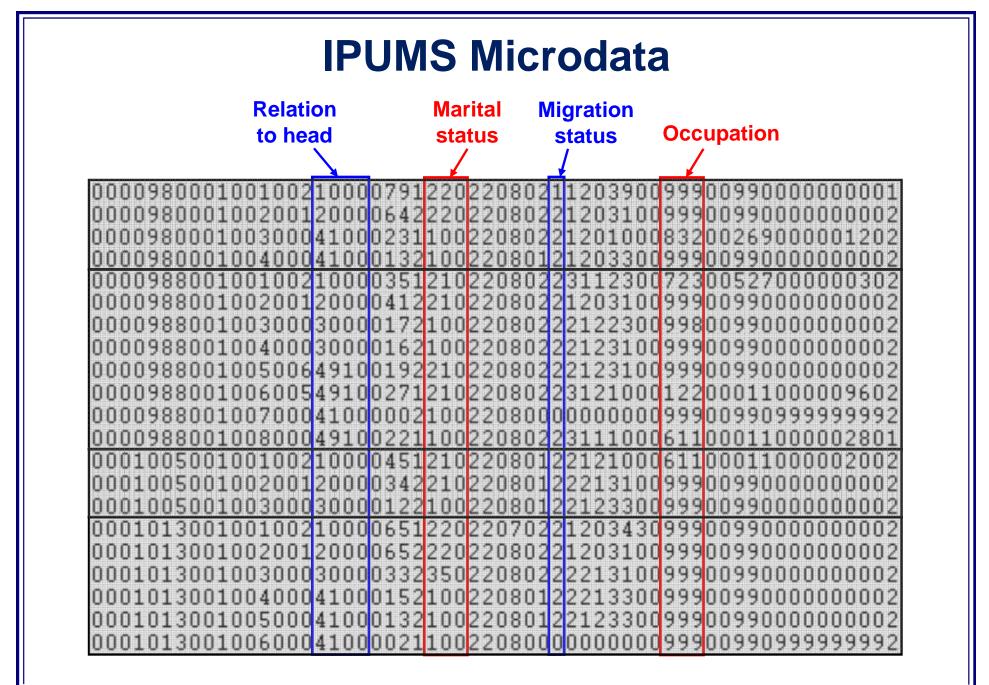




IPUMS Samples

Africa		Asia		Latin Ameri	ica	Europe/N. Ame	erica
Egypt	2	Armenia	1	Argentina	4	Austria	4
Ghana	1	Cambodia	2	Bolivia	3	Belarus	1
Guinea	2	China	2	Brazil	5	Canada	4
Kenya	2	India	5	Chile	5	France	7
Malawi	3	Indonesia	9	Colombia	4	Germany	4
Mali	2	Iran	1	Costa Rica	4	Greece	4
Morocco	3	Iraq	1	Cuba	1	Hungary	4
Rwanda	2	Israel	3	Ecuador	5	Ireland	8
Senegal	2	Jordan	1	El Salvador	2	Italy	1
Sierra Leone	1	Kyrgyzstan	1	Jamaica	3	Netherlands	3
South Africa	3	Malaysia	4	Mexico	7	Romania	3
Sudan	1	Mongolia	2	Nicaragua	3	Slovenia	1
Tanzania	2	Nepal	1	Panama	5	Spain	3
Uganda	2	Pakistan	3	Peru	2	Switzerland	4
		Palestine	2	Puerto Rico	5	UK	2
		Philippines	3	Saint Lucia	2	USA	6
		Thailand	4	Uruguay	5		
		Turkey	3	Venezuela	4		
		Vietnam	3				







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Strengths of IPUMS Microdata

- Microdata: individual-level analysis
- Persons are organized into households
 "pointers" => age of spouse, education of mother
- Large sample sizes (median 785,000 cases)
- Multiple samples for most countries
- Data are cleaned and documented
- Harmonized variables
- Unharmonized variables no lost information



Limitations of IPUMS Samples

- Confidentialized limited low-level geography
- Samples

sampling error insufficient cases for some subpopulations

- Comparability issues
- Cross-sectional causality



Future Plans

- 2013: Bangladesh, Burkina Faso, Cameroon, Fiji, Haiti
- Improved geography Harmonization over time; boundary files
- Wealth index
- Remote access
- TerraPopulus climate and environment



Migration Variables in IPUMS

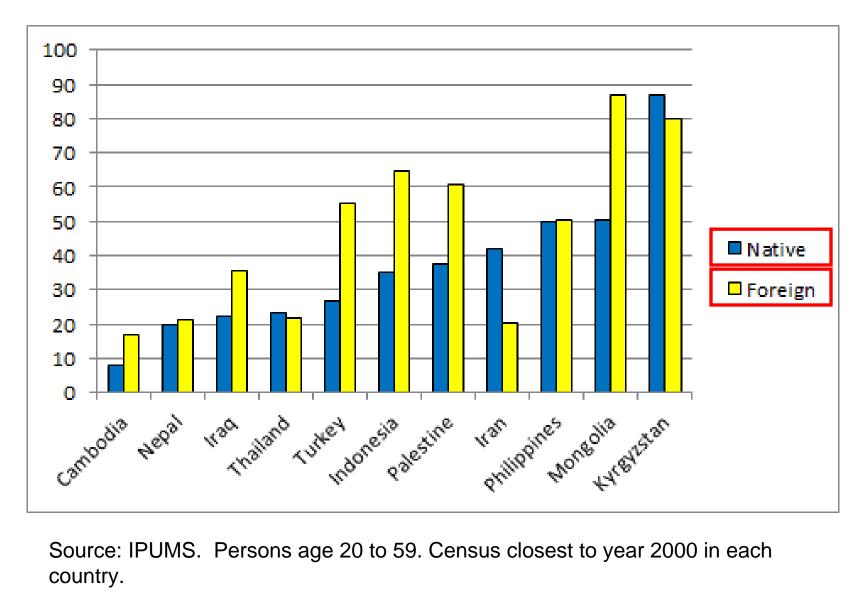
	Variable	N of Samples
٢	Place of residence 1/5/10 years ago	113
	Place of previous residence	67
	Country of residence 1/5 years ago	55
	Country of previous residence	41
Ĩ	Nativity status	175
	Country of birth	130
	Major subnational division of birth	145
Ī	Urban status, previous or x years ago	22
	Years residing in current locality	71
	Year of immigration	46
	Citizenship status/nationality	111
L	Reason for migration	22
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Research Examples Using IPUMS

- Education
- Social impact
- Demography
- <u>Return migration</u>
- <u>Measurement</u>
- End show



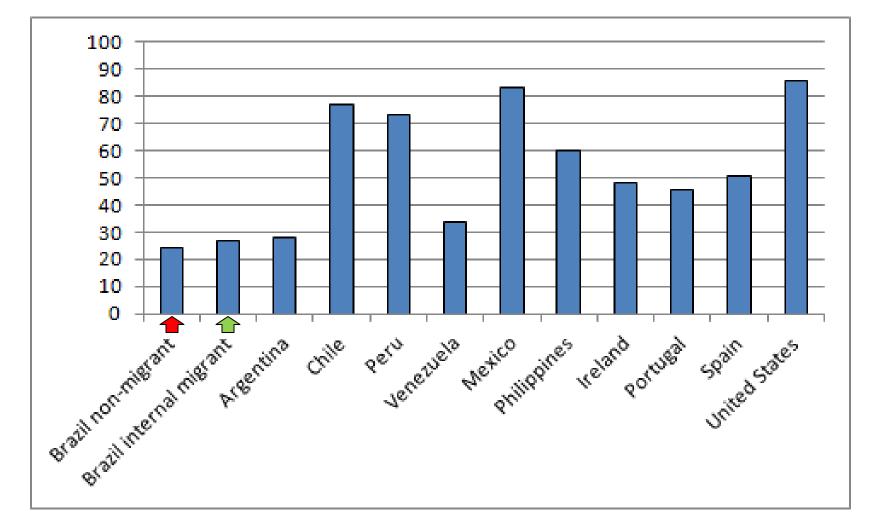
Secondary Education by Nativity





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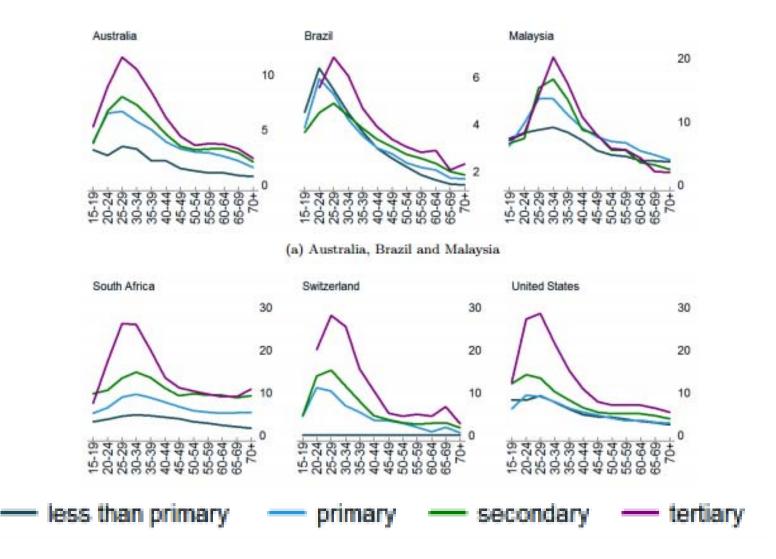
Brazilians Living Abroad: Secondary Education by Country of Residence



Source: IPUMS. Persons born in Brazil, age 18 and older with secondary education or more. Data are from census closest to year 2000 in each country.



Internal Migration by Age and Education



Source: N. Sander and J. Vobecka, "A Cross-National Comparison of the Spatial Structure of Internal Migration by Level of Educational Attainment," PAA, 2012.



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Adolescent Urban Migrants by Sex

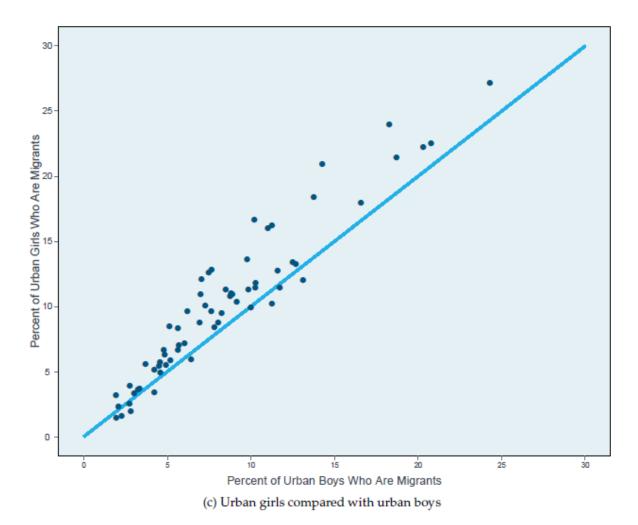


Figure 3: In-migration percentages for adolescent girls and boys aged 15–19. Migration defined as a cross-province move or the equivalent in the previous five years. Source: IPUMS.

Each data point is an IPUMS sample.

Source: Mark Montgomery et al., "Urban Migration of Adolescent Girls." PAA 2012



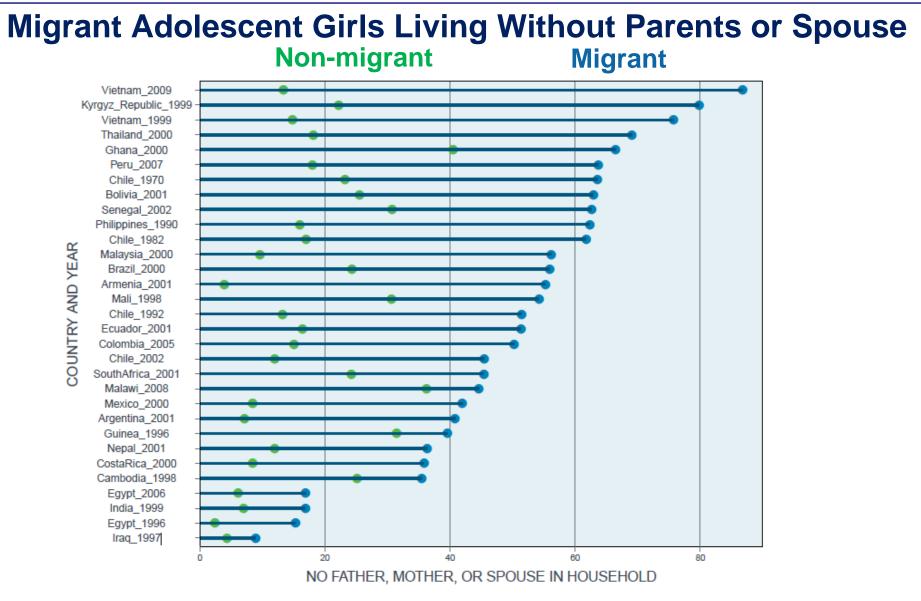
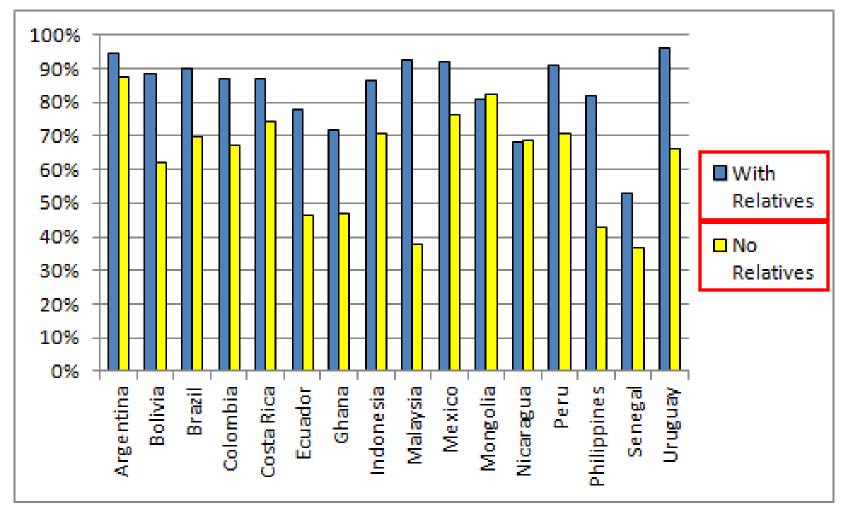


Figure 16: Urban girls aged 15–19 not living with a mother, father, or spouse, by migrant status (cross-province movers). Source: IPUMS.

Source: Mark Montgomery et al., "Urban Migration of Adolescent Girls." PAA 2012



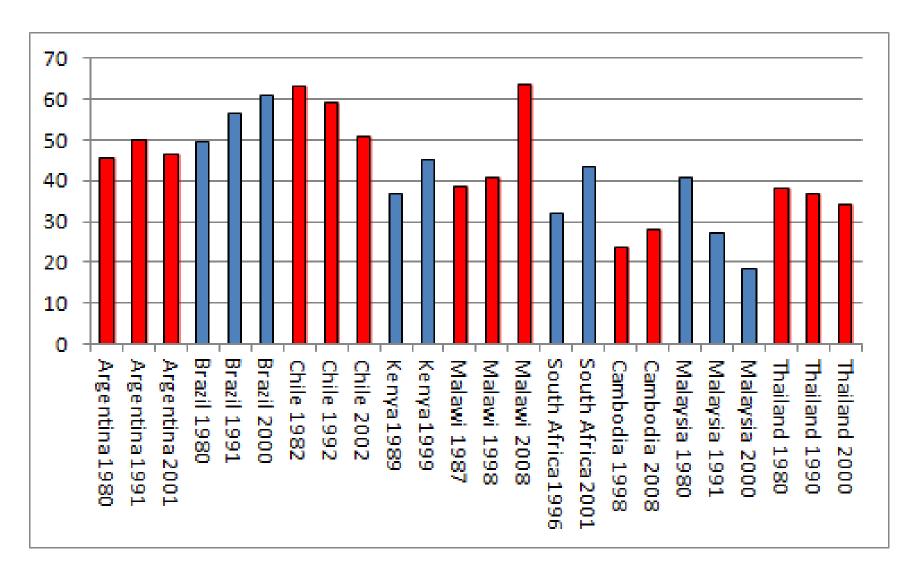
School Attendance of Migrant Children, by Presence of Relatives



Source: IPUMS. Samples circa 2000. Children age 6 to 15 who migrated internally within the past 5 years.



Immigrant Intermarriage Over Time

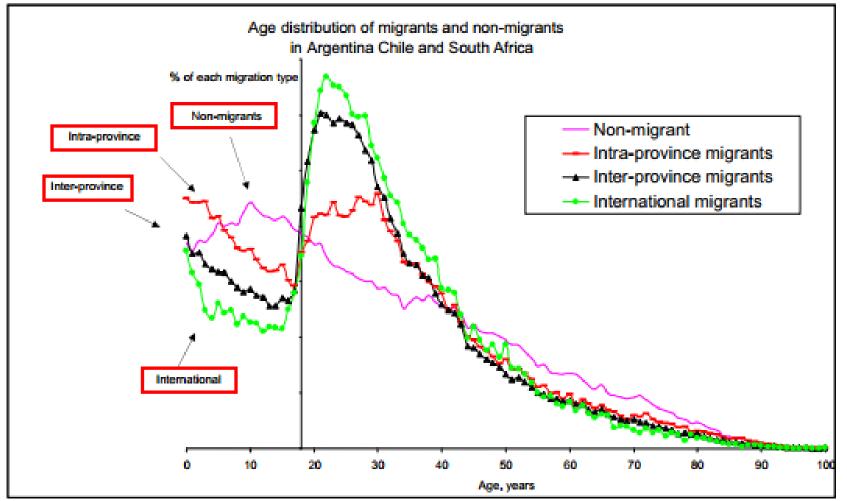


Source: IPUMS. Foreign-born persons in a marriage or union to a person from a different country of origin.



Age by Migrant Type: 3 Countries





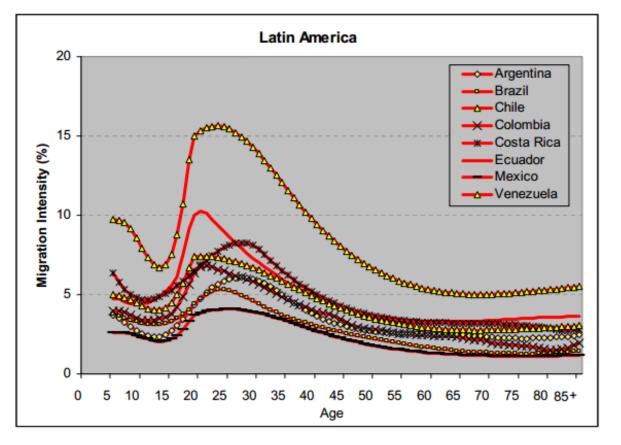
Migration in previous 5 years in Argentina, Chile and South Africa.

Source: Shahin Yaqub, "Child Migrants with and without Parents: Census-Based Estimates of Scale and Characteristics in Argentina, Chile and South Africa", UNICEF Discussion Paper 2009-02, February 2009



Internal Migration Intensity by Age: Latin America

Figure 4b: Age Profiles of Five Year Migration Intensity for 'Major Regions', Selected Countries in Latin America



Source: M. Bell and S. Muhidin, "Cross-National Comparisons of Internal Migration", UNDP, Human Development Research Paper, 2009/30, 2009.



Age 60+ Internal Migration Rates, Previous 5 Years

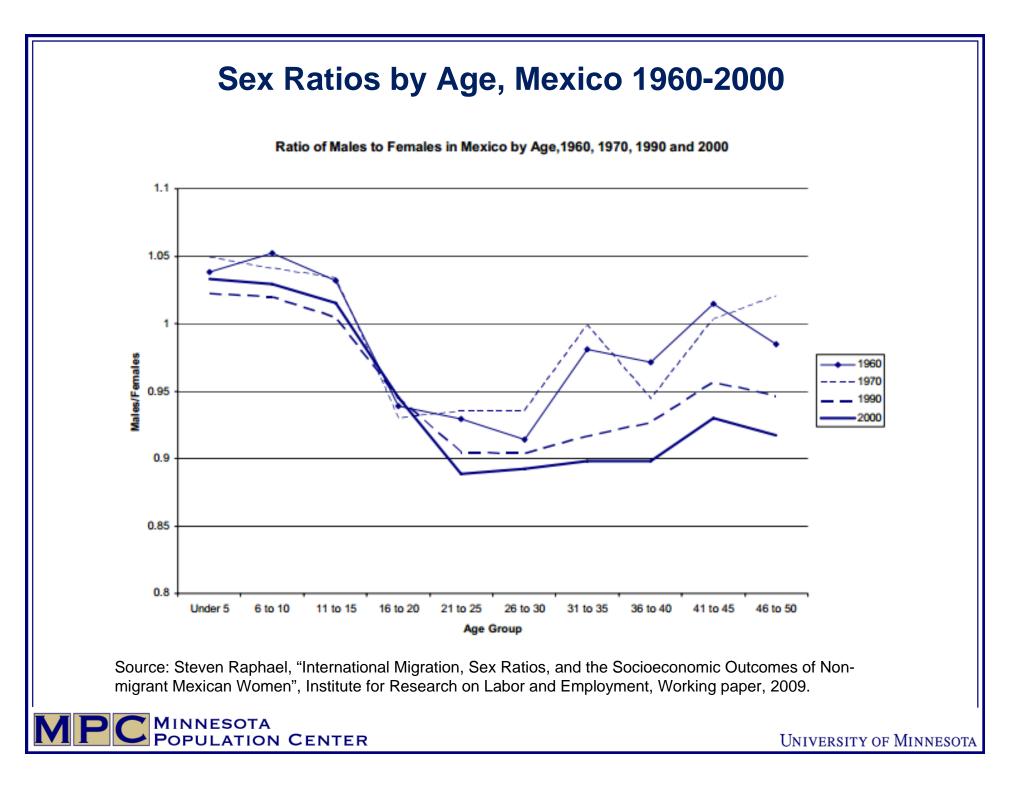
	Year 2000, GDP	Percenta	ge reporti
	per capita in current US dollars ^a	25-59	60+
Brazil 2000	\$4,135	3.87	1.67
Chile 2002	\$5,110	10.02	5.15
Costa Rica 2000	\$2,877 ^b	5.57	3.14
Greece 2001	\$12,278	6.44	3.04
Mexico 2000	\$5,492	4.55	2.06
Philippines 2000	\$1,073	3.58	1.39
Vietnam 1999	\$383	2.76	1.06

Migration across major administrative boundaries in previous five years.

Source: D. Bradley and C. Longino, "Geographic Mobility and Aging in Place", in P. Uhlenberg (ed.), *International Handbook of Population Aging*, 2009.



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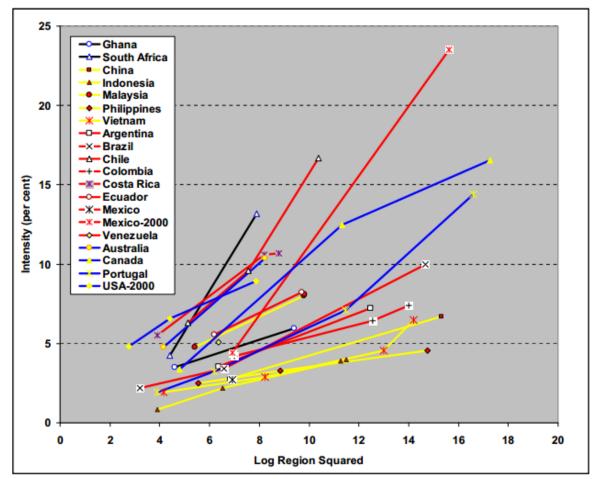
Return Migration: Education and Employment

	Model 1	Model 2
Migration Status		
Nonmigrants		
No schooling (ref)	(1.00)	(1.00)
Primary schooling	1.249***	1.008
Secondary schooling	1.632***	1.188***
Vocational graduate	3.972***	3.024***
University graduate	4.539***	3.183***
Returning Migrants		
No schooling	1.23	1.331
Primary schooling	0.806	1.078
Secondary schooling	0.961	1.262
Vocational graduate	2.456***	3.610***
University graduate	7.718***	6.162***
Foreign Born		
No schooling	0.786	0.743***
Primary schooling	0.925	0.836***
Secondary schooling	0.977	0.886
Vocational graduate	1.611**	1.335*
University graduate	2.367***	1.706***

Source: Kevin Thomas, "Return Migration in Africa and the Relationship between Educational Attainment and Labor Market Success: Evidence from Uganda", *International Migration Research*, 2008.



Measurement: Internal Migration by Size of Geographic Unit



Source: M. Bell and S. Muhidin, "Cross-National Comparisons of Internal Migration", UNDP, Human Development Research Paper, 2009/30, 2009.



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Thank You!

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