

**Native and Migrant Fertility Patterns in Greece:
An Approach Based on IPUMS Microdata and Aggregated Census Data
(1950-1969 cohorts)**

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Part A: Native and migrant fertility patterns in Greece: IPUMS vs Census data

- A.1. The selected variables
- A.2. Numbers of women by year of birth and citizenship
- A.3. Cohort fertility and proportions childless

Part B: Factors affecting fertility levels and differentials between native and migrant women: An analysis based on IPUMS data

Table 1. Variables selected (2001Census vs IPUMS data), 1950-1969 cohorts

IPUMS

2001 Census

Description of variables	Codes	Variables retained	Description of variables	Codes	Variables retained
Year of birth		1950-1969	Year of birth		1950-1969
Number of children		0-12	Number of children		0-18
Country of citizenship	43060 - Greece	43060 - Greece	Country of citizenship	656 - Greece	656 - Greece
	43010 - Albania	43010 - Albania		612 - Albania	612 - Albania
	43020 - Bulgaria	43020 - Bulgaria		631 - Bulgaria	631 - Bulgaria
Country of birth	43060 - Greece	43060 - Greece	Country of birth	656 - Greece	656 - Greece
	43010 - Albania	43010 - Albania		612 - Albania	612 - Albania
	43020 - Bulgaria	43020 - Bulgaria		631 - Bulgaria	631 - Bulgaria
Nativity status	1 for Native-born	1 for Greek women	Indicator of citizenship	1- Greek	1 for Greek women
	2 for Foreign-born	2 for Albanian women		2-Double	2 - Albanian and 3 - Albanian for Albanian women
		2 for Bulgarian women		3-Foreign	2 - Bulgarian and 3 - Bulgarian for Bulgarian women

For both sources

Greek women born in Greece, by year of birth and number of children ever born
 Albanian women born in Albania, by year of birth and number of children ever born
 Bulgarian women born in Bulgaria, by year of birth and number of children ever born

Table 2. Numbers of women by year of birth (2001Census vs IPUMS data), 1950-1969 cohort groups

<u>IPUMS</u>					<u>2001 Census</u>			
	Greek	Albanian	Bulgarian			Greek	Albanian	Bulgarian
1950-54	30,656	710	220		1950-54	317,234	7,753	2,507
1955-59	32,553	1,101	220		1955-59	336,405	11,846	2,710
1960-64	31,831	1,443	265		1960-64	336,663	15,849	2,486
1965-69	33,027	1,702	233		1965-69	352,211	18,342	2,678
1950-1969	128,067	4,956	938		1950-1969	1,342,513	53,790	10,381

Figure 1. Cohort Fertility (2001Census vs IPUMS data), 1950-1969 cohort groups

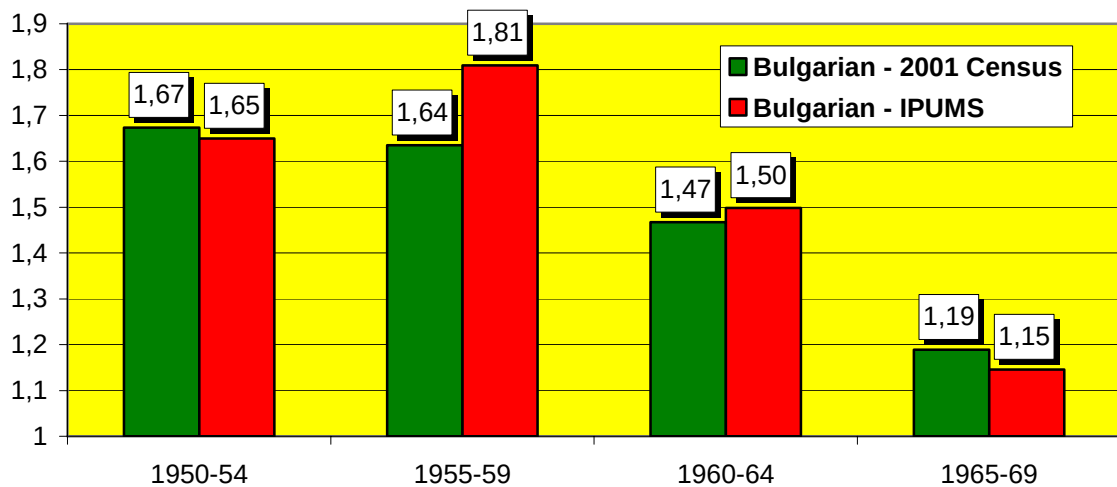
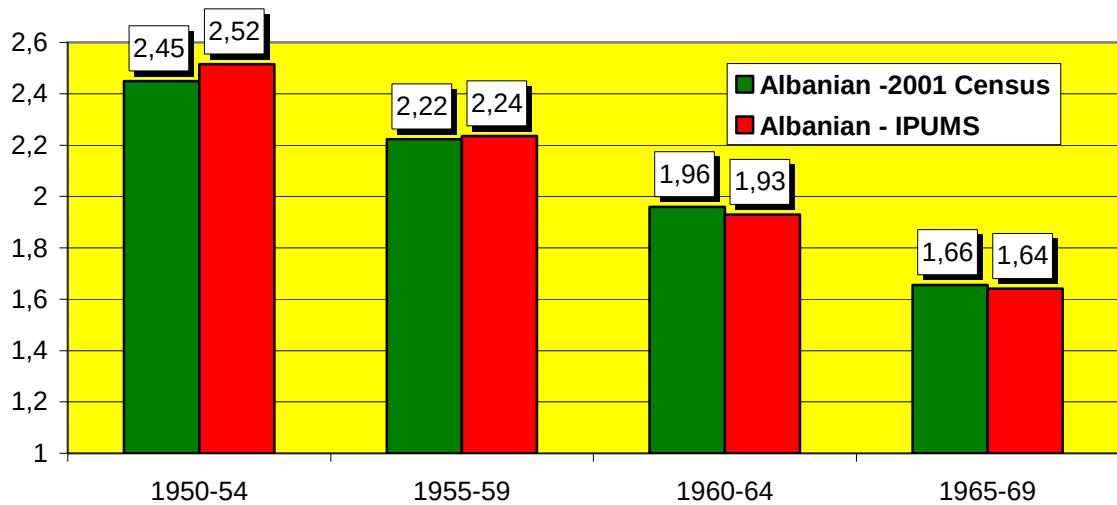
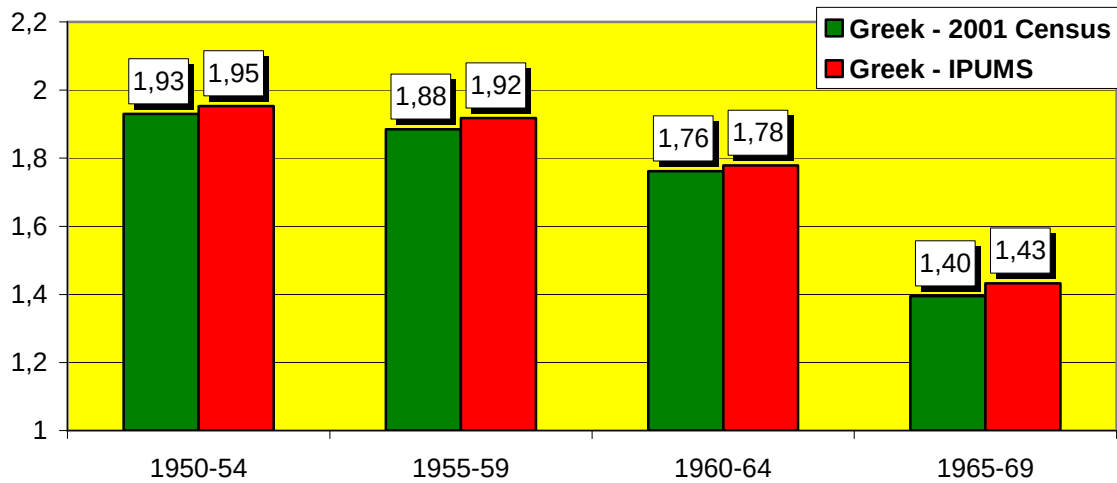
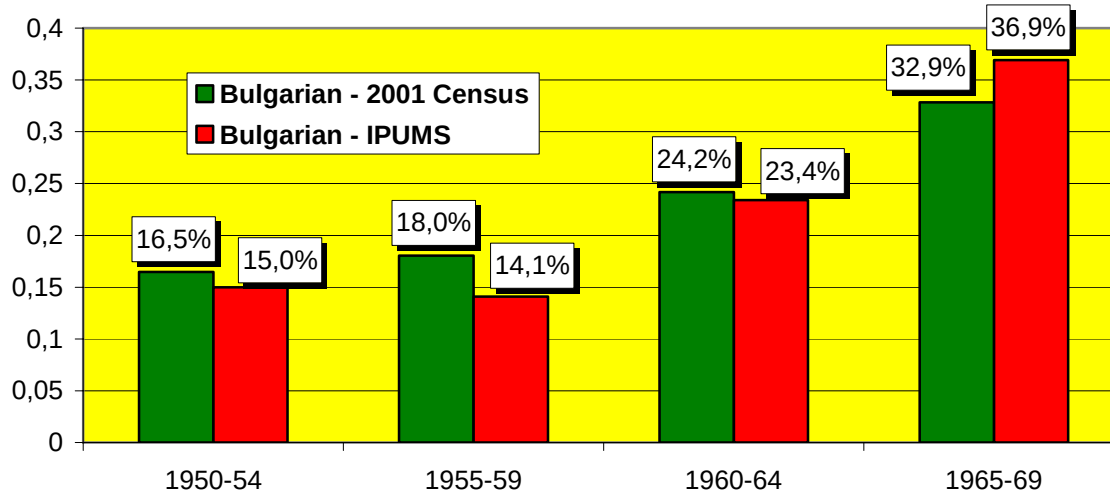
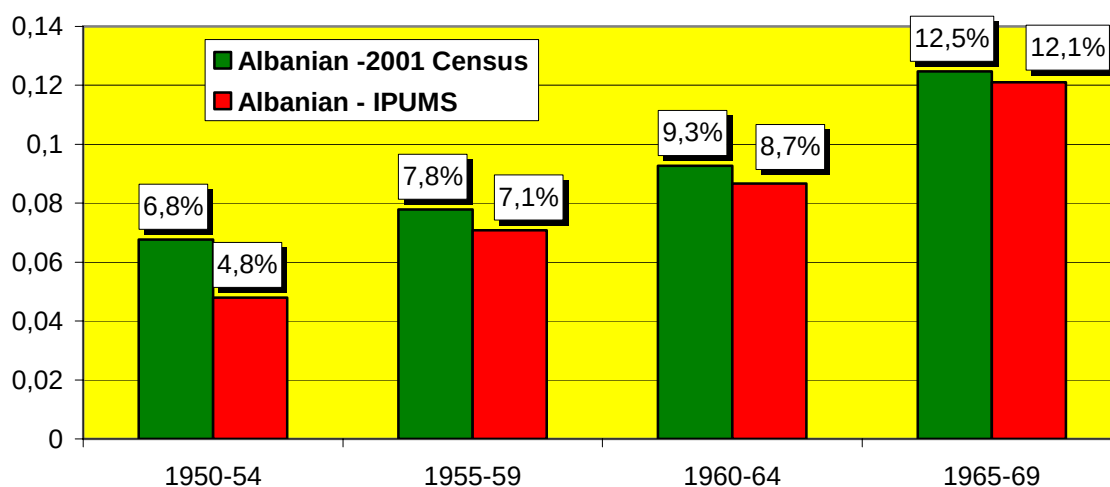
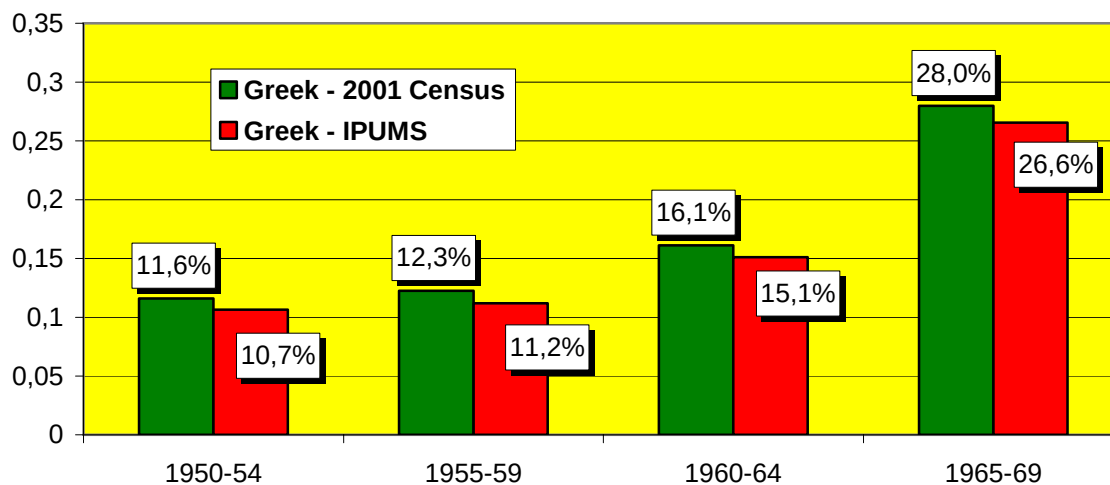


Figure 2. Childlessness (%), (2001Census vs IPUMS data), 1950-1969 cohort groups



Part B: Factors affecting fertility levels and differentials between native and migrant women: An analysis based on IPUMS data

Dependent variable: Number of children ever born (0, 1, 2, 3 or more)

Independent variables:

- Cohort of women (year of birth, 1950-1969)
- Age at marriage
- Educational attainment:
 - 0-6 years (having completed at the most primary education)
 - 7-12 years (lower or upper secondary)
 - 13 years or more (any post-secondary)
- Employment:
 - Ever employed (currently retired or employed or unemployed but experienced workers)
 - No employment (mainly housewives)

Method: Multinomial Logistic Regression

Table 3: Relative Risk Ratios (RRR) based on Multinomial Logistic Regression, comparing women born over 1950-1969 with 1, 2 and 3 or more children to those who are childless

Predictors	Greece	Albania	Bulgaria
<i>Reference category: Childless women</i>			
<i>Women with 1 child</i>			
<i>Year of birth</i>	1.000	1.052***	0.951**
<i>Age at marriage</i>	1.267***	1.307***	1.148***
<i>Years in education</i>			
Ref cat: At the most primary education			
Any secondary education (7-12 years)	0.903***	1.841***	2.590***
Any post-secondary education (13+ yrs)	0.401***	1.748**	3.669***
<i>Employment</i>			
Ever-Employed	0.807***	1.050	1.380
<i>Women with 2 children</i>			
<i>Year of birth</i>	0.963***	0.976*	0.925***
<i>Age at marriage</i>	1.175***	1.186***	1.101***
<i>Years in education</i>			
Ref cat: At the most primary education			
Any secondary education (7-12 years)	0.728***	1.776***	1.427
Any post-secondary education (13+ yrs)	0.304***	1.198	1.638*
<i>Employment</i>			
Ever-Employed	0.686***	0.908	2.194***
<i>Women with 3 children or more</i>			
<i>Year of birth</i>	0.960***	0.871***	0.935***
<i>Age at marriage</i>	1.131***	1.106***	1.081***
<i>Years in education</i>			
Ref cat: At the most primary education			
Any secondary education (7-12 years)	0.385***	0.906	0.658***
Any post-secondary education (13+ yrs)	0.134***	0.396***	0.306***
<i>Employment</i>			
Ever-Employed	0.632***	0.669***	1.255
N (Sample Size)	120375	4524	862

*** p<0.01, ** p<0.05, * p<0.1