

# Ireland 2011

## 1 Survey Description

**Survey:** EU Statistics on Income and Living Conditions household and individual survey (EU-SILC), carried out by the Statistical Office of the European Union, for the 2011

**Link to the document:** <https://www.geis.org/en/missy/metadata/EU-SILC/2011/#IE>

**Sample:** The detail of the sampling design used for this survey is not available for consultation. There are 8,078 individuals in the total sample and 3,238 individuals in the analysis sample. Section 3 of this document describes the prevalence and pattern of missing data.

**Weights:** The weighting method used in this survey is not available for consultation

**Outcome:** The outcome variables are annual equivalized household disposable total (*eq\_iinc*) income in dollars PPP 2017.<sup>1</sup>

**Circumstances:**

- Sex (female, male)
- Country of birth 'Birthplace' (Same country as country of residence, any european country except country of residence or, any other country, described in table 1)
- Fathers's edu. (levels of education, described in Table 2)
- Mother's edu. (levels of education, described in Table 2)
- Father's occ. (11 categories, 10 from 1-Digit ISCO + one category including death/unknown/unemployed, described in Table 3)
- Mother's occ. (11 categories, 10 from 1-Digit ISCO + one category including death-unknown-unemployed, described in Table 3)

---

<sup>1</sup>Income variable was equivalized using the square root scale.

## 2 Descriptive Statistics

Table 1: Respondant's socio-demographics - 2011

	Analysis sample	Total sample
	(N=3,238)	(N=8,078)
<b>Gender</b>		
Mean (SD)	1.58 (0.494)	1.53 (0.499)
Median [Min, Max]	2.00 [1.00, 2.00]	2.00 [1.00, 2.00]
<b>Region of birth</b>		
1 Local	2,553 (78.8%)	6,729 (83.3%)
2 European Union	477 (14.7%)	976 (12.1%)
3 Other	208 (6.4%)	373 (4.6%)

Table 2: Parental education - 2011

	Analysis sample	Total sample
	(N=3,238)	(N=8,078)
<b>Father's education (years)</b>		
0 Unknown	15 (0.5%)	16 (0.2%)
1 None	48 (1.5%)	49 (0.6%)
2 Low	1,858 (57.4%)	2,063 (25.5%)
3 Medium	909 (28.1%)	1,250 (15.5%)
4 High	408 (12.6%)	606 (7.5%)
Missing	0 (0%)	4,094 (50.7%)
<b>Mother's education (levels)</b>		
0 Unknown	2 (0.1%)	2 (0.0%)
1 None	35 (1.1%)	41 (0.5%)
2 Low	1,733 (53.5%)	1,910 (23.6%)
3 Medium	1,116 (34.5%)	1,286 (15.9%)
4 High	352 (10.9%)	421 (5.2%)
Missing	0 (0%)	4,418 (54.7%)

Table 3: Parental occupation - 2011

	Analysis sample	Total sample
	(N=3,238)	(N=8,078)
<b>Father's occupation (ISCO)</b>		
0 Dead/unknown/not working	378 (11.7%)	434 (5.4%)
1 Manager	360 (11.1%)	429 (5.3%)
2 Professional	310 (9.6%)	386 (4.8%)
3 Technician	144 (4.4%)	234 (2.9%)
4 Clerical	83 (2.6%)	114 (1.4%)
5 Service	240 (7.4%)	440 (5.4%)
6 Agriculture	477 (14.7%)	509 (6.3%)
7 Craft/Trades	480 (14.8%)	518 (6.4%)
8 Plant Operator	199 (6.1%)	334 (4.1%)
9 Elementary	488 (15.1%)	594 (7.4%)
10 Armed forces	79 (2.4%)	81 (1.0%)
Missing	0 (0%)	4,005 (49.6%)
<b>Mother's occupation (ISCO)</b>		
0 Dead/unknown/not working	2,235 (69.0%)	2,372 (29.4%)
1 Manager	80 (2.5%)	109 (1.3%)
2 Professional	222 (6.9%)	316 (3.9%)
3 Technician	27 (0.8%)	87 (1.1%)
4 Clerical	165 (5.1%)	336 (4.2%)
5 Service	186 (5.7%)	255 (3.2%)
6 Agriculture	64 (2.0%)	171 (2.1%)
7 Craft/Trades	55 (1.7%)	174 (2.2%)
8 Plant Operator	22 (0.7%)	82 (1.0%)
9 Elementary	182 (5.6%)	340 (4.2%)
Missing	0 (0%)	3,836 (47.5%)

Table 4: Respondant's income - 2011

	N	Mean	SD	Median	Min	Max	Missing
Analysis sample	3,238	29,308	16,482	26,416	833.08	204,640	0
Total sample	8,078	27,599	16,696	24,210	15.83	230,716	25

### 3 Missing data analysis

#### 3.1 Missing patterns

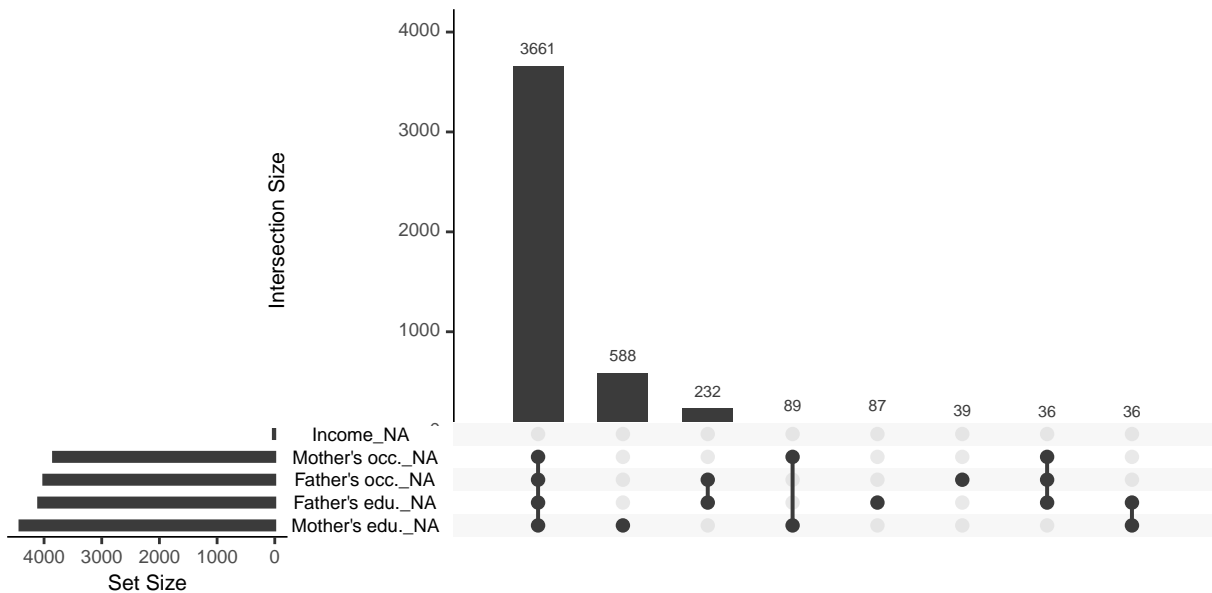


Figure 1: Missing patterns: *Left*: Marginal distribution of missing observations per variable. *Right*: Combination of missingness across cases

#### 3.2 Differences in expected total equivalized household income between samples

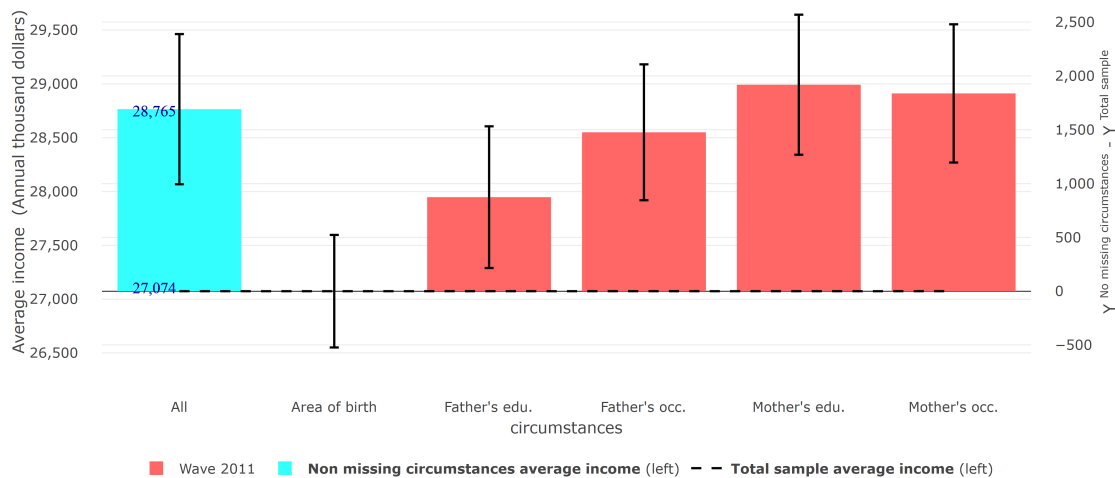


Figure 2: Differences in expected total equivalized household income between the sample with non-missing circumstances and the total sample

### 3.3 Gini coefficient

Table 5: Gini coefficient in analysis sample and total sample

Wave	Sample	Gini	Lower bound	Upper bound	Average income
Wave 2011	Analysis sample	0.291	0.287	0.31	28,765
Wave 2011	Total sample	0.299	0.293	0.31	27,074

### 3.4 Differences in Gini coefficient between samples

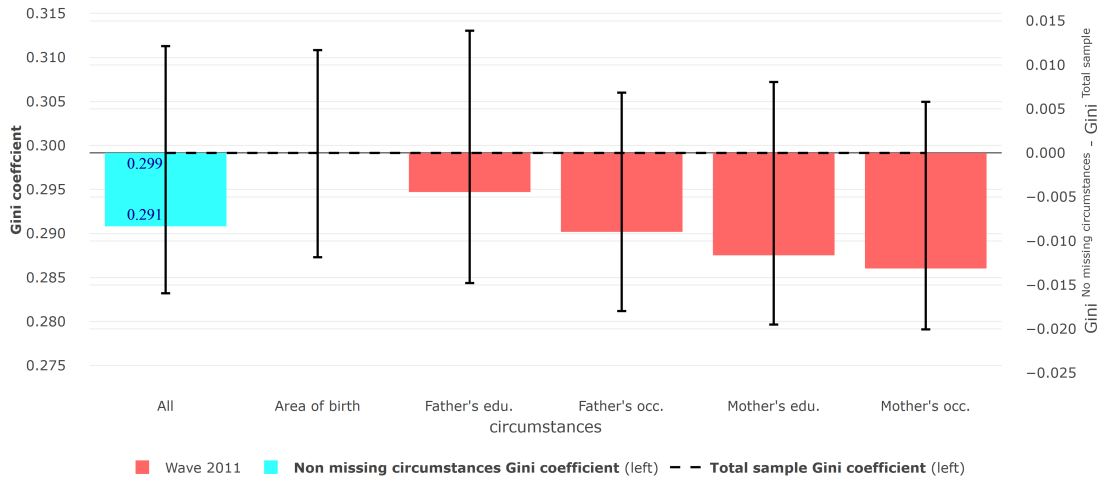


Figure 3: Differences in Gini coefficient between the sample with non-missing circumstances and the total sample