

Peru 2001

1 Survey Description

Survey: Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza (ENAHO), carried out by the National Institute of Statistics and Informatics (INEI) of Peru, for the year 2001.

Link to the document: http://webinei.inei.gob.pe/anda_inei/index.php/catalog/272

Sample: The survey was conducted between January and December 2001. The ENAHO collects information from 24 states (18,824 households and 74,644 individuals) and is nationally representative. The sample considered is restricted to adult individuals aged 19 to 59 with information about outcome and circumstances (28,042 individuals). Section 3 of this document describes the prevalence and pattern of missing data., 43,132 individuals in the total sample and 31,648 individuals in the analysis sample. Section 3 of this document describes the prevalence and pattern of missing data.

Weights: The weights are the inverse of the probability that the observation is included because of the sampling design. It could be understood as the number of individuals in the population that an individual represents in the sample according to the 1999 Population Census and demographic projections (*weights*).

Outcome: The outcome variables are annual equivalized household disposable total (*eq_iinc*) income in dollars PPP 2017.¹

Circumstances:

- Sex (female, male)
- Race 'Ethnicity' (indigenous, afro-descendant and others, described in Table 1)
- Region of birth 'Birthplace' (25 provinces, described in Table 1)
- Father's edu. (years of education (maximum 15), described in Table 2)
- Mother's edu. (years of education (maximum 15), described in Table 2)

¹Income variable was equivalized using the square root scale.

2 Descriptive Statistics

Table 1: Respondant's socio-demographics - 2001

	Analysis sample	Total sample
	(N=31,648)	(N=43,132)
Gender		
0 Female	15,908 (50.3%)	21,979 (51.0%)
1 Male	15,740 (49.7%)	21,153 (49.0%)
Ethnicity		
1 White	636 (2.0%)	930 (2.2%)
2 Mix-race	17,966 (56.8%)	23,777 (55.1%)
3 Indigenous	12,489 (39.5%)	15,801 (36.6%)
4 Afro-descendant	320 (1.0%)	463 (1.1%)
5 Other	237 (0.7%)	368 (0.9%)
Missing	0 (0%)	1,793 (4.2%)
Region of birth		
1 Amazonas-San Martin-Ucayali	2,210 (7.0%)	2,961 (6.9%)
2 Anchash	1,667 (5.3%)	2,290 (5.3%)
3 Apurimac	1,098 (3.5%)	1,356 (3.1%)
4 Arequipa	1,040 (3.3%)	1,545 (3.6%)
5 Ayacucho	1,316 (4.2%)	1,675 (3.9%)
6 Cajamarca	2,601 (8.2%)	3,336 (7.7%)
7 Cusco-Madre de Dios	594 (1.9%)	812 (1.9%)
8 Huancavelica	1,784 (5.6%)	2,307 (5.3%)
9 Huánuco	1,217 (3.8%)	1,562 (3.6%)
10 Ica	1,278 (4.0%)	1,681 (3.9%)
11 Junin-Pasco	1,903 (6.0%)	2,462 (5.7%)
12 La Libertad	1,542 (4.9%)	2,056 (4.8%)
13 Lambayeque	1,787 (5.6%)	2,368 (5.5%)
14 Lima	1,342 (4.2%)	1,917 (4.4%)
15 Callao	3,308 (10.5%)	4,871 (11.3%)
16 Loreto	1,445 (4.6%)	2,036 (4.7%)
17 Moquegua-Tacna	891 (2.8%)	1,275 (3.0%)
18 Piura-Tumbes	2,627 (8.3%)	3,819 (8.9%)
19 Puno	1,998 (6.3%)	2,735 (6.3%)
Missing	0 (0%)	68 (0.2%)

Table 2: Parental education - 2001

	N	Mean	SD	Median	Min	Max	Missing
Analysis sample - Mother's edu	31,648	3.801	4.269	3	0	15	0
Analysis sample - Father's edu	31,648	5.206	4.527	3	0	15	0
Total sample - Mother's edu	43,132	3.883	4.325	3	0	15	7,903
Total sample - Father's edu	43,132	5.237	4.546	3	0	15	10,239

Table 3: Respondant's income - 2001

	N	Mean	SD	Median	Min	Max	Missing
Analysis sample	31,648	5,806	7,715	3,851	1.57	426,680	0
Total sample	43,132	6,020	7,911	4,005	1.57	426,680	0

3 Missing data analysis

3.1 Missing patterns

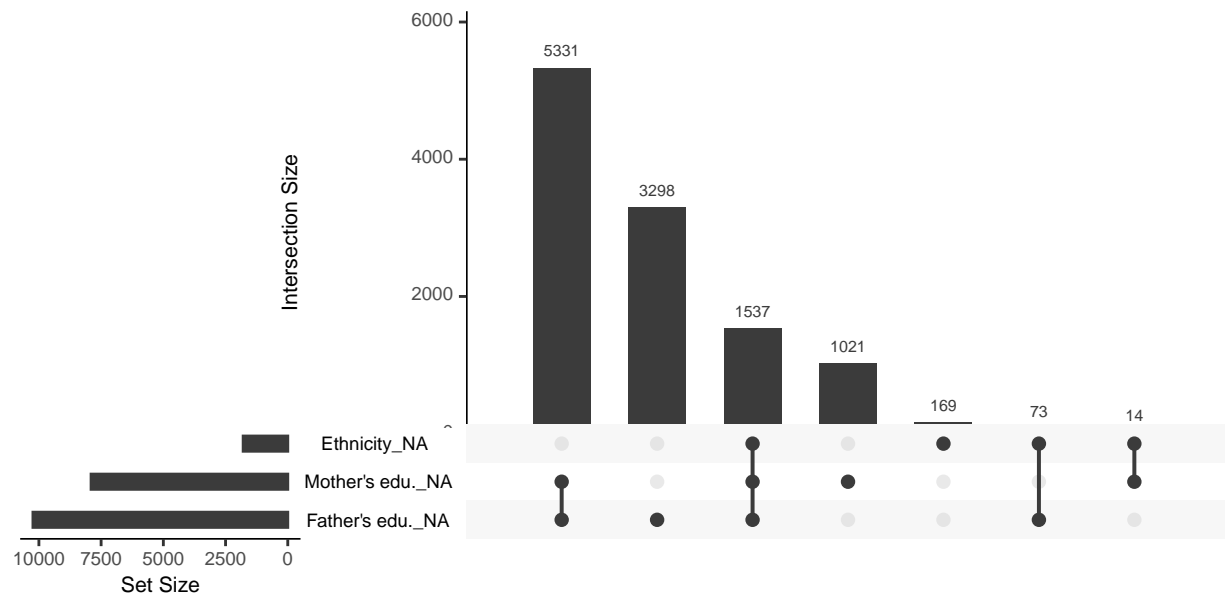


Figure 1: Missing patterns: *Left:* Marginal distribution of missing observations per variable. *Right:* Combination of missingness across cases

3.2 Differences in expected total equivalized household income between samples

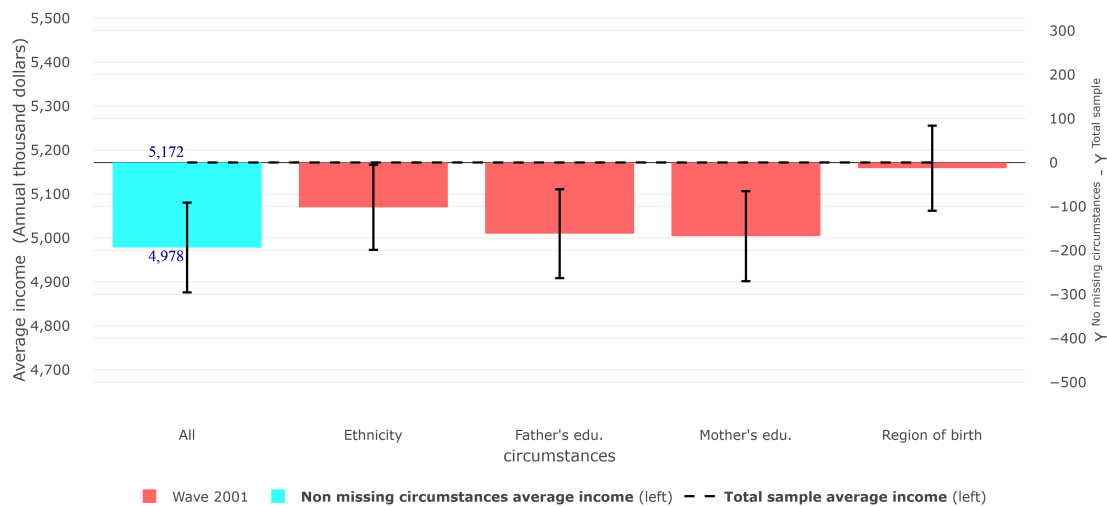


Figure 2: Differences in expected total equivalized household income between the sample with non-missing circumstances and the total sample

3.3 Gini coefficient

Table 4: Gini coefficient in analysis sample and total sample

Wave	Sample	Gini	Lower bound	Upper bound	Average income
Wave 2001	Analysis sample	0.495	0.479	0.495	4,978
Wave 2001	Total sample	0.494	0.481	0.495	5,172

3.4 Differences in Gini coefficient between samples

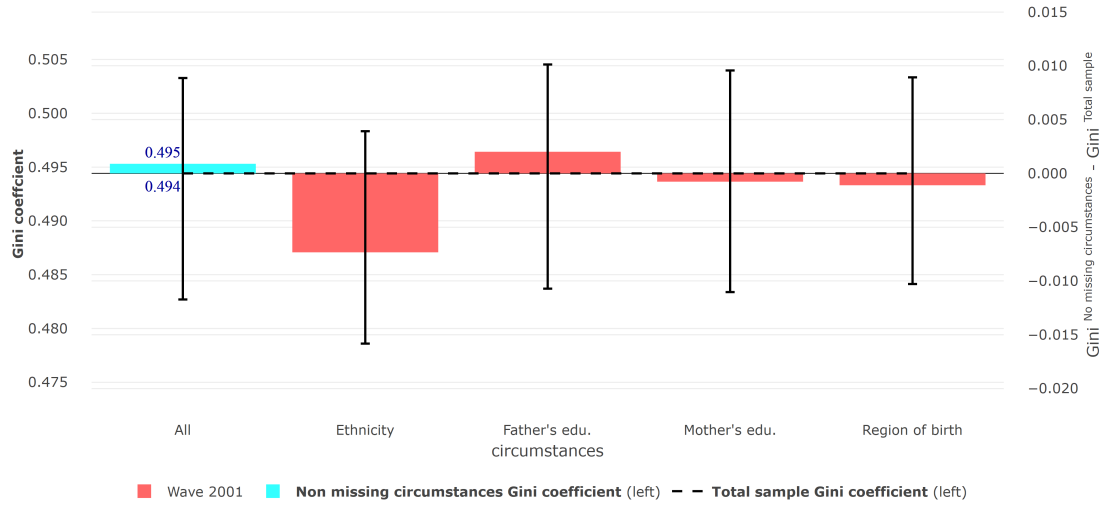


Figure 3: Differences in Gini coefficient between the sample with non-missing circumstances and the total sample