

COD-PS El Salvador

Update Year 2023 / Reference Year 2023

Objective of This Explanatory Technical Note

This explanatory technical note provides supplementary notes on the strengths and limitations of each Common Operational Dataset on Population Statistics (COD-PS) against the projections by the WPP 2022 Revision of the UN to enable informed humanitarian decision-making.

Structure of Supplementary Note

This supplementary note is organized into the following sections:

1. Metadata
2. Methodological Documentation
3. Intrinsic Population Growth Rates (ADM-0 & 1)
4. Population counts by age and sex (ADM-0)
5. Relative population size by age and sex (ADM-1)

1. Metadata

Item	Metadata
Country	El Salvador
Source(s)	DIGESTYC El Salvador
Source(s) Link(s)	http://www.digestyc.gob.sv/index.php/temas/des/poblacion-y-estadisticas-demograficas/proyecciones-de-poblacion/acerca-de.html
Population Data Type (Census enumeration, Direct estimate, or Population projection)	Population projection
Baseline Population Year	2007
COD-PS Reference Year	2023
COD-PS Publication Year	2023
ADM-1 Name	Departamento
ADM-1 Number of Units	14
ADM-1 Sex and Age Disaggregation	Sex and age disaggregated by 5-year age groups
ADM-1 Open-ended Age Group	80+

Item	Metadata
ADM-2 Name	Municipio
ADM-2 Number of Units	262
ADM-2 Sex and Age Disaggregation	Sex and age disaggregated by 5-year age groups
ADM-2 Open-ended Age Group	80+
ADM-3 Name	N/A
ADM-3 Number of Units	N/A
ADM-3 Sex and Age Disaggregation	N/A
ADM-3 Open-ended Age Group	N/A
General Notes	While the baseline population is quite outdated, i.e. 2007 census, the El Salvador NSO used post-2007 data from the national CRVS and other administrative data from health, education, and migration monitoring registries to build the projections for 2020-2025.
Data Limitations	The baseline population is still quite outdated, i.e. 2007 census, and while the use of various administrative data to estimate and project the population counts is the best option when census is not possible, the quality of the administrative data used in this process is not well known.
COD-PS Demographic Data Quality Assessment	The COD-PS was assessed against ADM-0 estimates and projections published by the World Population Prospects (2022 Revision), and found to be generally consistent at the ADM-0 and ADM-1 level.

2. Methodological Documentation

Item	Methodological Documentation
Methodology Used	Cohort component method was applied to the 2007 census to produce postcensal projections on which this COD-PS is based. The national-level (ADM-0) projections were built bottom up from aggregating the ADM-1 projections while the municipal-level (ADM-2) projections were built using logistic growth models.
Baseline Population	2007 census
Post-enumeration survey (PES)	No records of PES can be found online.
Assessment and Adjustment of the Baseline Population	The past censuses from 1950 to 2007 were combined and reconciled with each other to establish historical trends. Then, the best available

Item	Methodological Documentation
	administrative data were used on top to build estimations and projection in the absence of a census after 2007.
Fertility (births)	Historical trends from 1950-2007 were combined with the latest data from the Ministry of Health and CRVS to project forward fertility scenarios. The El Salvador NSO website remains down, therefore further technical details could not be retrieved.
Mortality (deaths)	Historical trends from 1950-2007 were combined with the latest data from the Ministry of Health and CRVS to project forward mortality scenarios. The El Salvador NSO website remains down, therefore further technical details could not be retrieved.
International migration (net migration)	International migration scenarios were built from migration monitoring registry database. The El Salvador NSO website remains down, therefore further technical details could not be retrieved.
Internal migration (migration within country)	Internal migration scenarios were built from migration monitoring registry database. The El Salvador NSO website remains down, therefore further technical details could not be retrieved.

3. Intrinsic Population Growth Rates (ADM-0 & 1)

At ADM-0, the implied postcensal (2007-2023) population growth rates of this COD-PS (0.23% per year: female: 0.32%, male 0.15%) are generally lower than the UN's population projections published in the World Population Prospects (WPP) 2022 Revision (2008: 0.39%, 2013: 0.39%, 2019: 0.22%, 2022: 0.39%).

Since the last census, the NSO projects the highest population growth rates for the regions of Cuscatlán, La Libertad, and Ahuachapán (0.76%, 0.76%, 0.70%). In contrast, the NSO projects the lowest population growth rates for the regions of La Unión, Chalatenango, and Cabañas (-0.73%, -0.66%, -0.09%, respectively).

ADM-1	Last Census, Female	Last Census, Male	CODPS, Female	CODPS, Male	PGR(%), Female	PGR(%), Male	PGR(%), Both
Ahuachapán	169,301	159,733	189,964	177,847	0.72	0.67	0.70
Cabañas	81,977	73,778	81,323	72,248	-0.05	-0.13	-0.09
Chalatenango	104,081	93,722	95,347	82,819	-0.55	-0.77	-0.66
Cuscatlán	123,197	113,804	140,154	127,643	0.81	0.72	0.76
La Libertad	372,163	339,156	426,770	377,163	0.86	0.66	0.76
La Paz	167,151	157,242	188,422	171,123	0.75	0.53	0.64
La Unión	135,236	120,729	124,165	104,221	-0.53	-0.92	-0.73
Morazán	98,407	89,040	102,140	92,147	0.23	0.21	0.22

ADM-1	Last Census, Female	Last Census, Male	CODPS, Female	CODPS, Male	PGR(%), Female	PGR(%), Male	PGR(%), Both
San Miguel	243,405	219,948	247,803	216,368	0.11	-0.10	0.00
San Salvador	905,797	784,799	940,769	789,680	0.24	0.04	0.14
San Vicente	88,195	81,555	90,813	83,880	0.18	0.18	0.18
Santa Ana	291,544	267,468	297,770	262,738	0.13	-0.11	0.01
Sonsonate	243,962	221,287	267,133	239,549	0.57	0.50	0.53
Usulután	184,474	167,465	186,488	162,394	0.07	-0.19	-0.06
Total	3,208,890	2,889,726	3,379,061	2,959,820	0.32	0.15	0.23

4. Population Counts by age and sex (ADM-0)

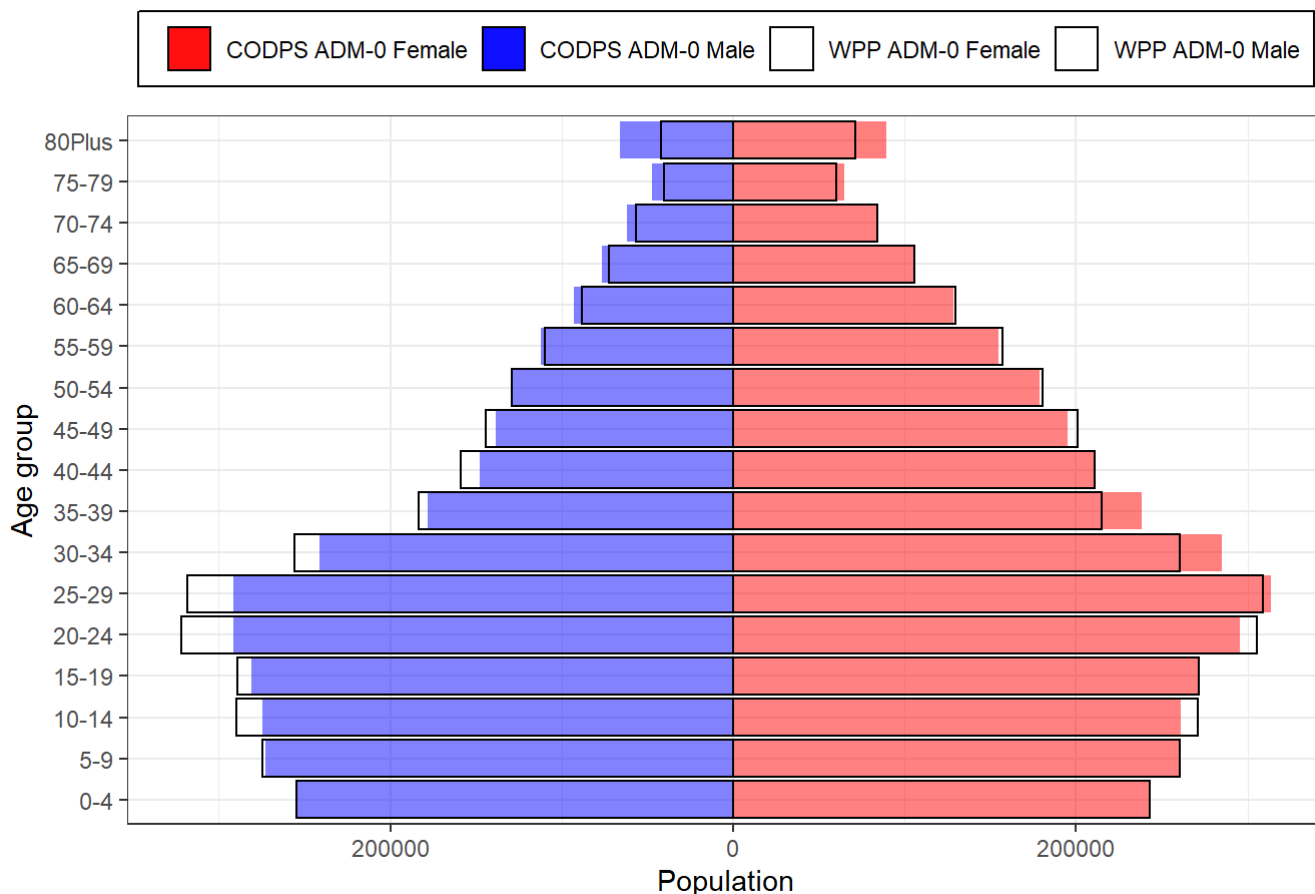
Below, we compare the population structure across sex and age groups between the COD-PS and WPP projections at the national level.

The age- and sex-specific population counts of this COD-PS at the national level generally follow the WPP 2022 Revision projections. But, noticeable differences are found in two age groups where the NSO projections are lower than WPP projections: male 20-24 years (-9.42%) and male 20-24 years (-8.37%). Given that the NSO projections, on which this COD-PS is based, are built using recent national administrative data, this difference in projections may reflect either the labour migration of young men or the dynamics of violence, or possibly both.

	CODPS-WPP, Female	Difference(%)	CODPS-WPP, Male	Difference(%)
0-4	524	0.22	598	0.24
5-9	-573	-0.22	-1,676	-0.61
10-14	-9,638	-3.56	-14,950	-5.16
15-19	-860	-0.32	-8,688	-3.00
20-24	-10,204	-3.34	-30,323	-9.42
25-29	5,006	1.62	-26,643	-8.37
30-34	24,472	9.40	-14,978	-5.85
35-39	23,588	10.98	-5,152	-2.81
40-44	-576	-0.27	-11,224	-7.06
45-49	-5,755	-2.86	-5,924	-4.10
50-54	-1,338	-0.74	592	0.46
55-59	-2,746	-1.75	2,428	2.21
60-64	-1,042	-0.80	4,772	5.40

	CODPS-WPP, Female	Difference(%)	CODPS-WPP, Male	Difference(%)
65-69	-524	-0.50	4,368	6.04
70-74	592	0.70	5,372	9.45
75-79	4,648	7.72	7,215	17.94
80Plus	18,387	25.84	24,192	57.67

WPP ADM-0 vs CODPS ADM-0



5. Relative population size by age and sex (ADM-1)

Below, we compare the relative population proportions for 5-year age groups by sex between the CODPS ADM-1 projections and the WPP ADM-0 projection.

At ADM-1, two distinct patterns are observed. Compared to the WPP ADM-0 projections, this COD-PS projects relatively higher proportions of working-age adults but lower proportions of children for the two economically well-developed central departments San Salvador and La Libertad. In contrast, this COD-PS projects the opposite for the northern and eastern departments of Cabañas, Chalatenango, La Unión, Morazán, and Usulután.

