

SF2.5. Childlessness

Definitions and methodology

The postponement of parenthood over the last decades, which can be gleaned from the declining percentage of childless women at different points over the life-cycle, has increased the probability for adults to remain childless. However, the extent to which childlessness has contributed to the decline in fertility rates remains a little unclear. *Definitive childlessness* can only be assessed at the end of the reproductive period, which for women is usually between ages 45 and 49, but relevant information can also be found across different cohorts of women.

Table SF2.5.A presents data on the proportion of women that are childless at age 40-44 or around for the mid-1990s and 2010 or the latest year available. Data are not available for all countries, and where they are available sometimes differ in the year of reference or the exact age of the women examined. Nonetheless, these data provide at least some indication as to the level of and variations in childlessness at around 40-44 across OECD countries.

Data on women for whom the reproductive period has ended are available for the cohort of women born in 1965 or before (Chart SF2.5.B). Chart SF2.5.C compares levels of definitive childlessness with information on completed fertility rates (SF2.1).

Key findings

The proportion of women aged 40-44 or around that are childless varies considerably across OECD countries (Table SF2.5.A). In some OECD countries, including Austria, Spain and the United Kingdom, 20% or more of women aged 40-44 or around are childless. In others, by contrast, rates are lower than 10%. Rates of childless at or around age 40-44 are particularly low in the South or Central American OECD countries – with the rate in Chile in 2002 only 7.72% and in Mexico in 2010 only 8.55% – and particularly also in Turkey, where as late as 2008 only 4.5% of women aged 40-44 were childless.

Rates of childless at age 40-44 or around are increasing in most of those OECD countries where data are available for both time points (Table SF2.5.A). In many cases the size of changes are not directly comparable across countries because of differences in the years of reference and in some cases also definitions. Nonetheless, in Finland for example, the proportion of 40-44 women that are childless increased by over 5 percentage points between 1990 and 2010, while in the United Kingdom rates of childlessness for women aged 45 increased by 6 percentage points between 1995 and 2010. Only four OECD countries (Chile, Luxembourg, Slovenia and Turkey) with available data see the rate of childlessness fall between their two time points, with the decrease in Luxembourg (from 19% in 1991 to 15% in 2001) particularly large.

Chart SF2.5.B shows how the proportion of childlessness among women at the end of the reproductive period – that is, ‘definitive childlessness’ – differs across countries and across time. At above 18% on average for the cohort born in 1965, definitive childlessness among women is highest in Austria, England and Wales, Finland, Germany, Ireland, Italy, and the Netherlands. For the same cohort, definitive childlessness is below 10% in the Czech republic, Hungaria, Portugal and Slovenia. Trends show that for the cohorts born after the 1920s, childlessness first decreased in most countries and started to increase for cohorts born after WWII.

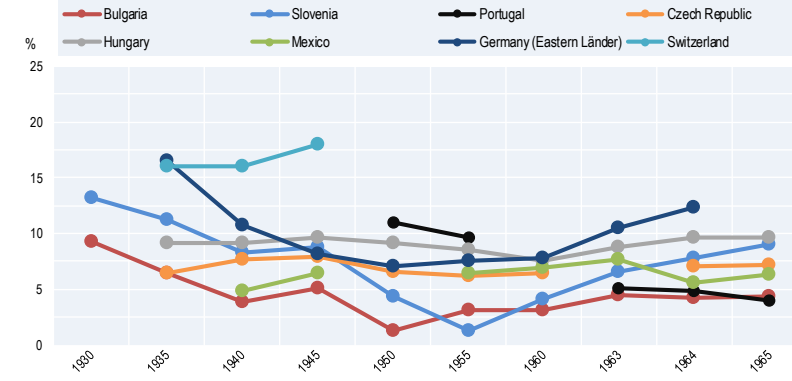
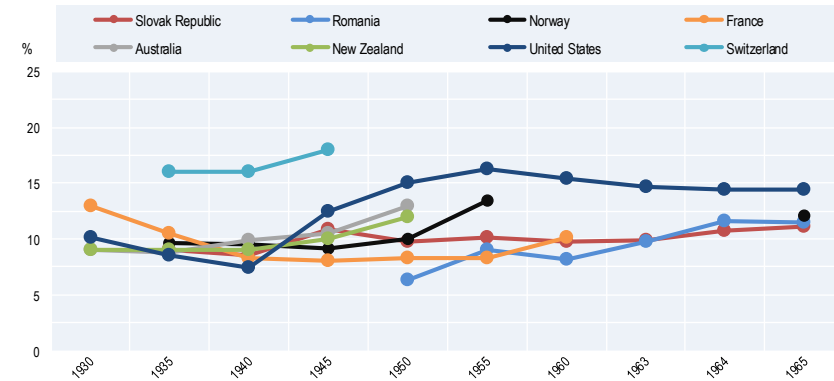
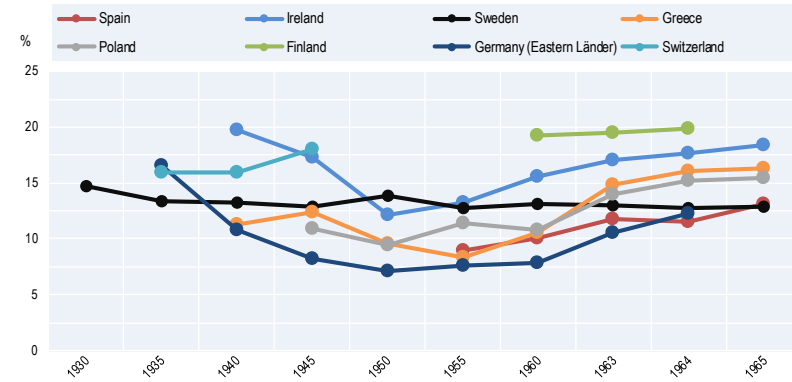
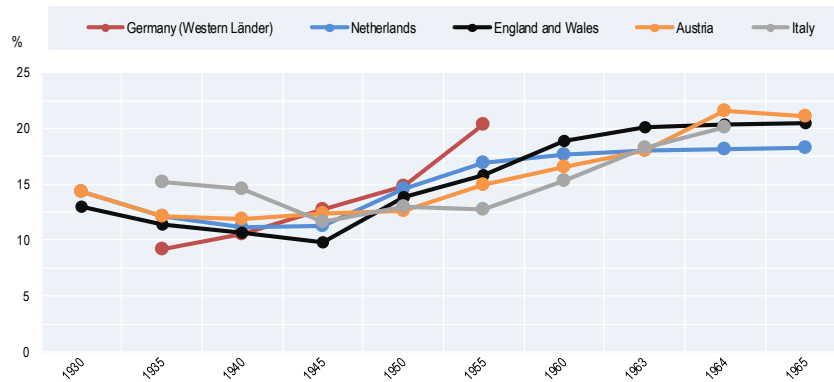
Other relevant indicators: Family size and composition (SF1.1); Fertility rates (SF2.1); Mean age of mother at first childbirth (SF2.3) and Share of births outside marriage (SF2.4)
--

Table SF2.5.A. Childless women at age 40-44^a, mid-1990s and 2010 (or latest available year)
 Proportion (%) of women aged 40-44 who have not had a live birth

	mid-1990s		2010 (or latest year)	
	%	Reference year	%	Reference year
Australia	12.80	1996	16.00	2011
Austria	7.60	1996	21.54	2010
Belgium	..	..	..	..
Canada	15.90	1991	18.94	2007
Chile	7.90	1992	7.72	2002
Czech Republic	4.90	1997	7.10	2011
Denmark	..	..	..	..
Estonia	9.40	1989	10.20	2011
Finland	14.60	1990	19.89	2010
France	7.70	1994	..	..
Germany	..	..	..	..
Greece	..	..	..	..
Hungary	8.50	1990	12.00	2011
Iceland	..	..	..	..
Ireland	..	..	19.00	2011
Israel	..	..	10.82	2008
Italy	10.50	1996	..	..
Japan	..	..	..	..
Korea	3.60	1990	6.78	2005
Luxembourg	19.00	1991	15.42	2001
Mexico	7.00	1990	8.55	2010
Netherlands	15.00	1993	..	..
New Zealand	11.90	1996	15.00	2006
Norway	..	..	..	..
Poland	6.10	1991	..	..
Portugal	8.10	1997	..	..
Slovak Republic	..	..	10.00	2011
Slovenia	9.40	1991	7.00	2002
Spain	..	..	21.60	2011
Sweden	..	..	13.40	2010
Switzerland	20.40	1995	..	..
Turkey	5.40	1990	4.50	2008
UK (England and Wales)	14.00	1995	20.00	2010
United States	17.50	1995	18.80	2010
Bulgaria	8.20	1998	11.70	2011
Croatia	9.40	1991	9.40	2001
Cyprus	..	..	..	..
Latvia	6.90	1995	8.70	2000
Lithuania	12.20	1995	8.40	2011
Malta	14.10	1995	12.90	2010
Romania	9.70	1992	10.50	2002

a) Data for Austria (2010), Canada (2010) and Switzerland (2010) refer to women aged 45 and for the Netherlands (mid-1990s) to women aged 40 to 42.
 Sources: D'Addio and Mira d'Ercole (2005), Miettinen et al (2015), [United Nations World Fertility Data 2012](#), [United Nations World Fertility Report 2013](#)

Chart SF2.5.A Definitive childlessness
 Proportion (%) of definitive childless women per cohort

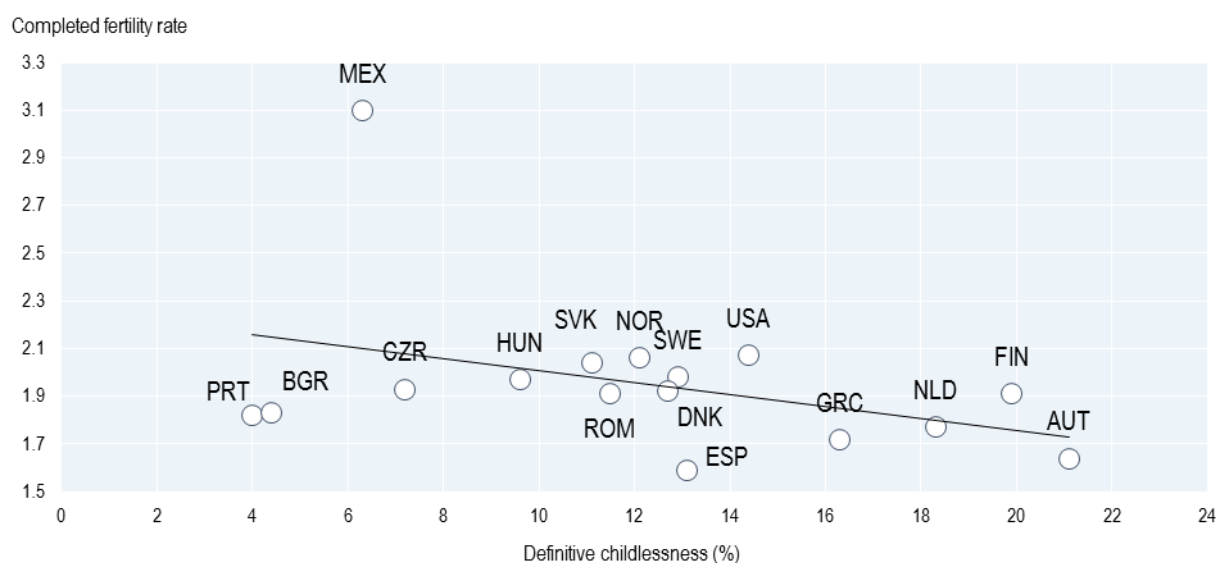


Source: Observatoire Démographique Européen (Sardon, 2006) and Rowland (2007). Mexico: INEGI. XI and XII Censuses of Population and Housing and Count of Population and Housing 2005 for cohorts born before 1960. Data refers to women 45 years old. For cohorts born after 1960, Encuesta Nacional de la Dinamica Demografica 2006.

Childlessness is one of the factors explaining the differences in the completed fertility rates for a given cohort of women. Chart SF2.5.C for women born in 1965 shows that in countries with comparatively high rates of definitive childlessness (at well over 15% of the women age over 45) completed fertility rates are often below 1.8 children per woman (Finland is the exception). Spain is a country with both a low level of childlessness and low completed fertility rates for the cohort of women born in 1965, which points to a relatively high proportion of families with one child (see indicator SF1.2).

Chart SF2.5.B Definitive childlessness and completed fertility rates

Proportion (%) of cohort that are definitive childless and completed fertility rates of women born in 1965^a



a) for the Czech Republic and Finland, data on childlessness refers to 1964.

Sources: for definitive childlessness: Observatoire Démographique Européen (Sardon, 2006) and Rowland (2007); Mexico: INEGI. XI and XII Censuses of Population and Housing and Count of Population and Housing 2005 for cohorts born before 1960. Data refers to women 45 years old. For cohorts born after 1960, Encuesta Nacional de la Dinamica Demografica 2006. For completed fertility rates: for European countries, Eurostat Demographic Statistics; for all other countries, national statistical offices.

Comparability and data issues

To consider whether or not childlessness prevails at the end of a female's reproductive life, information on women born in 1965 at the latest is required (as observed in 2010 or around). For younger cohorts, it is impossible to discern whether childlessness is a permanent or transitory feature. Ideally, a closer look to cohort changes in the age- and parity-specific probability of having a child would allow going further in the assessment of transitory nature of childlessness and timing of births over the life course. Such rates, based on longitudinal data, are however not yet available in a standardized cross-nationally comparable format.

Labour surveys provide cross-sectional and cross-national data on the percentage of women who live in a household without at least one own child. Table SF2.5.B provides such information for women aged 30 to 49 years of age along five-year age groups. These data are different from data on childlessness in that not only do they include women who have never given birth, but also cover mothers whose child has grown up and left the parental home. When compared to the data on childless above, these data are likely subject to an upward bias which increases with the age of women. Thus, the decrease in the proportion of women living in a childless household from age 30-34 to 40-44 reflects the higher propensity of having

children with age. The upward tick from the early-40s to age 45-49 is related to the propensity of children to leave the parental home.

The proportion of women aged 30-34 living in a household without own children appears to be particularly high (over 45%) in Belgium, Germany, and – with the exception of Portugal – the Southern European OECD countries (Italy, Spain and especially Greece). In all of these countries the proportion of women living in a household without at least one own child falls as women enter the 35-39 year old and 40-44 year old age groups as women tend to have children in the mid-to-late 30s, although Italy and Spain are the only countries where the proportion falls across all four age groups. At around 30%, the proportion of women in their early 40s who live in a household without own children is highest in Belgium and Germany, but is also fairly high (at around or just under 25%) in Austria, Greece, Italy, Spain and the United Kingdom. By and large, this echoes the high levels of childlessness seen in these countries in one or both of Table SF2.5.A and Chart SF2.5.A.

Table SF2.5.B. Women living without own children, 2013

Proportion (%) of women without at least one own child in the same household, by age group

	% of women aged:			
	30-34	35-39	40-44	45-49
Austria	42.02	26.53	24.70	30.90
Belgium	48.52	34.41	31.81	33.58
Czech Republic	25.06	13.68	14.33	28.74
Denmark				
Germany	45.71	29.37	28.22	37.15
Estonia	22.69	10.42	13.60	31.50
Finland				
France	29.80	18.13	17.98	24.60
Greece	51.39	28.74	23.13	27.44
Hungary	39.08	21.79	16.72	19.86
Ireland	37.50	21.10	17.34	21.94
Italy	46.28	30.93	24.49	23.57
Luxembourg	44.17	27.79	21.74	24.45
Netherlands	37.31	23.96	22.31	24.65
Poland	25.85	16.64	14.95	22.73
Portugal	37.79	21.50	16.52	18.46
Slovenia	31.21	19.40	17.43	19.79
Slovak Republic	31.13	17.55	14.42	24.54
Spain	48.53	30.71	22.80	22.30
Sweden				
United Kingdom	33.28	24.00	23.83	32.33
Bulgaria	31.33	21.55	25.56	37.30
Cyprus (a,b)	41.23	29.65	25.75	25.83
Latvia	44.12	36.08	44.08	50.77
Lithuania	17.63	14.37	18.86	30.86
Romania	31.50	16.66	17.00	21.31

a) Footnote by Turkey: The information in this document with reference to « Cyprus » relates to the southern part of the Island. There is no single authority representing both Turkish and Greek Cypriot people on the Island. Turkey recognizes the Turkish Republic of Northern Cyprus (TRNC). Until a lasting and equitable solution is found within the context of United Nations, Turkey shall preserve its position concerning the "Cyprus issue";

b) Footnote by all the European Union Member States of the OECD and the European Commission: The Republic of Cyprus is recognized by all members of the United Nations with the exception of Turkey. The information in this document relates to the area under the effective control of the Government of the Republic of

Cyprus.

Source: for all countries, EU-LFS

Sources and further reading: D'Addio, A.C and M. Mira d'Ercole (2005), "Trends and Determinants of Fertility Rates in OECD Countries: the Role of Policies", OECD Social, Employment and Migration Working Paper, No. 27, Paris; Neyer G. and J. Hoem (2007), "Education and permanent childlessness: Austria vs. Sweden" , in Surkyn, J., P. Deboosere and J. van Bavel, *Demographic challenges for the 21st century: a state of the art in demography*, VUBPRESS, Brussel; Rowland D. (2007), "Historical Trends in Childlessness, *Journal of Family Issues*, 28(10), pp. 1311-37; Sardon JP. (2006), "Recent demographic Trends in Developed Countries", *Population*, E-61(3), pp. 225-300; Sobotka T. (2005), "Childless societies? Trends and projections of childlessness in Europe and the United States", Population American Association Conference; United Nations (2013), "World Fertility Report 2013: Fertility at the Extremes", United Nations Department of Economic and Social Affairs; Miettinen, A., A. Rotkirch, I. Szalma, A. Donno and M. Tanturri (2015) "Increasing childlessness in Europe: time trends and country differences" Families and Societies Working Paper Series, no.33(2015).