

First demographic estimates for 2007

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POPULATION AND SOCIAL CONDITIONS

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Table 1: Population change in 2007 (nowcasts)

COUNTRY	Population 1.1.2007	Live births	Deaths	Natural change	Net migration	Total change	Population 1.1.2008	Crude birth rate	Crude death rate	Crude natural change rate	Crude net migration rate	Crude total change rate
	(thousands)							(per thousand)				
EU-27	495 128.5	5 238.9	4 816.4	422.5	1 647.7	2 070.2	497 198.7	10.6	9.7	0.9	3.3	4.2
EU-25	465 884.1	4 954.7	4 449.9	504.7	1 781.4	2 286.2	468 170.3	10.6	9.5	1.1	3.8	4.9
EA-15	319 589.9	3 313.0	2 959.6	353.4	1 535.1	1 888.4	321 478.3	10.3	9.2	1.1	4.8	5.9
EA-13	318 403.4	3 300.5	2 951.1	349.5	1 518.6	1 868.1	320 271.5	10.3	9.2	1.1	4.8	5.8
EA-12	316 393.0	3 281.4	2 932.5	348.9	1 506.9	1 855.8	318 248.8	10.3	9.2	1.1	4.7	5.8
EFTA	12 532.7	137.0	104.1	32.9	79.9	112.8	12 645.5	10.9	8.3	2.6	6.3	9.0
<i>EU Member States</i>												
Belgium	10 584.5	121.5	102.7	18.7	57.5	76.2	10 660.8	11.4	9.7	1.8	5.4	7.2
Bulgaria	7 679.3	73.3	113.7	-40.5	-33.8	-74.2	7 605.1	9.6	14.9	-5.3	-4.4	-9.7
Czech Republic	10 287.2	113.7	102.5	11.2	47.5	58.7	10 345.9	11.0	9.9	1.1	4.6	5.7
Denmark	5 447.1	63.6	55.5	8.1	24.5	32.6	5 479.7	11.6	10.2	1.5	4.5	6.0
Germany	82 314.9	675.0	826.8	-151.8	37.0	-114.7	82 200.2	8.2	10.1	-1.8	0.4	-1.4
Estonia	1 342.4	15.8	17.6	-1.8	-2.0	-3.8	1 338.6	11.8	13.1	-1.3	-1.5	-2.8
Ireland	4 314.6	65.4	27.5	37.9	62.2	100.2	4 414.8	15.0	6.3	8.7	14.3	22.9
Greece	11 171.7	109.5	105.0	4.5	40.5	45.0	11 216.7	9.8	9.4	0.4	3.6	4.0
Spain	44 474.6	484.7	386.6	98.2	684.9	783.1	45 257.7	10.8	8.6	2.2	15.3	17.5
France	63 392.1	834.2	547.2	286.9	100.0	386.9	63 779.1	13.1	8.6	4.5	1.6	6.1
<i>of which, Metropolitan France</i>	<i>61 538.3</i>	<i>801.5</i>	<i>530.6</i>	<i>270.9</i>	<i>100.0</i>	<i>370.9</i>	<i>61 909.2</i>	<i>13.0</i>	<i>8.6</i>	<i>4.4</i>	<i>1.6</i>	<i>6.0</i>
Italy	59 131.3	565.5	572.9	-7.4	454.5	447.1	59 578.4	9.5	9.7	-0.1	7.7	7.5
Cyprus	778.7	8.6	5.5	3.1	14.6	17.7	796.3	10.9	7.0	3.9	18.5	22.4
Latvia	2 281.3	22.9	33.2	-10.3	-1.9	-12.2	2 269.1	10.1	14.6	-4.5	-0.8	-5.4
Lithuania	3 384.9	31.9	45.6	-13.7	-5.7	-19.4	3 365.4	9.5	13.5	-4.1	-1.7	-5.8
Luxembourg	476.2	5.3	3.6	1.7	4.3	6.0	482.2	11.1	7.6	3.5	9.0	12.5
Hungary	10 066.2	97.1	134.0	-36.9	17.0	-19.9	10 046.3	9.7	13.3	-3.7	1.7	-2.0
Malta	407.8	3.9	3.1	0.8	1.9	2.7	410.5	9.6	7.6	2.0	4.6	6.6
Netherlands	16 358.0	181.2	131.3	49.9	-5.8	44.1	16 402.0	11.1	8.0	3.0	-0.4	2.7
Austria	8 298.9	74.5	74.2	0.2	28.1	28.3	8 327.2	9.0	8.9	0.0	3.4	3.4
Poland	38 125.5	382.2	373.4	8.8	-138.1	-129.3	37 996.2	10.0	9.8	0.2	-3.6	-3.4
Portugal	10 599.1	105.7	106.2	-0.5	34.5	33.9	10 633.0	10.0	10.0	-0.1	3.2	3.2
Romania	21 565.1	211.0	252.7	-41.8	-100.0	-141.8	21 423.4	9.8	11.8	-1.9	-4.7	-6.6
Slovenia	2 010.4	19.1	18.6	0.5	11.7	12.3	2 022.6	9.5	9.2	0.3	5.8	6.1
Slovakia	5 393.6	53.4	53.9	-0.5	5.6	5.1	5 398.8	9.9	10.0	-0.1	1.0	0.9
Finland	5 277.0	59.0	48.4	10.6	9.3	19.9	5 296.8	11.2	9.1	2.0	1.7	3.8
Sweden	9 113.3	106.6	90.7	15.9	52.5	68.4	9 181.7	11.7	9.9	1.7	5.7	7.5
United Kingdom	60 852.8	754.4	584.0	170.4	247.0	417.5	61 270.3	12.4	9.6	2.8	4.0	6.8
<i>EU candidate countries</i>												
Croatia	4 441.2	42.0	53.6	-11.7	5.8	-5.9	4 435.4	9.5	12.1	-2.6	1.3	-1.3
Former Yug. Rep. of Macedonia	2 041.9	21.9	19.5	2.5	-5.3	-2.9	2 039.1	10.7	9.5	1.2	-2.6	-1.4
Turkey	:	:	:	:	:	:	:	:	:	:	:	:
<i>EFTA countries</i>												
Iceland	307.7	4.5	1.9	2.6	4.0	6.6	314.3	14.5	6.1	8.4	13.0	21.4
Liechtenstein	35.2	0.4	0.2	0.1	0.2	0.4	35.5	10.3	6.2	4.1	6.0	10.1
Norway	4 681.1	58.2	41.8	16.5	35.9	52.4	4 733.5	12.4	8.9	3.5	7.6	11.1
Switzerland	7 508.7	73.9	60.3	13.7	39.7	53.4	7 562.1	9.8	8.0	1.8	5.3	7.1
<i>Other CoE Member States</i>												
Albania	3 152.6	33.9	15.3	18.6	-5.2	13.3	3 166.0	10.7	4.8	5.9	-1.7	4.2
Armenia	3 226.0	38.9	25.1	13.8	-6.2	7.6	3 233.6	12.0	7.8	4.3	-1.9	2.4
Azerbaijan	8 532.7	151.6	52.1	99.4	-1.1	98.4	8 631.1	17.7	6.1	11.6	-0.1	11.5
Bosnia and Herzegovina	3 844.0	34.0	33.0	1.0	0.6	1.5	3 845.5	8.8	8.6	0.3	0.1	0.4
Moldova	3 581.1	38.5	42.1	-3.6	-4.1	-7.7	3 573.4	10.8	11.8	-1.0	-1.2	-2.2
Russia	142 221.0	1 577.7	2 056.9	-479.2	238.8	-240.5	141 980.5	11.1	14.5	-3.4	1.7	-1.7
Serbia	7 397.7	64.3	99.8	-35.5	11.9	-23.7	7 374.0	8.7	13.5	-4.8	1.6	-3.2
Ukraine	46 465.7	476.1	750.5	-274.4	12.7	-261.6	46 204.0	10.3	16.2	-5.9	0.3	-5.6
<i>CoE candidate member state</i>												
Belarus	9 714.5	104.0	133.5	-29.5	4.3	-25.2	9 689.3	10.7	13.8	-3.0	0.4	-2.6

Note: data for Andorra, Georgia, Monaco, Montenegro, San Marino and Turkey not available.

Table 2: Information base for 2007¹⁾

Country	Monthly data availability (up to and including)			
	Live births	Deaths	Immigration	Emigration
BE	March 2007	March 2007	—	—
BG	September 2007 ²⁾	September 2007 ²⁾	—	—
CZ	September 2007	September 2007	June 2007	June 2007
DK	September 2007	September 2007	September 2007 ³⁾	September 2007 ³⁾
DE	August 2007 ²⁾	August 2007 ²⁾	June 2007 ²⁾	June 2007 ²⁾
EE	October 2007	October 2007	—	—
IE	December 2006	December 2006	—	—
EL	April 2007	April 2007	—	—
ES	September 2007 ²⁾	September 2007 ²⁾	September 2007 ²⁾	September 2007 ²⁾
FR	December 2006	December 2005	—	—
FX	December 2006	December 2006	—	—
IT	May 2007	May 2007	May 2007	May 2007
CY	September 2007	September 2007	July 2007	June 2007
LV	September 2007	September 2007	September 2007	September 2007
LT	September 2007 ²⁾	September 2007 ²⁾	September 2007 ²⁾	September 2007 ²⁾
LU	August 2007	August 2007	—	—
HU	September 2007 ²⁾	September 2007 ²⁾	—	—
MT	June 2007	June 2007	June 2007	June 2007
NL	September 2007	September 2007	September 2007	September 2007
AT	September 2007	August 2007	September 2007	September 2007
PL	September 2007	September 2007	September 2007 ³⁾	September 2007 ³⁾
PT	September 2007 ²⁾	September 2007 ²⁾	—	—
RO	September 2007 ²⁾	September 2007 ²⁾	June 2007 ^{2), 4)}	June 2007 ^{2), 4)}
SI	June 2007	June 2007	June 2007	June 2007
SK	September 2007	September 2007	September 2007	September 2007
FI	December 2006	December 2006	—	—
SE	August 2007	August 2007	September 2007	September 2007
UK	December 2006	December 2005	—	—
HR	August 2007	August 2007	—	—
MK	September 2007	September 2007	August 2007	August 2007
IS	October 2007	October 2007	October 2007	October 2007
LI	September 2007 ²⁾	September 2007 ²⁾	—	—
NO	September 2007 ³⁾	September 2007 ³⁾	September 2007 ³⁾	September 2007 ³⁾
CH	September 2007	September 2007	September 2007	September 2007
AL	June 2007	June 2007	—	—
AM	September 2007	September 2007	September 2007 ³⁾	September 2007 ³⁾
AZ	September 2007 ²⁾	September 2007 ²⁾	September 2007 ²⁾	September 2007 ²⁾
BA	December 2006	December 2006	—	—
MD	December 2006	December 2006	—	—
RU	September 2007	September 2007	September 2007	September 2007
RS	July 2007	July 2007	—	—
UA	September 2007	September 2007	September 2007	September 2007
BY	September 2007	September 2007	September 2007	September 2007

1) Provisional monthly data series available on 15 November 2007.

2) National forecasts available until December 2007.

3) Quarterly data.

4) Half-yearly data.

Table 3: Differences between nowcasts and observed data in the last exercise (2006)

Countries	Errors (nowcast - observed) in thousands						Relative errors [(nowcast - observed)/observed]					
	Population 1 Jan 2006	Live births	Deaths	Net migration	Population 1 Jan 2007	Nowcast error	Population 1 Jan 2006	Live births	Deaths	Net migration	Population 1 Jan 2007	Nowcast error
EU-27	-0.1	0.0	0.1	-0.2	-0.5	-0.3	0.0%	-0.6%	2.4%	-11.7%	-0.1%	-0.1%
EU-25	-0.1	0.0	0.1	-0.2	-0.4	-0.3	0.0%	-0.6%	2.6%	-11.2%	-0.1%	-0.1%
EA-15	-0.1	0.0	0.0	-0.1	-0.3	-0.1	0.0%	-0.4%	0.7%	-8.8%	-0.1%	0.0%
EA-13	-0.1	0.0	0.0	-0.1	-0.3	-0.1	0.0%	-0.4%	0.7%	-8.7%	-0.1%	0.0%
EA-12	-0.1	0.0	0.0	-0.1	-0.3	-0.1	0.0%	-0.3%	0.7%	-8.8%	-0.1%	0.0%
EFTA	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	-2.3%	0.5%	20.1%	0.1%	0.1%
Average	-8.7	-1.5	4.0	-4.5	-18.7	-9.9	-0.1%	-0.8%	0.7%	-48.0%	-0.1%	-0.1%
BE	0.0	-0.6	0.8	-12.7	-14.1	-14.1	0.0%	-0.5%	0.8%	-23.8%	-0.1%	-0.1%
BG	0.0	-1.6	-0.3	-11.5	-12.8	-12.8	0.0%	-2.1%	-0.3%	:	-0.2%	-0.2%
CZ	0.0	-1.0	0.4	3.0	1.7	1.7	0.0%	-0.9%	0.4%	8.8%	0.0%	0.0%
DK	0.0	0.0	0.6	-0.8	-1.4	-1.4	0.0%	0.1%	1.2%	-7.9%	0.0%	0.0%
DE	0.0	-0.2	17.6	14.7	-3.2	-3.2	0.0%	0.0%	2.1%	56.9%	0.0%	0.0%
EE	0.0	-0.1	0.3	-2.1	-2.5	-2.5	0.0%	-0.9%	1.7%	-1286.6%	-0.2%	-0.2%
IE	0.0	0.2	-0.7	11.1	12.1	12.1	0.0%	0.3%	-2.7%	16.2%	0.3%	0.3%
EL	0.0	-3.9	-0.2	1.0	-2.7	-2.7	0.0%	-3.5%	-0.2%	2.5%	0.0%	0.0%
ES	0.0	-10.0	9.8	29.5	9.7	9.7	0.0%	-2.1%	2.6%	4.9%	0.0%	0.0%
FR	-112.6	-10.3	2.5	69.6	-55.8	56.8	-0.2%	-1.2%	0.5%	76.6%	-0.1%	0.1%
FX	-122.1	-10.2	-0.3	62.3	-69.8	52.4	-0.2%	-1.3%	-0.1%	65.6%	-0.1%	0.1%
IT	0.0	10.5	-12.5	-220.5	-197.4	-197.4	0.0%	1.9%	-2.2%	-58.4%	-0.3%	-0.3%
CY	0.0	-0.1	0.2	-2.5	-2.7	-2.7	0.0%	-1.1%	3.0%	-28.3%	-0.3%	-0.3%
LV	0.0	-0.6	0.3	0.0	-0.8	-0.8	0.0%	-2.5%	0.8%	0.0%	0.0%	0.0%
LT	0.0	-0.3	0.2	1.4	0.8	0.8	0.0%	-1.1%	0.5%	-28.2%	0.0%	0.0%
LU	-9.6	0.1	-0.2	-2.5	-11.8	-2.2	-2.0%	1.2%	-5.9%	-47.4%	-2.5%	-0.5%
HU	0.0	-0.5	0.7	-7.1	-8.3	-8.3	0.0%	-0.5%	0.6%	-33.2%	-0.1%	-0.1%
MT	-0.7	-0.1	-0.2	0.4	-0.1	0.5	-0.2%	-1.8%	-4.7%	20.7%	0.0%	0.1%
NL	0.0	-0.4	2.0	-9.4	-11.8	-11.8	0.0%	-0.2%	1.5%	36.2%	-0.1%	-0.1%
AT	0.0	-1.4	0.2	-1.4	-3.1	-3.1	0.0%	-1.8%	0.3%	-4.9%	0.0%	0.0%
PL	0.0	-5.9	6.3	-11.5	-23.6	-23.6	0.0%	-1.6%	1.7%	31.7%	-0.1%	-0.1%
PT	0.0	5.0	0.2	5.2	9.9	9.9	0.0%	4.7%	0.2%	19.8%	0.1%	0.1%
RO	0.0	1.5	1.8	5.7	5.5	5.5	0.0%	0.7%	0.7%	-88.5%	0.0%	0.0%
SI	0.0	-0.8	0.3	0.9	-0.1	-0.1	0.0%	-4.0%	1.5%	14.9%	0.0%	0.0%
SK	0.0	-1.3	-0.5	-1.2	-2.0	-2.0	0.0%	-2.4%	-1.0%	-31.9%	0.0%	0.0%
FI	0.0	-0.3	-0.4	0.0	0.2	0.2	0.0%	-0.4%	-0.8%	0.2%	0.0%	0.0%
SE	0.0	-0.3	0.3	7.2	6.6	6.6	0.0%	-0.3%	0.4%	14.2%	0.1%	0.1%
UK	0.0	-8.1	83.4	-54.3	-145.8	-145.8	0.0%	-1.1%	16.6%	-25.4%	-0.2%	-0.2%
Average	0.0	-1.5	-1.7	1.7	2.0	2.0	0.0%	-2.6%	-0.1%	-89.4%	0.0%	0.0%
HR	-0.1	-1.4	1.2	1.3	-1.4	-1.3	0.0%	-3.5%	2.3%	17.3%	0.0%	0.0%
MK	0.0	-0.9	-0.2	1.0	0.3	0.3	0.0%	-4.1%	-1.3%	-185.5%	0.0%	0.0%
TR	0.0	-2.0	-6.0	3.0	7.0	7.0	0.0%	-0.1%	-1.3%	-100.0%	0.0%	0.0%
Average	0.0	-0.8	0.1	3.3	2.4	2.4	0.0%	-3.1%	0.5%	7.5%	-0.2%	-0.2%
IS	0.0	-0.2	-0.1	-3.8	-4.0	-4.0	0.0%	-5.2%	-3.5%	-73.0%	-1.3%	-1.3%
LI	0.0	0.0	0.0	0.1	0.0	0.0	0.0%	-2.4%	4.4%	54.7%	0.1%	0.1%
NO	0.0	-2.0	0.4	1.3	-1.1	-1.1	0.0%	-3.4%	1.0%	5.5%	0.0%	0.0%
CH	0.0	-0.9	0.1	15.7	14.6	14.6	0.0%	-1.3%	0.2%	42.9%	0.2%	0.2%

Note: the revisions of the population on 1 January 2006 for France are due to the results of the census surveys.

METHODOLOGICAL NOTES

GEOGRAPHIC DEFINITIONS

European Union Member States (EU-27): Belgium (BE), Bulgaria (BG), Czech Republic (CZ), Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain (ES), France (FR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania (LT), Luxembourg (LU), Hungary (HU), Malta (MT), the Netherlands (NL), Austria (AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK), Finland (FI), Sweden (SE) and the United Kingdom (UK).

EU-25: EU-27 without Bulgaria and Romania.

Euro area (EA-15): Belgium, Germany, Greece, Spain, France, Ireland, Italy, Cyprus, Luxembourg, Malta, the Netherlands, Austria, Portugal, Slovenia and Finland.

EA-13: EA-15 without Cyprus and Malta.

EA-12: EA-13 without Slovenia.

EU candidate countries: Croatia (HR), the Former Yugoslav Republic of Macedonia (MK) and Turkey (TR).

European Free Trade Association (EFTA): Iceland (IS), Liechtenstein (LI), Norway (NO) and Switzerland (CH).

Council of Europe (CoE) Member States: all the European Union Member States, candidate and EFTA countries, Albania (AL), Andorra (AD), Armenia (AM), Azerbaijan (AZ), Bosnia and Herzegovina (BA), Georgia (GE), Moldova (MD), Monaco (MC), Montenegro (ME), Russia (RU), San Marino (SM), Serbia (RS) and Ukraine (UA).

CoE candidate country: Belarus (BY).

National conditions: data for **France** refer to the whole of France, i.e. Metropolitan France (FX) plus the overseas departments (Guadeloupe, Martinique, French Guiana and Reunion); figures for **Cyprus** refer to the government-controlled area; data for **Serbia** do not include Kosovo.

GLOSSARY

Natural change: the difference between the number of live births and the number of deaths.

Net migration: the difference between the number of immigrants and the number of emigrants. Since several countries have either no accurate figures on immigration and emigration or no figures at all, net migration is sometimes also estimated, based on the difference between the total change and the natural change between the two dates concerned (*corrected net migration*). The statistics on net migration may therefore be affected by all the statistical inaccuracies in the two components of this equation, especially total change.

Total change: the difference between the population sizes on 1 January of two consecutive years. The crude rate of total change is a measure of the population growth. In the absence of statistical adjustments, the sum of the natural change and net migration gives the total change.

Crude rate: the ratio of the number of events to the person-years lived. For clearer presentation, it is usually multiplied by 1000 so that it can be expressed as number of events per 1000 inhabitants.

METHODOLOGY

Eurostat nowcasts are based primarily on extrapolation of monthly time series of live births, deaths, immigration and emigration to cover the whole year. The extrapolation model is selected with a view to minimisation of the root mean square error, taking into account any seasonal components. For migration flows, given their variability and the lack of appropriate data, alternative methods or national forecasts can be used in specific cases. Population nowcasts are therefore obtained by means of the component method.

Table 2 shows the jump-off month of the extrapolation model for each component and country. For some countries, the extrapolation can therefore cover the whole of 2007 and not only the missing months. Table 3 assesses the accuracy of the last nowcast exercise. The differences for the population on 1 January 2006 reflect the changes in the base population due to revisions made by the National Statistical Institutes after the exercise and, as such, cannot be attributed to the nowcasting method. In several cases, revisions also affect the time series of the various components and therefore the results of the nowcast, but they are not taken into account in Table 3. Moreover, the data referring to the latest months are usually provisional, which might influence the extrapolation of the time series.

Source of all data in this publication: Eurostat nowcasts.

FURTHER INFORMATION

European Statistical Data Support

Contact details for this support network can be found on the Eurostat Internet site: <http://ec.europa.eu/eurostat> → Services: Help/Data support