

First demographic estimates for 2008

Table 1: Population change in 2008 (nowcasts)

COUNTRY	Population	Live	Deaths	Natural	Net	Total	Population	Crude	Crude	Crude	Crude	Crude
	1.1.2008	births		change	migration	change	1.1.2009	birth	death	natural	net	total
	(thousands)							(per thousand)				
EU-27	497 455.0	5 384.2	4 828.4	555.8	1 662.5	2 218.3	499 673.3	10.8	9.7	1.1	3.3	4.4
EA-16	326 921.1	3 412.8	3 034.7	378.2	1 298.1	1 676.2	328 597.3	10.4	9.3	1.2	4.0	5.1
EA-15	321 520.1	3 356.4	2 981.8	374.7	1 291.5	1 666.2	323 186.3	10.4	9.3	1.2	4.0	5.2
EEA	502 540.9	5 449.2	4 871.9	577.3	1 712.7	2 290.0	504 830.9	10.8	9.7	1.1	3.4	4.5
EFTA	12 679.4	141.3	104.6	36.8	109.2	145.9	12 825.3	11.1	8.2	2.9	8.6	11.4
<i>EU Member States</i>												
Belgium	10 666.9	123.3	102.1	21.2	53.0	74.2	10 741.0	11.5	9.5	2.0	5.0	6.9
Bulgaria	7 640.2	71.4	108.2	-36.7	-1.4	-38.1	7 602.1	9.4	14.2	-4.8	-0.2	-5.0
Czech Republic	10 381.1	118.2	105.5	12.7	80.8	93.5	10 474.6	11.3	10.1	1.2	7.7	9.0
Denmark	5 475.8	65.0	54.3	10.7	32.7	43.5	5 519.3	11.8	9.9	2.0	6.0	7.9
Germany	82 217.8	681.7	842.1	-160.3	4.8	-155.6	82 062.2	8.3	10.3	-2.0	0.1	-1.9
Estonia	1 340.9	16.3	17.1	-0.8	0.2	-0.6	1 340.3	12.2	12.8	-0.6	0.1	-0.4
Ireland	4 401.3	80.7	27.3	53.4	63.1	116.4	4 517.8	18.1	6.1	12.0	14.1	26.1
Greece	11 213.8	110.6	104.1	6.5	42.2	48.8	11 262.5	9.8	9.3	0.6	3.8	4.3
Spain	45 283.3	501.1	395.6	105.5	464.3	569.8	45 853.0	11.0	8.7	2.3	10.2	12.5
France	63 753.1	824.0	534.3	289.7	62.3	352.0	64 105.1	12.9	8.4	4.5	1.0	5.5
<i>of which, Metropolitan France</i>	<i>61 875.8</i>	<i>803.7</i>	<i>525.6</i>	<i>278.1</i>	<i>67.2</i>	<i>345.3</i>	<i>62 221.1</i>	<i>13.0</i>	<i>8.5</i>	<i>4.5</i>	<i>1.1</i>	<i>5.6</i>
Italy	59 619.3	573.4	586.7	-13.3	484.5	471.1	60 090.4	9.6	9.8	-0.2	8.1	7.9
Cyprus	789.3	8.3	5.2	3.1	9.3	12.4	801.6	10.4	6.6	3.9	11.7	15.5
Latvia	2 270.9	24.4	31.6	-7.2	-2.5	-9.8	2 261.1	10.8	14.0	-3.2	-1.1	-4.3
Lithuania	3 366.4	35.3	44.2	-8.9	-7.1	-16.0	3 350.4	10.5	13.2	-2.6	-2.1	-4.8
Luxembourg	483.8	5.5	3.4	2.1	5.8	7.9	491.7	11.2	6.9	4.3	11.9	16.2
Hungary	10 045.4	99.3	130.0	-30.8	15.2	-15.5	10 029.9	9.9	13.0	-3.1	1.5	-1.5
Malta	410.3	3.8	3.2	0.6	1.7	2.3	412.6	9.2	7.7	1.5	4.2	5.6
Netherlands	16 405.4	185.6	134.5	51.1	24.7	75.7	16 481.1	11.3	8.2	3.1	1.5	4.6
Austria	8 331.9	76.5	73.1	3.5	21.3	24.8	8 356.7	9.2	8.8	0.4	2.6	3.0
Poland	38 115.6	413.0	382.0	31.0	-16.4	14.7	38 130.3	10.8	10.0	0.8	-0.4	0.4
Portugal	10 617.6	102.2	102.6	-0.5	14.7	14.2	10 631.8	9.6	9.7	0.0	1.4	1.3
Romania	21 528.6	222.8	255.9	-33.1	1.2	-32.0	21 496.7	10.4	11.9	-1.5	0.1	-1.5
Slovenia	2 025.9	20.5	18.6	1.9	25.6	27.5	2 053.4	10.0	9.1	0.9	12.6	13.5
Slovakia	5 401.0	56.4	52.9	3.5	6.6	10.1	5 411.1	10.4	9.8	0.6	1.2	1.9
Finland	5 300.5	59.3	49.0	10.3	14.3	24.6	5 325.1	11.2	9.2	1.9	2.7	4.6
Sweden	9 182.9	109.6	91.3	18.3	57.8	76.1	9 259.0	11.9	9.9	2.0	6.3	8.3
United Kingdom	61 186.0	796.1	573.7	222.4	203.9	426.3	61 612.3	13.0	9.3	3.6	3.3	6.9
<i>EU candidate countries</i>												
Croatia	4 436.4	42.5	52.8	-10.2	5.8	-4.4	4 432.0	9.6	11.9	-2.3	1.3	-1.0
Former Yug. Rep. of Macedonia	2 045.2	22.5	18.9	3.6	0.1	3.8	2 048.9	11.0	9.2	1.8	0.1	1.8
Turkey	70 586.3	:	:	:	:	:	:	:	:	:	:	:
<i>EFTA countries</i>												
Iceland	313.4	4.6	1.8	2.7	4.4	7.2	320.5	14.5	5.8	8.7	13.9	22.6
Liechtenstein	35.4	0.3	0.2	0.1	0.2	0.3	35.7	9.6	5.9	3.8	5.6	9.4
Norway	4 737.2	60.1	41.5	18.6	45.6	64.2	4 801.4	12.6	8.7	3.9	9.6	13.5
Switzerland	7 593.5	76.3	61.0	15.3	58.9	74.2	7 667.7	10.0	8.0	2.0	7.7	9.7

Note: data for Turkey not available.

Table 2: Information base for 2008 ¹⁾

COUNTRY	Monthly data availability (up to and including)			
	Live births	Deaths	Immigration	Emigration
BE	December 2007 ²⁾	December 2007 ²⁾	— ²⁾	— ²⁾
BG	September 2008 ²⁾	September 2008 ²⁾	—	—
CZ	June 2008	June 2008	June 2008	June 2008
DK	September 2008	September 2008	September 2008	September 2008
DE	August 2008 ²⁾	August 2008 ²⁾	April 2008 ²⁾	April 2008 ²⁾
EE	October 2008	October 2008	—	—
IE	March 2008	March 2008	—	—
EL	April 2008	April 2008	—	—
ES	October 2008 ²⁾	October 2008 ²⁾	October 2008 ²⁾	October 2008 ²⁾
FR	December 2007	December 2007	—	—
FX	August 2008	August 2008	—	—
IT	May 2008	May 2008	May 2008	May 2008
CY	August 2008	August 2008	August 2008	September 2008
LV	September 2008	September 2008	September 2008	September 2008
LT	October 2008 ²⁾	October 2008 ²⁾	October 2008 ²⁾	October 2008 ²⁾
LU	August 2008	August 2008	—	—
HU	September 2008 ²⁾	September 2008 ²⁾	—	—
MT	December 2007 ²⁾	December 2007 ²⁾	— ²⁾	— ²⁾
NL	September 2008	September 2008	September 2008	September 2008
AT	September 2008	August 2008	June 2008	June 2008
PL	September 2008	September 2008	September 2008 ³⁾	September 2008 ³⁾
PT	June 2008 ²⁾	June 2008 ²⁾	—	—
RO	September 2008 ²⁾	September 2008 ²⁾	June 2008 ^{2), 4)}	June 2008 ^{2), 4)}
SI	June 2008	June 2008	June 2008	June 2008
SK	September 2008	September 2008	September 2008	September 2008
FI	September 2008 ²⁾	September 2008 ²⁾	September 2008 ²⁾	September 2008 ²⁾
SE	September 2008	September 2008	September 2008	September 2008
UK	June 2008	June 2008	—	—
HR	December 2007	December 2007	—	—
MK	September 2008	September 2008	—	—
TR	—	—	—	—
IS	December 2007	December 2007	—	—
LI	October 2008 ²⁾	October 2008 ²⁾	—	—
NO	September 2008 ³⁾	September 2008 ³⁾	September 2008 ³⁾	September 2008 ³⁾
CH	September 2008	September 2008	September 2008	September 2008

1) Provisional monthly data series available on 15 November 2008.

2) National forecasts available until December 2008.

3) Quarterly data.

4) Half-yearly data.

Table 3: Differences between nowcasts and observed data in the last exercise (2007)

COUNTRY	<i>Errors (nowcast - observed) in thousands</i>						<i>Relative errors</i>	
	Population 1 Jan 2007	Live births	Deaths	Net migration	Population 1 Jan 2008	Nowcast error	Population 1 Jan 2008	Nowcast error
EU-27	38.2	-42.7	18.3	-233.5	-256.3	-294.5	-0.05%	-0.06%
EA-16	2.1	-9.9	13.3	-22.9	-44.0	-46.1	-0.01%	-0.01%
EA-15	2.1	-8.9	13.3	-21.8	-41.8	-43.9	-0.01%	-0.01%
EEA	38.2	-43.0	18.1	-236.0	-258.8	-297.0	-0.05%	-0.06%
EFTA	0.0	-0.8	-1.1	-34.1	-33.9	-33.9	-0.27%	-0.27%
BE	0.0	0.8	2.1	-4.8	-6.1	-6.1	-0.06%	-0.06%
BG	0.0	-2.1	0.7	-32.4	-35.2	-35.2	-0.46%	-0.46%
CZ	0.0	-0.9	-2.1	-36.4	-35.2	-35.2	-0.34%	-0.34%
DK	0.0	-0.5	-0.1	4.3	3.9	3.9	0.07%	0.07%
DE	0.0	-9.8	-0.4	-8.2	-17.7	-17.7	-0.02%	-0.02%
EE	0.0	0.1	0.2	-2.2	-2.3	-2.3	-0.17%	-0.17%
IE	2.1	-5.2	-0.6	16.0	13.5	11.4	0.31%	0.26%
EL	0.0	-2.4	-4.9	0.5	2.9	2.9	0.03%	0.03%
ES	0.0	-9.0	1.4	-15.2	-25.6	-25.6	-0.06%	-0.06%
FR	0.0	14.5	16.0	27.3	25.9	25.9	0.04%	0.04%
FX	0.0	15.5	9.6	27.5	33.4	33.4	0.05%	0.05%
IT	0.0	1.6	-0.1	-42.6	-40.9	-40.9	-0.07%	-0.07%
CY	0.0	0.0	0.1	7.2	7.1	7.1	0.90%	0.90%
LV	0.0	-0.3	0.2	-1.3	-1.8	-1.8	-0.08%	-0.08%
LT	0.0	-0.4	0.0	-0.5	-0.9	-0.9	-0.03%	-0.03%
LU	0.0	-0.2	-0.2	-1.7	-1.6	-1.6	-0.33%	-0.33%
HU	0.0	-0.5	1.0	2.4	0.9	0.9	0.01%	0.01%
MT	0.0	0.0	0.0	0.2	0.2	0.2	0.05%	0.05%
NL	0.0	-0.2	-1.7	-4.9	-3.4	-3.4	-0.02%	-0.02%
AT	0.0	-1.8	-0.4	-3.3	-4.7	-4.7	-0.06%	-0.06%
PL	0.0	-5.7	-3.9	-117.6	-119.5	-119.5	-0.31%	-0.31%
PT	0.0	3.2	2.7	15.0	15.4	15.4	0.15%	0.15%
RO	0.0	-3.7	0.8	-100.7	-105.3	-105.3	-0.49%	-0.49%
SI	0.0	-0.7	0.0	-2.5	-3.2	-3.2	-0.16%	-0.16%
SK	0.0	-1.0	0.0	-1.2	-2.2	-2.2	-0.04%	-0.04%
FI	0.0	0.3	-0.7	-4.6	-3.7	-3.7	-0.07%	-0.07%
SE	0.0	-0.8	-1.0	-1.4	-1.2	-1.2	-0.01%	-0.01%
UK	36.1	-17.8	9.3	75.3	84.3	48.2	0.14%	0.08%
HR	0.0	0.1	1.3	0.2	-1.0	-1.0	-0.02%	-0.02%
MK	0.0	-0.8	-0.1	-5.5	-6.1	-6.1	-0.30%	-0.30%
TR	:	:	:	:	:	:	:	:
IS	0.0	-0.1	0.0	1.0	0.9	0.9	0.30%	0.30%
LI	0.0	0.0	0.0	0.1	0.2	0.2	0.48%	0.48%
NO	0.0	-0.2	-0.2	-3.6	-3.6	-3.6	-0.08%	-0.08%
CH	0.0	-0.6	-0.8	-31.7	-31.4	-31.4	-0.41%	-0.41%

Note: data for Turkey not available.

Methodology

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).

Euro area (EA-16): Belgium, Germany, Greece, Spain, France, Ireland, Italy, Cyprus, Luxembourg, Malta, the Netherlands, Austria, Portugal, Slovenia, Slovakia and Finland.

EA-15: EA-16 without Slovakia.

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

European Economic Area (EEA): all the European Union Member States, Iceland (IS), Liechtenstein (LI) and Norway (NO).

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

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.

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.

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.

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 2008 and not only the missing months. Table 3 assesses the accuracy of the last nowcast exercise. The differences for the population on 1 January 2007 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

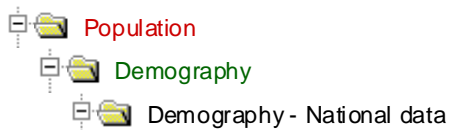
European Statistical Data Support:

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Population and social conditions



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