

First demographic estimates for 2009

Table 1: Population change in 2009 (nowcasts)

COUNTRY	Population	Live	Deaths	Natural	Net	Total	Population	Crude	Crude	Crude	Crude	Crude
	1.1.2009	births		change	migration	change	1.1.2010	birth	death	natural	net	total
	(thousands)							(per thousand)				
EU-27	499 723.5	5 421.7	4 826.1	595.7	940.6	1 536.3	501 259.8	10.8	9.6	1.2	1.9	3.1
EA-16	328 630.0	3 435.0	3 040.4	394.6	647.2	1 041.9	329 671.8	10.4	9.2	1.2	2.0	3.2
EEA	504 877.7	5 488.5	4 870.1	618.4	973.3	1 591.7	506 469.4	10.9	9.6	1.2	1.9	3.1
EFTA	12 856.1	144.7	106.1	38.6	75.4	114.0	12 970.0	11.2	8.2	3.0	5.8	8.8
<i>EU Member States</i>												
Belgium	10 750.0	124.1	101.7	22.4	55.1	77.5	10 827.5	11.5	9.4	2.1	5.1	7.2
Bulgaria	7 606.6	79.3	108.2	-28.9	-0.9	-29.8	7 576.8	10.4	14.3	-3.8	-0.1	-3.9
Czech Republic	10 467.5	115.9	106.0	9.8	35.0	44.9	10 512.4	11.0	10.1	0.9	3.3	4.3
Denmark	5 511.5	62.6	54.8	7.8	27.8	35.6	5 547.1	11.3	9.9	1.4	5.0	6.4
Germany	82 002.4	645.6	834.6	-189.0	-55.7	-244.8	81 757.6	7.9	10.2	-2.3	-0.7	-3.0
Estonia	1 340.4	15.8	16.0	-0.3	0.1	-0.1	1 340.3	11.8	12.0	-0.2	0.1	-0.1
Ireland	4 450.0	74.9	30.1	44.7	-43.9	0.9	4 450.9	16.8	6.8	10.0	-9.9	0.2
Greece	11 260.4	120.7	110.8	9.9	35.9	45.8	11 306.2	10.7	9.8	0.9	3.2	4.1
Spain	45 828.2	564.0	383.9	180.1	78.9	259.0	46 087.2	12.3	8.4	3.9	1.7	5.6
France	64 350.8	830.4	548.2	282.2	76.5	358.7	64 709.5	12.9	8.5	4.4	1.2	5.6
<i>of which, Metropolitan France</i>	62 449.0	797.6	537.4	260.2	74.8	335.0	62 784.0	12.7	8.6	4.2	1.2	5.4
Italy	60 045.1	553.6	584.7	-31.1	383.4	352.3	60 397.4	9.2	9.7	-0.5	6.4	5.8
Cyprus	796.9	9.3	5.2	4.0	0.9	5.0	801.9	11.6	6.5	5.1	1.2	6.2
Latvia	2 261.3	22.2	29.9	-7.7	-4.6	-12.3	2 249.0	9.8	13.3	-3.4	-2.1	-5.5
Lithuania	3 349.9	36.8	42.0	-5.2	-15.5	-20.6	3 329.2	11.0	12.6	-1.6	-4.6	-6.2
Luxembourg	493.5	5.6	3.6	1.9	6.8	8.7	502.2	11.2	7.3	3.9	13.6	17.5
Hungary	10 031.0	97.1	130.2	-33.1	15.7	-17.3	10 013.6	9.7	13.0	-3.3	1.6	-1.7
Malta	413.6	3.9	3.3	0.7	2.1	2.7	416.3	9.5	7.9	1.6	5.0	6.6
Netherlands	16 485.8	185.4	134.1	51.4	39.7	91.0	16 576.8	11.2	8.1	3.1	2.4	5.5
Austria	8 355.3	76.7	76.6	0.1	17.6	17.7	8 372.9	9.2	9.2	0.0	2.1	2.1
Poland	38 135.9	428.3	384.9	43.4	-15.4	28.0	38 163.9	11.2	10.1	1.1	-0.4	0.7
Portugal	10 627.3	97.4	102.4	-5.0	14.6	9.6	10 636.9	9.2	9.6	-0.5	1.4	0.9
Romania	21 498.6	227.5	257.5	-29.9	-2.5	-32.4	21 466.2	10.6	12.0	-1.4	-0.1	-1.5
Slovenia	2 032.4	22.5	18.7	3.8	18.0	21.8	2 054.1	11.0	9.1	1.9	8.8	10.6
Slovakia	5 412.3	61.0	53.1	7.9	3.9	11.8	5 424.1	11.3	9.8	1.5	0.7	2.2
Finland	5 326.3	60.1	49.5	10.6	13.5	24.2	5 350.5	11.3	9.3	2.0	2.5	4.5
Sweden	9 256.3	113.8	89.9	23.9	67.6	91.6	9 347.9	12.2	9.7	2.6	7.3	9.8
United Kingdom	61 634.6	787.3	566.3	221.1	186.0	407.1	62 041.7	12.7	9.2	3.6	3.0	6.6
<i>EFTA countries</i>												
Iceland	319.4	5.0	2.0	3.0	-3.6	-0.6	318.8	15.5	6.2	9.3	-11.3	-1.9
Liechtenstein	35.6	0.4	0.2	0.2	0.2	0.4	36.0	11.6	6.0	5.6	5.3	10.9
Norway	4 799.3	61.4	41.9	19.6	36.0	55.6	4 854.8	12.7	8.7	4.1	7.5	11.5
Switzerland	7 701.9	77.9	62.0	15.9	42.8	58.6	7 760.5	10.1	8.0	2.1	5.5	7.6

Source: Eurostat ([demo_gind](#))

Table 2: Information base for 2009 ¹⁾

COUNTRY	Monthly data availability (up to and including)			
	Live births	Deaths	Immigration	Emigration
BE	December 2008	December 2008	—	—
BG	September 2009	September 2009	—	—
CZ	June 2009	June 2009	June 2009	June 2009
DK	September 2009	September 2009	September 2009	September 2009
DE	August 2009	August 2009	March 2009	March 2009
EE	October 2009	October 2009	—	—
IE	March 2009	March 2009	March 2009 ²⁾	March 2009 ²⁾
EL	April 2009	April 2009	—	—
ES	April 2009	April 2009	September 2009	September 2009
FR	December 2008	December 2008	—	—
FX	August 2009	August 2009	—	—
IT	May 2009	May 2009	May 2009	May 2009
CY	June 2009	June 2009	July 2009	June 2009
LV	September 2009	September 2009	September 2009	September 2009
LT	October 2009	October 2009	October 2009	October 2009
LU	August 2009	August 2009	—	—
HU	September 2009	September 2009	—	—
MT	October 2009	October 2009	October 2009	October 2009
NL	September 2009	September 2009	September 2009	September 2009
AT	September 2009	August 2009	June 2009	June 2009
PL	June 2009	June 2009	June 2009 ²⁾	June 2009 ²⁾
PT	July 2009	July 2009	—	—
RO	September 2009	September 2009	June 2009 ³⁾	June 2009 ³⁾
SI	June 2009	June 2009	June 2009	June 2009
SK	September 2009	September 2009	September 2009	September 2009
FI	September 2009	September 2009	September 2009	September 2009
SE	September 2009	September 2009	September 2009	September 2009
UK	June 2009	June 2009	—	—
IS	September 2009	September 2009	September 2009	September 2009
LI	October 2009	October 2009	—	—
NO	September 2009 ²⁾	September 2009 ²⁾	September 2009 ²⁾	September 2009 ²⁾
CH	September 2009	September 2009	August 2009	August 2009

1) Provisional monthly data series available on 15 November 2009.

2) Quarterly data.

3) Half-yearly data.

Source: Eurostat

Table 3: Differences between nowcasts and observed data in the last exercise (2008)

Countries	National revisions	Errors (nowcast - observed) in thousands					Nowcast error	Relative errors	
	Population 1 Jan 2008	Live births	Deaths	Net migration	Population 1 Jan 2009	Population 1 Jan 2009		Nowcast error	
EU-27	-194.1	-42.1	-14.3	171.7	-50.2	143.9	-0.01%	0.03%	
EA-16	-200.8	-36.8	-12.6	192.4	-32.6	168.2	-0.01%	0.05%	
EEA	-196.2	-42.7	-14.6	177.5	-46.8	149.4	-0.01%	0.03%	
EFTA	-2.1	-1.1	-0.6	-28.2	-30.7	-28.7	-0.24%	-0.22%	
BE	0.0	-1.7	0.5	-6.7	-9.0	-9.0	-0.08%	-0.08%	
BG	0.0	-6.3	-2.4	-0.5	-4.4	-4.4	-0.06%	-0.06%	
CZ	0.0	-1.4	0.5	9.0	7.1	7.1	0.07%	0.07%	
DK	0.0	0.0	-0.3	7.5	7.8	7.8	0.14%	0.14%	
DE	0.0	-0.8	-2.4	58.3	59.9	59.9	0.07%	0.07%	
EE	0.0	0.3	0.4	0.0	-0.1	-0.1	-0.01%	-0.01%	
IE	0.0	5.6	-0.9	61.3	67.7	67.7	1.52%	1.52%	
EL	0.0	-7.7	-3.9	6.0	2.1	2.1	0.02%	0.02%	
ES	0.0	-17.9	3.0	45.8	24.9	24.9	0.05%	0.05%	
FR	-229.7	-5.3	-8.5	-19.0	-245.6	-15.9	-0.38%	-0.02%	
FX	-230.1	7.6	-6.6	-12.0	-227.9	2.2	-0.36%	0.00%	
IT	0.0	-2.4	4.1	51.9	45.4	45.4	0.08%	0.08%	
CY	0.0	-0.9	0.0	5.7	4.7	4.8	0.60%	0.60%	
LV	0.0	0.5	0.6	0.0	-0.2	-0.2	-0.01%	-0.01%	
LT	0.0	0.2	0.3	0.6	0.5	0.5	0.02%	0.02%	
LU	0.0	-0.1	-0.2	-1.9	-1.8	-1.8	-0.36%	-0.36%	
HU	0.0	0.1	0.0	-1.2	-1.1	-1.1	-0.01%	-0.01%	
MT	0.0	-0.3	-0.1	-0.7	-1.0	-1.0	-0.24%	-0.24%	
NL	0.0	1.0	-0.6	-6.2	-4.6	-4.6	-0.03%	-0.03%	
AT	13.3	-1.2	-2.0	-12.7	1.4	-11.9	0.02%	-0.14%	
PL	0.0	-1.5	2.6	-1.5	-5.6	-5.6	-0.01%	-0.01%	
PT	0.0	-2.4	-1.7	5.3	4.5	4.5	0.04%	0.04%	
RO	0.0	0.9	2.7	-0.1	-2.0	-2.0	-0.01%	-0.01%	
SI	15.6	-1.4	0.3	7.0	21.0	5.4	1.03%	0.27%	
SK	0.0	-1.0	-0.3	-0.5	-1.2	-1.2	-0.02%	-0.02%	
FI	0.0	-0.2	-0.1	-1.1	-1.2	-1.2	-0.02%	-0.02%	
SE	0.0	0.3	-0.1	2.3	2.7	2.7	0.03%	0.03%	
UK	6.7	1.7	-6.0	-36.8	-22.3	-29.1	-0.04%	-0.05%	
IS	-2.1	-0.2	-0.1	3.4	1.2	3.3	0.37%	1.02%	
LI	0.0	0.0	0.0	0.1	0.1	0.1	0.28%	0.28%	
NO	0.0	-0.4	-0.2	2.3	2.1	2.1	0.04%	0.04%	
CH	0.0	-0.4	-0.2	-34.0	-34.1	-34.1	-0.44%	-0.44%	

Source: Eurostat

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, Ireland, Greece, Spain, France, Italy, Cyprus, Luxembourg, Malta, the Netherlands, Austria, Portugal, Slovenia, Slovakia and Finland.

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 2009 and not only the missing months. Table 3 assesses the accuracy of the last nowcast exercise. The differences for the population on 1 January 2008 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

Eurostat Website: <http://ec.europa.eu/eurostat>

Data on "Population statistics"

<http://epp.eurostat.ec.europa.eu/portal/page/portal/population/data/database>

More information about "Population statistics"

<http://epp.eurostat.ec.europa.eu/portal/page/portal/population/introduction>

European Statistical Data Support:

Contact details for this support network can be found on our Internet site:

<http://ec.europa.eu/eurostat/>

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