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Working Group on Population Statistics

Luxembourg, 25-26 October 2017

Bech Building, room Ampere

Starting on 25 October at 9.30 and finishing on 26 October at 13.30

QUALITY REPORT OF UNIDEMO 2015

Item 2.2 of the Agenda

1. INTRODUCTION

The aim of this document is to give a picture of the state of play of the Unified Demographic data collection for the Reference Year (RY) 2015 (UNIDEMO 2015).

First, the document provides information on UNIDEMO RY 2015 for the statistics on vital events, migration flows and acquisition/loss of citizenship and population stocks data at the end of 2015, according to the Article 3 of Regulation (EU) No 1260/2013¹ and by the Article 3 of the Regulation (EC) No 862/2007², and their corresponding implementing measures.

Some general aspects related to the data quality are reviewed, in particular referring to punctuality, completeness, comparability, and accuracy. Quality improvements in RY2015 as compared to previous reference year are also assessed.

Further, an overview of the impact of NUTS-2013 classification on demographic statistics is presented.

The members of the Working Group on Population Statistics are invited to:

- Take note of the punctuality and completeness of the 2015 demographic and migration data;
- Take note of the needs of the users of population data provided under Article 3 by individual country of citizenship as well as immigration / emigration by single previous / next country of residence and comment on data availability;
- Take note on the existence of the CIRCABC restricted access online interest group '*Exchange of data and best practices for international migration statistics*';
- Take note of the state of play of the data transmission of the historical time series following the implementation of the NUTS-2013 classification and planning for the implementation of the NUTS-2016.

¹ Commission Regulation(EU) No 1260/2013 of the European Parliament and of the Council on European demographic statistics

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2013:330:0039:0043:EN:PDF>

Commission Implementing Regulation (EU) No 205/2014 of Regulation (EU) No 1260/2013

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2014:065:0010:0026:EN:PDF>

² Commission Regulation(EC) No 862/2007 of the European Parliament and of the Council on migration and international protection

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2007:199:0023:0029:EN:PDF>

Commission Implementing Regulation (EU) No 351/2010 of Regulation (EU) No 862/2007

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2010:104:0037:0039:EN:PDF>

2. UNIFIED DEMOGRAPHIC DATA COLLECTION REFERENCE YEAR 2015

2.1. Punctuality

The punctuality of the data and metadata supplied has been assessed based on the deadline set by both the Regulation (EU) No 1260/2013 and Regulation (EC) No 862/2007, which was 31 December 2016. The data request and accompanying documents were sent out in October 2016 to 49 countries: EU-28 Member States, EFTA countries, Candidate Countries (Albania, Montenegro, The Former Yugoslav Republic of Macedonia, Serbia and Turkey), Andorra, Armenia, Azerbaijan, Republic of Bosnia and Herzegovina, Belarus, Georgia, Monaco, Republic of Moldova, Russian Federation, San Marino, Ukraine and Kosovo³.

The data and metadata were to be transmitted using three templates prepared by Eurostat: UNIDEMO1260 templates for the demographic data, UNIDEMO862 template for the migration data, and DEMOMIGR_UNIESMS for the metadata. Out of the 32 countries (EU-28 Member States and EFTA) bound by those EU regulations⁴:

- as for the UNIDEMO1260 template, 30 countries transmitted all or part of the required data before the deadline and two countries within 2 weeks of the deadline;
- as for the UNIDEMO862 template, 30 countries transmitted all or part of the required data before the deadline and two countries within 2 weeks of the deadline;
- and 26 countries transmitted all or part of the required metadata (DEMOMIGR_UNIESMS) before the deadline, four countries within 2 weeks of the deadline, and two countries provided data later;

As for the countries not bound by the EU regulations but participating on voluntary basis:

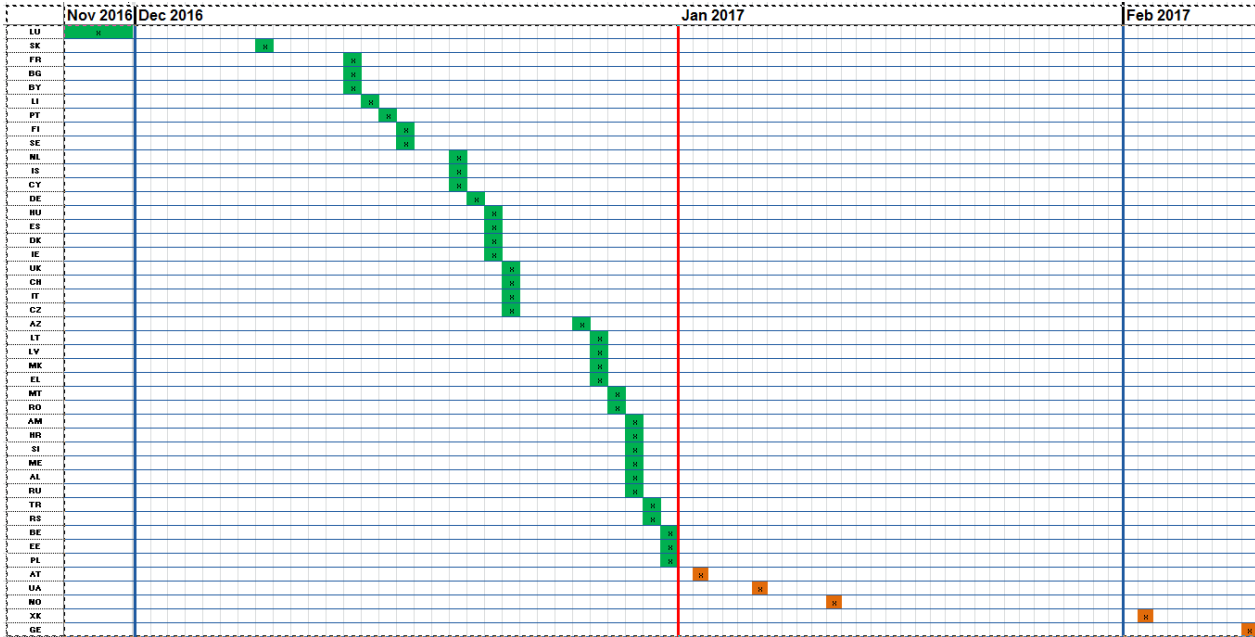
- 5 Candidate Countries as well as Armenia, Azerbaijan, Belarus and Russian Federation transmitted all or part of the UNIDEMO1260 template before the deadline and Georgia, Kosovo³ and Ukraine later;
- 5 Candidate Countries as well as Armenia, Azerbaijan, Belarus and Russian Federation transmitted all or part of the UNIDEMO862 template before the deadline and Andorra, Georgia and Ukraine later;
- 3 Candidate Countries transmitted the DEMOMIGR_UNIESMS metadata before the deadline and Georgia later.

Therefore, regarding punctuality, 26 of the 32 countries bound by the above mentioned Regulations submitted the data and metadata within the mandatory deadline and 5 countries later.

³ Kosovo (under UNSCR 1244)

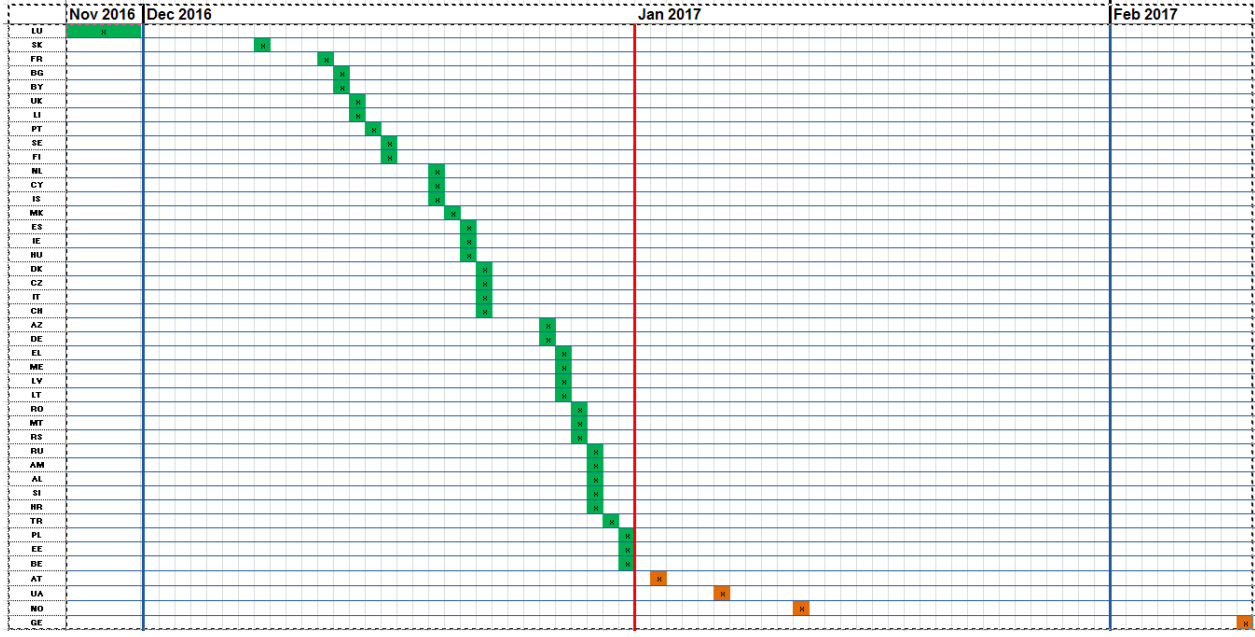
⁴ Regulation (EU) No 1260/2013 is not yet included in Annex A of the Bilateral Agreement in the field of Statistics with Switzerland.

Chart 1: Date of first transmission of UNIDEMO1260 Reference Year 2015 by country



Note: Andorra, Republic of Bosnia and Herzegovina, Monaco, Republic of Moldova and San Marino are not displayed because they have not yet submitted UNIDEMO1260 RY2015 data.

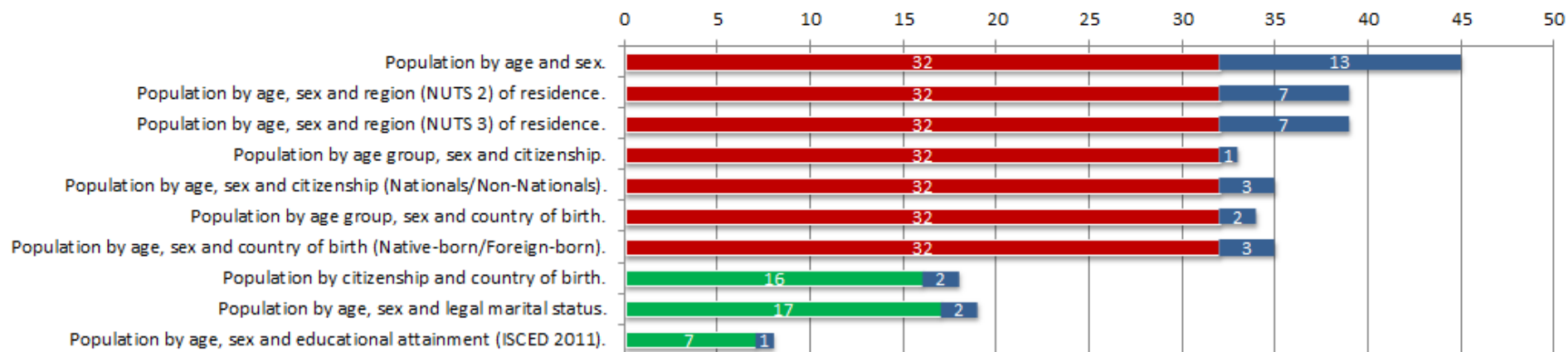
Chart 2: Date of first transmission of UNIDEMO862 Reference Year 2015 by country



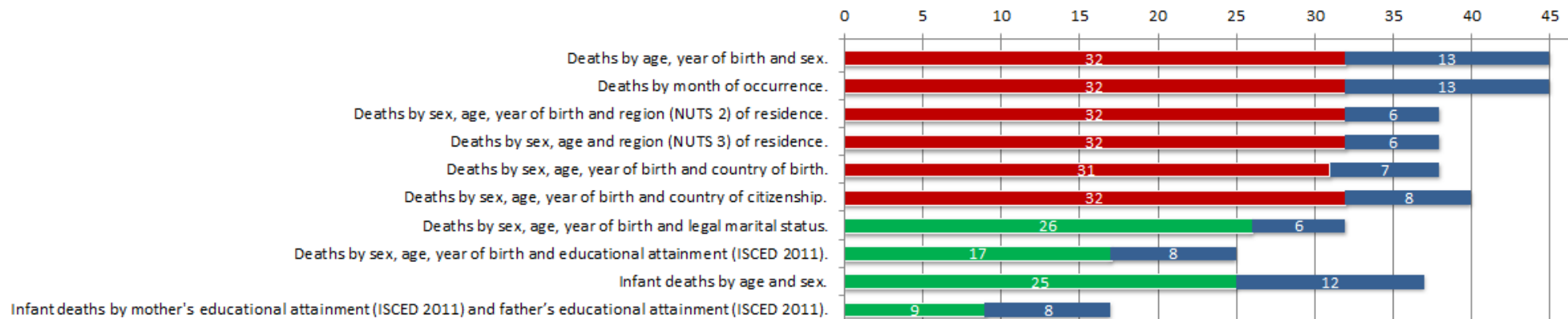
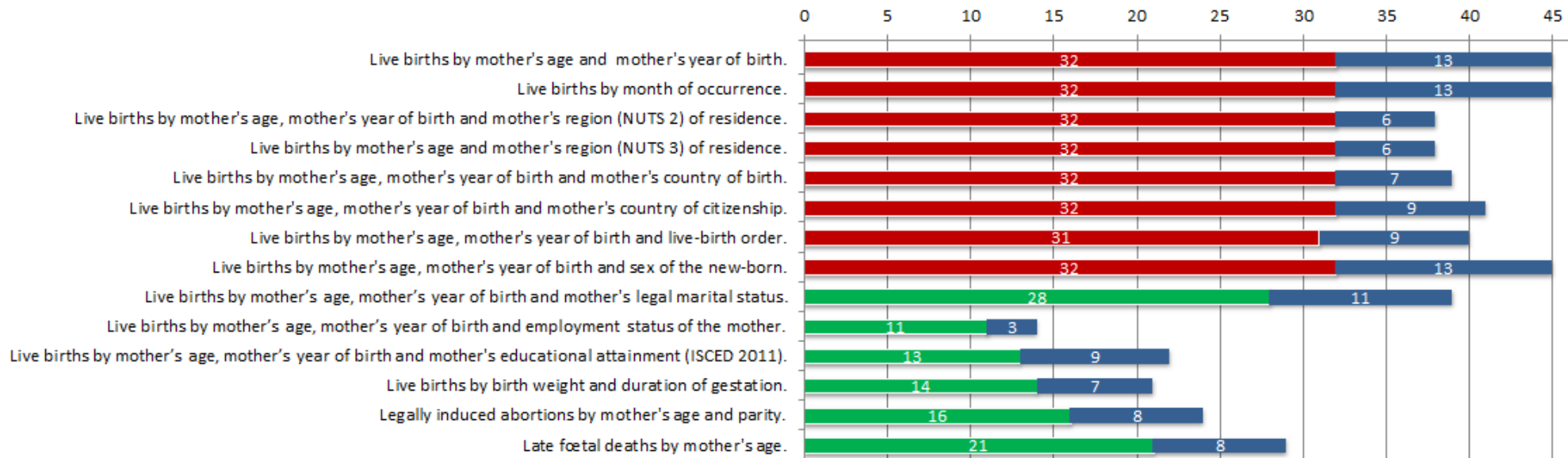
Note: Andorra transmitted UNIDEMO862 RY2015 data on 22 May 2017. Republic of Bosnia and Herzegovina, Monaco, Republic of Moldova, San Marino and Kosovo⁵ are not displayed because they have not yet submitted UNIDEMO862 RY2015 data.

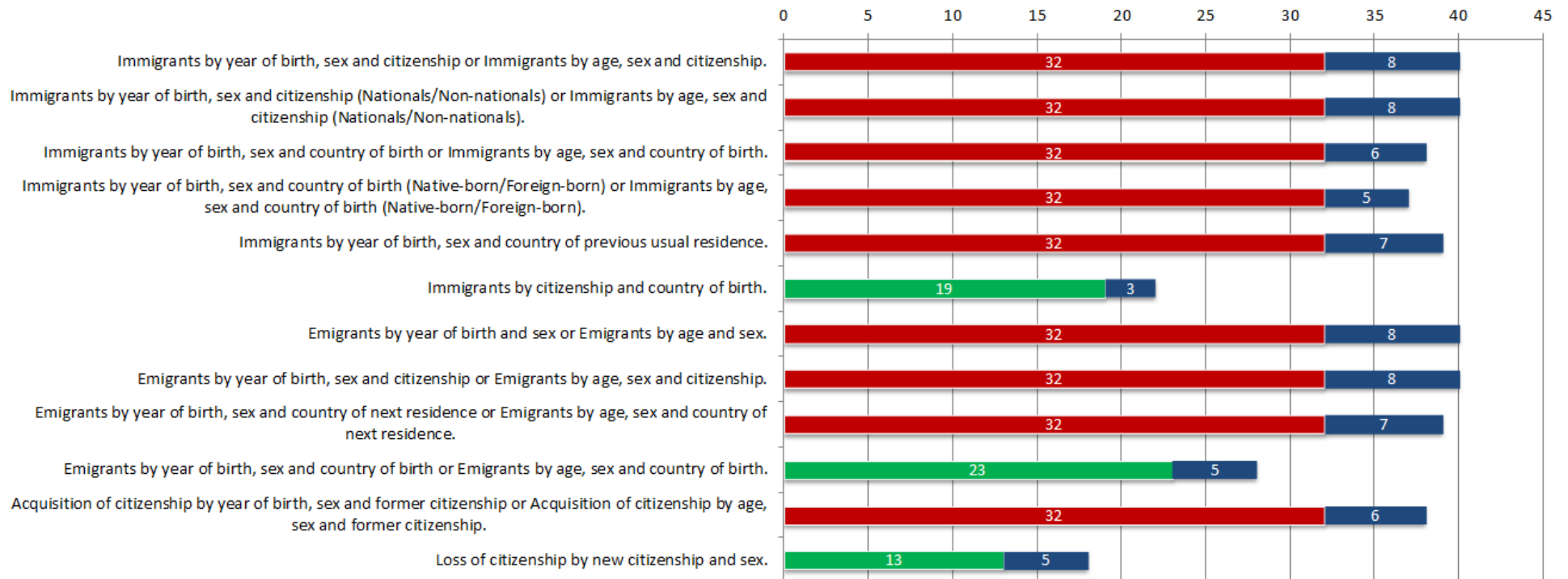
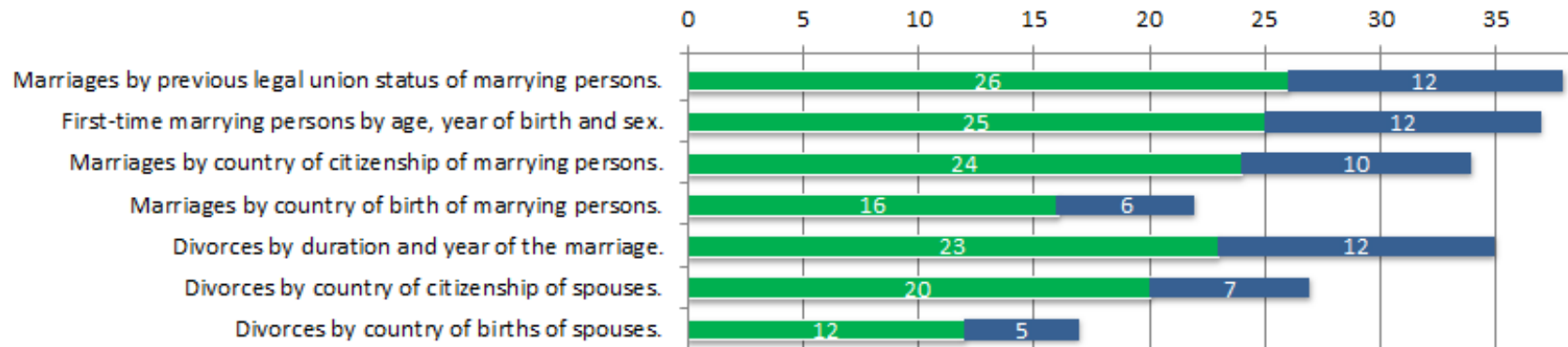
⁵ Kosovo (under UNSCR 1244)

Chart 4: Number of countries providing data by UNIDEMO Reference year 2015 table.



- EU28 and EFTA (mandatory data)
- EU28 and EFTA (voluntary data)
- Non EU28 and Non EFTA (voluntary data)





Eurostat welcomes the fact that the majority of data providers are continuing to supply voluntary data disaggregated by single country/citizenship for Regulation (EC) No 862/2007. As stated in the Guidelines to the data collection, the availability of detailed data is important to compute EU aggregates, to get further elements to evaluate data accuracy and therefore, to satisfy user's needs.

As you are aware of it, the data required under the Regulation reflect the evolving needs of the users while taking into account the capacity of the data providers. This could lead to future amendments of the Regulation in order to add new data categories or specific disaggregation and /or eliminate data requirements whenever they are considered less useful.

Currently, please note that the most important identified data gaps are:

- 1) **population by single country of citizenship**
- 2) **immigration by single previous country of residence**
- 3) **emigration by single next country of residence**

These gaps are not addressed successfully under the framework of voluntary agreements so far because the response rate is not complete and a complete set of data for all Member States is necessary to prepare EU aggregates like the top citizenships of EU-citizens living in others EU Member States that are not available currently.

Another consequence is that there is not an intra-European mobility matrix under harmonized definition (12-month time criteria).

We would appreciate that you help us to achieve a better coverage of information needs related to migration and migrant population by transmitting tables by single country/citizenship.

Eurostat thanks the data providers that transmitted the entire set of voluntary tables and particularly the tables by single country/citizenship.

Table 1: List of countries providing the voluntary part of Reg. 862/2007 by detail of the breakdown for reference years 2013-2015 (total number of countries between brackets)

	single country 2013	single country 2014	single country 2015	country group 2015
Immigration by country of previous residence	BE, BG, DK, EE, IE, ES, IT, LT, NL, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH, HR (20)	BE, BG, DK, EE, IE, ES, IT, LT, NL, AT, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH, HR (21)	BE, BG, DK, EE, IE, ES, IT, LT, NL, AT, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH, HR (21)	CZ, DE, EL, FR, CY, LV, LU, HU, MT, PL, PT (11)
Immigration by citizenship	BE, BG, CZ, DK, EE, IE, ES, IT, LT, LU, HU, NL, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH, HR (23)	BE, BG, CZ, DK, EE, IE, ES, IT, LV, LT, LU, HU, NL, AT, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH, HR (25)	BE, BG, CZ, DK, EE, IE, ES, IT, LV, LT, LU, HU, NL, AT, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH, HR (25)	DE, EL, CY, LV, MT, PL, PT (7)
Immigration by country of birth	BE, BG, CZ, DK, EE, IE, ES, IT, LT, LU, HU, NL, RO, SI, SK, FI, SE, UK, IS,	BE, BG, CZ, DK, EE, IE, ES, IT, LV, LT, LU, HU, NL, AT, RO, SI, SK, FI,	BE, BG, CZ, DK, EE, IE, ES, IT, LT, LU, HU, NL, AT, RO, SI, SK, FI, SE,	DE, EL, FR, CY, LV, MT, PL, PT (8)

	single country 2013	single country 2014	single country 2015	country group 2015
	LI, NO, CH, HR (23)	SE, UK, IS, LI, NO, CH, HR (25)	UK, IS, LI, NO, CH, HR (24)	
Emigration by country of next residence	BE, BG, DK, EE, IE, ES, IT, LT, NL, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH (19)	BE, BG, DK, EE, IE, ES, IT, LT, NL, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH (19)	BE, BG, DK, EE, IE, ES, HR, IT, LT, NL, AT, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH (21)	CZ, DE, EL, FR, CY, LV, LU, HU, MT, PL, PT (11)
Emigration by citizenship	BE, BG, DK, EE, IE, ES, IT, LT, LU, HU, NL, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH, HR (22)	BE, BG, CZ, DK, EE, IE, ES, IT, LV, LT, LU, HU, NL, AT RO, SI, SK, FI, SE, UK, IS, LI, NO, CH, HR (25)	BE, BG, CZ, DK, EE, IE, ES, IT, LT, LU, HU, NL, AT RO, SI, SK, FI, SE, UK, IS, LI, NO, CH, HR (24)	DE, EL, FR, CY, LV, MT, PL, PT (8)
Emigration by country of birth	BE, BG, DK, ES, IT, LT, LU, HU, SI, FI, SE, IS, LI, NO, CH, HR (16)	BE, BG, DK, ES, IT, LV, LT, LU, HU, NL, AT, SI, FI, SE, IS, LI, NO, CH, HR (19)	BE, BG, DK, EE, ES, IT, LT, LU, HU, NL, AT, SI, RO, FI, SE, IS, LI, NO, CH (19)	DE, HR, LV, PL(4)
Population by citizenship	BE, BG, CZ, DK, DE, EE, IE, ES, IT, LV, LT, HU, NL, PT, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH (24)	BE, BG, CZ, DK, DE, EE, IE, ES, IT, LV, LT, HU, NL, AT, PT, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH (25)	BE, BG, CZ, DK, DE, EE, IE, EL , ES, FR , HR , IT, LV, LT, LU , HU, NL, AT, PL , PT, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH (30)	CY, MT (2)
Population by country of birth	BE, BG, CZ, DK, EE, IE, ES, IT, LV, LT, HU, NL, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH, BY (23)	BE, BG, CZ, DK, EE, IE, ES, IT, LV, LT, HU, NL, AT, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH (23)	BE, BG, CZ, DK, EE, IE, ES, IT, LV, LT, HU, NL, AT, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH (23)	DE, EL, FR, HR, CY, LU, MT, PL, PT (9)

2.3. Comparability

Eurostat is requesting data providers to supply specific metadata for UNIDEMO data collection describing the definitions used and the quality of the statistical outputs to assess if standards are applied.

To ensure comparability in the statistics produced, Eurostat verifies whether the received data are consistent internally and over time, and comparable between regions and countries, in line with principles of the European Statistics Code of Practice⁹ and the provisions of Regulation (EC) No 223/2009¹⁰ on European statistics. Regarding comparability between countries, the Regulation (EC) No 862/2007 establishes harmonised definitions for the data supplied to the Commission.

⁹European Statistics Code of Practice

<http://ec.europa.eu/eurostat/documents/3859598/5921861/KS-32-11-955-EN.PDF/5fa1ebc6-90bb-43fa-888f-dde032471e15>

¹⁰Commission Regulation(EC) No 223/2009 of the European Parliament and of the Council on European statistics
<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:087:0164:0173:EN:PDF>

Focussing on the definitions of migration flows and acquisitions of citizenship:

- 30 countries applied the 12-month time criterion whilst 2 countries reported that the time criterion applied is different. This is because the national statistical definition of emigration was based on a six month criterion for some countries of next residence (Nordic agreement), although the impact is declared as negligible.
- 30 countries provided acquisitions of citizenship by persons living in the country and 2 countries reported that acquisitions of citizenship data included those of persons not living in the country. This latter is different from the required harmonized definition because persons not living in the country were included, although the impact is declared as negligible.

A synoptic view of the information reported on these migration definitions issues in the metadata is reported in Table 2 and Table 3 below.

Table 2: Countries by time criteria used for the definition of migration and typology of flow for the reference year 2015

		1. Actual 12-month	2. Intended 12-month	3. Actual and intended 12-month	4. Other
Nationals	Immigrants	AT, BE, CH, CZ, DK, EE, IS, NL, RO, NO	DE, HU, IT, FI, SE, UK	BG, CY, EL, ES, FR, HR, IE, LT, LU, LV, MT, PL, PT, SI, SK, LI	
	Emigrants	AT, BE, CH, CZ, DE, DK, EE, IS, NL, RO, NO	HU, IT, UK	BG, CY, EL, ES, FR, HR, IE, LT, LU, LV, MT, PL, PT, SI, SK, LI	FI, SE
EEA citizens	Immigrants	AT, BE, CH, DE, DK, EE, IS, NL, RO, NO	HU, FI, IT, SE, UK	BG, CY, CZ, EL, ES, FR, HR, IE, LT, LU, LV, MT, PL, PT, SI, SK, LI	
	Emigrants	AT, BE, CH, DE, DK, EE, IS, NL, RO, NO	CZ, HU, IT, UK	BG, CY, EL, ES, FR, HR, IE, LT, LU, LV, MT, PL, PT, SI, SK, LI	FI, SE
Non EEA citizens	Immigrants	AT, BE, CH, DE, DK, IS, NL, RO, NO	HU, FI, IT, SE, UK	BG, CY, CZ, EE, EL, ES, FR, HR, IE, LT, LU, LV, MT, PL, PT, SI, SK, LI	
	Emigrants	AT, BE, CH, DE, DK, EE, IS, NL, RO, NO	CZ, HU, IT, UK	BG, CY, EL, ES, FR, HR, IE, LT, LU, LV, MT, PL, PT, SI, SK, LI	FI, SE

Table 3: Countries by definition of acquisitions of citizenship for reference year 2015

1. Acquisitions by persons living in the country	2. Other
AT, BE, BG, CH, CY, CZ, DE, EE, EL, ES, FI, FR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MT, NL, PL, PT, RO, SI, SK, SE, NO	DK, UK

Regarding population definitions, Art. 3.2 of the Regulation (EU) 1260/2013 reads “*Member States shall provide the Commission (Eurostat) with data on their vital events that occurred during the reference period. Member States shall use the same population definition that they use for the data on usually resident population*”.

32 countries applied the same population definition for vital events and population. A synoptic view of the information reported on these demographic definitions issues in the metadata is reported in Table 4 and Table 5 below.

Table 4: Countries by definition used for population and vital events statistics for reference year 2015

1. Using the same population definition for data population and data on vital events	2. Other.
AT, BE, BG, CZ, CH, CY, DE, DK, EE, EL, ES, FI, FR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MT, NL, NO, PL, PT, RO, SI, SK, SE, UK	

Table 5: Countries by definition used for population, vital events and migration statistics for reference year 2015

1. Using the same population definition for data population , data on vital events and data on migration flows	2. Other.
AT, BE, BG, CH, CY, EE, EL, ES, FI, FR, HR, HU, IE, IT, LI, LT, LU, LV, MT, NO, PT, RO, SI, SK, SE, UK	DE, PL, NL, DK, CZ, IS

Table 6: Countries by population of reference for data on population and data on vital events

	1. Usually Resident Population(11)	2. Legal Residence Population (12)	3. Registered Residence Population(13)	4. Other
Population	BG, CZ ¹⁴ , CY, DE, EE, EL, ES, FI, FR, HR, HU, IE, IT, LT, LU, LV, MT, NO, PL, PT, RO, SI, SK ¹⁵ , UK, RS	CH, LI, FI	AT, BE, CZ, DE, DK, ES, IS, NL, SE	
Live births	BG, CY, DE, EE, EL, ES, FI, FR, HR, HU, IE, IT, LT, LU, LV, MT, NO, PL, PT, RO, SI, SK ¹⁶ , UK ¹⁷ , RS	CH, LI, FI	AT, BE, CZ, DE, DK, ES, IS, NL, SE	
Deaths	BG, CY, DE, EE, EL, ES, FI, FR, HR, HU, IE, IT, LT, LU, LV, MT, NO, PL, PT, RO, SI, SK, UK ¹⁸ , RS	CH, LI, FI	AT, BE, CZ, DE, DK, ES, IS, NL, SE	

¹¹ 'Usually Resident Population' as stated in Article 2 of Regulation 1260/2013.

¹² 'Legal Residence Population' is composed of those persons who are entitled to be settled in the country at the reference date, either by holding the national citizenship or by other authorization issued by national authorities.

¹³ 'Registered Residence Population' is composed of those persons who are listed on one or more registers owned by national authorities at the reference date. Each registered person shall be counted only once.

¹⁴ for non-nationals

¹⁵ permanent residence

¹⁶ misclassification of vital events (live births) and migrations (immigrants)

¹⁷ only events occurring in the country

¹⁸ only events occurring in the country

2.4. Accuracy

Although improvements were achieved in the area of Article 3 Regulation (EC) 862/2007, what remains difficult to be measured, are:

- 1) Persons living in the country on unauthorised or irregular basis.
- 2) Persons who did not register/de-register.

We are aware of the fact that since 2008 countries have improved the quality of the statistics transmitted to Eurostat by using additional sources (Health Insurance Registers, Tax Registers, Census 2011, estimation methods based on the Gross Domestic Product, residency index ...) and in particular the mirror flows reported by partner countries in order to solve coverage errors due to the non-propensity to register and de-register, and, as a consequence, the underestimation of emigration flows and double counting of part of the population stocks.

The countries used the following three strategies to improve quality:

- 1) exchange of data with other NSIs,
- 2) estimation techniques and
- 3) usage of additional administrative sources.

This work has been monitored by Eurostat by in-depth discussion and by facilitating the exchange of aggregated data/best practices among countries.

Just a quick reminder that, as agreed during the WG of April 2012, a dedicated restricted access CIRCABC¹⁹ interest group 'Exchange of data and best practices for international migration statistics' was set up on the European Commission's CIRCABC platform for the online exchange of information on 24 October 2012. This interest group is also an opportunity to learn from other NSIs best practices as well as to reflect on what mirror statistics can do for migration statistics.

Finally, some specific examples of accuracy problems that have emerged from the analysis (done so far) of data transmitted for the 2015 reference year are:

- 1) the misclassification of vital events (live births) and migrations (immigrants), which leads to a situation where over 60% of immigrants holding the immigration country citizenship are aged less than 5;
- 2) the evident discordance between the immigration figure and the sum of emigration figures towards the same country, when migration is limited to EU28 countries and vice versa;

¹⁹ Communication and Information Resource Centre for Administrations, Businesses and Citizens

2.5. Changes in Reference Year 2015 as compared to previous year

The following Table 7 summarises the country specific main 2015 RY data quality improvements compared with the UNIDEMO RY 2014:

Table 7: UNIDEMO RY 2015 – data improvements

Country	Main improvements with the 2015 RY data supplied
BE	<ul style="list-style-type: none"> • New data processing flow for the production of demography and migration statistics including the 12-month duration model and the cleaning of the asylum seeker register. Revised migrant population and migrations statistics were transmitted since reference year 2011.
IE	<ul style="list-style-type: none"> • Live births by mother's age, mother's year of birth and mother's legal marital status for the first time. • Live births by mother's age, mother's year of birth and employment status of the mother for the first time. • Live births by birth weight and duration of gestation for the first time. • Marriages by previous legal union status of marrying persons for the first time. • First-time marrying persons by age, year of birth and sex for the first time.
EL	<ul style="list-style-type: none"> • Population by single EU citizenship, estimated based on the last Population Census.
FR	<ul style="list-style-type: none"> • Live births by mother's age, mother's year of birth and mother's legal marital status since reference year 2012 • Infant deaths by age and sex since reference year 2013. • Marriages by previous legal union status of marrying persons since reference year 2013. • First-time marrying persons by age, year of birth and sex since reference year 2013. • Marriages by country of citizenship of marrying persons since reference year 2013. • Marriages by country of birth of marrying persons since reference year 2013. • Divorces by duration and year of the marriage since reference year 2012. • Population by single country of citizenship for the first time (only age Total)
HR	<ul style="list-style-type: none"> • Immigration by citizenship and country of birth for the first time • Population by single country of citizenship for the first time (only age Total) • Revised migration statistics for reference years 2008, 2009 and 2010.
LU	<ul style="list-style-type: none"> • Population by single country of citizenship for the first time (only sex and age Total)
AT	<ul style="list-style-type: none"> • Emigration by age, sex and single country of next residence
PL	<ul style="list-style-type: none"> • Revised regional demographic data for reference years 2012 and 2013 due to NUTS2013 change. • Population by single country of citizenship for the first time (only age Total)

Country	Main improvements with the 2015 RY data supplied
PT	<ul style="list-style-type: none"> • Live births by mother's age, mother's year of birth and mother's legal marital status. • Live births by mother's age, mother's year of birth and employment status of the mother. • Infant deaths by age and sex. • Acquisitions by both age definitions
SK	<ul style="list-style-type: none"> • Revised migration statistics for reference years 2008, 2009 and 2010.
UK	<ul style="list-style-type: none"> • Late foetal deaths by mother's age. • Deaths by sex, age, year of birth and legal marital status.
LI	<ul style="list-style-type: none"> • Live births by mother's age, mother's year of birth and employment status of the mother.
CH	<ul style="list-style-type: none"> • Marriages by country of birth of marrying persons.
IS	<ul style="list-style-type: none"> • Population by citizenship and country of birth for the first time.

By contrast, some data providers no longer supply voluntary data that they used to transmit in the previous Unified Demographic data collection reference year 2014. The following Table 8 summarises the changes occurred between the two latest demographic data collections.

Table 8: List of countries by table and provision of data in two consequent demographic data collection (countries which changed status between the two data collection highlighted in red)

Name of the table	Table sent for UNIDEMO 2014		Table sent for UNIDEMO 2015	
	Yes	No	Yes	No
Population by citizenship and country of birth	BE, BG, DK, ES, IT, LV, HU, SI, SK, FI, SE, NO, CH, TR (14)	CZ, DE, EE, IE, EL, FR, HR, CY, LT, LU, MT, NL , AT, PL, PT, RO, UK, IS, LI , ME, MK, RS, AL, AD, AM, AZ, BA, BY, GE, MC, MD, RU, SM, XK, UA(35)	BE, BG, DK, EE, ES, IT, LV, HU, NL , SI, SK, FI, SE, IS , NO, CH, TR , AD (18)	CZ, DE, IE, EL, FR, HR, CY, LT, LU, MT, AT, PL, PT, RO, UK, LI, ME, MK, RS, AL, AM, AZ, BA, BY, GE, MC, MD, RU, SM, UA, XK (31)
Population by age, sex and legal marital status.	BG, CZ, DK, DE, IT, LV, LT, HU, NL, SI, SK, FI, SE, LI, NO, CH, TR, AZ (18)	BE, EE, IE, EL, ES, FR, HR, CY, LU, MT, AT, PL, PT, RO, UK, IS, ME, MK, RS, AD, AL, AM, BA, BY , GE, MC, MD, RU, SM, UA, XK (31)	BG, CZ, DK, DE, EE, IT, LV, LT, HU, NL, SI, SK, FI, SE, LI, NO, CH, TR, AZ (19)	BE, IE, EL, ES, FR, HR, CY, LU, MT, AT, PL, PT, RO, UK, IS, ME, MK, RS, AD, AL, AM, BA, BY, GE, MC, MD, RU, SM, UA, XK (30)

Name of the table	Table sent for UNIDEMO 2014		Table sent for UNIDEMO 2015	
	Yes	No	Yes	No
Population by age, sex and educational attainment (ISCED 2011).	DK, SI, SK, FI, SE, NO, TR (7)	BE, BG, CZ, DE, EE, IE, EL, ES, FR, HR, IT, CY, LV, LT, LU, HU, MT, NL, AT, PL, PT, RO, UK, IS, LI, CH, ME, MK, RS, AD, AL, AM, AZ, BA, BY, GE, MC, MD, RU, SM, XK (42)	DK, EE, SI, SK, FI, SE, NO, TR (8)	BE, BG, CZ, DE, IE, EL, ES, FR, HR, IT, CY, LV, LT, LU, HU, MT, NL, AT, PL, PT, RO, UK, IS, LI, CH, ME, MK, RS, AD, AL, AM, AZ, BA, BY, GE, MC, MD, RU, SM, UA, XK (41)
Live births by mother's age, mother's year of birth and mother's legal marital status.	BG, CZ, DK, DE, EL, ES, HR, IT, LV, LT, LU, HU, MT, NL, PL, PT, RO, SI, SK, FI, SE, LI, NO, CH, MK, RS, TR, BY, AZ, GE, UA, RU (32)	BE, EE, IE, FR, CY, AT, UK, IS, AD, AL, AM, BA, MC, MD, SM, XK, ME (17)	BG, CZ, DK, DE, EE, IE, EL, ES, FR, HR, IT, LV, LT, LU, HU, MT, NL, PL, PT, RO, SI, SK, FI, SE, UK, LI, NO, CH, MK, RS, TR, AD, AM, AZ, BY, GE, RU, UA, XK (39)	BE, CY, AT, IS, ME, AL, BA, MD, MC, SM (10)
Live births by mother's age, mother's year of birth and employment status of the mother.	DK, EL, ES, HR, LU, HU, PL, PT, RO, FI, NO, MK, RS, AZ, RU (15)	BE, BG, CZ, DE, EE, IE, FR, IT, CY, LV, LT, MT, NL, AT, SI, SK, SE, UK, IS, LI, CH, ME, TR, AD, AL, AM, BA, BY, GE, MC, MD, SM, UA, XK (34)	DK, IE, EL, ES, HR, HU, PT, RO, FI, LI, NO, MK, RS, RU (14)	BE, BG, CZ, DE, EE, FR, IT, CY, LV, LT, LU, MT, NL, AT, PL, SI, SK, SE, UK, IS, CH, ME, TR, AD, AL, AM, AZ, BA, BY, GE, MC, MD, SM, UA, XK (35)
Live births by mother's age, mother's year of birth and mother's educational attainment (ISCED 2011).	CZ, DK, EL, ES, HR, HU, PL, PT, RO, SK, FI, SE, NO, MK, RS, TR, AZ, RU (18)	BE, BG, DE, EE, IE, FR, IT, CY, LV, LT, LU, MT, NL, AT, SI, UK, IS, LI, CH, ME, AD, AL, AM, BA, BY, GE, MC, MD, SM, UA, XK (31)	CZ, DK, EL, ES, HR, HU, PL, PT, RO, SK, FI, SE, NO, MK, RS, TR, AD, AM, AZ, BY, RU, XK (22)	BE, BG, DE, EE, IE, FR, IT, CY, LV, LT, LU, MT, NL, AT, SI, UK, IS, LI, CH, ME, AL, BA, GE, MC, MD, SM, UA (27)
Live births by birth weight and duration of gestation.	BG, CZ, EL, ES, LT, HU, MT, PL, PT, RO, SK, FI, MK, RS, AL, BY, SM, AZ, GE, MD (20)	BE, DK, DE, EE, IE, FR, HR, IT, CY, LV, LU, NL, AT, SI, SE, UK, IS, LI, NO, CH, ME, TR, AD, AM, BA, MC, RU, UA, XK (29)	BG, CZ, IE, EL, ES, LT, HU, MT, PL, PT, RO, SK, FI, CH, MK, RS, AD, AM, AZ, BY, XK (21)	BE, DK, DE, EE, FR, HR, IT, CY, LV, LU, NL, AT, SI, SE, UK, IS, LI, NO, ME, TR, AL, BA, GE, MC, MD, RU, UA, SM (28)

Name of the table	Table sent for UNIDEMO 2014		Table sent for UNIDEMO 2015	
	Yes	No	Yes	No
Legally induced abortions by mother's age and parity.	BG, CZ, EE, ES, DK, DE, HR, LV, LT, HU, PL, PT, RO, SK, FI, CH, ME, BY, AZ, UA (20)	BE, IE, EL, FR, IT, CY, LU, MT, NL, AT, SI, SE, UK, IS, LI, NO, MK, RS, TR, AD, AL, AM, BA, GE, MC, MD, RU, SM, XK (29)	BG, CZ, DE, EE, ES, HR, LV, LT, HU, PL, PT, RO, SI, SK, FI, CH, ME, AL, AD, AM, AZ, BY, GE, RU (24)	BE, DK, IE, EL, FR, IT, CY, LU, MT, NL, AT, SE, UK, IS, LI, NO, MK, RS, TR, BA, MC, MD, SM, UA, XK (25)
Late foetal deaths by mother's age.	BG, CZ, EE, DE, DK, EL, ES, HR, LV, LT, LU, HU, NL, PL, PT, RO, SK, FI, SE, NO, CH, MK, RS, BY, AZ, GE, UA (27)	BE, IE, FR, IT, CY, MT, AT, SI, UK, IS, LI, ME, TR, AD, AL, AM, BA, MC, MD, RU, SM, XK (22)	BG, CZ, DE, EE, EL, ES, HR, LV, LT, LU, HU, NL, PT, RO, SI, SK, FI, SE, UK, NO, CH, MK, RS, AD, AZ, BY, GE, RU, UA (29)	BE, DK, IE, FR, IT, CY, MT, AT, PL, IS, LI, ME, TR, AL, AM, BA, MC, MD, SM, XK (20)
Deaths by sex, age, year of birth and legal marital status.	BG, CZ, EE, DK, EL, ES, HR, IT, LV, LT, LU, HU, MT, NL, PL, PT, RO, SI, SK, FI, SE, LI, NO, CH, ME, MK, RS, TR, AL, AZ, GE (31)	BE, IE, FR, CY, DE, AT, UK, IS, AD, AM, BA, BY, MC, MD, RU, SM, UA, XK (18)	BG, CZ, DK, DE, EE, EL, ES, HR, IT, LV, LT, LU, HU, MT, NL, PL, PT, RO, SI, SK, FI, SE, UK, LI, NO, CH, MK, RS, TR, AD, AZ, GE, (32)	BE, IE, FR, CY, AT, IS, ME, AL, AM, BA, BY, MC, MD, RU, SM, UA, XK (17)
Deaths by sex, age, year of birth and educational attainment (ISCED 2011).	BG, CZ, DK, EE, EL, ES, HR, IT, HU, PL, PT, RO, SI, SK, FI, SE, NO, MK, RS, BY, AZ (21)	BE, DE, IE, FR, CY, LV, LT, LU, MT, NL, AT, UK, IS, LI, CH, ME, TR, AD, AL, AM, BA, GE, MC, MD, RU, SM, UA, XK (28)	BG, CZ, DK, EE, EL, ES, HR, IT, HU, PL, PT, RO, SI, SK, FI, SE, NO, MK, RS, TR, AD, AM, AZ, BY, RU (25)	BE, DE, IE, FR, CY, LV, LT, LU, MT, NL, AT, UK, IS, LI, CH, ME, AL, BA, GE, MC, MD, SM, UA, XK (24)
Infant deaths by age and sex.	BG, CZ, DK, EE, DE, EL, ES, FR, HR, LV, LT, LU, HU, IT, NL, MT, PL, PT, RO, SI, SK, FI, SE, UK, LI, NO, CH, ME, MK, RS, TR, AL, BY, SM, AZ, MD, RU, UA, GE (39)	BE, IE, CY, AT, IS, AD, AM, BA, MC, XK (10)	BG, CZ, DK, DE, EE, EL, ES, FR, HR, LV, LT, LU, HU, MT, NL, PL, PT, RO, SI, SK, FI, SE, UK, NO, CH, ME, MK, RS, TR, AL, BY, XK, RU, UA, AD, AM, AZ, GE (38)	BE, IE, IT, CY, AT, IS, LI, BA, MC, MD, SM (11)

Name of the table	Table sent for UNIDEMO 2014		Table sent for UNIDEMO 2015	
	Yes	No	Yes	No
Infant deaths by mother's educational attainment (ISCED 2011) and father's educational attainment (ISCED 2011).	CZ, EE, HU, PT, RO, SI, FI, SE, NO, MK, RS, BY (12)	BE, BG, DK, DE, IE, EL, ES, FR, HR, IT, CY, LV, LT, LU, MT, NL, AT, PL, SK, UK, IS, LI, CH, ME, TR, AD, AL, AM, AZ, BA, GE, MC, MD, RU, SM, UA, XK (37)	CZ, EE, HU, PT, RO, SI, FI, SE, NO, MK, RS, TR, AD, AM, RU, UA, XK (17)	BE, BG, DK, DE, IE, EL, ES, FR, HR, IT, CY, LV, LT, LU, HU, MT, NL, AT, PL, SK, UK, IS, LI, CH, ME, AL, BA, BY, GE, MC, MD, SM (32)
Marriages by previous legal union status of marrying persons.	BG, CZ, DK, EE, DE, EL, ES, HR, IT, LV, LT, LU, HU, MT, NL, PL, PT, RO, SI, SK, FI, SE, NO, CH, ME, MK, RS, TR, BY, SM, AZ, GE, MD, RU, UA (35)	BE, IE, FR, CY, AT, UK, IS, LI, AD, AL, AM, BA, MC, XK(14)	BG, CZ, DK, DE, EE, IE, EL, ES, FR, HR, IT, LV, LT, LU, HU, MT, NL, PL, PT, RO, SI, SK, FI, SE, NO, CH, ME, MK, RS, TR, AD, AM, AZ, BY, GE, RU, UA, XK (38)	BE, CY, AT, UK, IS, LI, AL, BA, MC, MD, SM (11)
First-time marrying persons by age, year of birth and sex.	BG, CZ, DK, EE, DE, EL, ES, HR, IT, LV, LT, LU, HU, NL, PL, PT, RO, SI, SK, FI, SE, NO, CH, ME, MK, RS, TR, BY, SM, UA, AZ, RU, GE (33)	BE, IE, FR, CY, MT, AT, UK, IS, LI, AD, AL, AM, BA, MC, MD, XK (16)	BG, CZ, DK, DE, EE, IE, EL, ES, FR, HR, IT, LV, LT, LU, HU, NL, PL, PT, RO, SI, SK, FI, SE, NO, CH, ME, MK, RS, TR, AD, AM, AZ, BY, GE, RU, UA, XK (37)	BE, CY, MT, AT, UK, IS, LI, AL, BA, MC, MD, SM (12)
Marriages by country of citizenship of marrying persons.	BG, CZ, DK, EE, EL, ES, HR, IT, LV, LT, LU, HU, MT, NL, PL, PT, RO, SI, SK, FI, SE, NO, CH, TR, ME, MK, RS, AL, SM, GE, AZ, BY, UA (33)	BE, DE, IE, FR, CY, AT, UK, IS, LI, AD, AM, BA, MC, MD, RU, XK (16)	BG, CZ, DK, EE, EL, ES, FR, HR, IT, LV, LT, LU, HU, MT, NL, PL, PT, RO, SI, SK, FI, SE, NO, CH, ME, MK, RS, TR, AD, AL, AZ, BY, GE, UA (34)	BE, DE, IE, CY, AT, UK, IS, LI, AM, BA, MC, MD, RU, SM, XK (15)
Marriages by country of birth of marrying persons.	DK, EL, ES, EE, IT, LT, LU, NL, PT, RO, SI, FI, SE, NO, GE, AZ (16)	BE, BG, CZ, DE, IE, FR, HR, CY, HU, MT, LV, AT, PL, SK, UK, IS, LI, CH, ME, MK, RS, TR, AD, AL, AM, BA, BY, MC, MD, RU, SM, UA, XK(33)	DK, EE, EL, ES, FR, IT, LT, LU, NL, PT, RO, SI, FI, SE, NO, CH, RS, TR, AD, AZ, GE, XK (22)	BE, BG, CZ, DE, IE, HR, CY, LV, HU, MT, AT, PL, SK, UK, IS, LI, ME, MK, AL, AM, BA, BY, MC, MD, RU, SM, UA (27)

Name of the table	Table sent for UNIDEMO 2014		Table sent for UNIDEMO 2015	
	Yes	No	Yes	No
Divorces by duration and year of the marriage.	BG, CZ, DE , EE, DK, ES, HR, IT , LV, LT, LU, HU, MT, NL, PL, RO, SI, SK, FI, SE, NO, CH, ME, MK, RS, TR, BY, SM , RU , UA , AZ, GE (32)	BE, IE, EL , FR, CY, AT, PT , UK, IS, LI, AD, AL, AM, BA, MC, MD, XK (17)	BG, CZ, DK, DE, EE, ES, FR , HR , IT, LV, LT, LU, HU, MT, NL, PL, RO, SI, SK, FI, SE, NO, CH, ME, MK, RS, TR, AL , AD , AM , AZ , BY, GE , UA , XK (35)	BE, IE, EL, CY, AT, PT, UK, IS, LI, BA, MC, MD, RU, SM (14)
Divorces by country of citizenship of spouses.	BG, CZ, EE, DK, ES, HR, LT, LU, LV , HU, NL, PL, RO, SI, SK, FI, SE, NO, CH , MK, ME , RS, GE, UA, AZ (25)	BE, DE , IE, EL, FR, IT, CY, MT, AT, PT , UK, IS, LI, TR, AD, AL, AM, BA, BY, MC, MD, RU, SM, XK, (24)	BG, CZ, DK, EE, ES, HR, IT, LV, LT, LU, HU, NL, PL, RO, SI, SK, FI, SE, NO, CH, ME, MK, RS, TR , AD , AZ , GE (27)	BE, DE, IE, EL, FR, CY, MT, AT, PT, UK, IS, LI, AL, AM, BA, BY, MC, MD, RU, SM, UA, XK (22)
Divorces by country of births of spouses.	EE, DK, LT, LV , NL, RO, SI, FI, SE, NO, HR , AZ , UA , GE (14)	BE, BG, CZ, DE, IE, EL, ES, FR, IT, CY, LU, HU, MT, AT, PL, PT, SK, UK, IS, LI, CH, ME, MK, RS, TR, AD, AL, AM, BA, BY, MC, MD, RU, SM, XK, (35)	DK, EE, HR, IT, LV, LT, NL, RO, SI, FI, SE, NO, RS , TR , AD , AZ , GE (17)	BE, BG, CZ, DE, IE, EL, ES, FR, CY, LU, HU, MT, AT, PL, PT, SK, UK, IS, LI, CH, ME, MK, AL, AM, BA, BY, MC, MD, RU, SM, UA, XK (32)
Immigrants by citizenship and country of birth	BE, BG, DK, DE, ES, IT, LV, LT, LU, HU, NL , PL, SI, FI, SE, IS, NO, CH, ME , MK , AZ , UA (22)	CZ, EE, IE, EL, FR, CY, MT, AT, PT, RO, SK, UK, LI, HR, RS, TR, AL, AD, AM, BY, BA, GE, MC, MD, RU, SM, XK (27)	BE, BG, DK, DE, ES, HR, IT, LV, LT, LU, HU, NL, PL, SI, FI, SE, IS, NO, CH, MK, AZ, UA (22)	CZ, EE, IE, EL, FR, CY, MT, AT, PT, RO, SK, UK, LI, ME , RS, TR, AD, AL, AM, BA, BY, GE, MC, MD, RU, SM, XK (27)
Emigrants by age, sex and country of birth	BE, BG, DK, DE, ES, IT, LV, LT, LU, NL , AT , HU, FI, SE, IS, LI, NO, CH, ME, MK, HR, AZ , RU , UA (23)	CZ, EE, IE, EL, FR, CY, MT, PL , PT, RO, SI , SK, UK, RS, TR, AD, AL, AM, BA, BY, GE, MC, MD, SM, XK(26)	BE, BG, CZ, DK, DE, EE, IE, EL, ES, HR, IT, LV, LT, LU, HU, MT, NL, AT, PL, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH, ME, MK, AZ, BY, GE, RU, UA (36)	FR, CY, PT, RS, TR, AD, AL, AM, BA, MC, MD, SM, XK (13)

Name of the table	Table sent for UNIDEMO 2014		Table sent for UNIDEMO 2015	
	Yes	No	Yes	No
Loss of citizenship by new citizenship and sex	BE, BG, DK, EE, HR, LT, PL, SI, SK, SE, UK, LI, MK, TR(14)	CZ, DE, EL, ES, FR, IT, CY, LV, LU, HU, IE, MT, NL, AT, PT, RO, FI, IS, NO, CH, ME, RS, AD, AL, AM, AZ, BA, BY, GE, MC, MD, RU, SM, UA, XK(35)	BE, BG, DK, DE ES, HR, IT, LV, LT, LU, HU, NL, AT, PL, RO, SI, FI, SE, IS, LI, NO, CH, ME, MK, AZ, RU (26)	CZ, EE, IE, EL, FR, CY, MT, PT, SK, UK, RS, TR, AD, AL, AM, BA, BY, GE, MC, MD, SM, UA, XK (23)

3. NUTS-2013 AND NUTS-2016 CLASSIFICATIONS

3.1. NUTS-2013 classification – follow-up of the time series data transmissions

The NUTS classification in force (known as NUTS-2013) has as legal basis the [Commission Regulation \(EU\) No 868/2014](#) that entered into force on 8 August 2014 and applied, with regard to the transmission of data to the Commission (Eurostat), from 1 January 2015. This Regulation includes the territorial breakdowns changes for Portugal, Germany, Greece, France, Poland, Slovenia and United Kingdom²⁰.

All the above mentioned Members States had to send to Eurostat the historical time series (HTS) by 31 December 2016 in accordance with the [Commission Regulation \(EU\) No 2015/2381](#). These data transmissions were in accordance with the agreements reached during the previous Working Group on Population Statistics held in Luxembourg, on 2 and 3 June 2016, which required that for:

- the reference year 2013²¹ - all the data and data breakdowns were mandatory for sending and compliant with the EU legislative acts specific to demography domain, ensuring also data consistency with [European Parliament and Council Regulation \(EC\) No 862/2007](#) on Community statistics on migration and international protection and its implementing [Commission Regulation \(EU\) No 351/2010](#) in case that data revisions occurred for this reference year; and
- the reference years up to 2012²² (included) - all the data were provided having the agreed breakdowns and according to the feasibility of providing them.

Table 9 below summarises the times series of demographic data at regional level transmitted by the affected Members States and received by Eurostat by 31st December 2016. Data for the reference year 2013 were sent by all concerned countries²³.

²⁰ For Germany, Greece, France, Poland, Slovenia and United Kingdom the changes in the territorial breakdown corresponding to the NUTS-2013 classification were included for the first time in the [Commission Regulation \(EU\) No 1319/2013](#). These two legal acts, [Commission Regulation \(EU\) No 868/2014](#) and [Commission Regulation \(EU\) No 1319/2013](#), shall be considered in connexion when referring to the NUTS-2013 classification and applied, with regard to the transmission of data to the Commission (Eurostat), from 1st January 2015.

²¹ UNIDEMO1260 template was used for data transmission for the reference year 2013.

²² The template corresponding to the past/old structure of the questionnaire was used for data transmission for the reference years up to 2012 included. The main difference between the two templates stands for the regions at NUTS 3 level, for which data are collected with a reduced breakdown for the reference years before 2013.

²³ As Mayotte become part of the EU territory starting from 01/01/2014, France sent revised data for the reference year 2013 corresponding to the NUTS-2010 classification that did not include Mayotte.

Table 9: NUTS-2013 - Summary of the time series data received by Eurostat until 31 December 2016

Member State	Starting year (reference year)	Time series data on	Comments
Germany	2010	population	post-2011 census revised data
	2013	live births, deaths	
Greece	1991	population, live births, deaths	
Poland	2010	population	
	2009	live births, deaths	
Portugal	1992	population	
	1990	live births, deaths	
	2003	total surface including inland water	
Slovenia	2003	population, live births, deaths	
United Kingdom	2001	population	Revised datasets for population by country of birth and for population by citizenship for the reference years 2011, 2012 and 2013 were received by Eurostat on 07/04/2017.
	2013	live births, deaths	

Consequently, for the new NUTS-2013 regions the data availability and the derived statistics (indicators) published on Eurostat website were extended backwards in accordance with these data transmissions.

3.2. NUTS-2016 classification

The new NUTS classification (known as NUTS-2016) was adopted by the [Commission Regulation \(EU\) 2016/2066](#), entered into force on 19 December 2016 and shall be applied, regarding the transmission of data to the Commission (Eurostat), from 1st January 2018.

The UNIDEMO1260 data collection for the reference year 2017 (UNIDEMO RY 2017) will include for the first time the NUTS-2016 classification. The nine Member States affected by this new classification are: Germany (DE), Ireland (IE), France (FR), Lithuania (LT), Hungary (HU), The Netherlands (NL), Poland (PL), Finland (FI) and the United Kingdom (UK).

The affected NUTS levels and the types of changes in the context of the new NUTS-2016 classification are summarised in the Table 10.

Table 10: NUTS-2016 - Member States affected and the changes by NUTS level

Member State	NUTS 1	NUTS 2	NUTS 3
Germany	-	-	- Cochem-Zell recoded from DEB16 into DEB1C - Rhein-Hunsrück-Kreis recoded from DEB19 into DEB1D due to boundary change - merge of DE915 Göttingen and DE919 Osterode am Harz into DE91C Göttingen
Ireland		structure revised from 2 into 3 regions	regions reassigned and partially relabelled
France	7 out of 9 regions disbanded; 12 new regions created; 2 regions with name changes	many regions reassigned due to revised NUTS 1 structure	-
Lithuania	-	Lietuva split into two: Sostinės regionas and Vidurio ir vakaru Lietuvos regionas (Capital Region and Central and Western Lithuania Region)	- Vilniaus apskritis (NUTS 3 region) reassigned to new NUTS 2 region LT01 Sostinės regionas (Capital Region) - recodings due to establishment of new regions at NUTS 2 level
Hungary	-	Közép-Magyarország (HU10) split into two: Budapest (HU11) and Pest (HU12)	NUTS 3 regions of Budapest (previous HU10, now Budapest HU11) and Pest (previously HU10, now Pest HU12) reassigned
The Netherlands	-	-	NL121, 122, 123, 338, 339, 322 and 326 recoded into NL124, 125, 126, 33B, 33C, 328 and 329 due to boundary changes; (7 regions with boundary changes)
Poland	3 out of 6 NUTS 1 regions changed boundaries; 1 region new created.	2 NUTS 2 regions reassigned, 1 new created (capital region)	- several NUTS 3 regions reassigned due to changes at NUTS 1 and NUTS 2 levels; - 1 NUTS 3 region new created
Finland	-	-	- Kainuu recoded from FI1D4 to FI1D8, and - Pohjois-Pohjanmaa recoded from FI1D6 into FI1D9 due to boundary changes; (2 regions with boundary change)

Member State	NUTS 1	NUTS 2	NUTS 3
United Kingdom		new region Southern Scotland created from parts of Easter Scotland and South Western Scotland (now Western Scotland)	<ul style="list-style-type: none"> - In Scotland several regions reassigned due to changes at NUTS 2 level; - Northern Ireland (UKN) restructured the NUTS 3 level from 5 into 11 regions

In the context of the next Working Group on Population Statistics, that will take place during the year 2018, the affected Members States will be invited to communicate the length of the time series that will be sent following the NUTS-2016 changes.

Eurostat would like to thank to the National Statistical Institutes/national data providers for their good cooperation and continuous efforts to supply good quality data.