



APPENDICES

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APPENDIX B

TABLE OF CONTENTS

Core Indicators

- C1_A: Fetal mortality rate by gestational age and birth weight (numbers)
- C1_B: Fetal mortality rate by gestational age and birth weight (rates per 1000 total births)
- C2_A: Neonatal mortality rate (numbers and rates per 1000 live births)
- C2_B: Neonatal mortality rate for births at ≥ 24 weeks of gestation
- C3: Infant mortality rate (numbers and rates per 1000 live births)
- C4_A: Distribution of birth weight for live births
- C4_B: Distribution of birth weight by plurality for live births
- C5_A: Distribution of gestational age for live births
- C5_B: Distribution of gestational age by plurality for live births
- C6_A: Maternal mortality ratio (numbers and ratios per 100 000 live births) from routine statistics
- C6_B: Maternal mortality ratio (numbers and ratios per 100 000 live births) from enhanced data systems
- C7: Multiple mortality rate (rates per 100 women)
- C8: Distribution of maternal age (rates per 100 women)
- C9: Distribution of parity (rates per 100 women)
- C10: Mode of delivery (rates per 100 total births)

Recommended Indicators

- R8: Percentage of women who smoked during pregnancy
- R12: Distribution of maternal pre-pregnancy body mass index

CORE INDICATORS

C1_A: Fetal mortality rate by gestational age and birth weight (numbers)

Country/ coverage	Source	Inclusion criteria for fetal deaths	Number of total births				Number of fetal deaths				Number of terminations				Number of fetal deaths without terminations (if possible)			
			All*	≥1000 g	≥28 weeks	≥24 weeks	All*	≥1000 g	≥28 weeks	≥24 weeks	All*	≥1000 g	≥28 weeks	≥24 weeks	All*	≥1000 g	≥28 weeks	≥24 weeks
Belgium	1	500+ grams. if BW unknown, 22+ weeks; cannot distinguish terminations	122 838	120 524	120 584	121 109	598	359	368	530					598	359	368	530
Bulgaria (2014) ¹	1,3	a) 800+ grams and / or 26+ weeks of gestation; b) <800 grams and / or <26 weeks - provided that the foetus was born alive and lived at least 3 days	68 122	67 719	67 806	68 047	537	367	388	471	43	0	0	0	494	367	388	471
Czech Republic	1	500+ grams if BW not available 22+ weeks. Cannot distinguish terminations from fetal deaths	111 162	108 962	108 179	108 536	398	274	296	348					398	274	296	348
Denmark	1,2,4	22+ weeks	57 871	57 028	57 558	57 734	194	NA	115	146	24	0	0	0	170	NA	115	146
Germany ²	1	500+ grams	728 496	723 416	724 006	NA	2559	1630	1759	NA				2559	1630	1759	NA	
Estonia	1,3,4	22+ weeks. Terminations register includes pregnancies up to 20 weeks, thus all fetal deaths in Estonia are without terminations	13 961	13 897	13 897	13 948	54	39	43	50	0	0	0	0	54	39	43	50
Ireland	1	24+ weeks or 500+ grams (national criteria), Source 1: 500+ grams only. Induced abortions not included	65 913	65 586	65 627	65 837	290	189	222	273	0	0	0	0	290	189	222	273
Greece	1	22+ weeks	92 159	90 683	91 119	91 447	312	243	270	308				312	243	270	308	
Spain	1	180+ days / 500 grams	421 590	398 599	356 157	357 270	1307	897	968	1106				1307	897	968	1106	
France	5	22 weeks or 500 grams. Terminations included	764 704	758 775	758 852	762 961	6648	2501	3359	5172	2824	885	1073	2208	3824	1616	2286	2964
France (Survey, 2016)	1	22+ weeks	13 369	13 211	13 217	13 305	137	58	63	102	58	24	23	45	79	34	40	57
Croatia	1	22+ weeks. Terminations not included	37 428	37 234	37 237	37 391	176	112	119	160	0	0	0	0	176	112	119	160
Italy	8	fetal death: 180+ days miscarriage: <180 days	487 042	483 759	482 647	484 213	2265	1067	1175	1442	485	NA	0	6	1780	1067	1175	1436
Cyprus	1	22+ weeks or 500+ grams. Cannot distinguish TOP	9425	9333	9219	9247	31	10	13	17				31	10	13	17	
Latvia	3	22+ weeks 500 grams (if BW < 500 g but GA ≥ 22). Induced abortions not included	21 826	21 721	21 728	21 798	106	70	73	86	0	0	0	0	106	70	73	86
Lithuania ^{1,3}	1,2,3	22+ weeks	31 601	31 483	31 491	31 577	126	84	90	113	0	0	0	0	126	84	90	113
Luxembourg	1	22+ weeks or 500+ grams	6889	6837	6842	6873	57	26	27	43	27	12	11	21	30	14	16	22
Hungary	1	Miscarriage/abortion: <24 weeks or if GA missing, <30 cm or <500 grams. Late fetal death (stillbirth): 24+ weeks, or if GA missing, 30+ cm or 500+ grams, while in case of twin birth at least one of the fetus was born alive	92 253	91 386	91 507	92 002	573	311	338	407	47	NA	0	1	526	311	338	406



Country/coverage	Source	Inclusion criteria for fetal deaths	Number of total births				Number of fetal deaths				Number of terminations				Number of fetal deaths without terminations (if possible)			
			All*	≥1000 g	≥28 weeks	≥24 weeks	All*	≥1000 g	≥28 weeks	≥24 weeks	All*	≥1000 g	≥28 weeks	≥24 weeks	All*	≥1000 g	≥28 weeks	≥24 weeks
Malta	1,2	22+ weeks - if GA missing 500+ grams	4453	4425	4429	4448	18	8	11	15	0	0	0	0	18	8	11	15
Netherlands	1	Perined registrates all fetal deaths from 16+ weeks. However, for the core indicators: 22+ weeks or – if GA unknown 500+ grams. Induced abortions are included	169 234	167 584	165 475	166 113	809	345	358	482					809	345	358	482
Austria	1	Only stillbirths are included (defined according the WHO definition - 500 grams limit). Terminations not registered	83 884	83 465	83 496	83 788	277	188	202	245	0	0	0	0	277	188	202	245
Poland (2014)	1	500+ grams, if BW unknown 22+ weeks	376 968	375 160	375 283	376 612	1321	887	932	1169	0	0	0	0	1321	887	932	1169
Portugal	1	22+ weeks (equivalent to 500 grams). If GA<24 weeks (equivalent to <500 grams), death certificate is not compulsory unless the mother wants to register it or there is a suspicious of an induced abortion	86 048	85 448	85 587	85 841	286	NA	218	263					286	NA	218	263
Romania	3	Fetal deaths do not include abortions	201 760	201 178	201 298	201 738	737	688	724	734	0	0	0	0	737	688	724	734
Slovenia	1	500+ grams. Induced abortions are included	20 397	20 259	20 271	20 370	124	67	72	108	61	26	24	47	63	41	48	61
Slovakia	1	22+ weeks	55 824	55 610	55 647	55 809	209	192	197	201	0	0	0	0	209	192	197	201
Finland	1	22+ weeks	55 832	55 507	55 481	55 638	244	105	114	141	73	NA	0	3	171	105	114	138
Sweden (2014)	1	22+ weeks. Induced abortions are not included	115 710	115 156	115 206	115 586	464	323	350	423	0	0	0	0	464	323	350	423
United Kingdom	1	22+ weeks					4429	2289	2486	3501	884	204	197	485	3545	2085	2289	3016
UK: England and Wales	2	24+ weeks	699 204	683 190	692 387	695 596	3147	2067	2232	3147	234	110	109	234	2913	1957	2123	2913
UK: Scotland	1	22+ weeks. Fetal deaths at 22+ weeks can be identified from hospital discharge data. In addition fetal deaths at 24+ weeks are registered by law	54 550	54 171	54 033	54 242	262	139	155	208	37	1	2	10	225	138	153	198
UK: Northern Ireland	1	24+ weeks. Terminations cannot be identified from data	24 544	24 420	24 461	24 533	82	56	63	82					82	56	63	82
Iceland	2	Fetal deaths: 22+ weeks. Terminations are not allowed after 22 weeks	4098	4079	4080	4088	10	8	8	8	0	0	0	0	10	8	8	8
Norway	1	22+ weeks or 500+ grams. Induced abortions are not included. Only terminations due to fetal anomaly are recorded	59 931	59 640	59 467	59 668	220	130	136	181	3	0	1	2	217	130	135	179
Switzerland (2014)	1	22+ weeks or >500 grams. If <22 weeks and <500 grams, included only if there is a twin alive	85 263	84 741	84 778	85 099	372	176	209	279	57	7	9	25	315	169	200	254

NOTES: Fetal mortality rate per 1000 total births = ((number of fetal death)/(number of total births))*1000

Euro-Peristat requested data for all births at 22 completed weeks of gestation or with a birth weight of 500 grams if gestational age was missing.

* this includes births with unknown GA 22+ weeks

1. In Bulgaria and Lithuania, all live births with unknown GA (N=2476 for Bulgaria; N=2579 for Lithuania) were considered as live births occurring at 24+ weeks of gestational age and all live births with unknown BW (N=2772 for Bulgaria; N=2579 for Lithuania) were considered as live births occurring at 1000+ grams.

2. In Germany, 124 fetal deaths among 869 infants with birth weight below 500 g were documented in the database.

3. In Lithuania, all stillbirths with unknown GA N=3 were considered stillbirths occurring at 24+ weeks of gestational age and all stillbirths with unknown BW N=3 were considered stillbirths occurring at 1000+ grams.

C1_B: Fetal mortality rate by gestational age and birth weight (rates per 1000 total births)

Country/coverage	Source	Fetal mortality rate per 1000 total births (without terminations, if possible)				Fetal mortality rate per 1000 total births			
		All*	≥1000 g	≥28 weeks	≥24 weeks	All*	≥1000 g	≥28 weeks	≥24 weeks
Belgium	1	4.9	3.0	3.1	4.4	4.9	3.0	3.1	4.4
Bulgaria ¹	1,3	7.3	5.4	5.7	6.9	7.9	5.4	5.7	6.9
Czech Republic	1	3.6	2.5	2.7	3.2	3.6	2.5	2.7	3.2
Denmark	1,2,4	2.9	NA	2.0	2.5	3.4	NA	2.0	2.5
Germany	1	3.5	2.3	2.4	3.1	3.5	2.3	2.4	3.1
Estonia	1,3,4	3.9	2.8	3.1	3.6	3.9	2.8	3.1	3.6
Ireland	1	4.4	2.9	3.4	4.1	4.4	2.9	3.4	4.1
Greece	1	3.4	2.7	3.0	3.4	3.4	2.7	3.0	3.4
Spain	1	3.1	2.3	2.7	3.1	3.1	2.3	2.7	3.1
France	5	5.0	2.1	3.0	3.9	8.7	3.3	4.4	6.8
France (Survey, 2016)	1	5.9	2.6	3.0	4.3	10.2	4.4	4.8	7.7
Croatia	1	4.7	3.0	3.2	4.3	4.7	3.0	3.2	4.3
Italy	8	3.7	2.2	2.4	3.0	4.7	2.2	2.4	3.0
Cyprus	1	3.3	1.1	1.4	1.8	3.3	1.1	1.4	1.8
Latvia	3	4.9	3.2	3.4	3.9	4.9	3.2	3.4	3.9
Lithuania ¹	1,2,3	4.0	2.7	2.9	3.6	4.0	2.7	2.9	3.6
Luxembourg	1	4.4	2.0	2.3	3.2	8.3	3.8	3.9	6.3
Hungary	1	5.7	3.4	3.7	4.4	6.2	3.4	3.7	4.4
Malta	1,2	4.0	1.8	2.5	3.4	4.0	1.8	2.5	3.4
Netherlands	1	4.8	2.1	2.2	2.9	4.8	2.1	2.2	2.9
Austria	1	3.3	2.3	2.4	2.9	3.3	2.3	2.4	2.9
Poland	1	3.5	2.4	2.5	3.1	3.5	2.4	2.5	3.1
Portugal	1	3.3	NA	2.5	3.1	3.3	NA	2.5	3.1
Romania	3	3.7	3.4	3.6	3.6	3.7	3.4	3.6	3.6
Slovenia	1	3.1	2.0	2.4	3.0	6.1	3.3	3.6	5.3
Slovakia	1	3.7	3.5	3.5	3.6	3.7	3.5	3.5	3.6
Finland	1	3.1	1.9	2.1	2.5	4.4	1.9	2.1	2.5
Sweden	1	4.0	2.8	3.0	3.7	4.0	2.8	3.0	3.7
United Kingdom									
UK: England and Wales	2	4.2	2.9	3.1	4.2	4.5	3.0	3.2	4.5
UK: Scotland	1	4.1	2.5	2.8	3.7	4.8	2.6	2.9	3.8
UK: Northern Ireland	1	3.3	2.3	2.6	3.3	3.3	2.3	2.6	3.3
Iceland	2	2.4	2.0	2.0	2.0	2.4	2.0	2.0	2.0
Norway	1	3.6	2.2	2.3	3.0	3.7	2.2	2.3	3.0
Switzerland	1	3.7	2.0	2.4	3.0	4.4	2.1	2.5	3.3

NOTES: Fetal mortality rate per 1000 total births = ((number of fetal death)/(number of total births))*1000

Euro-Peristat requested data for all births at 22 completed weeks of gestation or with a birth weight of 500 grams if gestational age was missing.

In Germany, 124 fetal deaths among 869 infants with birthweight below 500 g were documented in the database

* this includes births with unknown GA 22+ weeks

1: In Bulgaria and Lithuania, all live births with unknown GA (N=2476 for Bulgaria; N=2579 for Lithuania) were considered as live births occurring at 24+ weeks of gestational age and all live births with unknown BW (N=2772 for Bulgaria; N=2579 for Lithuania) were considered as live births occurring at 1000+ grams



C2_A: Neonatal mortality rate (numbers and rates per 1000 live births)

Country/coverage	Source	Number of live births*	Annual deaths						Source	Cohort deaths					
			Number of neonatal deaths			Neonatal mortality rate per 1000 live births				Number of neonatal deaths			Neonatal mortality rate per 1000 live births		
			All (day 0-27)	Early (day 0-6)	Late (day 7-27)	All (day 0-27)	Early ¹ (day 0-6)	Late ² (day 7-27)		All (day 0-27)	Early (day 0-6)	Late (day 7-27)	All (day 0-27)	Early ³ (day 0-6)	Late ⁴ (day 7-27)*
Belgium		122 240	NA	NA	NA	NA	NA	NA	1	254	194	60	2.1	1.6	0.5
Bulgaria (2014)	1	67 585	298	211	87	4.4	3.1	1.3		NA	NA	NA	NA	NA	NA
Czech Republic	1	110 764	165	106	59	1.5	1.0	0.5		NA	NA	NA	NA	NA	NA
Denmark		57 677	NA	NA	NA	NA	NA	NA	1,2,4	109	89	20	1.9	1.5	0.3
Germany	2	737 575	1700	1352	348	2.3	1.8	0.5		NA	NA	NA	NA	NA	NA
Estonia	1,3	13 907	21	16	5	1.5	1.2	0.4	1,3	21	16	5	1.5	1.2	0.4
Ireland ⁵		65 623	NA	NA	NA	NA	NA	NA	1	NA	178	NA	NA	2.7	NA
Greece	1	91 847	260	179	81	2.8	1.9	0.9		NA	NA	NA	NA	NA	NA
Spain	1	420 283	771	519	252	1.8	1.2	0.6		NA	NA	NA	NA	NA	NA
France	2,3	760 421	1860	1285	575	2.4	1.7	0.8		NA	NA	NA	NA	NA	NA
France (Survey, 2016)		13 232	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
Croatia	2	37 252	116	82	34	3.1	2.2	0.9	1	119	84	35	3.2	2.3	0.9
Italy	4	484 777	1055	809	246	2.2	1.7	0.5		NA	NA	NA	NA	NA	NA
Cyprus	1,2	9394	18	15	3	1.9	1.6	0.3	1,2	18	15	3	1.9	1.6	0.3
Latvia	3	21 720	55	45	10	2.5	2.1	0.5	3	54	45	9	2.5	2.1	0.4
Lithuania	2,3	31 475	74	53	21	2.4	1.7	0.7	1,2,3	74	53	21	2.4	1.7	0.7
Luxembourg	2	6832	11	9	2	1.6	1.3	0.3		NA	NA	NA	NA	NA	NA
Hungary	1	91 680	245	155	90	2.7	1.7	1.0		NA	NA	NA	NA	NA	NA
Malta		4435	NA	NA	NA	NA	NA	NA	1,2	16	12	4	3.6	2.7	0.9
Netherlands		168 425	NA	NA	NA	NA	NA	NA	1	511	431	80	3.0	2.6	0.5
Austria	1	83 607	163	130	33	1.9	1.6	0.4	1	161	130	31	1.9	1.6	0.4
Poland (2014)	1	375 647	1074	772	302	2.9	2.1	0.8		NA	NA	NA	NA	NA	NA
Portugal		85 762	NA	NA	NA	NA	NA	NA	1	177	118	59	2.1	1.4	0.7
Romania	3	201 023	859	595	264	4.3	3.0	1.3		NA	NA	NA	NA	NA	NA
Slovenia		20 273	NA	NA	NA	NA	NA	NA	1	15	12	3	0.7	0.6	0.1
Slovakia	1	55 615	110	84	26	2.0	1.5	0.5		NA	NA	NA	NA	NA	NA
Finland	1,2	55 588	69	53	16	1.2	1.0	0.3	1	73	55	18	1.3	1.0	0.3
Sweden (2014)	1	115 246	177	141	36	1.5	1.2	0.3		NA	NA	NA	NA	NA	NA
United Kingdom									1	1739	1293	446	2.2	1.7	0.6
UK: England and Wales (2014)	1	694 312	1503	1123	380	2.2	1.6	0.5		NA	NA	NA	NA	NA	NA
UK: Scotland	1,2	54 288	102	73	29	1.9	1.3	0.5	1	82	53	29	1.5	1.0	0.5
UK: Northern Ireland	2	24 462	88	77	11	3.6	3.1	0.4	2	88	77	11	3.6	3.1	0.4
Iceland	1	4088	5	4	1	1.2	1.0	0.2		NA	NA	NA	NA	NA	NA
Norway	1	59 711	86	70	16	1.4	1.2	0.3	1	87	70	17	1.5	1.2	0.3
Switzerland (2014)	1	84 891	195	159	36	2.3	1.9	0.4	1	192	156	36	2.3	1.8	0.4

1. Annual early neonatal mortality rate per 1000 live births = ((number of early neonatal deaths occurring during the year)/(number of live births occurring during the year))*1000

2. Annual late neonatal mortality rate per 1000 live births = ((number of late neonatal deaths occurring during the year)/(number of live births occurring during the year))*1000

3. Cohort early neonatal mortality rate per 1000 live births = ((number of early neonatal deaths occurring to babies born during the year)/(number of total live births occurring during the year))*1000

4. Cohort late neonatal mortality rate per 1000 live births = ((number of late neonatal deaths occurring to babies born during the year)/(number of live births occurring during the year))*1000

5. In Ireland, information on late neonatal deaths is unavailable (see C3 Infant mortality)

Inclusion criteria were based on gestational age 22+ weeks; if gestational age was missing, births were included if birth weight was at least 500 grams.

C2_B: Neonatal mortality rate for births at ≥ 24 weeks of gestation

Country/coverage	Source	Inclusion criteria for live births	Number of live births		Number of neonatal deaths		Neonatal mortality rate	
			All	≥ 24 weeks*	All	≥ 24 weeks*	All	≥ 24 weeks*
Belgium	1	22+ weeks or 500+ g	122 240	120 579	254	197	2.1	1.6
Bulgaria ¹ (2014)	1	22+ weeks	67 585	67 576	298	283	4.4	4.2
Czech Republic	1	22+ weeks or 500+ g, if BW unavailable	110 764	108 188	165	131	1.5	1.2
Denmark	1,2,4	22+ weeks	57 677	57 588	109	81	1.9	1.4
Germany	2	22+ weeks	737 575	NA	1700	NA	2.3	NA
Estonia	1,3	22+ weeks	13 907	13 898	21	17	1.5	1.2
Ireland	1	22+ weeks	65 623	65 564	NA	NA	NA	NA
Greece	1	22+ weeks	91 847	91 139	260	NA	2.8	NA
Spain	1	180+ days / 500 g	420 283	356 164	771	NA	1.8	NA
France	2,3	22+ weeks or 500+ g	760 421	757 789	1860	1592	2.4	2.1
France (Survey, 2016)		22+ weeks	13 232	13 203	NA	NA	NA	NA
Croatia	1	22+ weeks	37 252	37 231	119	101	3.2	2.7
Italy	4	22+ weeks	484 777	482 771	1055	NA	2.2	NA
Cyprus	1,2	22+ weeks	9394	9230	18	12	1.9	1.3
Latvia	3	22+ weeks	21 720	21 712	54	48	2.5	2.2
Lithuania ¹	1,2,3	22+ weeks	31 475	31 464	74	64	2.4	2.0
Luxembourg	2	22+ weeks	6832	6830	11	8	1.6	1.2
Hungary ²	1	22+ weeks	91 680	91 595	245	217	2.7	2.4
Malta	1,2	22+ weeks or 500+ g	4435	4433	16	14	3.6	3.2
Netherlands	1	22+ weeks or 500+ g	168 425	165 631	511	328	3.0	2.0
Austria	1	22+ weeks	83 607	83 543	161	113	1.9	1.4
Poland (2014)	1	22+ weeks	375 647	375 443	1074	912	2.9	2.4
Portugal	1	22+ weeks (incomplete at 22-23 weeks)	85 762	85 578	177	NA	2.1	NA
Romania	3	22+ weeks	201 023	201 004	859	706	4.3	3.5
Slovenia	1	22+ weeks	20 273	20 262	15	8	0.7	0.4
Slovakia	1	22+ weeks	55 615	55 608	110	106	2.0	1.9
Finland	1	22+ weeks	55 588	55 497	73	65	1.3	1.2
Sweden (2014)	1	22+ weeks	115 246	115 163	177	148	1.5	1.3
United Kingdom	1	22+ weeks			1739	1366		
UK: England and Wales (2014)	1	22+ weeks	694 312	670 439	1503	1136	2.2	1.7
UK: Scotland	1,2	22+ weeks	54 288	NA	102	NA	1.9	NA
UK: Northern Ireland	1	22+ weeks	24 462	24 451	88	80	3.6	3.3
Iceland	1	22+ weeks	4088	4080	5	2	1.2	0.5
Norway	1	22+ weeks	59 711	59 487	87	71	1.5	1.2
Switzerland (2014)	1	22+ weeks or 500+ g	84 891	84 820	192	149	2.3	1.8

We used cohort data, but when these were not available, we used annual data (except for Scotland where the annual data were considered to be more complete)

* excluding births with unknown GA 24+ weeks

Note: 1. In Bulgaria and Lithuania, all live births with unknown GA (N=2476 for Bulgaria; N=2579 for Lithuania) were considered as live births occurred at 24+ weeks of gestational age

2. In Hungary, late neonatal deaths with unknown GA (N=90) were considered as 24+ weeks



C3: Infant mortality rate (numbers and rates per 1000 live births)

Country/coverage	Source	Inclusion criteria for live births	Number of live birth	Annual deaths		Cohort deaths	
				Infant deaths	Infant mortality rate	Infant deaths	Infant mortality rate
Belgium	1	22+ weeks or 500+ g	122 240	NA	NA	381	3.1
Bulgaria (2014)	1	22+ weeks	67 585	517	7.6	NA	NA
Czech Republic	1	22+ weeks or 500+ g, if BW unavailable	110 764	272	2.5	NA	NA
Denmark	1,2,4	22+ weeks	57 677	NA	NA	151	2.6
Germany	2	22+ weeks	737 575	2405	3.3	NA	NA
Estonia	5,3	22+ weeks	13 907	35	2.5	40	2.9
Ireland	1,2	22+ weeks	65 623	225	3.4	NA	NA
Greece	1	22+ weeks	91 847	364	4.0	NA	NA
Spain	1	180+ days / 500 g	420 283	1139	2.7	NA	NA
France	2,3	22+ weeks or 500+ g	760 421	2655	3.5	NA	NA
France (Survey, 2016)		22+ weeks	13 232	NA	NA	NA	NA
Croatia	1,2	22+ weeks	37 252	154	4.1	143	3.8
Italy	4	22+ weeks	484 777	1506	3.1	NA	NA
Cyprus	2	22+ weeks	9394	24	2.6	20	2.1
Latvia	3	22+ weeks	21 720	90	4.1	93	4.3
Lithuania	2,3	22+ weeks	31 475	132	4.2	111	3.5
Luxembourg	2,3	22+ weeks	6832	16	2.3	NA	NA
Hungary	1	22+ weeks	91 680	383	4.2	NA	NA
Malta	2	22+ weeks or 500+ g	4435	NA	NA	23	5.2
Netherlands	3	22+ weeks or 500+ g	168 425	597	3.5	NA	NA
Austria	1	22+ weeks	83 607	221	2.6	196	2.3
Poland (2014)	1	22+ weeks	375 647	1573	4.2	NA	NA
Portugal	1	22+ weeks (incomplete at 22-23 weeks)	85 762	254	3.0	NA	NA
Romania	3	22+ weeks	201 023	1493	7.4	NA	NA
Slovenia	2	22+ weeks	20 273	NA	NA	34	1.7
Slovakia	1	22+ weeks	55 615	110	2.0	NA	NA
Finland	1,2	22+ weeks	55 588	96	1.7	92	1.7
Sweden (2014)	1	22+ weeks	115 246	261	2.3	NA	NA
United Kingdom		22+ weeks		NA	NA	NA	NA
UK: England and Wales, 2014	1	22+ weeks	694 312	2204	3.2	NA	NA
UK: Scotland	1,2	22+ weeks	54 288	158	2.9	136	2.5
UK: Northern Ireland	3	22+ weeks	24 462	124	5.1	124	5.1
Iceland	1	22+ weeks	4088	6	1.5	NA	NA
Norway	1	22+ weeks	59 711	118	2.0	130	2.2
Switzerland (2014)	1	22+ weeks or 500+ g	84 891	259	3.1	254	3.0

C3: Infant mortality rate, births ≥ 22 weeks of gestation in 2010

Country/coverage	Source	Number of live births		Percentage of live births				
		All stated	Not stated	birth weight in grams				
				<500	500-1499	1500-2499	2500-4499	≥ 4500
Belgium	1	120 600	1640	0.0	0.9	6.0	92.2	0.9
Bulgaria (2014)	1	64 813	2772	0.0	1.4	8.5	89.7	0.5
Czech Republic	1	109 141	1623	0.0	1.1	6.6	91.5	0.8
Denmark	1,2,4	57 227	450	0.0	0.7	4.2	92.5	2.5
Germany	1	725 913	24	0.1	1.2	5.7	91.8	1.2
Estonia	1	13 906	1	0.0	0.8	3.3	93.1	2.8
Ireland	1	65 623	0	0.0	0.9	4.8	92.1	2.2
Greece	1	90 772	1075	0.0	1.1	8.2	90.5	0.2
Spain	1	398 786	21 497	0.0	0.9	7.4	91.1	0.6
France	5	759 099	0	0.0	1.0	6.4	91.9	0.7
France (Survey 2016)	1	13 215	17	0.0	1.0	6.4	91.8	0.7
Croatia	1	37 252	0	0.0	0.8	4.3	93.5	1.4
Italy	1	484 399	378	0.0	1.0	6.4	92.1	0.5
Cyprus	1	9358	36	0.0	1.2	9.4	89.2	0.2
Latvia	1	21 720	0	0.0	0.7	3.8	92.7	2.8
Lithuania ¹	1,2	28 896	2579	0.0	0.7	3.8	93.4	2.1
Luxembourg	1	6831	1	0.0	0.8	5.8	92.7	0.6
Hungary	1	91 645	35	0.0	1.4	7.1	90.5	1.0
Malta	1	4431	4	0.0	0.9	5.3	93.2	0.5
Netherlands	1	168 007	418	0.1	0.9	5.1	92.1	1.8
Austria	1	83 607	0	0.0	0.9	5.5	92.5	0.9
Poland (2014)	1	375 638	9	0.0	0.9	5.0	92.7	1.4
Portugal	1	85 727	35	0.0	1.0	7.9	90.8	0.3
Romania	5	201 023	0	0.0	0.9	7.0	91.6	0.5
Slovenia	1	20 273	0	0.0	1.0	5.4	92.6	1.1
Slovakia	1	55 615	0	0.0	0.9	6.7	91.5	0.8
Finland	1	55 537	51	0.0	0.6	3.6	93.5	2.3
Sweden (2014)	1	115 210	36	0.0	0.7	3.5	92.3	3.4
United Kingdom								
UK: England and Wales	1	683 997	8905	0.1	0.9	6.0	91.4	1.6
UK: Scotland	1	54 231	57	0.0	0.9	5.9	91.1	2.0
UK: Northern Ireland	1	24 440	22	0.0	0.8	5.4	91.6	2.1
Iceland	1	4088	0	0.1	0.6	3.6	91.3	4.3
Norway	1	59 710	1	0.0	0.8	3.7	92.5	3.0
Switzerland (2014)	1	84 881	10	0.0	0.9	5.5	92.9	0.8

Note 1. In Lithuania, live births with unknown GA and BW are not included.



C4_B: Distribution of birth weight by plurality for live births in 2010

		% live births			% of live singleton births			% of live multiple births		
		Birth weight (g)			Birth weight (g)			Birth weight (g)		
Country/ coverage	Source	<1500	1500- 2499	All stated	<1500	1500- 2499	All stated*	<1500	1500- 2499	All stated*
Belgium	1	0.9	6.0	120 600	0.7	4.5	116 452	8.1	48.2	4148
Bulgaria (2014)	1	1.4	8.5	64 813	0.9	6.8	62 533	12.6	54.4	2280
Czech Republic	1	1.2	6.6	109 141	0.8	5.2	105 930	11.5	52.4	3211
Denmark	1,2,4	0.8	4.2	57 227	0.5	3.1	55 320	7.4	38.3	1907
Germany	1	1.3	5.7	725 913	0.9	4.1		11.9	45.9	
Estonia	1	0.8	3.3	13 906	0.5	2.4	13 453	10.8	30.9	453
Ireland	1	0.9	4.8	65 623	0.6	3.3	63 158	8.8	41.3	2465
Greece	1	1.1	8.2	90 772	0.7	5.4	86 096	9.2	59.6	4676
Spain	1	1.0	7.4	398 786	0.7	5.4	381 254	7.1	51.2	17 532
France	5	1.0	6.4	759 099	0.8	5.0	735 321	8.0	47.8	23 778
France (Survey, 2016)	1	1.1	6.4	13 215	0.8	5.0	12 757	9.8	45.6	458
Croatia	1	0.8	4.3	37 252	0.7	3.2	36 150	6.6	39.0	1102
Italy	1	1.0	6.4	484 399	0.7	4.8	468 226	9.2	53.0	16 173
Cyprus	1	1.2	9.4	9358	0.6	6.7	8 876	11.0	60.2	482
Latvia	1	0.7	3.8	21 720	0.6	2.8	21 073	5.7	34.6	647
Lithuania ¹	1	0.7	3.8	28 896	0.5	2.9	28 097	6.9	33.4	799
Luxembourg	1	0.9	5.8	6831	0.5	4.2	6 590	10.8	49.4	241
Hungary	1	1.4	7.1	91 645	NA	NA	NA	NA	NA	NA
Malta	1	1.0	5.3	4431	0.7	3.9	4 299	11.4	52.3	132
Netherlands	1	1.0	5.1	168 007	0.8	3.8	162 728	7.8	43.6	5279
Austria	1	1.0	5.5	83 607	0.7	4.1	81 012	9.6	49.2	2595
Poland (2014)	1	0.9	5.0	375 638	0.7	3.8	365 900	8.4	49.4	9738
Portugal	1	1.0	7.9	85 727	0.7	6.0	82 771	9.5	59.7	2956
Romania	5	0.9	7.0	201 023	0.7	6.1	196 892	8.7	50.7	4131
Slovenia	1	1.0	5.4	20 273	0.7	3.7	19 497	8.6	48.5	776
Slovakia	1	1.0	6.7	55 615	0.8	5.6	54 217	8.8	50.6	1398
Finland	1	0.6	3.6	55 537	0.5	2.6	54 061	6.8	38.2	1476
Sweden (2014)	1	0.8	3.5	115 210	0.6	2.6	111 811	7.7	35.0	3399
United Kingdom										
UK: England and Wales	1	1.0	6.0	683 997	0.8	4.7	663 099	8.7	48.7	20 898
UK: Scotland	1	0.9	5.9	54 230	0.7	4.6	52 673	8.0	49.5	1557
UK: Northern Ireland	1	0.9	5.4	24 440	0.6	4.0	23 740	9.0	51.1	700
Iceland	1	0.7	3.6	4088	0.6	2.2	3 945	5.6	43.4	143
Norway	1	0.8	3.7	59 710	0.6	2.5	57 732	6.9	38.7	1978
Switzerland (2014)	1	0.9	5.5	84 881	0.6	3.9	81 833	8.6	47.6	3048

Note 1. In Lithuania, live births with unknown GA and BW are not included.

C5_A: Distribution of gestational age for live births

		Number of live births		Percentage of live births						
				Gestational age in weeks						
Country/coverage	Source	All stated	Not stated	22-23	24-27	28-31	32-36	37-38	39-41	≥42
Belgium	1	120 627	1613	0.0	0.3	0.7	7.0	26.7	65.1	0.2
Bulgaria (2014)	1	65 109	2476	0.0	0.2	0.8	6.3	21.5	70.5	0.6
Czech Republic	1	108 220	2544	0.0	0.3	0.8	6.4	19.1	70.2	3.1
Denmark	1,2,4	57 619	58	0.1	0.3	0.6	5.3	18.8	72.9	2.1
Germany	1	725 680	266	0.1	0.4	0.9	7.2	25.4	65.6	0.5
Estonia	1	13 906	1	0.1	0.3	0.7	4.7	17.8	73.9	2.6
Ireland	1	65 613	10	0.1	0.2	0.7	5.4	19.1	72.1	2.4
Greece	1	91 175	672	0.0	0.3	0.9	10.1	43.7	45.0	
Spain	1	356 197	64,086	0.0	0.3	0.7	6.6	23.1	67.7	1.6
France	5	758 056	0	0.0	0.3	0.7	6.1	21.6	70.4	0.8
France (Survey, 2016)	1	13 212	20	0.1	0.4	0.8	6.3	22.9	69.1	0.5
Croatia	1	37 252	0	0.1	0.3	0.5	5.6	21.9	69.5	2.0
Italy	1	482 976	1801	0.0	0.3	0.7	6.6	27.8	63.7	0.9
Cyprus	1	9237	157	0.1	0.3	0.8	10.9	43.7	44.1	0.2
Latvia	1	21 720	0	0.0	0.3	0.6	4.8	17.7	75.4	1.1
Lithuania ¹	1,2	28 896	2579	0.0	0.2	0.5	4.6	16.4	78.2	0.1
Luxembourg	1	6831	1	0.0	0.2	0.8	6.3	30.2	62.4	0.1
Hungary	1	91 635	45	0.0	0.5	0.9	7.3	26.5	64.6	0.2
Malta	1	4435	0	0.0	0.3	0.5	5.8	30.6	62.5	0.2
Netherlands	1	165 833	2592	0.1	0.3	0.7	5.8	23.6	68.2	1.3
Austria	1	83 607	0	0.1	0.3	0.8	6.7	24.5	67.3	0.4
Poland (2014)	1	375 642	5	0.1	0.3	0.7	6.2	22.1	69.1	1.5
Portugal	1	85 591	171	0.0	0.2	0.8	7.0	27.0	64.8	0.1
Romania	5	201 023	0	0.0	0.2	0.9	7.4	27.3	63.7	0.6
Slovenia	1	20 273	0	0.1	0.3	0.8	6.4	19.8	72.0	0.7
Slovakia	1	55 615	0	0.0	0.3	0.7	6.0	20.9	71.5	0.6
Finland	1	55 516	72	0.0	0.2	0.5	5.0	18.0	72.3	4.0
Sweden (2014)	1	115 229	17	0.1	0.3	0.6	4.8	18.5	68.8	7.0
United Kingdom										
UK: England and Wales	1	692 902	3155	0.1	0.3	0.8	6.4	20.8	68.9	2.7
UK: Scotland	1	54 057	231	0.0	0.3	0.7	7.1	19.6	70.3	1.9
UK: Northern Ireland	1	24 462	0	0.0	0.2	0.8	6.3	20.5	71.3	0.8
Iceland	1	4086	2	0.1	0.2	0.5	5.3	16.8	75.2	1.9
Norway	1	59 513	198	0.0	0.3	0.6	5.3	18.3	71.7	3.8
Switzerland (2014)	1	84 866	25	0.1	0.3	0.6	6.2	26.5	65.7	0.5

Note 1. In Lithuania, live births with unknown GA and BW are not included.



C5_B: Distribution of gestational age by plurality for live births

Country/coverage	Source	All stated	% of live births		All Stated	% of live singleton births		All Stated	% of live multiple births	
			Gestational age in weeks			Gestational age in weeks			Gestational age in weeks	
			<32	32-36		<32	32-36		<32	32-36
Belgium	1	120 627	1.1	7.0	116 474	0.8	5.5	4153	9.5	49.1
Bulgaria (2014)	1	65 109	1.1	6.3	62 819	0.8	4.9	2290	9.0	43.0
Czech Republic	1	108 220	1.1	6.4	105 050	0.9	5.2	3170	10.4	46.4
Denmark	1,2,4	57 619	0.9	5.3	55 692	0.7	4.2	1927	8.3	36.7
Germany	1	725 937	1.3	7.2	698 955	0.9	5.6	27 382	11.7	47.0
Estonia	1	13 906	1.1	4.7	13 453	0.7	3.7	453	12.4	34.2
Ireland	1	65 613	1.1	5.4	63 148	0.7	3.9	2465	9.5	43.8
Greece	1	91 175	1.3	10.1	86 482	0.8	7.3	4693	8.9	61.6
Spain	1	356 197	1.0	6.6	340 215	0.7	4.9	15 982	7.1	42.6
France	5	758 056	1.0	6.1	731 479	0.7	4.8	26 577	8.9	42.6
France (Survey, 2016)	1	13 212	1.2	6.3	12 753	0.9	5.1	459	10.9	38.3
Croatia	1	37 252	0.9	5.6	36 150	0.7	4.6	1102	8.1	40.0
Italy	1	482 976	1.0	6.6	466 813	0.7	5.0	16 163	9.1	51.8
Cyprus	1	9237	1.1	10.9	8756	0.7	8.3	481	9.4	58.8
Latvia	1	21 720	0.9	4.8	21 073	0.8	4.0	647	7.0	31.4
Lithuania ¹	1	28 896	0.8	4.6	28 097	0.6	3.7	799	7.5	36.9
Luxembourg	1	6831	1.1	6.3	6589	0.5	4.9	242	14.9	42.6
Hungary		NA	NA	NA	NA	NA	NA	NA	NA	NA
Malta	1	4435	0.9	5.8	4303	0.7	4.7	132	8.3	43.2
Netherlands	1	165 833	1.1	5.8	160 578	0.9	4.5	5255	9.0	43.5
Austria	1	83 607	1.2	6.7	81 012	0.9	5.3	2595	10.4	50.2
Poland (2014)	1	375 642	1.1	6.2	365 902	0.8	5.0	9740	9.5	52.8
Portugal	1	85 591	1.0	7.0	82 637	0.7	5.3	2954	9.2	55.5
Romania	5	201 023	1.1	7.4	196 892	0.9	6.6	4131	8.2	41.7
Slovenia	1	20 273	1.1	6.4	19 497	0.8	4.6	776	9.9	50.5
Slovakia	1	55 615	1.0	6.0	54 217	0.8	5.0	1398	9.9	45.0
Finland	1	55 516	0.8	5.0	54 036	0.6	3.9	1480	7.3	45.4
Sweden (2014)	1	115 229	0.9	4.8	111 827	0.7	3.9	3402	8.5	34.2
United Kingdom										
UK: England and Wales	1	692 902	1.2	6.4	671 040	0.9	5.0	21 862	9.8	49.3
UK: Scotland	1	54 056	1.1	7.1	52 501	0.9	5.7	1555	8.7	56.2
UK: Northern Ireland	1	24 462	1.1	6.3	23 762	0.8	4.9	700	12.0	53.4
Iceland	1	4086	0.8	5.3	3943	0.6	3.8	143	5.6	48.3
Norway	1	59 513	0.9	5.3	57 543	0.7	4.0	1970	7.7	41.6
Switzerland (2014)	1	84 866	1.0	6.2	81 818	0.7	4.7	3048	9.5	48.5

Note 1. In Lithuania, live births with unknown GA and weight are not included.

C6_A: Maternal mortality ratio (numbers and ratios per 100 000 live births) from routine statistics

Country/coverage	Source	Number of live births (2011-2015)	Number of maternal deaths	Maternal Mortality Ratio per 100 000 live births	Alternate years of data provided	Enhanced
Belgium	1	629 650	29	4.6		
Bulgaria	1	349 643	24	6.9	2010-2014	
Czech Republic						Yes
Denmark	3,4	287 862	9	3.1		
Germany	2	3470 800	145	4.2		
Estonia	3,4	69 886	3	4.3		Yes
Ireland	1,2	347 706	9	2.6		Yes
Greece	1	484 929	14	2.9		
Spain	1	2266 532	71	3.1	2010-2014	
France	3	4107 315	264	6.4	2010-2014	Yes
France (Survey, 2016)						
Croatia	2	199 976	11	5.5		
Italy	5	2938 004	107	3.6	2006-2012	Yes
Cyprus	4	48 017	3	6.2		Yes
Latvia	2	101 415	25	24.7		
Lithuania	2,3	152 423	10	6.6		
Luxembourg	3	33 111	2	6.0	2012-2013	
Hungary	1,2	450 197	59	13.1		
Malta	2	21 392	0	0.0		
Netherlands						Yes
Austria	2	401 581	44	11.0		
Poland	1	1932 709	37	1.9	2010-2014	
Portugal	1	437 687	26	5.9		
Romania	1	1008 913	151	15.0		
Slovenia	2	105 618	6	5.7		
Slovakia	2	281 758	12	4.3		
Finland	2	291 387	8	2.7		
Sweden	1	554 769	20	3.6	2010-2014	
United Kingdom ¹	EW:2 Scotland: 2 NI: 3 ^a	3952 352	242	6.1		Yes
Iceland	1	21 766	1	4.6		
Norway	1	300 264	13	4.3		
Switzerland	1	411 163	20	4.9	2010-2014	

Note: 1. Numbers of deaths for the United Kingdom are the sum of the numbers of registered deaths in England and Wales, Scotland and Northern Ireland



C6_B: Maternal mortality ratio (numbers and ratios per 100 000 live births) from enhanced data systems

Country/coverage	Source	Number of live births (2011-2015)	Number of maternal deaths	Maternal mortality ratio per 100 000 live births	Alternate years of data provided
Belgium					
Bulgaria					
Czech Republic	2	433 860	33	7.6	
Denmark					
Germany					
Estonia	3,4	69 886	9	12.9	
Ireland	1,3	347 706	32	9.2	
Greece					
Spain					
France	4	4130 285	369	8.9	2008-2012
France (Survey, 2016)					
Croatia					
Italy	10	2132 333	207	9.7	2008-2012
Cyprus					
Latvia					
Lithuania					
Luxembourg					
Hungary					
Malta					
Netherlands	2	855 310	44	5.1	
Austria					
Poland					
Portugal					
Romania					
Slovenia					
Slovakia					
Finland					
Sweden					
United Kingdom	2	2341 624	200	8.5	2012-2014
Iceland					
Norway					
Switzerland					

C7: Multiple birth rate (rates per 1000 women)

Country/coverage	Source	Number of women		Multiple birth rate per 1000 women		
		All stated	Not stated	Twins	Triplets or more	Multiples
Belgium	1	120 681	0	17.3	0.3	17.6
Bulgaria ¹ (2014)	1	64 427	0	17.8	0.2	18.0
Czech Republic	2	107 618	0	14.5	0.1	14.7
Denmark ²	1,2,4	56 895	0	16.9	0.2	17.0
Germany	1	714 574	0	18.8	0.4	19.2
Estonia	1	13 731	0	16.6	0.1	16.7
Ireland	1	64 650	0	18.7	0.5	19.2
Greece ³	1	88 554	4	13.2	0.1	13.3
Spain	1	412 266	0	22.1	0.3	22.4
France	5	748 589	0	17.1	0.3	17.5
France (Survey, 2016)	1	13 077	0	17.3	0.4	17.7
Croatia	1	36 866	0	14.8	0.2	15.0
Italy	9	478 003	403	16.4	0.4	16.9
Cyprus	1	9171	0	26.0	0.9	26.8
Latvia	1	21 496	0	15.1	0.1	15.2
Lithuania ⁴	1,2	28 608	0	13.4	0.4	13.7
Luxembourg	1	6762	0	17.9	0.4	18.3
Hungary (2012) ³	1	88 819	0	16.0	0.3	16.4
Malta	1	4385	0	15.1	0.2	15.3
Netherlands	1	166 700	0	16.7	0.3	17.0
Austria	1	82 565	0	15.4	0.3	15.7
Poland (2014)	1	372 046	0	13.0	0.2	13.2
Portugal	1	84 556	0	17.3	0.2	17.5
Romania ³	1	199 646	0	10.1	0.2	10.4
Slovenia ²	1	20 003	0	19.3	0.2	19.5
Slovakia	1	55 112	0	12.7	0.1	12.8
Finland	1	55 080	0	13.4	0.1	13.5
Sweden (2014)	1	113 999	0	14.9	0.2	15.1
United Kingdom						
UK: England and Wales	2	689 751	0	15.8	0.2	16.1
UK: Scotland	1	53 689	62	14.2	0.3	14.6
UK: Northern Ireland	3	23 937	0	14.3	0.3	14.6
Iceland	1	4026	0	17.4	0.2	17.6
Norway	1	58 927	0	16.6	0.2	16.9
Switzerland (2014)	1	83 696	0	18.0	0.4	18.3

Note 1. In Bulgaria, mothers of babies with unknown GA are not included.

2. In Denmark and Slovenia, data are based on mothers delivering live or stillbirths (and terminations).

3. In Greece, Hungary and Romania multiple maternity rate was calculated based on number of births. N total births for Greece = 92 159; N total births for Hungary = 90 305; N total births for Romania = 201 760

4. In Lithuania, mothers with babies of unknown GA are not included



C8: Distribution of maternal age (rates per 100 women)

Country/coverage	Source	Number of Women		Percentage of women delivering live or stillbirths									
		All stated	Not stated	Age in years									
				<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	≥50
Belgium	1	120 618	63	0.0	0.4	1.3	11.9	33.9	33.9	15.2	3.1	0.2	0.0
Bulgaria ¹ (2014)	1	64 427	0	0.5	4.3	5.4	21.7	30.9	23.6	11.5	2.0	0.1	0.0
Czech Republic	2	107 545	73	0.0	0.0	2.4	12.3	29.9	34.4	17.7	3.2	0.1	0.0
Denmark ²	1,2,4	56 895	0	0.0	0.1	0.9	11.0	32.7	34.1	17.3	3.7	0.2	0.0
Germany	1	714 574	0	0.0	0.6	1.6	10.9	28.5	35.3	19.2	3.9	0.2	0.0
Estonia	1	13 731	0	0.0	0.7	2.0	14.6	33.9	29.0	15.6	4.0	0.2	0.0
Ireland	1	64 648	2	0.0	0.5	1.4	8.8	19.0	36.1	28.0	6.0	0.3	0.0
Greece ³	1	92 159	0	0.1	1.0	1.4	8.0	22.5	37.3	23.7	5.2	0.7	0.1
Spain	1	412 266	0	0.0	0.7	1.3	7.2	18.0	35.4	29.7	7.1	0.4	0.0
France	5	748 581	8	0.1	0.4	1.5	12.5	31.7	33.2	16.4	3.9	0.2	0.0
France (Survey, 2016)	1	13 071	6	2.0			11.9	31.2	33.7	17.2	3.8	0.2	
Croatia	1	36 866	0	0.0	0.8	2.2	14.2	30.6	33.2	15.9	2.8	0.2	0.0
Italy	9	478 061	345	0.0	0.3	1.0	8.2	21.1	33.1	26.5	9.0	0.7	0.1
Cyprus	1	9153	18	0.0	0.4	1.0	9.2	30.5	37.5	17.4	3.7	0.3	0.0
Latvia	1	21 496	0	0.0	0.9	2.5	17.1	32.7	28.4	14.5	3.6	0.2	0.0
Lithuania ⁴	1,2	28 608	2552	0.0	1.0	2.8	16.5	35.2	28.8	12.9	2.7	0.1	0.0
Luxembourg	1	6762	0	0.1	0.3	1.1	8.5	25.2	37.4	22.7	4.4	0.3	0.0
Hungary ^{3,5}	1	91 690	0	0.1	2.3	4.0	14.6	25.1	30.0	19.6	4.2	0.1	0.0
Malta	1	4385	0	0.1	1.1	1.8	11.6	30.0	36.3	16.1	2.9	0.1	0.0
Netherlands	1	166 696	4	0.0	0.2	0.7	9.3	30.9	38.1	17.6	3.1	0.1	0.0
Austria	1	82 565	0	0.0	0.5	1.6	13.2	29.8	34.2	16.7	3.7	0.2	0.0
Poland (2014)	1	372 046	0	0.0	0.9	2.7	16.1	34.5	31.1	12.4	2.2	0.1	0.0
Portugal	1	84 552	4	0.1	0.8	1.8	10.3	22.4	35.2	24.0	5.2	0.2	0.0
Romania ^{3,5}	5	201 023	0	0.3	4.3	5.0	19.1	32.7	24.1	12.1	2.3	0.1	0.0
Slovenia ²	1	20 003	0	0.0	0.2	0.8	10.5	33.6	36.2	15.7	2.8	0.1	0.0
Slovakia	1	55 078	34	0.1	2.3	3.9	15.9	30.0	30.9	14.3	2.5	0.1	0.0
Finland	1	55 080	0	0.0	0.3	1.4	14.0	29.4	34.1	17.2	3.4	0.2	0.0
Sweden (2014)	1	112 769	1230	0.0	0.2	1.0	12.8	30.9	33.6	17.3	4.0	0.2	0.0
United Kingdom													
UK: England and Wales	2	689 751	0	0.0	0.9	2.6	15.6	28.5	31.2	17.2	3.8	0.3	0.0
UK: Scotland	1	53 751	0	0.0	1.1	2.9	15.9	27.9	31.5	17.0	3.5	0.2	0.0
UK: Northern Ireland	1	24 544	0	0.0	0.8	2.3	14.0	27.3	33.2	18.4	3.6	0.3	0.0
Iceland	1	4026	0	0.0	0.3	1.8	16.0	32.4	29.3	16.3	3.5	0.3	0.0
Norway	1	58 927	0	0.0	0.2	1.1	12.2	32.8	33.5	16.7	3.3	0.2	0.0
Switzerland (2014)	1	83 696	0	0.0	0.1	0.6	8.2	25.6	38.2	22.2	4.7	0.3	0.0

Note 1. In Bulgaria, mothers with babies of unknown GA are not included.

2. In Denmark and Slovenia, data are based on mothers delivering live or stillbirths (and terminations).

3. In Greece, Hungary, and Romania data are based on babies.

4. In Lithuania, mothers with babies of unknown GA and weight are not included.

5. In Hungary and Romania, data are based on live births only. In Hungary, data include 10 births <22 weeks and <500 g which could not be removed.

C9: Distribution of parity (rates per 100 women)

Country/coverage	Source	Number of live births		Percentage of women delivering live or stillbirths				
		All stated	Not stated	Parity				
				0	1	2	3	4+
Belgium	1	120 615	66	42.5	34.5	14.7	5.3	3.0
Bulgaria ¹ (2014)	1	65 503	99	51.2	36.0	7.7	2.5	2.7
Czech Republic	2	107 618	0	48.3	35.7	11.3	2.9	1.8
Denmark ²	1,2,4	56 895	0	45.5	37.5	12.8	2.9	1.4
Germany	1	714 574	0	49.0	34.3	11.4	3.5	2.0
Estonia	1	13 731	0	42.3	37.3	14.4	4.0	2.1
Ireland	1	64 650	0	38.2	34.8	17.8	6.1	3.1
Greece ¹	1	92 159	0	47.8	39.0	9.8	3.4	
Spain	1	412 266	0	51.5	48.5			
France								
France (Survey, 2016)	1	13 074	3	42.5	35.4	14.3	4.8	3.0
Croatia	1	36 866	0	49.0	33.3	12.0	3.2	2.4
Italy	9	478 154	252	52.7	35.0	9.5	2.1	0.8
Cyprus	1	9166	5	48.4	36.3	11.2	3.0	1.1
Latvia	1	21 496	0	43.1	37.3	13.8	3.6	2.1
Lithuania	2	31 587	14	47.4	37.6	10.6	2.5	1.8
Luxembourg	1	6762	0	47.6	35.5	11.8	3.6	1.6
Hungary ^{1,3}	1	91 449	241	46.7	32.3	13.5	4.1	3.3
Malta	1	4385	0	50.7	34.8	9.5	3.1	1.9
Netherlands	1	166 659	41	44.6	36.1	13.4	3.8	2.0
Austria	1	82 565	0	48.8	35.0	11.4	3.2	1.6
Poland (2014)	1	372 036	10	48.1	37.3	10.2	2.7	1.7
Portugal	1	84 556	0	53.5	35.6	8.0	2.0	0.8
Romania ^{1,3}	2	201 760	0	54.5	29.3	8.4	3.4	4.4
Slovenia ²	1	20 003	0	49.0	38.0	10.0	2.0	1.0
Slovakia	1	49 480	5632	41.7	37.0	12.0	4.1	5.2
Finland	1	55 080	0	41.6	34.3	14.4	4.9	4.8
Sweden (2014)	1	113 815	184	43.1	37.4	13.5	3.7	2.2
United Kingdom								
UK: England and Wales	2	686 587	3164	38.8	36.1	15.5	5.8	3.8
UK: Scotland	1	53 624	127	43.2	35.5	13.7	4.7	2.7
UK: Northern Ireland	1	24 544	0	38.4	34.8	17.7	6.2	2.9
Iceland	1	4025	1	39.8	35.4	18.5	4.8	1.6
Norway	1	58 924	3	42.7	36.6	15.0	3.9	1.8
Switzerland (2014)	1	83 377	319	49.5	36.5	11.1	2.3	0.7

Note 1. In Bulgaria, Greece, Hungary and Romania data are based on babies.

2. In Denmark and Slovenia, data are based on mothers delivering live or stillbirths (and terminations).

3. In Hungary and Romania, data are based on live births only. In Hungary, data include 10 births <22 weeks and <500 g which could not be removed.



C10: Mode of delivery (rates per 100 total births)

Country/coverage	Source	Number of total births		Percentage of total births					
		All stated	Not stated	Mode of delivery					
				Vaginal - spontaneous	Vaginal - instrument	Vaginal - total	Caesarean - no labour or elective	Caesarean - during labour or emergency	Caesarean - total
Belgium	1	121 185	1653	69.2	9.5	78.7	11.3	10.0	21.3
Bulgaria (2014)	2	62 912	1435			57.0			43.0
Czech Republic ¹	2	107 618	0	71.2	2.7	73.9	17.4	8.7	26.1
Denmark	1,2,4	57 847	0	72.0	6.4	78.4	11.3	10.3	21.6
Germany	1	728 496	0	60.9	6.8	67.8	16.1	16.1	32.2
Estonia	1	13 961	0	76.3	4.2	80.5	6.6	12.9	19.5
Ireland	1	65 912	1	53.6	15.1	68.7			31.3
Greece									
Spain	2	385 478	27 965	60.4	15.1	75.4	8.5	16.0	24.6
France	5	758 890	2990	67.9	11.2	79.1	7.1	13.8	20.9
France ² (Survey, 2016)	1	13 301	10	67.6	12.1	79.8	9.8	10.5	20.2
Croatia	1	37 428	0	77.0	1.4	78.4	11.5	10.1	21.6
Italy	9	480 217	6340	61.1	3.5	64.6	22.7	12.8	35.4
Cyprus	1	9422	3	39.4	3.7	43.1	40.5	16.4	56.9
Latvia	1	21 826	0	75.6	2.4	78.0	9.3	12.7	22.0
Lithuania	1,2	29 019	2582	76.3	1.9	78.1	8.4	13.4	21.9
Luxembourg	1	6861	1	56.1	11.2	67.3	16.9	15.8	32.7
Hungary	3	92 098	0			61.0			39.0
Malta	1	4453	0	63.8	4.2	68.0	19.5	12.5	32.0
Netherlands	1	165 295	3939	74.1	8.4	82.6	8.7	8.7	17.4
Austria	1	83 884	0	63.1	7.2	70.3	14.6	15.0	29.7
Poland (2014)	2	369 709	0			57.8			42.2
Portugal ³	3	83 957	2091			67.1			32.9
Romania	4	153 746	48 004	52.6	0.5	53.1	3.6	43.3	46.9
Slovenia	1	20 336	0	75.9	2.8	78.8	9.8	11.5	21.2
Slovakia	1	55 824	0	66.8	2.1	68.9	17.7	13.4	31.1
Finland	1	55 759	0	74.4	9.2	83.6	6.4	10.0	16.4
Sweden (2014)	1	115 710	0	75.7	6.0	81.7	7.8	10.5	18.3
United Kingdom									
UK: England	1	632 784	3446	60.0	13.0	73.0	11.5	15.5	27.0
UK: Wales	2	32 128	210	63.1	10.9	73.9	12.0	14.0	26.1
UK: Scotland ⁴	1	54 273	240	55.3	12.2	67.5	14.9	17.6	32.5
UK: Northern Ireland	1	24 540	4	58.2	12.0	70.1	15.4	14.5	29.9
Iceland	1	4091	7	76.4	7.6	83.9	8.4	7.6	16.1
Norway	1	59 930	0	73.3	10.2	83.5	5.8	10.7	16.5
Switzerland ² (2014)	1,2,3	81 969	3237	54.9	10.8	65.8	17.8	16.4	34.2

Note. 1. In the Czech Republic, N corresponds to the number of mothers instead of babies.

2. In Switzerland, there are 185 caesarean sections with unknown mode of onset that are not included here, and three in France

3. In Portugal, N corresponds to the number of deliveries instead of babies.

4. In Scotland, 181 vaginal deliveries with unknown mode of delivery (instrumental or not) are excluded here.

R8: Percentage of women who smoked during pregnancy in 2015

Country/ coverage	Source	Definition of period		Period 1			Period 2		
		Period 1	Period 2	All stated N	Not stated N	Smokers %	All stated N	Not stated N	Smokers %
Belgium									
Bulgaria									
Czech Republic	2		During pregnancy				107,618	0	7.2
Denmark	1	1st trimester	2nd trimester	56416	479	11.0	56 416	479	7.5
Germany	1		During pregnancy				490 834	203 740	9.0
Estonia	1	1st trimester	During pregnancy	13128	603	7.6	13 128	603	6.1
Ireland									
Greece									
Spain									
ES: Catalonia	3	Before pregnancy	3rd trimester	63400	7061	22.8	60 292	10 169	13.0
ES: Valencia (2016)	4		End of pregnancy				23 658	5886	18.3
France (Survey, 2016)	1	Before pregnancy	3rd trimester	11702	1375	29.8	11 720	1357	16.3
Croatia	1		During pregnancy				35 847	1019	7.8
Italy (2013)	11	Before pregnancy	During pregnancy			20.5			5.3
Cyprus	1		During pregnancy				8 858	313	6.3
Latvia	1		During pregnancy				21 496	0	7.9
Lithuania	1	Before pregnancy	During pregnancy	28608	2552	8.0	28 608	2552	4.4
Luxembourg	1	1st trimester	3rd trimester	6720	42	13.3	6713	49	10.7
Hungary									
Malta	1	At booking		4385	0	7.7			
Netherlands	4		During pregnancy				1682	59	6.0
Austria	1		3rd trimester				62 326	20 239	12.5
Poland									
Portugal									
Romania									
Slovenia	1		During pregnancy				20 003	0	9.5
Slovakia									
Finland	1	1st trimester	After 1st trimester	53988	1771	14.7	53 988	1771	7.5
Sweden	1	1st trimester	3rd trimester	110016	4973	5.1	109 308	5681	3.8
United Kingdom									
UK: England (2015/16)	2	Booking	Delivery	438099	126756	14.2	456 344	108 511	12.3
UK: Wales	2		3rd trimester				29 584	1576	17.3
UK: Scotland	1	At booking		52237	1539	16.4			
UK: Northern Ireland	1		During pregnancy				24 172	15	14.3
Iceland									
Norway	1	First visit	End of pregnancy	53610	5317	5.5	50 009	8918	3.6
Switzerland									



R12: Distribution of maternal prepregnancy body mass index

Country/coverage	Source	Pregnancy body mass index		Percentage of women delivering live or stillbirths			
		All stated	Not stated	<18.5	18.5-24.9	25.0-29.9	≥30.0
Belgium	1	112 745	7964	5.4	59.1	22.8	12.7
Bulgaria							
Czech Republic							
Denmark	1	56 308	587	4.6	62.0	20.8	12.6
Germany	1	669 397	45 177	3.9	58.1	23.1	14.9
Estonia							
Ireland							
Greece							
Spain							
France, Survey (2016)	1	11 588	1489	7.4	60.8	20.0	11.8
Croatia	1	35 102	1764	5.5	67.6	19.0	7.8
Italy							
Cyprus							
Latvia							
Lithuania							
Luxembourg							
Hungary							
Malta	1	3475	910	2.8	59.7	23.8	13.7
Netherlands							
Austria	1	79 100	3465	6.4	64.5	19.0	10.0
Poland							
Portugal							
Romania							
Slovenia	1	19 983	20	4.7	66.1	19.6	9.6
Slovakia							
Finland	1	54 577	1182	3.5	61.2	22.1	13.2
Sweden (2014)	1	108 218	6771	2.6	57.8	25.9	13.7
United Kingdom							
UK: England (2015/16)	2	461 266	103 589	2.9	47.5	28.4	21.2
UK: Wales (2016)	1	24 040	0	2.4	43.6	28.4	25.6
UK: Scotland	1	52 387	1389	2.9	46.5	27.9	22.7
UK: Northern Ireland	1	23 871	316	1.9	47.9	29.8	20.4
Iceland							
Norway	1	43 683	15 239	4.2	62.4	21.6	11.6
Switzerland							

APPENDIX C:

Country	Source N°	Source name	Start date	Data from	Type of data	Coverage	Completeness	Participation	Linked Source	Institution	Other comments on data source
					P= Population H= hospital O= Other	C= Country level O= Other	U = Unknown	O= Obligatory V= Voluntary	Y= Yes N=No		
Austria	1	birth + cause of death statistics for infant death	1984	2015	P	C	100%	0	Y	Statistics Austria	Linkage of birth statistics and causes of death statistics for infant death
Austria	2	Cause of death statistics	1970	2015	P	C	99%	0	N	Statistics Austria	
Belgium	1	Civil Registration	1966	2015	H	C	100%	0	Y	Statistics Belgium (Statbel)	
Bulgaria	1	Vital Statistics		2014	P	C	100%	0	NA	National Statistics Institute	
Bulgaria	2	National birth register	2011	2014	P	C	100%	0	N	National center for public health and analysis	
Bulgaria	3	National center for public health and analysis	2000	2014	P	C	U	0	N	National center for public health and analysis	
Croatia	1	Croatian Medical Birth Database	1990	2015	H	C	100%	0	Y	Croatian Public Health Institute	
Croatia	2	Croatian Mortality Database	NA	2015	P	C	U	0	N	Croatian Central Bureau of Statistics (CBS)	
Cyprus	1	Birth Register	2007	2015	H	C	100%	0	Y	The Health Monitoring Unit, Cyprus ministry of health	The recording of medical data for births started from the year 2007 for all public maternity units. From the year 2014 the data also includes the private maternity units as well.
Cyprus	2	Death Register	2004	2015	P	C	100%	0	Y	The Health Monitoring Unit, Cyprus ministry of health	Death certificates, collected and coded by the Health monitoring unit. All administrative sources of information are used to collect data on deaths: medical death certificates, autopsy reports, coroner's reports, population registry of ministry of interior, EMCDDA of Cyprus, police records, accidents at work from the Ministry of Labor, Ministry of Foreign Affairs for deaths abroad. Even press reports are used to corroborate data.
Cyprus	3	Combined data from Demographic Report and from the Death Register	2004-2007	2015	P	C	100%	0	Y	Health Monitoring Unit, Cyprus Ministry of Health	
Cyprus	4	Combined data from the Birth register, Death register, and the Demographic Report	2011-2020	2015	P	C	99%	0	Y	Statistical Service and Ministry of Health	Covers all residents except nationals who deliver out of the country.
Czech Republic	1	Czech Statistical Office (CZSO)	1987	2015	P	C	100%	0	N	Czech Statistical Office (CZSO)	Vital statistics



Country	Source N°	Source name	Start date	Data from	Type of data	Coverage	Completeness	Participation	Linked Source	Institution	Other comments on data source
Czech Republic	2	Institute of Health Statistics and Information of the Czech Republic	2001	2015	P	C	99.5%	0		Institute of Health Statistics and Information of the Czech Republic	
Denmark	1	Medical birth register	1973	2015	P	C	± 100 %		Y	The Danish Health Data authority, under the Danish Ministry of Health	Hospital and home births included
Denmark	2	National patient register	1977	2015	P	C	± 100 %		N	The Danish Health Data authority, under the Danish Ministry of Health	Contains information on all contacts with the Danish hospitals
Denmark	3	Danish causes of death register	1970	2015	P	C	100%	0	N	The Danish Health Data authority, under the Danish Ministry of Health	Causes of death, civil status and causes of death related data
Denmark	4	The Centralized Civil Register		2015	P						
Estonia	1	Estonian Medical Birth Register	1992	2015	H/P (both)	C	99.9%	0	Y	National Institute for Public Health	Includes all deliveries in Estonia, including home deliveries
Estonia	2	Estonian Cause of Death Register	1983	2015	H/P (both)	C	99.6%	0	Y	National Institute for Public Health	Includes all deaths on the territory of Estonia, partly court decisions and deaths abroad of Estonian residents
Estonia	3	Linked Data from EMSR (Medical Birth) and SPR (Causes of Death)	1992	2015	O	C	99.8%	0	Y	National Institute for Public Health	Some births, occurring to residents abroad, can be registered in later years.
Estonia	4	Report of a health care institution on maternal deaths and child health	1960	2015	P	C	–	NA	N	Health Statistics Unit, National Institute for Public Health	
Estonia	5	Statistics Estonia based on Registry of Causes of Death	1920	2015	P	C	NA	NA	N	National Institute for Public Health	
Finland	1	Medical Birth Register	1987	2015	P	C	100%	0	Y	National Institute for Health and Welfare THL	Covers all occurring births in Finland despite citizenship or residence.
Finland	2	Cause-of-Death Register	1936	2015	P	C	100%	0	N	Statistics Finland	Includes Finnish citizens and permanent residents (with valid ID number).
France	1	National Perinatal Survey	2016	2016	P	C	100% for the minimum data set (core indicators)	V	N	INSERM	Representative sample of births in France.
France	2	Civil Registration	1900	2015	P	C	100%	0	N	INSEE (National Institute Of Statistics and Economics Studies)	Recording of births, deaths on the French territory
France	3	Routine death statistics	1979	2015	P	C	100%	0	N	National centre of statistics for medical causes of death (CépiDc)	
France	4	National confidential survey on maternal mortality, ENCMM	1996	2015	O	C	100%	V	Y	Inserm UMR 1153-Obstetrical, Perinatal and Pediatric Epidemiology Research Team	death certificates of women of reproductive age, birth registers and national hospital discharge data

Country	Source N°	Source name	Start date	Data from	Type of data	Coverage	Completeness	Participation	Linked Source	Institution	Other comments on data source
France	5	PMSI	1998	2015	H	O	99%	0	N	ATIH : Technical agency of hospitalization information	Linkage of hospital episodes is feasible. covers both public and private hospitals in France and the overseas districts
Germany	1	IQTIG	2015	2015	H	C	95-98% with 90% certainty	0		Federal Institute for the Quality of Medical Care	
Germany	2	Destatis	1834	2015	P	C	99.9%	0	Y	Federal Statistical Office	
Germany	3	Destatis terminations	1976	2015	P	C	99.5%	0	N	Federal Statistical Office	A special register of the Federal Bureau of statistics for terminations
Greece	1	Hellenic Statistical authority		2015	P	C		0			
Hungary	1	Hungarian Central Statistical Office	1865	2015	P	C	100%	0	Y		
Hungary	2	WHO, UNICEF, UNFPA, World Bank Group and United Nations Population Division Maternal Mortality Estimation Inter-Agency Group	1990	2015	P	C	100%	0	Y		
Hungary	3	National Health Insurance Fund of Hungary		2015	H	C	100%	0	Y		
Iceland	1	The Icelandic Birth Registration (IBR)	1972	2015	P	C	99%	0	Y		
Ireland	1	National Perinatal Reporting System (NPRS)	1985	2015	P	C	100%	0	N	The National Perinatal Reporting System (NPRS), managed by the Healthcare Pricing Office (HPO) at the Health Service Executive (HSE)	The birth notification form (BNF01) is completed where the birth takes place (either hospital/home).
Ireland	2	Central Statistical Office		2015						Central Statistics Office	link provided by SC member https://www.cso.ie/en/statistics/birthsdeathsandmarriages/ (data from online PDF)
Ireland	3	Confidential Maternal Death Enquiry Ireland		2015						National Perinatal Epidemiology Centre, Cork	link provided by SC member https://www.ucc.ie/en/npec/publications/ (data from online PDF)
Italy	1	Birth certificates (CEDAP, Certificato di assistenza al parto)	1978	2015	P	C	99%	0	N	Ministry of Health	
Italy	2	Survey on hospital discharges for spontaneous abortion	1979	2015	H	C	95%	0	N	National Institute of Statistics of Italy (ISTAT)	Data are collected using an individual form containing information on the woman and on the operation.



Country	Source N°	Source name	Start date	Data from	Type of data	Coverage	Completeness	Participation	Linked Source	Institution	Other comments on data source
Italy	3	Survey on induced abortion	1979	2015	H	C	100%	0	N	National Institute of Statistics of Italy (ISTAT)	Data are collected using an individual form containing information on the woman and on the operation.
Italy	4	Death Register before the first year of life		2015	P	C	100%	0	N	National Institute of Statistics of Italy (ISTAT)	
Italy	5	Death Register beyond the first year of life	1871	2015	P	C	100%	0	N	National Institute of Health	
Italy	6	Hospital Discharge	1995	2015	H	C	100%	0	N	Regional authorities and Ministry of Health	
Italy	7	Merged Datasource (1,2,3,4,6)							Y		
Italy	8	Merged Datasource (1,2,3,6)							Y		
Italy	9	Merged Datasource (1,2,6)							Y		
Italy	10	Merged Datasource (5,6)							Y		
Italy	11	Survey on health status and use of health services	1993	2013	P	C	100%	0	N	National Institute of Statistics of Italy (ISTAT)	The survey uses a stratified random sampling to obtain national representativeness
Latvia	1	Newbos Register of Latvia (The Medical Birth Register)	2000	2015	P	C	99%	0	Y	The Centre for Disease Prevention and Control of Latvia	Covers all deliveries, except nationals who deliver out of the country.
Latvia	2	Register of Causes of Death	1996	2015	P	C	99%	0	Y	The Centre for Disease Prevention and Control of Latvia	Also includes Latvians who have died abroad if possible
Latvia	3	The Medical Birth Register and Register of Cause of Death		2015					Y		Combined data source
Lithuania	1	Medical Date of Births	1993	2015	H	C	99%	0	N	HI HIC responsible for processing, Children's Hospital, Affiliate of Vilnius University Hospital Santariskiu Klinikos Centre of Neonatology responsible for analysing	Standard forms filled in maternity hospitals
Lithuania	2	Database of the Demographic Statistics	1994	2015	P	C	100%	0	Y	Central Statistical Office (Statistics Lithuania)	
Lithuania	3	Causes of Death register	2010	2015	P	C	100%	0	Y	Institute of Hygiene Health Information Centre (HI HIC)	

Country	Source N°	Source name	Start date	Data from	Type of data	Coverage	Completeness	Participation	Linked Source	Institution	Other comments on data source
Luxembourg	1	Perinatal Health Monitoring System	2009	2015	H	C	100%	0	N	Luxembourg institute of Health	Available in all maternity units and liberal midwives attending home deliveries.
Luxembourg	2	Stillbirths and early neonatal causes of death register	1967	2015	P	C	99%	0	Y	Ministry of Health - Direction of Health	
Luxembourg	3	Cause of Death Register- Registre des causes de décès du certificat de décès	1967	2015	P	C	99%	0	Y	Ministry of Health - Direction of Health	
Malta	1	National Obstetrics Information System	1999	2015	P	C	100%	V	N	Directorate for Health Information and Research	Records all births on the Maltese islands
Malta	2	National Mortality Register	1995	2015	P	C	100%	0	N	Directorate for Health Information and Research	
Norway	1	Medical Birth Register of Norway	1967	2015	P	C	99%	0	NA	The Norwegian Institute of Public Health	Includes stillbirths and livebirths 12-16 weeks GA and up.
Poland	1	Central Statistical Office	1946	2014	P	C	100%	0	N	Central Statistical Office	Birth and death certificates
Poland	2	Ministry of Health Data (Hospital discharge data MZ-29)		2014	H	C	100%	0	N	Centrum Systemów Informacyjnych Ochrony Zdrowia	
Portugal	1	National Statistics - Live births and fetal, neonatal and infant deaths	1935	2015	P	C	Almost 100%	0	N	National Statistics Institute (INE) / Department of Demographic and Social Statistics / Demographic Statistics Unit (INE/DES/DM)	Based on routine data from birth and death certificates at a national level.
Portugal	2	Hospital Discharge Data		2015	H	C	100% of public hospitals	0	N	Central Administration of the Health System (ACSS)	Diagnosis-related Group classification according to ICD9, developed for financial purposes. We have used all cases coded as "Pregnancy, Delivery and Puerperium".
Portugal	3	Hospitals' survey	2000	2015	H	C	Almost 100%	0	N	National Statistics Institute AND General Directorate for Health	
Romania	1	National Centre for Statistics and Informatics in Public Health (NCSIPH) for maternal deaths	1945	2015		C	100%	0	N	NCSIPH	
Romania	2	NIS births & NCSIPH fetal/neonatal/infant deaths	2000	2015	H	C	100%	0	N	National Institute for Statistics data for fetal deaths. National Center for Statistics and Informatics in Public Health for fetal deaths as a modality to validate the cause of death.	National Institute for Statistics data for births and National Centre for Statistics and Informatics in Public Health for fetal/neonatal/infant deaths



Country	Source N°	Source name	Start date	Data from	Type of data	Coverage	Completeness	Participation	Linked Source	Institution	Other comments on data source
Romania	3	NCSIPH fetal/neonatal/infant deaths	2000	2015	H	C	100%	0	N	National Institute for Statistics data for fetal deaths. National Center for Statistics and Informatics in Public Health for fetal deaths as a modality to validate the cause of death.	National Centre for Statistics and Informatics in Public Health for fetal/neonatal/infant deaths
Romania	4	NCSIPH DRG	2007	2015	H	O	Public hospitals only	0	Y	NCSIPH	NCSIPH data from the DRG system. Public hospitals only.
Romania	5	National Institute for Statistics demographic statistics for births	2000	2015	H	C	U	0	N	NIS	
Slovakia	1	NCZI SOR SON		2015	H	C	100%	0	N	National health information center	
Slovakia	2	Statistical Office SR		2015	P	C	100%	0	NA	Statistical office	
Slovenia	1	National Perinatal Information System of Slovenia	1986	2015	H	C	100%	0	N	Institute of Public Health	
Slovenia	2	Death certificates database		2015	P	C	U	0	NA	Institute for Public Health	
Spain	1	Vital Statistics	1858	2015	P	C	U	0	N	National Statistics Office.	Collects Vital Statistics among others statistics,
Spain	2	Minimum Data set	1997	2015	H	C	93.2%	V	N	Ministry of Health	All public hospital and around 66% of private hospitals in 2015
Spain: Catalonia	3	Register of babies	1993	2015	H	C		0	N	Subdirectorate-General for Epidemiological Surveillance and Public Health Emergency Response. Public Health Agency of Catalonia. Department of Health.	
Spain: Valencia	4	Obstetrics Medical Record Primary Care	2004	2016	O	O	60%	0	N	Regional Health Authority	
Sweden	1	Medical Birth Register	1973	2014	P	C	98%	0	Y	The National Board of Health and Welfare	All pregnancies and deliveries in Sweden
Switzerland	1	BEVNAT, statistics of natural population change (vital statistics)	1871	2014	P	C	± 100%	0	Y	Swiss Federal Statistical Office	Some underreporting of fetal deaths (including TOP) and births occurring outside the country
Switzerland	2	MS, Medical Hospital Statistics combined with data from	1998	2014	H	C	±97%	0	Y	Swiss Federal Statistical Office	National hospital data (plus some birthing homes)
Switzerland	3	The Swiss Federation of Midwives	2005	2014	O	C	± 99%	0	N	Swiss Federal Statistical Office, Swiss Federation of Midwives	the Swiss Federation of Midwives (births at home and in the remaining birthing homeOs)

Country	Source N°	Source name	Start date	Data from	Type of data	Coverage	Completeness	Participation	Linked Source	Institution	Other comments on data source
The Netherlands	1	Perined	1982	2015	P	C	99%	V	Y	The Netherlands Perinatal Registry	The Netherlands Perinatal Registry (PRN) includes data on pregnancies, deliveries, mothers and their babies and care process. PRN is a linked database which includes information from LVR1 (the midwife register), LVRh (the general practitioner register), LVR2 (the obstetrician register) and LNR the paediatrician and neonatologist register"
The Netherlands	2	Maternal Death Committee of NVOG (Dutch Association of Gynaecology and Obstetrics)									
The Netherlands	3	Statistics Netherlands (municipal base administration)		2015	P	C		0			
The Netherlands	4	Survey on breastfeeding and smoking		2015						TNO	
UK_England	1	Maternity Hospital Episode Statistics	1989/90	2015	H	0:England	Many missing data items	0	N	NHS Digital	Births in private hospitals and most home births missing, but under one per cent of births are in private hospitals and under three per cent at home
UK_England	2	MIS	2015-16	2015-16	H	England	Still very incomplete	Obligatory in theory	N	National Maternity and Perinatal Audit (NMPA)	
UK_England and Wales	1	Civil registration of births and deaths linked to notification of births	2005	2014 and 2015	P	0: England and Wales	100%	0	Y	Office for National Statistics	Linkage of infant deaths to births began in 1975. Linkage of registered births to birth notifications started with a pilot in 2005, mainstreamed from 2006 onwards
UK_England and Wales	2	Civil registration of births and deaths	1837	2015	P	0: England and Wales	100%	0	N	Office for National Statistics	Registration of stillbirths began in 1927. Linkage of infant deaths to births began in 1975.
UK_NI	1	Northern Ireland Maternity System (NIMATS)	2011	2015	H	0: Northern Ireland	100%	0	N	Dept. of Health, NI	Each of the 5 HSC Trusts trusts in Northern Ireland feed into this Hospital Maternity Administration System. Data can be accessed by the Department of Health, NI.
UK_NI	2	Perinatal Death notifications to NIMACH office and MBRRACE system	2009	2015	H and P	0: Northern Ireland	100%	0	Y	MMBRACE UK	GRONI Registrar General Annual Report and Patient Administration System.
UK_NI	3	General Register Office for Northern Ireland (GRONI), Civil Registration Data. Through NISRA.	1922	2015	P	0: Northern Ireland	100%	0	N	General Register Office for Northern Ireland.	1864 – All Ireland 1922 – Northern Ireland only. GRONI statistics produced by Northern Ireland Statistics and Research Agency (NISRA) with general registration statistics reported in the Registrar General Annual Report.



Country	Source N°	Source name	Start date	Data from	Type of data	Coverage	Completeness	Participation	Linked Source	Institution	Other comments on data source
UK_Scotland	1	Composite file created by linking 3 data sources: a) SMR02 - Scottish Morbidity Record 02 (Maternity Inpatients and Daycases) b) National Records of Scotland Stillbirths registrations c) National Records of Scotland Death Registrations	1975	2015	H	0: Scotland	~98%	V	Y	Information Services Division of NHS National Services Scotland	Creating the composite file: SMR02 records were extracted for all live births 22+ weeks and all fetal deaths 22+ weeks (including therapeutic abortions). A data linkage was carried out to match NRS Stillbirths and Deaths (infant deaths among babies born in 2015) to the SMR02 base file.
UK_Scotland	2	National Records of Scotland Death Registrations	1974	2015-2016	P	0: Scotland	100%	0	N	Information Services Division of NHS National Services Scotland	All deaths (including infant and maternal) are included in this register.
UK_Wales	1	Maternity Indicators Dataset	2015	2015/2016	H	0: Wales	Any patients treated in Welsh Hospitals	0	Y	NWIS (NHS Wales Informatics Service)	
UK_Wales	2	Maternity Indicators Dataset (Birth records only)	2016	2016	H	0: Wales	U	0	N	NHS Wales Informatics Service	
United Kingdom	1	MMBRACE UK	2013	2015	P	C	Full for neonatal deaths from 20 weeks gestation. Full for stillbirths from 24 weeks gestation. We request data from 22 weeks gestation for fetal deaths but cannot confirm coverage as they are not registered deaths. We think they are fairly well completed.	0	N	University of Oxford and University of Leicester	Previous system ran from 1992 to 2010.
United Kingdom	2	Confidential Enquiry into Maternal Deaths	1928	2012-2014	P	C	100%	0	Y	MMBRACE -UK . National Perinatal Epidemiology Unit, University of Oxford	