

**Maternal, Newborn and  
Infant Clinical Outcome  
Review Programme**



# **MBRRACE-UK Perinatal Mortality Surveillance Report**

**UK Perinatal Deaths for Births from  
January to December 2020**

## **Tables and Figures**

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on behalf of the MBRRACE-UK collaboration

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## Funding

The Maternal, Newborn and Infant Clinical Outcome Review Programme, delivered by MBRRACE-UK, is commissioned by the Healthcare Quality Improvement Partnership (HQIP) as part of the National Clinical Audit and Patient Outcomes Programme (NCAPOP). HQIP is led by a consortium of the Academy of Medical Royal Colleges, the Royal College of Nursing, and National Voices. Its aim is to promote quality improvement in patient outcomes. The Clinical Outcome Review Programmes, which encompass confidential enquiries, are designed to help assess the quality of healthcare, and stimulate improvement in safety and effectiveness by systematically enabling clinicians, managers, and policy makers to learn from adverse events and other relevant data. HQIP holds the contract to commission, manage, and develop the National Clinical Audit and Patient Outcomes Programme (NCAPOP), comprising around 40 projects covering care provided to people with a wide range of medical, surgical and mental health conditions. The Maternal, Newborn and Infant Clinical Outcome Review Programme is funded by NHS England, NHS Wales, the Health and Social Care division of the Scottish Government, the Northern Ireland Department of Health, and the States of Jersey, Guernsey, and the Isle of Man.

More details can be found at: [www.hqip.org.uk/national-programmes](http://www.hqip.org.uk/national-programmes).

## Stakeholder involvement

Organisations representing parents and families are involved in the MBRRACE-UK programme as part of the 'Third Sector' stakeholder group, identifying possible areas for future research and helping to communicate key findings and messages from the programme to parents, families, the public and policy makers, including through the development of lay summary reports. A full list of organisations can be found at the end of this document.

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## Definitions used in this document

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<b>Late fetal loss</b>	A baby born between 22 <sup>+0</sup> and 23 <sup>+6</sup> weeks gestational age showing no signs of life, irrespective of when the death occurred.
<b>Stillbirth</b>	A baby born at or after 24 <sup>+0</sup> weeks gestational age showing no signs of life, irrespective of when the death occurred.
<i>Antepartum stillbirth</i>	A baby born at or after 24 <sup>+0</sup> weeks gestational age showing no signs of life and known to have died before the onset of care in labour.
<i>Intrapartum stillbirth</i>	A baby born at or after 24 <sup>+0</sup> weeks gestational age showing no signs of life and known to have been alive at the onset of care in labour.
<b>Neonatal death</b>	A liveborn baby (born at 20 <sup>+0</sup> weeks gestational age or later, or with a birthweight of 400g or more where an accurate estimate of gestation is not available), who died before 28 completed days after birth.
<i>Early neonatal death</i>	A liveborn baby (born at 20 <sup>+0</sup> weeks gestational age or later, or with a birthweight of 400g or more where an accurate estimate of gestation is not available) who died before 7 completed days after birth.
<i>Late neonatal death</i>	A liveborn baby (born at 20 <sup>+0</sup> weeks gestational age or later, or with a birthweight of 400g or more where an accurate estimate of gestation is not available) who died after 7 completed days but before 28 completed days after birth.
<b>Perinatal death</b>	A stillbirth or early neonatal death.
<b>Extended perinatal death</b>	A stillbirth or neonatal death.
<b>Termination of pregnancy</b>	The deliberate ending of a pregnancy, normally carried out before the embryo or fetus is capable of independent life.

## Abbreviations

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<b>BMI</b>	Body Mass Index
<b>CCG</b>	Clinical Commissioning Group
<b>HQIP</b>	Healthcare Quality Improvement Partnership
<b>LFL</b>	Late Fetal Loss
<b>MBRRACE-UK</b>	Mothers and Babies: Reducing Risk through Audits and Confidential Enquiries across the UK
<b>MNI-CORP</b>	Maternal, Newborn and Infant Clinical Outcome Review Programme
<b>NICU</b>	Neonatal Intensive Care Unit
<b>NIMACH</b>	Northern Ireland Maternal and Child Health
<b>NIMATS</b>	Northern Ireland Maternity System
<b>NISRA</b>	Northern Ireland Statistics and Research Agency
<b>NRS</b>	National Records of Scotland
<b>ONS</b>	Office for National Statistics
<b>PDS</b>	Personal Demographics Service
<b>PHS</b>	Public Health Scotland
<b>STP</b>	Sustainability and Transformation Partnership

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# 1. Perinatal mortality rates in the UK: 2020

## Mortality rates for individual organisations

Mortality rates for the following types of organisation can be found online at: [www.npeu.ox.ac.uk/mbrance-uk/reports](http://www.npeu.ox.ac.uk/mbrance-uk/reports):

- Commissioning organisations;
- Trusts and Health Boards, including and excluding deaths due to congenital anomalies;
- Neonatal Networks;
- Local Authorities.

## 1.1 Mortality rates for the UK as a whole, the four countries of the UK, and the Crown Dependencies

**Table 1: Number of births, stillbirths, neonatal deaths, and extended perinatal deaths by country of residence: United Kingdom and Crown Dependencies, for births in 2020**

Births and perinatal deaths	Number <sup>§</sup>					
	UK <sup>^</sup>	England	Scotland	Wales	Northern Ireland <sup>°</sup>	Crown Dep.
<b>Total births</b>	689,004	588,731	47,845	28,756	21,569	2,034
<b>Live births</b>	686,712	586,792	47,667	28,656	21,496	2,032
<b>Stillbirths</b>	2,292	1,939	178	100	73	2
Antepartum	2,039	1,719	161	93	64	2
Intrapartum	161	141	9	5	6	0
Unknown timing	92	79	8	2	3	0
<b>Neonatal deaths</b>	1,051	880	70	47	51	3
Early neonatal deaths	676	567	42	27	39	1
Late neonatal deaths	375	313	28	20	12	2
<b>Perinatal deaths</b>	2,968	2,506	220	127	112	3
<b>Extended perinatal deaths</b>	3,343	2,819	248	147	124	5

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>^</sup> including the Crown Dependencies and mothers with unknown residency

<sup>°</sup> New legislation on termination of pregnancy in Northern Ireland (Abortion (Northern Ireland) Regulations 2020) became law on 31<sup>st</sup> March 2020

Data sources: MBRRACE-UK, ONS, PDS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 2: Stillbirth, neonatal, and extended perinatal mortality rates (95% confidence intervals (CIs)) by country of residence: United Kingdom and Crown Dependencies, for births in 2020**

Perinatal deaths	Rate per 1,000 births (CI) <sup>§</sup>					
	UK <sup>^</sup>	England	Scotland	Wales	Northern Ireland <sup>°</sup>	Crown Dep.
<b>Stillbirths<sup>†</sup></b>	3.33 (3.19 to 3.46)	3.29 (3.15 to 3.44)	3.72 (3.17 to 4.27)	3.48 (2.8 to 4.16)	3.38 (2.61 to 4.16)	0.98 (0 to 2.35)
Antepartum <sup>†</sup>	2.96 (2.83 to 3.09)	2.92 (2.78 to 3.06)	3.37 (2.85 to 3.88)	3.23 (2.58 to 3.89)	2.97 (2.24 to 3.69)	0.98 (0 to 2.35)
Intrapartum <sup>†</sup>	0.23 (0.2 to 0.27)	0.24 (0.2 to 0.28)	0.19 (0.07 to 0.31)	0.17 (0.02 to 0.33)	0.28 (0.06 to 0.5)	0.00 (0 to 1.47)
Unknown timing <sup>†</sup>	0.13 (0.11 to 0.16)	0.13 (0.1 to 0.16)	0.17 (0.05 to 0.28)	0.07 (0 to 0.17)	0.14 (0 to 0.3)	0.00 (0 to 1.47)
<b>Neonatal deaths<sup>‡</sup></b>	1.53 (1.44 to 1.62)	1.50 (1.4 to 1.6)	1.47 (1.12 to 1.81)	1.64 (1.17 to 2.11)	2.37 (1.72 to 3.02)	1.48 (0 to 3.15)
Early neonatal deaths <sup>‡</sup>	0.98 (0.91 to 1.06)	0.97 (0.89 to 1.05)	0.88 (0.61 to 1.15)	0.94 (0.59 to 1.3)	1.81 (1.25 to 2.38)	0.49 (0 to 1.46)
Late neonatal deaths <sup>‡</sup>	0.55 (0.49 to 0.6)	0.53 (0.47 to 0.59)	0.59 (0.37 to 0.8)	0.70 (0.39 to 1)	0.56 (0.24 to 0.87)	0.98 (0 to 2.35)
<b>Perinatal deaths<sup>†</sup></b>	4.31 (4.15 to 4.46)	4.26 (4.09 to 4.42)	4.60 (3.99 to 5.2)	4.42 (3.65 to 5.18)	5.19 (4.23 to 6.15)	1.47 (0 to 3.14)
<b>Extended perinatal deaths<sup>†</sup></b>	4.85 (4.69 to 5.02)	4.79 (4.61 to 4.96)	5.18 (4.54 to 5.83)	5.11 (4.29 to 5.94)	5.75 (4.74 to 6.76)	2.46 (0.31 to 4.61)

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>°</sup> New legislation on termination of pregnancy in Northern Ireland (Abortion (Northern Ireland) Regulations 2020) became law on 31<sup>st</sup> March 2020

<sup>^</sup> including the Crown Dependencies and mothers with unknown residency

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 3: Stillbirth, neonatal, and extended perinatal mortality rates by quarter: United Kingdom and Crown Dependencies, for births from 2016 to 2020**

Year	Quarter	Number <sup>§</sup>				
		Rate per 1,000 births				
		Stillbirths <sup>†</sup>			Neonatal deaths <sup>‡</sup>	Extended perinatal deaths <sup>†</sup>
		All	Antepartum	Intrapartum		
2016	Jan-Mar	756	664	67	348	1,104
		3.98	3.50	0.35	1.84	5.82
	Apr-Jun	768	686	57	337	1,105
		3.92	3.50	0.29	1.73	5.64
	Jul-Sep	794	696	73	331	1,125
		3.92	3.44	0.36	1.64	5.56
	Oct-Dec	747	650	69	321	1,068
		3.89	3.39	0.36	1.68	5.56
2017	Jan-Mar	697	598	72	334	1,031
		3.80	3.26	0.39	1.83	5.62
	Apr-Jun	740	654	58	348	1,088
		3.91	3.46	0.31	1.85	5.75
	Jul-Sep	723	648	58	306	1,029
		3.66	3.28	0.29	1.55	5.21
	Oct-Dec	680	603	53	279	959
		3.59	3.18	0.28	1.48	5.06
2018	Jan-Mar	689	604	64	280	969
		3.88	3.40	0.36	1.58	5.46
	Apr-Jun	661	574	64	304	965
		3.59	3.12	0.35	1.66	5.25
	Jul-Sep	655	570	58	320	975
		3.44	3.00	0.31	1.69	5.13
	Oct-Dec	574	511	40	295	869
		3.12	2.78	0.22	1.61	4.72
2019	Jan-Mar	573	507	45	266	839
		3.31	2.92	0.26	1.54	4.84
	Apr-Jun	591	523	43	285	876
		3.31	2.92	0.24	1.60	4.90
	Jul-Sep	625	556	48	313	938
		3.34	2.97	0.26	1.68	5.01
	Oct-Dec	610	535	47	294	904
		3.44	3.02	0.27	1.66	5.10
2020	Jan-Mar	561	495	47	279	840
		3.28	2.89	0.27	1.64	4.91
	Apr-Jun	598	537	36	271	869
		3.49	3.13	0.21	1.59	5.07
	Jul-Sep	564	499	43	253	817
		3.17	2.81	0.24	1.43	4.60
	Oct-Dec	569	508	35	248	817
		3.37	3.01	0.21	1.47	4.84

† per 1,000 total births

‡ per 1,000 live births

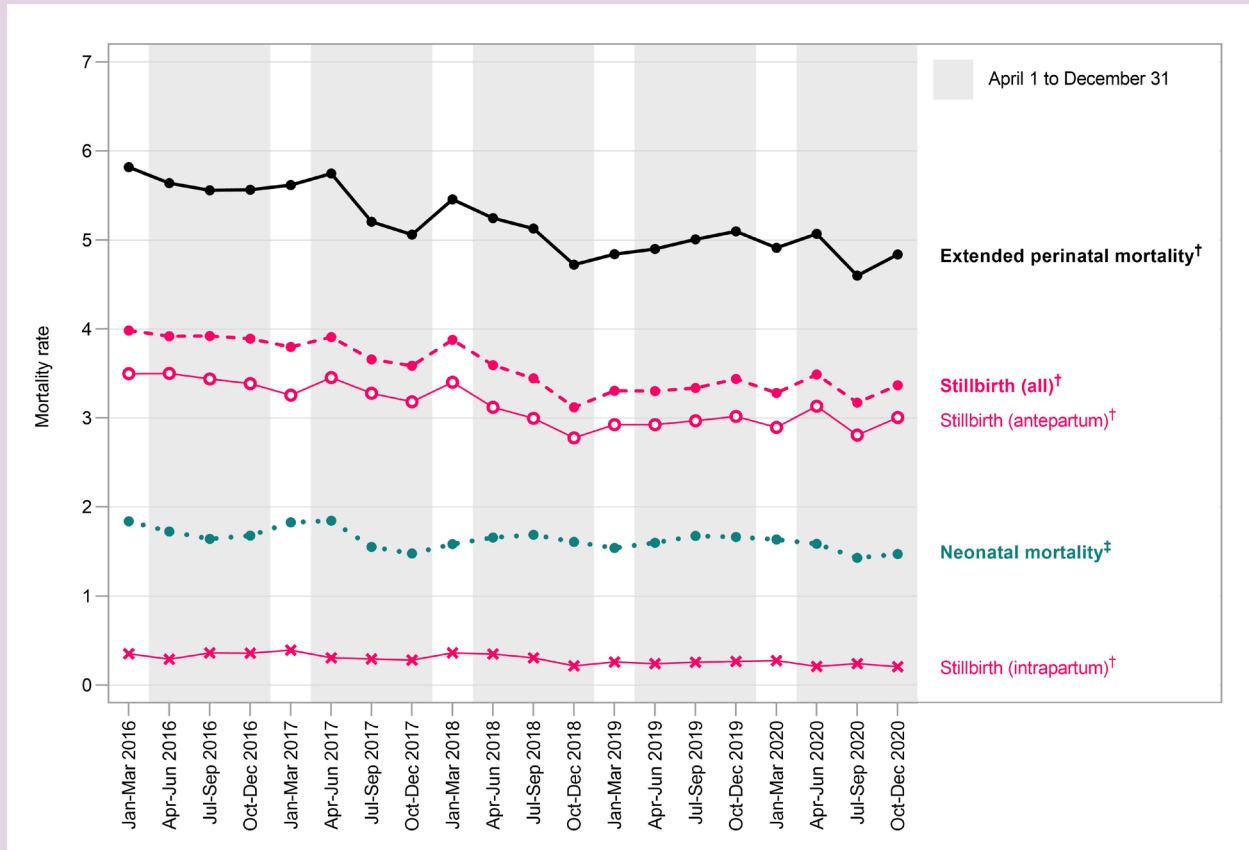
§ excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

^ including the Crown Dependencies and mothers with unknown residency

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Figure 1: Stillbirth, neonatal, and extended perinatal mortality rates by quarter: United Kingdom and Crown Dependencies, for births from 2016 to 2020**



† per 1,000 total births

‡ per 1,000 live births

Excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 4: Stillbirth, neonatal, and extended perinatal mortality rates for the UK and by country of residence: United Kingdom, for births from 2013 to 2020**

Year	Rate per 1,000 births (CI) <sup>§</sup>					
	UK <sup>^</sup>	England	Scotland	Wales	Northern Ireland <sup>°</sup>	Crown Dep.
<b>Stillbirths<sup>†</sup></b>						
2013	4.20 (4.06 to 4.35)	4.26 (4.10 to 4.42)	3.78 (3.30 to 4.32)	3.78 (3.18 to 4.50)	4.33 (3.58 to 5.24)	3.25 (1.65 to 6.40)
2014	4.16 (4.01 to 4.32)	4.19 (4.04 to 4.35)	3.69 (3.19 to 4.19)	4.71 (3.98 to 5.44)	3.76 (2.99 to 4.52)	1.24 (0.00 to 2.64)
2015	3.87 (3.73 to 4.01)	3.93 (3.78 to 4.08)	3.47 (2.98 to 3.96)	4.10 (3.41 to 4.78)	3.24 (2.53 to 3.95)	1.67 (0.03 to 3.3)
2016	3.93 (3.79 to 4.07)	3.92 (3.77 to 4.07)	3.67 (3.17 to 4.18)	4.44 (3.73 to 5.16)	3.97 (3.18 to 4.76)	3.36 (1.04 to 5.68)
2017	3.74 (3.6 to 3.87)	3.68 (3.53 to 3.83)	3.89 (3.36 to 4.42)	3.99 (3.31 to 4.68)	4.63 (3.76 to 5.50)	3.11 (0.81 to 5.42)
2018	3.51 (3.37 to 3.64)	3.52 (3.37 to 3.67)	3.22 (2.73 to 3.71)	3.79 (3.11 to 4.47)	3.43 (2.68 to 4.19)	2.30 (0.29 to 4.31)
2019	3.35 (3.21 to 3.48)	3.33 (3.19 to 3.47)	3.22 (2.72 to 3.71)	4.02 (3.31 to 4.74)	3.24 (2.50 to 3.98)	1.89 (0.04 to 3.73)
2020	3.33 (3.19 to 3.46)	3.29 (3.15 to 3.44)	3.72 (3.17 to 4.27)	3.48 (2.8 to 4.16)	3.38 (2.61 to 4.16)	0.98 (0.00 to 2.35)
<b>Neonatal deaths<sup>‡</sup></b>						
2013	1.84 (1.75 to 1.94)	1.83 (1.73 to 1.94)	1.66 (1.36 to 2.04)	1.90 (1.49 to 2.42)	2.44 (1.89 to 3.15)	1.22 (0.42 to 3.59)
2014	1.76 (1.67 to 1.86)	1.73 (1.63 to 1.83)	1.86 (1.51 to 2.22)	1.67 (1.23 to 2.10)	2.99 (2.31 to 3.68)	1.24 (0.00 to 2.65)
2015	1.74 (1.65 to 1.84)	1.71 (1.62 to 1.81)	1.26 (0.96 to 1.55)	2.10 (1.61 to 2.59)	3.21 (2.50 to 3.92)	1.25 (0.00 to 2.67)
2016	1.72 (1.63 to 1.81)	1.72 (1.62 to 1.82)	1.69 (1.34 to 2.03)	1.43 (1.02 to 1.84)	2.20 (1.61 to 2.79)	1.26 (0.00 to 2.69)
2017	1.67 (1.58 to 1.77)	1.65 (1.55 to 1.75)	1.59 (1.25 to 1.93)	1.93 (1.45 to 2.41)	2.07 (1.48 to 2.65)	0.89 (0.00 to 2.13)
2018	1.64 (1.54 to 1.73)	1.63 (1.53 to 1.73)	1.36 (1.04 to 1.68)	1.95 (1.46 to 2.44)	2.05 (1.46 to 2.64)	0.00 (0.00 to 1.38)
2019	1.62 (1.53 to 1.71)	1.55 (1.45 to 1.65)	1.49 (1.15 to 1.83)	2.32 (1.78 to 2.87)	2.85 (2.15 to 3.54)	1.42 (0.00 to 3.02)
2019	1.53 (1.44 to 1.62)	1.50 (1.4 to 1.6)	1.47 (1.12 to 1.81)	1.64 (1.17 to 2.11)	2.37 (1.72 to 3.02)	1.48 (0.00 to 3.15)
<b>Extended perinatal deaths<sup>‡</sup></b>						
2013	6.04 (5.87 to 6.21)	6.09 (5.90 to 6.28)	5.43 (4.86 to 6.08)	5.68 (4.93 to 6.53)	6.76 (5.81 to 7.87)	4.47 (2.50 to 7.98)
2014	5.88 (5.71 to 6.04)	5.91 (5.73 to 6.10)	5.55 (4.93 to 6.16)	6.37 (5.52 to 7.22)	6.74 (5.71 to 7.76)	2.48 (0.50 to 4.46)
2015	5.61 (5.44 to 5.77)	5.64 (5.46 to 5.81)	4.72 (4.15 to 5.29)	6.19 (5.35 to 7.03)	6.44 (5.44 to 7.44)	2.92 (0.76 to 5.08)
2016	5.64 (5.48 to 5.281)	5.64 (5.46 to 5.82)	5.36 (4.74 to 5.97)	5.87 (5.04 to 6.69)	6.16 (5.18 to 7.15)	4.62 (1.90 to 7.34)
2017	5.40 (5.24 to 5.57)	5.33 (5.15 to 5.51)	5.47 (4.85 to 6.10)	5.91 (5.08 to 6.75)	6.69 (5.64 to 7.74)	4.00 (1.39 to 6.61)
2018	5.13 (4.97 to 5.30)	5.15 (4.97 to 5.32)	4.58 (4.00 to 5.17)	5.73 (4.9 to 6.57)	5.48 (4.52 to 6.43)	2.30 (0.29 to 4.31)
2019	4.96 (4.80 to 5.12)	4.88 (4.70 to 5.05)	4.70 (4.10 to 5.31)	6.34 (5.44 to 7.24)	6.08 (5.06 to 7.09)	3.30 (0.86 to 5.74)
2020	4.85 (4.69 to 5.02)	4.79 (4.61 to 4.96)	5.18 (4.54 to 5.83)	5.11 (4.29 to 5.94)	5.75 (4.74 to 6.76)	2.46 (0.31 to 4.61)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>^</sup> including the Crown Dependencies

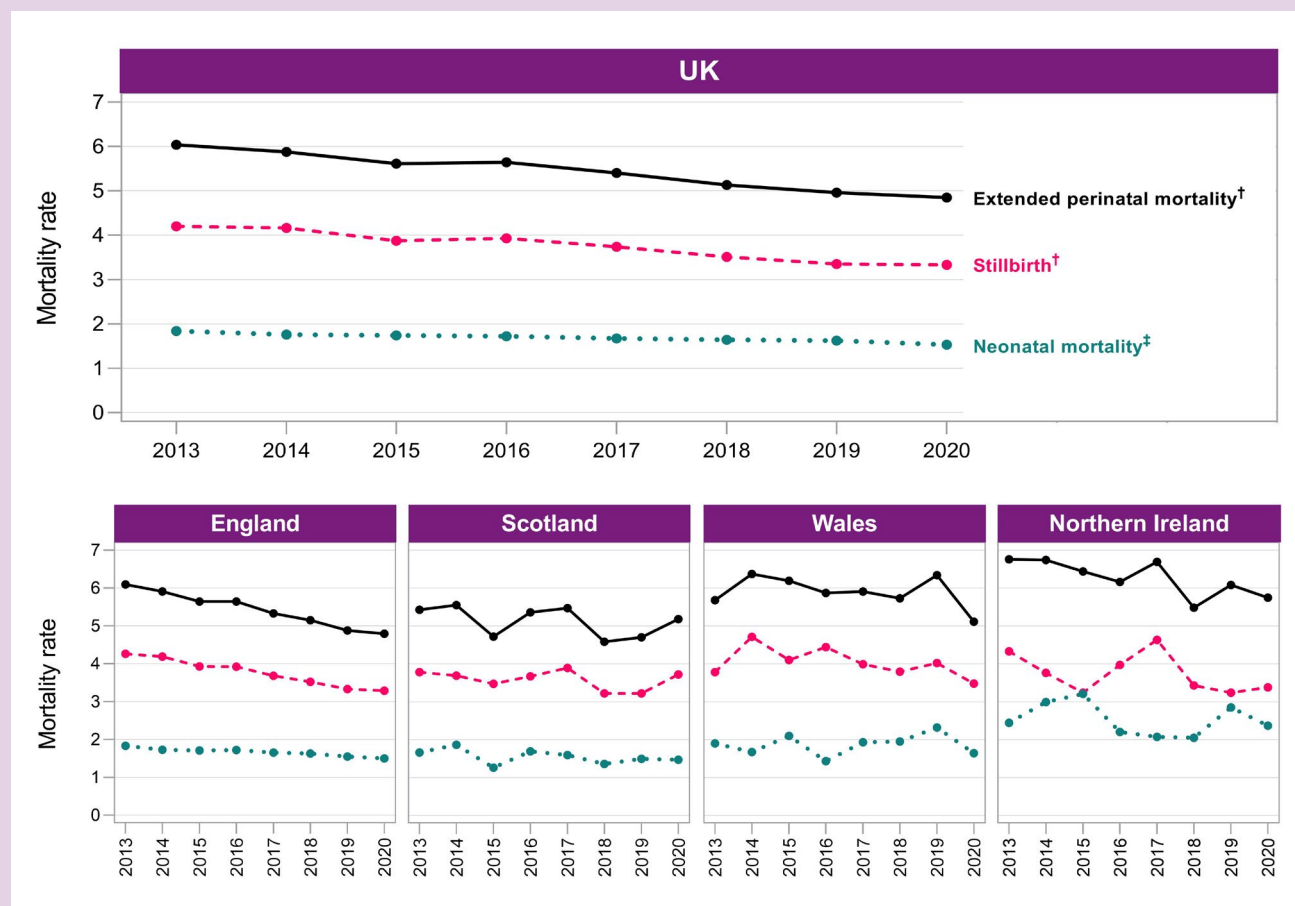
<sup>°</sup> New legislation on termination of pregnancy in Northern Ireland (Abortion (Northern Ireland) Regulations 2020) became law on 31<sup>st</sup> March 2020

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

**Figure 2: Stillbirth, neonatal, and extended perinatal mortality rates for the UK and by country of residence: United Kingdom, for births from 2013 to 2020**



† per 1,000 total births

‡ per 1,000 live births

Excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

° New legislation on termination of pregnancy in Northern Ireland (Abortion (Northern Ireland) Regulations 2020) became law on 31<sup>st</sup> March 2020

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 5: Number of births, stillbirths, neonatal deaths, and extended perinatal deaths by gestational age at birth: United Kingdom and Crown Dependencies, for births in 2020**

Number <sup>§</sup>	Gestational age at birth (weeks)					
	22 <sup>+0</sup> -23 <sup>+6</sup>	24 <sup>+0</sup> -27 <sup>+6</sup>	28 <sup>+0</sup> -31 <sup>+6</sup>	32 <sup>+0</sup> -36 <sup>+6</sup>	37 <sup>+0</sup> -41 <sup>+6</sup> °	≥42 <sup>+0</sup>
<b>Total births</b>	863	2,603	5,330	41,920	591,565	12,252
<b>Live births</b>	470	2,087	4,941	41,275	590,840	12,239
<b>Stillbirths</b>	393	516	389	645	725	13
<i>Antepartum</i>	270	457	355	595	622	7
<i>Intrapartum</i>	94	38	21	26	70	6
<i>Unknown timing</i>	29	21	13	24	33	0
<b>Neonatal deaths</b>	305	283	151	221	387	9
<i>Early neonatal deaths</i>	256	176	100	159	236	5
<i>Late neonatal deaths</i>	49	107	51	62	151	4
<b>Perinatal deaths</b>	649	692	489	804	961	18
<b>Extended perinatal deaths</b>	698	799	540	866	1,112	22

§ excluding terminations of pregnancy

° births with missing information for gestational ages were excluded (N=35,334)

Data sources: MBRRACE-UK, ONS, PDS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 6: Stillbirth, neonatal, and extended perinatal mortality rates (95% CIs) by gestational age at birth: United Kingdom and Crown Dependencies, for births in 2020**

Rate per 1,000 births <sup>§</sup>	Gestational age at birth (weeks) <sup>°</sup>					
	22 <sup>+0</sup> -23 <sup>+6</sup>	24 <sup>+0</sup> -27 <sup>+6</sup>	28 <sup>+0</sup> -31 <sup>+6</sup>	32 <sup>+0</sup> -36 <sup>+6</sup>	37 <sup>+0</sup> -41 <sup>+6</sup> <sup>°</sup>	≥42 <sup>+0</sup>
<b>Stillbirths<sup>†</sup></b>	455.4 (422.2 to 488.6)	198.2 (182.9 to 213.5)	73.0 (66.0 to 80.0)	15.4 (14.2 to 16.6)	1.23 (1.1 to 1.3)	1.06 (0.5 to 1.6)
<i>Antepartum<sup>†</sup></i>	312.9 (281.9 to 343.8)	175.9 (161 to 190.2)	66.6 (59.9 to 73.3)	14.2 (13.1 to 15.3)	1.05 (1.0 to 1.1)	0.57 (0.1 to 1.0)
<i>Intrapartum<sup>†</sup></i>	108.9 (88.1 to 129.7)	14.6 (10 to 19.2)	3.94 (2.3 to 5.6)	0.62 (0.4 to 0.9)	0.12 (0.1 to 0.1)	0.49 (0.1 to 0.9)
<i>Unknown timing<sup>†</sup></i>	33.6 (21.6 to 45.6)	8.07 (4.6 to 11.5)	2.44 (1.1 to 3.8)	0.57 (0.3 to 0.8)	0.06 (0.0 to 0.1)	0.00 (0.0 to 0.0)
<b>Neonatal deaths<sup>‡</sup></b>	648.9 (605.8 to 692.1)	135.6 (120.9 to 150.3)	30.6 (25.8 to 35.4)	5.35 (4.7 to 6.1)	0.65 (0.6 to 0.7)	0.74 (0.3 to 1.2)
<i>Early neonatal deaths<sup>‡</sup></i>	544.7 (499.7 to 589.7)	84.3 (72.4 to 96.3)	20.2 (16.3 to 24.2)	3.85 (3.3 to 4.4)	0.40 (0.3 to 0.5)	0.41 (0.1 to 0.8)
<i>Late neonatal deaths<sup>‡</sup></i>	104.3 (76.6 to 131.9)	51.3 (41.8 to 60.7)	10.3 (7.5 to 13.1)	1.50 (1.1 to 1.9)	0.26 (0.2 to 0.3)	0.33 (0 to 0.6)
<b>Perinatal deaths<sup>†</sup></b>	752.0 (723.2 to 780.8)	265.9 (248.9 to 282.8)	91.7 (84 to 99.5)	19.2 (17.9 to 20.5)	1.62 (1.5 to 1.7)	1.47 (0.8 to 2.1)
<b>Extended perinatal deaths<sup>†</sup></b>	808.8 (782.6 to 835)	307.0 (289.2 to 324.7)	101.3 (93.2 to 109.4)	20.7 (19.3 to 22.0)	1.88 (1.8 to 2.0)	1.80 (1 to 2.5)

<sup>§</sup> excluding terminations of pregnancy

<sup>°</sup> births with missing information for gestational ages were excluded (N=35,334)

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 7: Number and percentage of stillbirths and late fetal losses by gestational age at birth: United Kingdom and Crown Dependencies, for births from 2016 to 2020**

		Gestational age at birth (weeks)	Stillbirths and late fetal losses <sup>§</sup>					
			2016	2017	2018	2019	2020	
Preterm	Extremely preterm	22 <sup>+0</sup> -23 <sup>+6</sup>	Births <sup>§</sup>	1,034	1,070	1,008	1,026	863
			Late fetal losses N (%)	529 (14.7)	530 (15.7)	508 (16.5)	514 (17.7)	393 (14.7)
			Rate <sup>†</sup>	511.6	495.3	504.0	501.0	455.4
		24 <sup>+0</sup> -27 <sup>+6</sup>	Births <sup>§</sup>	3,260	3,166	3,028	2,907	2,603
			Stillbirths N (%)	717 (19.9)	710 (21.1)	665 (21.6)	604 (20.7)	516 (19.2)
			Rate <sup>†</sup>	219.9	224.3	219.6	207.8	198.2
	Very preterm	28 <sup>+0</sup> -31 <sup>+6</sup>	Births <sup>§</sup>	6,616	6,512	6,062	5,934	5,330
			Stillbirths N (%)	512 (14.2)	482 (14.3)	467 (15.1)	417 (14.3)	389 (14.5)
			Rate <sup>†</sup>	77.4	74.0	77.0	70.3	73.0
	Moderate to late preterm	32 <sup>+0</sup> -36 <sup>+6</sup>	Births <sup>§</sup>	50,365	50,251	48,150	46,483	41,920
			Stillbirths N (%)	786 (21.9)	730 (21.7)	658 (21.3)	635 (21.8)	645 (24.1)
			Rate <sup>†</sup>	15.6	14.5	13.7	13.7	15.4
Term	37 <sup>+0</sup> -41 <sup>+6</sup>	Births <sup>§</sup>	678,089	660,948	637,257	625,255	591,565	
		Stillbirths N (%)	1031 (28.7)	894 (26.5)	772 (25)	733 (25.2)	725 (27)	
		Rate <sup>†</sup>	1.52	1.35	1.21	1.17	1.23	
	≥42	Births <sup>§</sup>	18,276	16,211	14,307	13,214	12,252	
		Stillbirths N (%)	19 (0.5)	22 (0.7)	15 (0.5)	8 (0.3)	13 (0.5)	
		Rate <sup>†</sup>	1.04	1.36	1.05	0.61	1.06	
Total births			<b>757,640</b>	<b>738,158</b>	<b>709,812</b>	<b>694,819</b>	<b>654,533</b>	

<sup>§</sup> excluding terminations of pregnancy and births with missing gestational age

<sup>†</sup> per 1,000 total births

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 8: Number and percentage of neonatal deaths by gestational age at birth: United Kingdom and Crown Dependencies, for births from 2016 to 2020**

		Gestational age at birth (weeks)		Neonatal deaths <sup>§</sup>				
				2016	2017	2018	2019	2020
Preterm	Extremely preterm	22 <sup>+0</sup> -23 <sup>+6</sup>	Live births <sup>§</sup>	505	540	500	512	470
			Neonatal deaths N (%)	360 (21.3)	386 (23.4)	356 (22.9)	337 (22.6)	305 (22.5)
			Rate <sup>†</sup>	712.9	714.8	712.0	658.2	648.9
		24 <sup>+0</sup> -27 <sup>+6</sup>	Live births <sup>§</sup>	2,543	2,456	2,363	2,303	2,087
			Neonatal deaths N (%)	404 (23.9)	365 (22.2)	342 (22)	349 (23.4)	283 (20.9)
			Rate <sup>†</sup>	158.9	148.6	144.7	151.5	135.6
	Very preterm	28 <sup>+0</sup> -31 <sup>+6</sup>	Live births <sup>§</sup>	6,104	6,030	5,595	5,517	4,941
			Neonatal deaths N (%)	177 (10.5)	187 (11.4)	167 (10.8)	160 (10.7)	151 (11.1)
			Rate <sup>†</sup>	29.0	31.0	29.8	29.0	30.6
	Moderate to late preterm	32 <sup>+0</sup> -36 <sup>+6</sup>	Live births <sup>§</sup>	49,579	49,521	47,492	45,848	41,275
			Neonatal deaths N (%)	275 (16.2)	270 (16.4)	244 (15.7)	241 (16.2)	221 (16.3)
			Rate <sup>†</sup>	5.55	5.45	5.14	5.26	5.35
Term	37 <sup>+0</sup> -41 <sup>+6</sup>	Live births <sup>§</sup>	677,058	660,054	636,485	624,522	590,840	
		Neonatal deaths N (%)	468 (27.6)	428 (26)	431 (27.8)	398 (26.7)	387 (28.5)	
		Rate <sup>†</sup>	0.69	0.65	0.68	0.64	0.65	
	≥42	Live births <sup>§</sup>	18,257	16,189	14,292	13,206	12,239	
		Neonatal deaths N (%)	9 (0.5)	11 (0.7)	13 (0.8)	6 (0.4)	9 (0.7)	
		Rate <sup>†</sup>	0.49	0.68	0.91	0.45	0.74	
Total live births			<b>754,046</b>	<b>734,790</b>	<b>706,727</b>	<b>691,908</b>	<b>651,852</b>	

<sup>§</sup> excluding terminations of pregnancy and births with missing gestational age

<sup>†</sup> per 1,000 live births

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 9: Number and percentage of extended perinatal deaths by gestational age at birth: United Kingdom and Crown Dependencies, for births from 2016 to 2020**

		Gestational age at birth (weeks)		Extended perinatal deaths <sup>§</sup>				
				2016	2017	2018	2019	2020
Preterm	Extremely preterm	22 <sup>+0</sup> -23 <sup>+6</sup>	Live births <sup>§</sup>	1,034	1,070	1,008	1,026	863
			Extended perinatal deaths N (%)	889 (16.8)	916 (18.3)	864 (18.6)	851 (19.3)	698 (17.3)
			Rate <sup>†</sup>	859.8	856.1	857.1	829.4	808.8
		24 <sup>+0</sup> -27 <sup>+6</sup>	Live births <sup>§</sup>	3,260	3,166	3,028	2,907	2,603
			Extended perinatal deaths N (%)	1121 (21.2)	1075 (21.4)	1007 (21.7)	953 (21.6)	799 (19.8)
			Rate <sup>†</sup>	343.9	339.5	332.6	327.8	307.0
	Very preterm	28 <sup>+0</sup> -31 <sup>+6</sup>	Live births <sup>§</sup>	6,616	6,512	6,062	5,934	5,330
			Extended perinatal deaths N (%)	689 (13)	669 (13.3)	634 (13.7)	577 (13.1)	540 (13.4)
			Rate <sup>†</sup>	104.1	102.7	104.6	97.2	101.3
	Moderate to late preterm	32 <sup>+0</sup> -36 <sup>+6</sup>	Live births <sup>§</sup>	50,365	50,251	48,150	46,483	41,920
			Extended perinatal deaths N (%)	1061 (20.1)	1000 (19.9)	902 (19.4)	876 (19.9)	866 (21.5)
			Rate <sup>†</sup>	21.07	19.90	18.73	18.85	20.66
Term	37 <sup>+0</sup> -41 <sup>+6</sup>	37 <sup>+0</sup> -41 <sup>+6</sup>	678,089	660,948	637,257	625,255	591,565	
		Neonatal deaths N (%)	1499 (28.4)	1322 (26.4)	1203 (25.9)	1131 (25.7)	1112 (27.5)	
		Rate <sup>†</sup>	2.21	2.00	1.89	1.81	1.88	
	≥42	Live births <sup>§</sup>	18,276	16,211	14,307	13,214	12,252	
		Extended perinatal deaths N (%)	28 (0.5)	33 (0.7)	28 (0.6)	14 (0.3)	22 (0.5)	
		Rate <sup>†</sup>	1.53	2.04	1.96	1.06	1.80	
Total births			<b>757,640</b>	<b>738,158</b>	<b>709,812</b>	<b>694,819</b>	<b>654,533</b>	

<sup>§</sup> excluding terminations of pregnancy and births with missing gestational age

<sup>†</sup> per 1,000 total births

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 10: Quarterly birth rates by gestational age at birth: United Kingdom and Crown Dependencies, for births from 2016 to 2020**

Year	Quarter	Rate per 1,000 total births <sup>§</sup>					
		Extremely preterm		Very preterm	Moderate to late preterm	Term	
		22 <sup>+0</sup> -23 <sup>+6</sup>	24 <sup>+0</sup> -27 <sup>+6</sup>	28 <sup>+0</sup> -31 <sup>+6</sup>	32 <sup>+0</sup> -36 <sup>+6</sup>	37 <sup>+0</sup> -41 <sup>+6</sup>	≥42
2016	Jan-Mar	1.31	4.46	9.11	65.9	894.8	24.4
	Apr-Jun	1.36	4.33	8.62	66.8	894.9	24.0
	Jul-Sep	1.33	4.15	8.20	65.0	896.8	24.5
	Oct-Dec	1.46	4.28	9.03	68.2	893.5	23.5
2017	Jan-Mar	1.49	4.34	8.87	67.8	895.6	21.9
	Apr-Jun	1.50	4.72	8.87	69.1	893.8	22.0
	Jul-Sep	1.50	4.09	8.75	66.2	896.9	22.5
	Oct-Dec	1.31	4.01	8.80	69.4	895.2	21.3
2018	Jan-Mar	1.50	4.43	8.50	69.5	895.9	20.1
	Apr-Jun	1.50	4.44	8.82	67.0	898.1	20.2
	Jul-Sep	1.39	4.13	8.30	66.5	898.8	20.8
	Oct-Dec	1.29	4.08	8.55	68.4	898.2	19.5
2019	Jan-Mar	1.69	4.14	8.89	68.3	898.2	18.8
	Apr-Jun	1.43	4.14	8.45	67.4	898.9	19.7
	Jul-Sep	1.23	4.21	8.16	64.8	901.9	19.7
	Oct-Dec	1.58	4.25	8.69	67.3	900.3	17.9
2020	Jan-Mar	1.47	4.18	8.48	65.5	902.8	17.5
	Apr-Jun	1.39	4.22	8.35	63.5	903.5	19.1
	Jul-Sep	1.26	3.64	7.78	63.4	904.7	19.2
	Oct-Dec	1.18	3.89	7.99	63.9	904.0	19.0

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age or missing gestational age  
 Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey  
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## 2. Factors affecting perinatal mortality

### 2.1 Mortality rates and ratios of rates: mothers' characteristics

**Table 11: Stillbirth rates by mother's age by year: United Kingdom and Crown Dependencies, for births in 2016 to 2020**

Mother's age	Stillbirths N (%)				
	Rate†				
	2016	2017	2018	2019	2020
<20	125 (4.1)	120 (4.2)	109 (4.2)	82 (3.4)	69 (3.0)
	5.05	5.31	5.25	4.20	3.99
20-24	539 (17.6)	464 (16.3)	420 (16.3)	362 (15.1)	367 (16.0)
	4.77	4.34	4.24	3.82	4.29
25-29	799 (26.1)	762 (26.8)	631 (24.5)	618 (25.8)	539 (23.5)
	3.74	3.68	3.22	3.26	3.04
30-34	832 (27.1)	788 (27.7)	735 (28.5)	719 (30.0)	723 (31.5)
	3.47	3.34	3.19	3.15	3.29
35-39	560 (18.3)	541 (19.0)	520 (20.2)	476 (19.8)	451 (19.7)
	4.12	3.98	3.88	3.61	3.59
≥40	210 (6.9)	165 (5.8)	163 (6.3)	141 (5.9)	143 (6.2)
	6.61	5.27	5.30	4.45	4.63
Not known	0 (0.0)	0 (0.0)	1 (0.0)	1 (0.0)	0 (0.0)
	0.00	0.00	0.04	0.05	

§ excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

† per 1,000 total births

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 12: Neonatal mortality rates by mother's age by year: United Kingdom and Crown Dependencies, for births in 2016 to 2020**

Mother's age	Neonatal deaths N (%)§				
	Rate†				
	2016	2017	2018	2019	2020
<20	80 (6.0)	67 (5.3)	51 (4.3)	51 (4.4)	33 (3.1)
	3.25	2.98	2.47	2.62	1.92
20-24	226 (16.9)	200 (15.8)	204 (17.0)	177 (15.3)	152 (14.5)
	2.01	1.88	2.07	1.88	1.78
25-29	340 (25.4)	329 (26.0)	315 (26.3)	317 (27.4)	268 (25.5)
	1.60	1.59	1.61	1.68	1.52
30-34	380 (28.4)	365 (28.8)	336 (28.0)	342 (29.5)	327 (31.1)
	1.59	1.55	1.46	1.50	1.49
35-39	226 (16.9)	231 (18.2)	222 (18.5)	206 (17.8)	190 (18.1)
	1.67	1.71	1.66	1.57	1.52
≥40	85 (6.4)	75 (5.9)	71 (5.9)	65 (5.6)	81 (7.7)
	2.69	2.41	2.32	2.06	2.64
Not known	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
	0.00	0.00	0.00	0.00	33 (3.1)

§ excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

† per 1,000 live births

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 13: Ratios of mortality rates for stillbirth by mother's age by year: United Kingdom and Crown Dependencies, for births in 2016 to 2020**

Mother's age	Ratio of mortality rates (95% confidence intervals) <sup>§</sup>				
	Stillbirths				
	2016	2017	2018	2019	2020
<20	1.46 (1.22 to 1.74)	1.59 (1.33 to 1.90)	1.65 (1.36 to 1.99)	1.33 (1.07 to 1.66)	1.21 (0.96 to 1.54)
20-24	1.37 (1.26 to 1.5)	1.30 (1.19 to 1.42)	1.33 (1.21 to 1.46)	1.21 (1.09 to 1.35)	1.30 (1.18 to 1.45)
25-29	1.08 (1.00 to 1.16)	1.10 (1.03 to 1.18)	1.01 (0.93 to 1.09)	1.03 (0.96 to 1.12)	0.92 (0.85 to 1.01)
30-34	Reference	Reference	Reference	Reference	Reference
35-39	1.19 (1.09 to 1.29)	1.19 (1.09 to 1.30)	1.22 (1.11 to 1.33)	1.15 (1.05 to 1.26)	1.09 (0.99 to 1.20)
≥40	1.90 (1.66 to 2.18)	1.58 (1.35 to 1.84)	1.66 (1.42 to 1.94)	1.41 (1.20 to 1.67)	1.41 (1.19 to 1.66)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+</sup> weeks gestational age

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 14: Ratios of mortality rates for neonatal death by mother's age by year: United Kingdom and Crown Dependencies, for births in 2016 to 2020**

Mother's age	Ratio of mortality rates (95% confidence intervals) <sup>§</sup>				
	Neonatal deaths				
	2016	2017	2018	2019	2020
<20	2.04 (1.64 to 2.55)	1.92 (1.51 to 2.45)	1.69 (1.28 to 2.23)	1.75 (1.32 to 2.30)	1.29 (0.91 to 1.82)
20-24	1.26 (1.11 to 1.44)	1.21 (1.05 to 1.40)	1.42 (1.23 to 1.63)	1.25 (1.08 to 1.46)	1.19 (1.02 to 1.40)
25-29	1.08 (1.00 to 1.16)	1.10 (1.03 to 1.18)	1.01 (0.93 to 1.09)	1.03 (0.96 to 1.12)	0.92 (0.85 to 1.01)
30-34	Reference	Reference	Reference	Reference	Reference
35-39	1.05 (0.92 to 1.2)	1.10 (0.97 to 1.26)	1.14 (0.99 to 1.30)	1.05 (0.91 to 1.20)	1.02 (0.88 to 1.18)
≥40	1.69 (1.36 to 2.1)	1.55 (1.24 to 1.95)	1.59 (1.26 to 2.01)	1.37 (1.07 to 1.76)	1.77 (1.42 to 2.21)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+</sup> weeks gestational age

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 15: Stillbirth rates by mother's age and country of residence: United Kingdom, for births in 2018 to 2020**

Mother's age	Stillbirths N <sup>§</sup>				
	Rate <sup>†</sup>				
	(95% CI)				
	UK <sup>^</sup>	England	Scotland	Wales	Northern Ireland
<20	260	210	21	22	6
	4.51	4.37	4.92	6.61	3.36
	(3.96 to 5.13)	(3.77 to 5.03)	(2.98 to 7.65)	(4.05 to 10.17)	(1.17 to 7.51)
20-24	1149	962	84	66	36
	4.11	4.09	4.22	4.30	4.42
	(3.87 to 4.37)	(3.82 to 4.37)	(3.33 to 5.27)	(3.28 to 5.52)	(3.04 to 6.19)
25-29	1788	1540	110	86	51
	3.18	3.23	2.77	3.23	2.93
	(3.03 to 3.34)	(3.06 to 3.40)	(2.26 to 3.37)	(2.56 to 4.03)	(2.15 to 3.89)
30-34	2177	1860	144	96	70
	3.21	3.22	3.00	3.55	2.97
	(3.07 to 3.35)	(3.07 to 3.38)	(2.51 to 3.56)	(2.85 to 4.38)	(2.29 to 3.79)
35-39	1447	1223	119	53	49
	3.70	3.65	4.34	3.85	3.68
	(3.50 to 3.90)	(3.44 to 3.87)	(3.56 to 5.23)	(2.84 to 5.09)	(2.68 to 4.92)
≥40	447	393	26	15	13
	4.79	4.86	4.22	5.08	4.49
	(4.34 to 5.28)	(4.37 to 5.39)	(2.70 to 6.28)	(2.76 to 8.53)	(2.32 to 7.84)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>†</sup> per 1,000 total births

<sup>^</sup> including the Crown Dependencies

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 16: Neonatal mortality rates by mother's age and country of residence: United Kingdom, for births in 2018 to 2020**

Mother's age	Neonatal deaths N <sup>§</sup>				
	Rate <sup>†</sup>				
	(95% CI)				
	UK <sup>^</sup>	England	Scotland	Wales	Northern Ireland
<20	135	104	12	12	7
	2.35	2.17	2.83	3.63	3.93
	(1.96 to 2.81)	(1.76 to 2.65)	(1.41 to 5.04)	(1.82 to 6.47)	(1.51 to 8.31)
20-24	533	439	40	30	23
	1.92	1.87	2.02	1.96	2.83
	(1.75 to 2.09)	(1.69 to 2.06)	(1.42 to 2.78)	(1.30 to 2.84)	(1.76 to 4.32)
25-29	900	764	46	53	37
	1.60	1.61	1.16	2.00	2.13
	(1.50 to 1.72)	(1.49 to 1.73)	(0.84 to 1.57)	(1.48 to 2.65)	(1.47 to 2.97)
30-34	1005	829	72	44	58
	1.49	1.44	1.50	1.63	2.47
	(1.39 to 1.59)	(1.34 to 1.55)	(1.16 to 1.91)	(1.17 to 2.22)	(1.85 to 3.23)
35-39	618	524	40	27	24
	1.59	1.57	1.47	1.97	1.81
	(1.46 to 1.72)	(1.43 to 1.72)	(1.03 to 2.02)	(1.27 to 2.91)	(1.13 to 2.73)
≥40	217	189	4	11	13
	2.34	2.35	0.65	3.74	4.51
	(2.02 to 2.69)	(2.01 to 2.73)	(0.17 to 1.72)	(1.80 to 6.84)	(2.33 to 7.87)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>†</sup> per 1,000 live births

<sup>^</sup> including the Crown Dependencies

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 17: Ratios of mortality rates for stillbirth by mother's age by country of residence: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Mother's age	Ratio of mortality rates (95% confidence intervals) <sup>§</sup>				
	Stillbirths				
	UK <sup>^</sup>	England	Scotland	Wales	Northern Ireland
<20	1.40	1.36	1.64	1.86	1.13
	(1.24 to 1.59)	(1.19 to 1.55)	(1.06 to 2.53)	(1.22 to 2.85)	(0.5 to 2.55)
20-24	1.28	1.27	1.41	1.21	1.49
	(1.21 to 1.36)	(1.19 to 1.35)	(1.13 to 1.75)	(0.94 to 1.56)	(1.06 to 2.09)
25-29	0.99	1.00	0.92	0.91	0.99
	(0.95 to 1.04)	(0.95 to 1.05)	(0.76 to 1.12)	(0.73 to 1.14)	(0.74 to 1.32)
30-34	Reference	Reference	Reference	Reference	Reference
35-39	1.15	1.13	1.45	1.08	1.24
	(1.09 to 1.21)	(1.07 to 1.2)	(1.2 to 1.74)	(0.82 to 1.43)	(0.92 to 1.66)
≥40	1.49	1.51	1.41	1.43	1.51
	(1.36 to 1.64)	(1.37 to 1.67)	(0.95 to 2.08)	(0.85 to 2.4)	(0.87 to 2.64)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>^</sup> including the Crown Dependencies

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 18: Ratios of mortality rates for neonatal death by mother's age by country of residence: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Mother's age	Ratio of mortality rates (95% confidence intervals) <sup>§</sup>				
	Neonatal deaths				
	UK <sup>^</sup>	England	Scotland	Wales	Northern Ireland
<20	1.58	1.51	1.89	2.23	1.59
	(1.33 to 1.87)	(1.24 to 1.83)	(1.06 to 3.37)	(1.24 to 4.01)	(0.75 to 3.39)
20-24	1.29	1.30	1.35	1.20	1.15
	(1.18 to 1.4)	(1.18 to 1.43)	(0.97 to 1.86)	(0.82 to 1.76)	(0.75 to 1.75)
25-29	1.07	1.12	0.77	1.23	0.86
	(1 to 1.15)	(1.04 to 1.2)	(0.57 to 1.05)	(0.92 to 1.64)	(0.61 to 1.21)
30-34	Reference	Reference	Reference	Reference	Reference
35-39	1.07	1.09	0.98	1.21	0.73
	(0.99 to 1.16)	(1 to 1.19)	(0.71 to 1.35)	(0.81 to 1.8)	(0.48 to 1.11)
≥40	1.57	1.63	0.43	2.29	1.83
	(1.37 to 1.8)	(1.41 to 1.88)	(0.16 to 1.17)	(1.24 to 4.23)	(1.04 to 3.2)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>^</sup> including the Crown Dependencies

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 19: Stillbirth rates by socio-economic deprivation quintile of residence by year: United Kingdom and Crown Dependencies, for births in 2016 to 2020**

Socio-economic deprivation quintile*	Stillbirths N (%) <sup>§</sup>				
	Rate <sup>†</sup>				
	2016	2017	2018	2019	2020
1 - Least deprived	456 (14.9)	424 (14.9)	387 (15.0)	330 (13.8)	359 (15.7)
	2.96	2.81	2.61	2.33	2.60
2	546 (17.8)	471 (16.6)	400 (15.5)	387 (16.1)	340 (14.8)
	3.48	3.12	2.77	2.69	2.48
3	608 (19.8)	545 (19.2)	504 (19.5)	478 (19.9)	446 (19.5)
	3.95	3.58	3.41	3.32	3.27
4	671 (21.9)	660 (23.2)	596 (23.1)	528 (22.0)	553 (24.1)
	4.33	4.34	4.09	3.73	4.00
5 - Most deprived	764 (24.9)	733 (25.8)	686 (26.6)	670 (27.9)	590 (25.7)
	4.91	4.84	4.68	4.67	4.29
Not known	20 (0.7)	7 (0.2)	6 (0.2)	6 (0.25)	4 (0.20)
	4.33	2.74	2.40	2.43	1.72

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

\* based on mothers' postcodes at time of birth, using the Children in Low-Income Families Local Measure

<sup>†</sup> per 1,000 total births

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 20: Neonatal mortality rates by mothers' socio-economic deprivation quintile of residence by year: United Kingdom and Crown Dependencies, for births in 2016 to 2020**

Socio-economic deprivation quintile*	Neonatal deaths N (%) <sup>§</sup>				
	Rate <sup>‡</sup>				
	2016	2017	2018	2019	2020
1 - Least deprived	186 (13.9)	199 (15.7)	182 (15.2)	169 (14.6)	145 (13.8)
	1.21	1.32	1.23	1.20	1.05
2	234 (17.5)	212 (16.7)	202 (16.8)	192 (16.6)	181 (17.2)
	1.50	1.41	1.40	1.34	1.33
3	257 (19.2)	230 (18.2)	235 (19.6)	230 (19.9)	195 (18.6)
	1.68	1.52	1.59	1.60	1.43
4	303 (22.7)	310 (24.5)	259 (21.6)	269 (23.2)	256 (24.4)
	1.96	2.05	1.78	1.91	1.86
5 - Most deprived	351 (26.3)	312 (24.6)	320 (26.7)	295 (25.5)	271 (25.8)
	2.27	2.07	2.20	2.07	1.98
Not known	6 (0.4)	4 (0.3)	1 (0.1)	3 (0.3)	3 (0.30)
	1.31	1.57	0.40	1.22	1.29

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>\*</sup> based on mothers' postcodes at time of birth, using the Children in Low-Income Families Local Measure

<sup>‡</sup> per 1,000 live births

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 21: Ratios of mortality rates for stillbirth by mothers' socio-economic deprivation quintile of residence by year: United Kingdom and Crown Dependencies, for births in 2016 to 2020**

Socio-economic deprivation quintile*	Ratio of mortality rates (95% confidence intervals) <sup>§</sup>				
	Stillbirths				
	2016	2017	2018	2019	2020
1 - Least deprived	Reference	Reference	Reference	Reference	Reference
2	1.18	1.11	1.06	1.15	0.95
	(1.08 to 1.28)	(1.01 to 1.22)	(0.96 to 1.17)	(1.04 to 1.28)	(0.86 to 1.06)
3	1.33	1.27	1.31	1.42	1.26
	(1.23 to 1.45)	(1.17 to 1.39)	(1.19 to 1.43)	(1.30 to 1.56)	(1.14 to 1.38)
4	1.46	1.54	1.57	1.60	1.54
	(1.35 to 1.58)	(1.43 to 1.67)	(1.44 to 1.7)	(1.47 to 1.75)	(1.41 to 1.68)
5 - Most deprived	1.66	1.72	1.79	2.00	1.65
	(1.54 to 1.78)	(1.60 to 1.86)	(1.66 to 1.94)	(1.85 to 2.17)	(1.52 to 1.79)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>\*</sup> based on mothers' postcodes at time of birth, using the Children in Low-Income Families Local Measure

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 22: Ratios of mortality rates for neonatal death by mothers' socio-economic deprivation quintile of residence by year: United Kingdom and Crown Dependencies, for births in 2016 to 2020**

Socio-economic deprivation quintile*	Ratio of mortality rates (95% confidence intervals) <sup>§</sup>				
	Neonatal deaths				
	2016	2017	2018	2019	2020
1 - Least deprived	Reference	Reference	Reference	Reference	Reference
2	1.24 (1.08 to 1.42)	1.07 (0.93 to 1.23)	1.14 (0.99 to 1.31)	1.12 (0.96 to 1.29)	1.27 (1.09 to 1.48)
3	1.39 (1.22 to 1.58)	1.15 (1.01 to 1.32)	1.29 (1.13 to 1.48)	1.33 (1.16 to 1.53)	1.36 (1.18 to 1.58)
4	1.62 (1.44 to 1.82)	1.55 (1.38 to 1.74)	1.45 (1.27 to 1.64)	1.59 (1.40 to 1.80)	1.77 (1.56 to 2.02)
5 - Most deprived	1.88 (1.68 to 2.09)	1.57 (1.40 to 1.76)	1.79 (1.59 to 2.01)	1.73 (1.53 to 1.94)	1.89 (1.66 to 2.14)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

\* based on mothers' postcodes at time of birth, using the Children in Low-Income Families Local Measure

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 23: Stillbirth rates by socio-economic deprivation quintile of residence and country of residence: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Socio-economic deprivation quintile*	Stillbirths N <sup>§</sup>				
	Rate <sup>†</sup>				
	(95% CI)				
	UK <sup>^</sup>	England	Scotland	Wales	Northern Ireland
1 - Least deprived	1,076	896	116	34	30
	2.52	2.44	2.77	2.99	4.45
	(2.36 to 2.68)	(2.27 to 2.61)	(2.27 to 3.35)	(2.03 to 4.24)	(2.95 to 6.44)
2	1,127	995	60	50	22
	2.65	2.69	2.27	3.30	1.52
	(2.49 to 2.82)	(2.52 to 2.88)	(1.71 to 2.95)	(2.41 to 4.39)	(0.93 to 2.35)
3	1,428	1,238	86	52	52
	3.34	3.32	3.63	3.00	3.53
	(3.16 to 3.52)	(3.13 to 3.52)	(2.87 to 4.52)	(2.21 to 3.98)	(2.60 to 4.68)
4	1,678	1,443	99	86	50
	3.94	3.93	3.99	4.16	3.99
	(3.75 to 4.14)	(3.72 to 4.14)	(3.21 to 4.90)	(3.29 to 5.18)	(2.92 to 5.32)
5 - Most deprived	1,945	1,616	143	117	69
	4.55	4.60	4.50	4.61	3.75
	(4.34 to 4.77)	(4.37 to 4.84)	(3.76 to 5.34)	(3.78 to 5.56)	(2.88 to 4.79)
Not known	16	1	0	°	2
	2.20	45.45	0.00		6.97
	(1.22 to 3.63)	(0.92 to 237.81)	(0.00 to 8.15)		(0.75 to 25.94)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

\* based on mothers' postcodes at time of birth, using the Children in Low-Income Families Local Measure

<sup>†</sup> per 1,000 total births

<sup>^</sup> including the Crown Dependencies

<sup>°</sup> No births in this group

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 24: Neonatal mortality rates by socio-economic deprivation quintile of residence and country of residence: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Socio-economic deprivation quintile*	Neonatal deaths N <sup>§</sup>				
	Rate <sup>†</sup>				
	(95% CI)				
	UK <sup>^</sup>	England	Scotland	Wales	Northern Ireland
1 - Least deprived	496	428	44	10	14
	1.16	1.17	1.06	0.88	2.09
	(1.06 to 1.27)	(1.05 to 1.29)	(0.75 to 1.43)	(0.41 to 1.66)	(1.11 to 3.57)
2	575	483	33	23	36
	1.36	1.31	1.25	1.52	2.50
	(1.24 to 1.48)	(1.19 to 1.44)	(0.84 to 1.78)	(0.94 to 2.32)	(1.72 to 3.50)
3	660	577	27	25	31
	1.55	1.55	1.14	1.45	2.11
	(1.43 to 1.68)	(1.42 to 1.69)	(0.74 to 1.69)	(0.92 to 2.17)	(1.41 to 3.04)
4	784	662	52	43	27
	1.85	1.81	2.10	2.09	2.16
	(1.72 to 1.99)	(1.67 to 1.96)	(1.55 to 2.79)	(1.49 to 2.85)	(1.40 to 3.20)
5 - Most deprived	886	699	58	76	53
	2.08	2.00	1.83	3.01	2.89
	(1.94 to 2.23)	(1.85 to 2.16)	(1.37 to 2.40)	(2.34 to 3.80)	(2.13 to 3.82)
Not known	7	0	0	°	1
	0.96	0.00	0.00		3.51
	(0.37 to 2.04)	(0.00 to 169.96)	(0.00 to 8.15)		(0.07 to 20.30)

§ excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

\* based on mothers' postcodes at time of birth, using the Children in Low-Income Families Local Measure

† per 1,000 live births

<sup>^</sup> including the Crown Dependencies

° No births in this group

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 25: Ratios of mortality rates for stillbirth by mothers' socio-economic deprivation quintile of residence and country of residence: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Socio-economic deprivation quintile*	Ratio of mortality rates (95% confidence intervals) <sup>§</sup>				
	Stillbirths				
	UK <sup>^</sup>	England	Scotland	Wales	Northern Ireland
1 - Least deprived	Reference	Reference	Reference	Reference	Reference
2	1.05	1.10	0.82	1.10	0.34
	(0.99 to 1.12)	(1.03 to 1.17)	(0.63 to 1.06)	(0.81 to 1.5)	(0.22 to 0.54)
3	1.33	1.36	1.31	1.00	0.79
	(1.26 to 1.4)	(1.29 to 1.44)	(1.05 to 1.63)	(0.74 to 1.36)	(0.59 to 1.08)
4	1.56	1.61	1.44	1.39	0.90
	(1.49 to 1.64)	(1.53 to 1.7)	(1.17 to 1.77)	(1.09 to 1.77)	(0.66 to 1.22)
5 - Most deprived	1.81	1.89	1.62	1.54	0.84
	(1.73 to 1.89)	(1.79 to 1.98)	(1.37 to 1.93)	(1.25 to 1.9)	(0.64 to 1.1)

§ excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

\* based on mothers' postcodes at time of birth, using the Children in Low-Income Families Local Measure

<sup>^</sup> including the Crown Dependencies

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 26: Ratios of mortality rates for neonatal death by mothers' socio-economic deprivation quintile of residence and country of residence: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Socio-economic deprivation quintile*	Ratio of mortality rates (95% confidence intervals) <sup>§</sup>				
	Neonatal deaths				
	UK <sup>^</sup>	England	Scotland	Wales	Northern Ireland
1 - Least deprived	Reference	Reference	Reference	Reference	Reference
2	1.17 (1.08 to 1.27)	1.12 (1.02 to 1.23)	1.18 (0.82 to 1.7)	1.73 (1.04 to 2.87)	1.20 (0.8 to 1.78)
3	1.34 (1.24 to 1.44)	1.32 (1.22 to 1.44)	1.08 (0.72 to 1.6)	1.65 (1.01 to 2.69)	1.01 (0.66 to 1.54)
4	1.59 (1.48 to 1.71)	1.55 (1.43 to 1.67)	1.98 (1.48 to 2.66)	2.38 (1.59 to 3.54)	1.03 (0.66 to 1.62)
5 - Most deprived	1.79 (1.68 to 1.92)	1.71 (1.58 to 1.85)	1.73 (1.31 to 2.28)	3.42 (2.47 to 4.73)	1.38 (0.98 to 1.94)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

\* based on mothers' postcodes at time of birth, using the Children in Low-Income Families Local Measure

<sup>^</sup> including the Crown Dependencies

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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## 2.2 Mothers' demographic, behavioural and pregnancy characteristics of deaths

**Table 27: Stillbirths by mothers' demographic characteristics by year: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Mothers' demographic characteristics	Number (%) <sup>§</sup>					
	Stillbirths					
	2018		2019		2020	
<b>Body Mass Index</b>						
<16.0	2	(0.1)	5	(0.2)	7	(0.3)
16.0 to 18.4	66	(2.6)	53	(2.2)	58	(2.5)
18.5 to 24.9	940	(36.4)	888	(37.0)	843	(36.8)
25.0 to 29.9	697	(27.0)	675	(28.1)	624	(27.2)
30.0 to 34.9	407	(15.8)	351	(14.6)	356	(15.5)
≥35.0	292	(11.3)	265	(11.0)	245	(10.7)
Not known	175	(6.8)	162	(6.8)	159	(6.9)
<b>Previous obstetric history<sup>v</sup></b>						
Never pregnant	918	(35.6)	849	(35.4)	824	(36.0)
Stillbirth or neonatal death	109	(4.2)	93	(3.9)	88	(3.8)
Pre 24 week loss	637	(24.7)	611	(25.5)	584	(25.5)
Surviving child	1,358	(52.7)	1,233	(51.4)	1,175	(51.3)
Not known	1	(0.0)	1	(0.0)	0	(0.0)
<b>Consanguinity</b>						
Unrelated	2,252	(87.3)	2,112	(88.0)	2,054	(89.6)
First cousins or closer	62	(2.4)	47	(2.0)	65	(2.8)
Other relation	40	(1.6)	31	(1.3)	26	(1.1)
Not known	225	(8.7)	209	(8.7)	147	(6.4)
<b>Born in the UK</b>						
Yes	1,705	(66.1)	1,574	(65.6)	1,452	(63.4)
No	682	(26.4)	608	(25.3)	659	(28.8)
Not known	192	(7.4)	217	(9.0)	181	(7.9)
<b>Time resident in the UK<sup>w</sup></b>						
Less than 1 year	75	(2.9)	56	(2.3)	70	(3.1)
More than 1 year	541	(21.0)	487	(20.3)	511	(22.3)
Not known	66	(2.6)	65	(2.7)	78	(3.4)
<b>Support during pregnancy</b>						
Partner, cohabiting	2,121	(82.2)	1,970	(82.1)	1,900	(82.9)
Partner, not cohabiting	194	(7.5)	191	(8.0)	172	(7.5)
Family/friend	193	(7.5)	176	(7.3)	150	(6.5)
None	24	(0.9)	16	(0.7)	24	(1.0)
Not known	47	(1.8)	46	(1.9)	46	(2.0)
<b>Employment status</b>						
Employed or self-employed	1,547	(60.0)	1,446	(60.3)	1,377	(60.1)
Unemployed (looking for work)	281	(10.9)	274	(11.4)	290	(12.7)
Retired	73	(2.8)	58	(2.4)	0	(0.0)
Student	462	(17.9)	394	(16.4)	44	(1.9)
Looking after home/family	16	(0.6)	23	(1.0)	409	(17.8)
Permanently sick/disabled	26	(1.0)	23	(1.0)	12	(0.5)
Other	174	(6.7)	181	(7.5)	17	(0.7)
Not known	0	(0.0)	0	(0.0)	143	(6.2)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>v</sup> multiparous mothers can be included in more than one category

<sup>w</sup> women not born in the UK

Data source: MBRRACE-UK

**Table 28: Neonatal deaths by mothers' demographic characteristics by year: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Mothers' demographic characteristics	Number (%) <sup>§</sup>					
	Neonatal deaths					
	2018		2019		2020	
<b>Body Mass Index</b>						
<16.0	3	(0.3)	32	(2.8)	4	(0.4)
16.0 to 18.4	33	(2.8)	401	(34.6)	19	(1.8)
18.5 to 24.9	428	(35.7)	268	(23.1)	354	(33.7)
25.0 to 29.9	275	(22.9)	171	(14.8)	276	(26.3)
30.0 to 34.9	156	(13.0)	120	(10.4)	140	(13.3)
≥35.0	138	(11.5)	166	(14.3)	125	(11.9)
Not known	166	(13.8)		(0.0)	133	(12.7)
<b>Previous obstetric history<sup>v</sup></b>						
Never pregnant	411	(34.3)	401	(34.6)	338	(32.2)
Stillbirth or neonatal death	60	(5.0)	65	(5.6)	47	(4.5)
Pre 24 week loss	319	(26.6)	294	(25.4)	274	(26.1)
Surviving child	618	(51.5)	613	(52.9)	593	(56.4)
Not known	1	(0.1)	0	(0.0)	2	(0.2)
<b>Consanguinity</b>						
Unrelated	1,025	(85.5)	957	(82.6)	891	(84.8)
First cousins or closer	45	(3.8)	50	(4.3)	46	(4.4)
Other relation	12	(1.0)	19	(1.6)	22	(2.1)
Not known	117	(9.8)	132	(11.4)	92	(8.8)
<b>Born in the UK</b>						
Yes	815	(68.0)	785	(67.8)	695	(66.1)
No	258	(21.5)	221	(19.1)	234	(22.3)
Not known	126	(10.5)	152	(13.1)	122	(11.6)
<b>Time resident in the UK<sup>~</sup></b>						
Less than 1 year	25	(2.1)	16	(1.4)	25	(2.4)
More than 1 year	202	(16.8)	168	(14.5)	171	(16.3)
Not known	31	(2.6)	37	(3.2)	38	(3.6)
<b>Support during pregnancy</b>						
Partner, cohabiting	989	(82.5)	945	(81.6)	864	(82.2)
Partner, not cohabiting	93	(7.8)	90	(7.8)	68	(6.5)
Family/friend	73	(6.1)	66	(5.7)	64	(6.1)
None	9	(0.8)	9	(0.8)	12	(1.1)
Not known	35	(2.9)	48	(4.1)	43	(4.1)
<b>Employment status</b>						
Employed or self-employed	682	(56.9)	637	(55.0)	571	(54.3)
Unemployed (looking for work)	120	(10.0)	105	(9.1)	116	(11.0)
Retired	0	(0.0)	0	(0.0)	0	(0.0)
Student	22	(1.8)	22	(1.9)	30	(2.9)
Looking after home/family	217	(18.1)	193	(16.7)	192	(18.3)
Permanently sick/disabled	5	(0.4)	2	(0.2)	5	(0.5)
Other	12	(1.0)	8	(0.7)	8	(0.8)
Not known	141	(11.8)	191	(16.5)	129	(12.3)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>v</sup> multiparous mothers can be included in more than one category

<sup>~</sup> women not born in the UK

Data source: MBRRACE-UK

**Table 29: Stillbirths by mothers' behavioural characteristics by year: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Mother's behavioural characteristics	Number (%) <sup>§</sup>					
	Stillbirths					
	2018		2019		2020	
<b>Smoking status</b>						
Never smoked	1,560	(60.5)	1,444	(60.2)	1,400	(61.1)
Non-smoker at booking (history unknown)	107	(4.1)	114	(4.8)	92	(4.0)
Gave up before pregnancy	252	(9.8)	192	(8.0)	188	(8.2)
Gave up during pregnancy	109	(4.2)	107	(4.5)	117	(5.1)
Smoker	499	(19.3)	484	(20.2)	434	(18.9)
Not known	52	(2.0)	58	(2.4)	61	(2.7)
<b>Breath carbon monoxide (ppm)</b>						
<4	1,146	(44.4)	1,186	(49.4)	852	(37.2)
≥4	383	(14.9)	414	(17.3)	267	(11.6)
Not known	1,050	(40.7)	799	(33.3)	1,173	(51.2)
<b>Alcohol abuse</b>						
No	2,486	(96.4)	2,311	(96.3)	2,204	(96.2)
Yes	27	(1.0)	28	(1.2)	28	(1.2)
Not known	66	(2.6)	60	(2.5)	60	(2.6)
<b>Substance abuse</b>						
No	2,442	(94.7)	2,248	(93.7)	2,143	(93.5)
Yes	76	(2.9)	90	(3.8)	88	(3.8)
Not known	61	(2.4)	61	(2.5)	61	(2.7)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age  
Data source: MBRRACE-UK

**Table 30: Neonatal deaths by mothers' behavioural characteristics by year: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Mother's behavioural characteristics	Number (%) <sup>§</sup>					
	Neonatal deaths					
	2018		2019		2020	
<b>Smoking status</b>						
Never smoked	707	(59.0)	674	(58.2)	603	(57.4)
Non-smoker at booking (history unknown)	87	(7.3)	69	(6.0)	91	(8.7)
Gave up before pregnancy	91	(7.6)	95	(8.2)	73	(6.9)
Gave up during pregnancy	44	(3.7)	40	(3.5)	46	(4.4)
Smoker	220	(18.3)	213	(18.4)	195	(18.6)
Not known	50	(4.2)	67	(5.8)	43	(4.1)
<b>Breath carbon monoxide (ppm)</b>						
<4	452	(37.7)	532	(45.9)	349	(33.2)
≥4	154	(12.8)	164	(14.2)	101	(9.6)
Not known	593	(49.5)	462	(39.9)	601	(57.2)
<b>Alcohol abuse</b>						
No	1,145	(95.5)	1,105	(95.4)	998	(95.0)
Yes	12	(1.0)	14	(1.2)	16	(1.5)
Not known	42	(3.5)	39	(3.4)	37	(3.5)
<b>Substance abuse</b>						
No	1,107	(92.3)	1,089	(94.0)	984	(93.6)
Yes	44	(3.7)	27	(2.3)	35	(3.3)
Not known	48	(4.0)	42	(3.6)	32	(3.0)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age  
Data source: MBRRACE-UK

**Table 31: Stillbirths by mothers' pregnancy characteristics by year: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Mother's pregnancy characteristics	Number (%) <sup>§</sup>					
	Stillbirths					
	2018		2019		2020	
<b>Booking (weeks gestational age)</b>						
Less than 12 <sup>+0</sup>	1,854	(71.9)	1,686	(70.3)	1,655	(72.2)
12 <sup>+0</sup> to 17 <sup>+6</sup>	410	(15.9)	411	(17.1)	372	(16.2)
18 <sup>+0</sup>	187	(7.3)	177	(7.4)	147	(6.4)
Not known	128	(5.0)	125	(5.2)	118	(5.1)
<b>Documented poor antenatal care attender</b>						
No	2,304	(89.3)	2,153	(89.7)	2,043	(89.1)
Yes	152	(5.9)	128	(5.3)	138	(6.0)
Not known	123	(4.8)	118	(4.9)	111	(4.8)
<b>Assisted conception</b>						
Not assisted	2,411	(93.5)	2,243	(93.5)	2,165	(94.5)
Ovulation induction only	20	(0.8)	8	(0.3)	14	(0.6)
In vitro fertilisation (IVF) <sup>°</sup>	90	(3.5)	85	(3.5)	71	(3.1)
Artificial insemination <sup>□</sup>	7	(0.3)	4	(0.2)	3	(0.1)
Not known	51	(2.0)	59	(2.5)	39	(1.7)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>°</sup> including egg donation and intra-cytoplasmic sperm injection

<sup>□</sup> with or without ovulation induction

Data source: MBRRACE-UK

**Table 32: Neonatal deaths by mothers' pregnancy characteristics by year: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Mother's pregnancy characteristics	Number (%) <sup>§</sup>					
	Neonatal deaths					
	2018		2019		2020	
<b>Booking (weeks gestational age)</b>						
Less than 12 <sup>+0</sup>	787	(65.6)	763	(65.9)	709	(67.5)
12 <sup>+0</sup> to 17 <sup>+6</sup>	196	(16.3)	171	(14.8)	154	(14.7)
18 <sup>+0</sup>	95	(7.9)	84	(7.3)	89	(8.5)
Not known	121	(10.1)	140	(12.1)	99	(9.4)
<b>Documented poor antenatal care attender</b>						
No	994	(82.9)	970	(83.8)	904	(86.0)
Yes	59	(4.9)	52	(4.5)	49	(4.7)
Not known	146	(12.2)	136	(11.7)	98	(9.3)
<b>Assisted conception</b>						
Not assisted	1,045	(87.2)	1,018	(87.9)	938	(89.2)
Ovulation induction only	9	(0.8)	5	(0.4)	11	(1.0)
In vitro fertilisation (IVF) <sup>°</sup>	57	(4.8)	59	(5.1)	46	(4.4)
Artificial insemination <sup>□</sup>	6	(0.5)	4	(0.3)	6	(0.6)
Not known	82	(6.8)	72	(6.2)	50	(4.8)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>°</sup> including egg donation and intra-cytoplasmic sperm injection

<sup>□</sup> with or without ovulation induction

Data source: MBRRACE-UK

## 2.3 Mortality rates and ratios of rates: babies' characteristics

**Table 33: Stillbirth rates by babies' ethnicity by year: United Kingdom and Crown Dependencies, for births in 2016 to 2020**

Baby's ethnicity	Stillbirths N (%) <sup>§</sup>				
	Rate <sup>†</sup>				
	2016	2017	2018	2019	2020
White	2,067 (67.4)	1,911 (67.3)	1,738 (67.4)	1,606 (66.9)	1,486 (64.8)
	3.74	3.59	3.39	3.22	3.17
Mixed	164 (5.4)	184 (6.5)	170 (6.6)	146 (6.1)	160 (7.0)
	4.01	4.56	4.25	3.58	4.09
Asian, Asian British	457 (14.9)	415 (14.6)	370 (14.3)	359 (15.0)	353 (15.4)
	6.09	5.70	5.31	5.05	4.97
Black, Black British	275 (9.0)	239 (8.4)	226 (8.8)	220 (9.2)	186 (8.1)
	8.29	7.46	7.35	7.23	6.41
Other	87 (2.8)	73 (2.6)	64 (2.5)	56 (2.3)	96 (4.2)
	4.14	3.68	3.29	2.95	5.57
Refused/Not Known	15 (0.5)	18 (0.6)	11 (0.4)	12 (0.5)	11 (0.5)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>†</sup> per 1,000 total births

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 34: Neonatal mortality rates by babies' ethnicity by year: United Kingdom and Crown Dependencies, for births in 2016 to 2020**

Baby's ethnicity	Neonatal deaths N (%) <sup>§</sup>				
	Rate <sup>†</sup>				
	2016	2017	2018	2019	2020
White	937 (70.1)	878 (69.3)	843 (70.3)	802 (69.3)	706 (67.2)
	1.70	1.66	1.65	1.62	1.51
Mixed	71 (5.3)	54 (4.3)	62 (5.2)	51 (4.4)	71 (6.8)
	1.74	1.34	1.56	1.25	1.82
Asian, Asian British	211 (15.8)	207 (16.3)	182 (15.2)	182 (15.7)	146 (13.9)
	2.83	2.86	2.63	2.57	2.06
Black, Black British	84 (6.3)	88 (6.9)	73 (6.1)	70 (6.0)	78 (7.4)
	2.55	2.77	2.39	2.32	2.71
Other	29 (2.2)	32 (2.5)	26 (2.2)	37 (3.2)	27 (2.6)
	1.38	1.62	1.34	1.95	1.58
Refused/Not Known	5 (0.4)	8 (0.6)	13 (1.1)	16 (1.4)	23 (2.2)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>†</sup> per 1,000 live births

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 35: Ratios of mortality rates for stillbirth by babies' ethnicity by year: United Kingdom and Crown Dependencies, for births in 2016 to 2020**

Baby's ethnicity	Ratio of mortality rates (95% confidence intervals) <sup>§</sup>				
	Stillbirths				
	2016	2017	2018	2019	2020
White	Reference	Reference	Reference	Reference	Reference
Mixed	1.07 (0.92 to 1.25)	1.27 (1.10 to 1.47)	1.25 (1.08 to 1.46)	1.11 (0.94 to 1.31)	1.29 (1.10 to 1.51)
Asian, Asian British	1.63 (1.48 to 1.78)	1.59 (1.44 to 1.75)	1.57 (1.41 to 1.73)	1.57 (1.41 to 1.74)	1.57 (1.41 to 1.74)
Black, Black British	2.21 (1.97 to 2.49)	2.08 (1.83 to 2.36)	2.17 (1.90 to 2.47)	2.24 (1.96 to 2.56)	2.02 (1.75 to 2.33)
Other	1.10 (0.89 to 1.36)	1.02 (0.81 to 1.29)	0.97 (0.76 to 1.24)	0.91 (0.70 to 1.19)	1.76 (1.44 to 2.14)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 36: Ratios of mortality rates for neonatal death by babies' ethnicity by year: United Kingdom and Crown Dependencies, for births in 2016 to 2020**

Baby's ethnicity	Ratio of mortality rates (95% confidence intervals) <sup>§</sup>				
	Neonatal deaths				
	2016	2017	2018	2019	2020
White	Reference	Reference	Reference	Reference	Reference
Mixed	1.02 (0.81 to 1.29)	0.81 (0.62 to 1.06)	0.94 (0.73 to 1.21)	0.78 (0.59 to 1.02)	1.21 (0.95 to 1.52)
Asian, Asian British	1.66 (1.45 to 1.90)	1.73 (1.50 to 1.98)	1.59 (1.37 to 1.84)	1.59 (1.38 to 1.84)	1.37 (1.16 to 1.61)
Black, Black British	1.50 (1.21 to 1.86)	1.67 (1.35 to 2.06)	1.45 (1.15 to 1.82)	1.43 (1.13 to 1.81)	1.79 (1.43 to 2.24)
Other	0.81 (0.56 to 1.17)	0.98 (0.69 to 1.38)	0.81 (0.55 to 1.19)	1.21 (0.88 to 1.67)	1.04 (0.71 to 1.52)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 37: Stillbirth rates by babies' sex, multiplicity of birth and birthweight by year: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Baby's characteristic	Number (%) <sup>§</sup>						Rate per 1,000 births <sup>§</sup>		
	Stillbirths						Stillbirths <sup>†</sup>		
	2018		2019		2020		2018	2019	2020
<b>Sex</b>									
Male	1,288	(49.9)	1,187	(49.5)	1,162	(50.7)	3.42	3.23	3.30
Female	1,253	(48.6)	1,186	(49.4)	1,094	(47.7)	3.49	3.40	3.25
Not known	38	(1.5)	26	(1.1)	36	(1.6)			
<b>Multiplicity</b>									
1	2,434	(94.4)	2,246	(93.6)	2,140	(93.4)	3.42	3.24	3.21
2	136	(5.3)	144	(6.0)	141	(6.2)	6.07	6.68	7.33
≥3	9	(0.3)	8	(0.3)	11	(0.5)	20.36	15.07	27.43
Not known	0	(0.0)	1	(0.0)	0	(0.0)			
<b>Birthweight (g)</b>									
<1,500	1,155	(44.8)	1,067	(44.5)	958	(41.8)	149.79	143.88	144.08
1,500-2,499	622	(24.1)	528	(22.0)	558	(24.3)	13.95	12.26	13.98
2,500-3,499	615	(23.8)	575	(24.0)	565	(24.7)	1.62	1.55	1.60
3,500-4,499	162	(6.3)	205	(8.5)	181	(7.9)	0.58	0.76	0.68
≥4,500	11	(0.4)	13	(0.5)	16	(0.7)	1.14	1.43	1.78
Not known	14	(0.5)			14	(0.6)			

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>†</sup> per 1,000 total births

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 38: Neonatal mortality rates by babies' sex, multiplicity of birth and birthweight by year: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Baby's characteristic	Number (%) <sup>§</sup>						Rate per 1,000 births <sup>§</sup>		
	Neonatal deaths						Neonatal deaths <sup>†</sup>		
	2017		2018		2019		2017	2018	2019
<b>Sex</b>									
Male	641	(53.5)	646	(55.8)	577	(54.9)	1.71	1.76	1.64
Female	553	(46.1)	505	(43.6)	467	(44.4)	1.55	1.45	1.39
Not known	5	(0.4)	7	(0.6)	7	(0.7)			
<b>Multiplicity</b>									
1	1,053	(87.8)	1,026	(88.6)	924	(87.9)	1.48	1.48	1.39
2	142	(11.8)	128	(11.1)	118	(11.2)	6.38	5.98	6.18
≥3	3	(0.3)	4	(0.3)	9	(0.9)	6.93	7.65	23.08
Not known	1	(0.1)		(0.0)	0	(0.0)			
<b>Birthweight (g)</b>									
<1,500	507	(42.3)	502	(43.4)	406	(38.6)	77.33	79.07	71.34
1,500-2,499	273	(22.8)	243	(21.0)	252	(24.0)	6.21	5.71	6.40
2,500-3,499	313	(26.1)	310	(26.8)	273	(26.0)	0.83	0.84	0.77
3,500-4,499	95	(7.9)	93	(8.0)	107	(10.2)	0.34	0.34	0.40
≥4,500	8	(0.7)	8	(0.7)	7	(0.7)	0.83	0.88	0.78
Not known	3	(0.3)	2	(0.2)	6	(0.6)			

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>†</sup> per 1,000 live births

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 39: Ratios of mortality rates for stillbirth by babies' sex, multiplicity of birth and birthweight by year: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Baby's characteristic	Ratio of mortality rates (RR) <sup>§</sup>		
	Stillbirths		
	2018	2019	2020
<b>Sex</b>			
Male	0.98 (0.92 to 1.03)	0.95 (0.9 to 1.01)	1.02 (0.96 to 1.08)
Female	Reference	Reference	Reference
<b>Multiplicity</b>			
1	Reference	Reference	Reference
2	1.78 (1.5 to 2.1)	2.06 (1.75 to 2.43)	2.29 (1.94 to 2.7)
≥3	5.95 (3.12 to 11.37)	4.65 (2.34 to 9.26)	8.56 (4.78 to 15.33)
<b>Birthweight (g)</b>			
<1,500	259 (244.08 to 274.84)	190.53 (179.36 to 202.39)	210.64 (197.56 to 224.58)
1,500-2,499	24.13 (22.18 to 26.25)	16.23 (14.84 to 17.75)	20.43 (18.71 to 22.31)
2,500-3,499	2.8 (2.57 to 3.05)	2.05 (1.88 to 2.24)	2.34 (2.14 to 2.55)
3,500-4,499	Reference	Reference	Reference
≥4,500	1.97 (1.08 to 3.57)	1.9 (1.1 to 3.28)	2.6 (1.58 to 4.26)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+</sup> weeks gestational age

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 40: Ratios of mortality rates for neonatal death by babies' sex, multiplicity of birth and birthweight by year: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Baby's characteristic	Ratio of mortality rates (RR) <sup>§</sup>		
	Neonatal deaths		
	2018	2019	2020
<b>Sex</b>			
Male	1.10 (1.02 to 1.19)	1.21 (1.12 to 1.31)	1.18 (1.09 to 1.28)
Female	Reference	Reference	Reference
<b>Multiplicity</b>			
1	Reference	Reference	Reference
2	4.30 (3.64 to 5.07)	4.03 (3.39 to 4.79)	4.45 (3.71 to 5.33)
≥3	4.67 (1.51 to 14.43)	5.15 (1.94 to 13.69)	16.62 (8.70 to 31.73)
<b>Birthweight (g)</b>			
<1,500	227.90 (207.42 to 250.39)	230.63 (209.79 to 253.53)	176.30 (159.04 to 195.45)
1,500-2,499	18.30 (16.09 to 20.82)	16.66 (14.54 to 19.08)	15.82 (13.86 to 18.06)
2,500-3,499	2.43 (2.16 to 2.75)	2.44 (2.16 to 2.76)	1.91 (1.68 to 2.18)
3,500-4,499	Reference	Reference	Reference
≥4,500	2.44 (1.21 to 4.93)	2.58 (1.27 to 5.21)	1.93 (0.91 to 4.08)

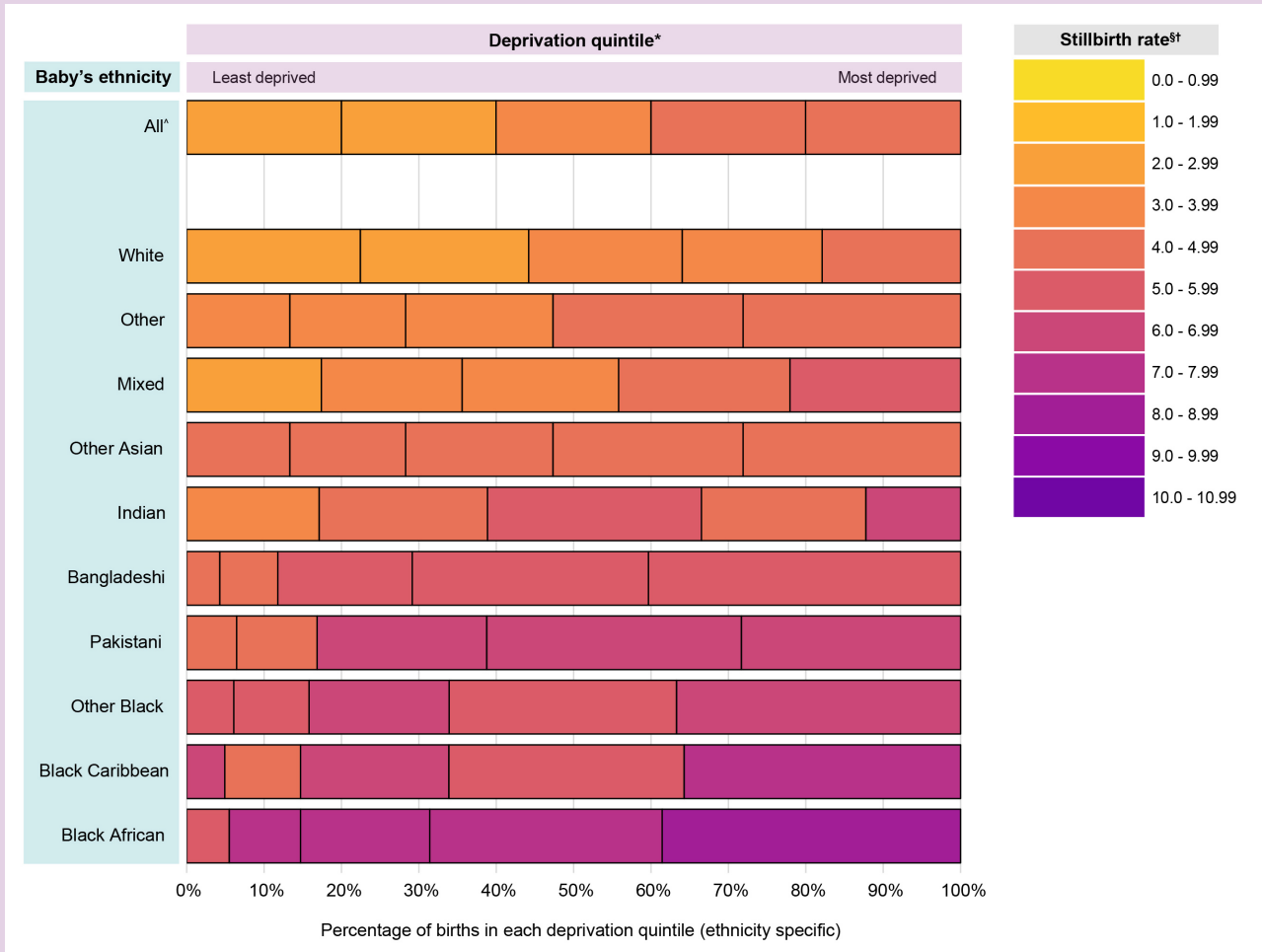
<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+</sup> weeks gestational age

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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## 2.4 Effect of ethnicity and deprivation on perinatal mortality

**Figure 3: Stillbirth rates by babies' ethnicity and mothers' socio-economic deprivation quintile of residence: United Kingdom and Crown Dependencies, for births in 2016 to 2020**



\* based on mothers' postcodes at time of birth, using the Children in Low-Income Families Local Measure

§ excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

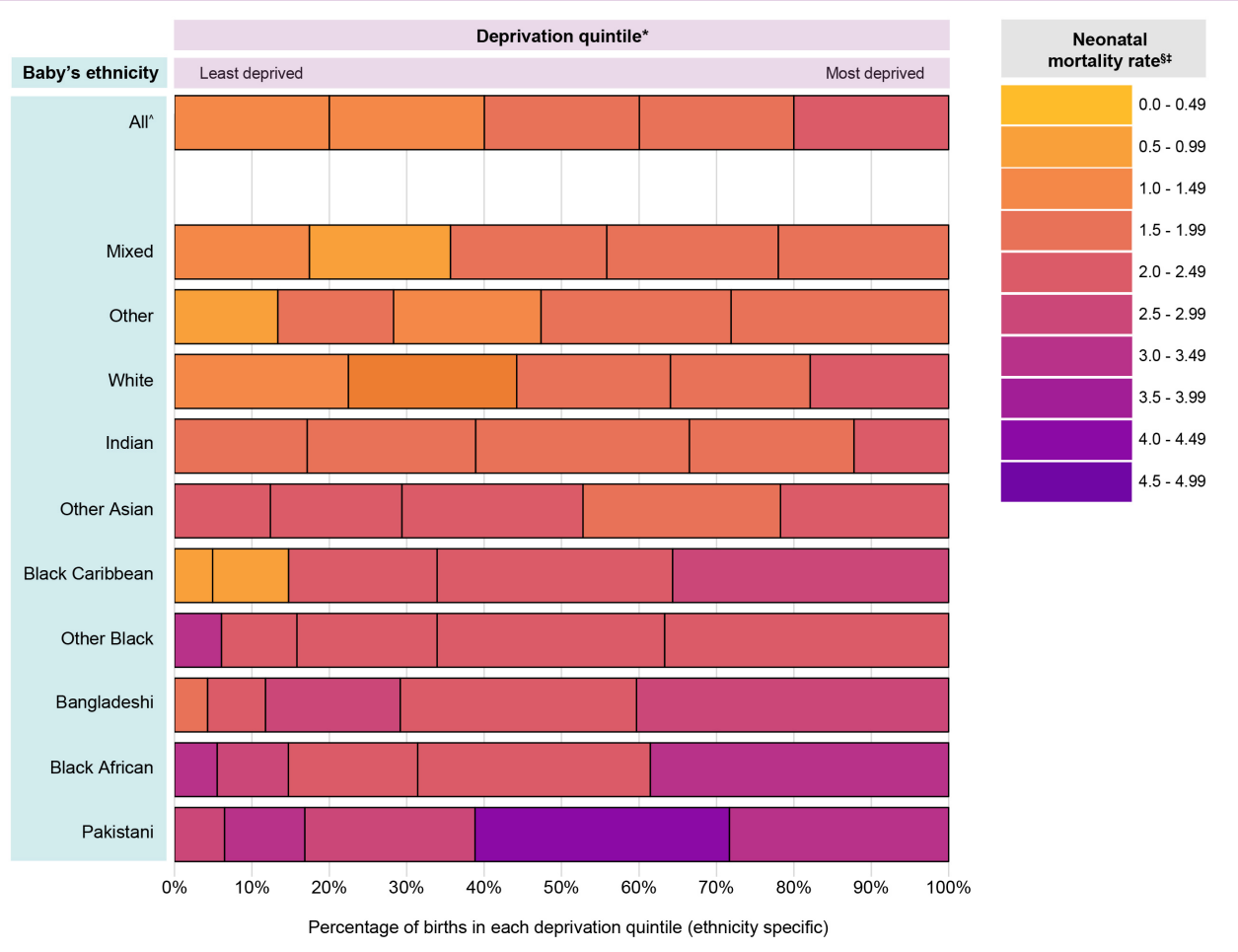
† per 1,000 total births

<sup>^</sup> including missing ethnicity

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Figure 4: Neonatal mortality rates by babies' ethnicity and mothers' socio-economic deprivation quintile of residence: United Kingdom and Crown Dependencies, for births in 2016 to 2020**



\* based on mothers' postcodes at time of birth, using the Children in Low-Income Families Local Measure

§ excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

† per 1,000 live births

<sup>^</sup> including missing ethnicity

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 41: Stillbirth rates by babies' ethnicity and mothers' socio-economic deprivation quintile of residence: United Kingdom and Crown Dependencies, for births in 2016 to 2020**

Baby's ethnicity		Socioeconomic deprivation quintile					
		1-Least deprived	2	3	4	5 - Most deprived	All quintiles
White	Births <sup>§</sup>	573,833	555,885	508,045	461,729	457,540	2,557,032
	Stillbirths	1,596	1,633	1,679	1,771	2,093	8,772
	Rate <sup>†</sup>	2.78	2.94	3.30	3.84	4.57	3.43
Indian	Births <sup>§</sup>	17,937	22,765	28,959	22,272	12,804	104,737
	Stillbirths	60	107	156	110	78	511
	Rate <sup>†</sup>	3.35	4.70	5.39	4.94	6.09	4.88
Pakistani	Births <sup>§</sup>	9,002	14,488	30,652	45,920	39,527	139,589
	Stillbirths	43	70	188	314	252	867
	Rate <sup>†</sup>	4.78	4.83	6.13	6.84	6.38	6.21
Bangladeshi	Births <sup>§</sup>	2,061	3,629	8,403	14,772	19,508	48,373
	Stillbirths	10	16	49	80	116	271
	Rate <sup>†</sup>	4.85	4.41	5.83	5.42	5.95	5.60
Other Asian	Births <sup>§</sup>	8,288	11,357	15,651	17,070	14,535	66,901
	Stillbirths	36	46	75	85	61	303
	Rate <sup>†</sup>	4.34	4.05	4.79	4.98	4.20	4.53
Black Caribbean	Births <sup>§</sup>	1,278	2,551	4,993	7,909	9,298	26,029
	Stillbirths	8	11	30	44	74	167
	Rate <sup>†</sup>	6.26	4.31	6.01	5.56	7.96	6.42
Black African	Births <sup>§</sup>	6,067	10,112	18,406	33,077	42,450	110,112
	Stillbirths	35	79	144	257	344	859
	Rate <sup>†</sup>	5.77	7.81	7.82	7.77	8.10	7.80
Other Black	Births <sup>§</sup>	1,160	1,867	3,466	5,624	7,022	19,139
	Stillbirths	6	11	24	31	47	119
	Rate <sup>†</sup>	5.17	5.89	6.92	5.51	6.69	6.22
Mixed	Births <sup>§</sup>	34,942	36,594	40,565	44,508	44,289	200,898
	Stillbirths	102	117	162	206	235	822
	Rate <sup>†</sup>	2.92	3.20	3.99	4.63	5.31	4.09
Other	Births <sup>§</sup>	12,863	14,409	18,385	23,679	27,097	96,433
	Stillbirths	48	49	70	98	109	374
	Rate <sup>†</sup>	3.73	3.40	3.81	4.14	4.02	3.88
All ethnicities <sup>^</sup>	Births <sup>§</sup>	732,683	733,298	734,069	732,664	734,181	
	Stillbirths	1,956	2,144	2,581	3,009	3,442	
	Rate <sup>†</sup>	2.67	2.92	3.52	4.11	4.69	

\* based on mothers' postcodes at time of birth, using the Children in Low-Income Families Local Measure

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>†</sup> per 1,000 total births

<sup>^</sup> including missing ethnicity (N=297,652)

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 42: Neonatal mortality rates by babies' ethnicity and mothers' socio-economic deprivation quintile of residence: United Kingdom and Crown Dependencies, for births in 2016 to 2020**

Baby's ethnicity		Socioeconomic deprivation quintile					
		1-Least deprived	2	3	4	5 - Most deprived	All quintiles
White	Live births <sup>§</sup>	572,237	554,252	506,366	459,958	455,447	2,548,260
	Neonatal deaths	720	806	798	855	973	4,152
	Rate <sup>‡</sup>	1.26	1.45	1.58	1.86	2.14	1.63
Indian	Live births <sup>§</sup>	17,877	22,658	28,803	22,162	12,726	104,226
	Neonatal deaths	28	37	45	41	30	181
	Rate <sup>‡</sup>	1.57	1.63	1.56	1.85	2.36	1.74
Pakistani	Live births <sup>§</sup>	8,959	14,418	30,464	45,606	39,275	138,722
	Neonatal deaths	23	44	90	189	132	478
	Rate <sup>‡</sup>	2.57	3.05	2.95	4.14	3.36	3.45
Bangladeshi	Live births <sup>§</sup>	2,051	3,613	8,354	14,692	19,392	48,102
	Neonatal deaths	4	9	23	34	56	126
	Rate <sup>‡</sup>	1.95	2.49	2.75	2.31	2.89	2.62
Other Asian	Live births <sup>§</sup>	8,252	11,311	15,576	16,985	14,474	66,598
	Neonatal deaths	17	23	38	30	35	143
	Rate <sup>‡</sup>	2.06	2.03	2.44	1.77	2.42	2.15
Black Caribbean	Live births <sup>§</sup>	1,270	2,540	4,963	7,865	9,224	25,862
	Neonatal deaths	1	2	10	18	26	57
	Rate <sup>‡</sup>	0.79	0.79	2.01	2.29	2.82	2.20
Black African	Live births <sup>§</sup>	6,032	10,033	18,262	32,820	42,106	109,253
	Neonatal deaths	20	27	37	78	130	292
	Rate <sup>‡</sup>	3.32	2.69	2.03	2.38	3.09	2.67
Other Black	Live births <sup>§</sup>	1,154	1,856	3,442	5,593	6,975	19,020
	Neonatal deaths	4	4	8	13	15	44
	Rate <sup>‡</sup>	3.47	2.16	2.32	2.32	2.15	2.31
Mixed	Live births <sup>§</sup>	34,840	36,477	40,403	44,302	44,054	200,076
	Neonatal deaths	42	35	65	78	88	308
	Rate <sup>‡</sup>	1.21	0.96	1.61	1.76	2.00	1.54
Other	Live births <sup>§</sup>	12,815	14,360	18,315	23,581	26,988	96,059
	Neonatal deaths	12	24	24	47	43	150
	Rate <sup>‡</sup>	0.94	1.67	1.31	1.99	1.59	1.56
All ethnicities <sup>^</sup>	Live births <sup>§</sup>	730,727	731,154	731,488	729,655	730,739	
	Neonatal deaths	881	1,021	1,147	1,397	1,549	
	Rate <sup>‡</sup>	1.21	1.40	1.57	1.91	2.12	

\* based on mothers' postcodes at time of birth, using the Children in Low-Income Families Local Measure

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>‡</sup> per 1,000 live births

<sup>^</sup> including missing ethnicity (N=297,585)

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## 2.5 Effect of twin pregnancy on perinatal mortality

**Table 43: Number of births and stillbirths in singleton and twin pregnancies: United Kingdom\*, for births in 2016 to 2020**

Region		Number <sup>§</sup>				
		2016	2017	2018	2019	2020
England	Singleton births	643,362	627,471	607,091	592,510	569,202
	Singleton deaths	2,476	2,254	2,095	1,916	1,811
	Twin births	20,289	19,978	18,725	18,130	16,443
	Twin deaths	128	138	112	123	121
Scotland	Singleton births	51,963	50,585	48,942	47,212	44,908
	Singleton deaths	195	198	156	146	171
	Twin births	1,530	1,463	1,436	1,405	1,364
	Twin deaths	7	9	11	15	7
Wales	Singleton births	31,124	30,572	29,776	28,391	26,969
	Singleton deaths	137	111	108	107	91
	Twin births	947	778	897	810	728
	Twin deaths	8	6	5	3	4
Northern Ireland <sup>°</sup>	Singleton births	23,573	22,783	22,234	21,962	20,990
	Singleton deaths	94	97	71	72	66
	Twin births	699	647	765	639	629
	Twin deaths	2	11	8	3	8
UK	Singleton births	750,022	731,411	708,043	690,075	662,069
	Singleton deaths	2,902	2,660	2,430	2,241	2,139
	Twin births	23,465	22,866	21,823	20,984	19,164
	Twin deaths	145	164	136	144	140

\* Numbers for the Crown Dependencies have been suppressed due to small numbers

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>°</sup> New legislation on termination of pregnancy in Northern Ireland (Abortion (Northern Ireland) Regulations 2020) became law on 31<sup>st</sup> March 2020

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 44: Number of births and neonatal deaths in singleton and twin pregnancies: United Kingdom\*, for births in 2016 to 2020**

Region		Number <sup>§</sup>				
		2016	2017	2018	2019	2020
England	Singleton births	640,886	625,217	604,996	590,594	567,391
	Singleton deaths	1,036	965	903	843	787
	Twin births	20,161	19,840	18,613	18,007	16,322
	Twin deaths	110	113	120	110	96
Scotland	Singleton births	51,768	50,387	48,786	47,066	44,737
	Singleton deaths	79	70	61	65	59
	Twin births	1,523	1,454	1,425	1,390	1,357
	Twin deaths	12	10	9	8	10
Wales	Singleton births	30,987	30,461	29,668	28,284	26,878
	Singleton deaths	31	47	49	56	35
	Twin births	939	772	892	807	724
	Twin deaths	1	3	7	6	1
Northern Ireland <sup>°</sup>	Singleton births	23,479	22,686	22,163	21,890	20,924
	Singleton deaths	54	47	40	59	40
	Twin births	697	636	757	636	621
	Twin deaths	1	1	6	4	11
UK	Singleton births	747,120	728,751	705,613	687,834	659,930
	Singleton deaths	1,200	1,129	1,053	1,023	921
	Twin births	23,320	22,702	21,687	20,840	19,024
	Twin deaths	124	127	142	128	118

\* Numbers for the Crown Dependencies have been suppressed due to small numbers

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>°</sup> New legislation on termination of pregnancy in Northern Ireland (Abortion (Northern Ireland) Regulations 2020) became law on 31<sup>st</sup> March 2020

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 45: Stillbirth rates in singleton and twin pregnancies: United Kingdom\*, for births in 2016 to 2020**

Region		Stillbirth rate <sup>§†</sup>				
		2016	2017	2018	2019	2020
England	Singleton	3.85	3.59	3.45	3.23	3.18
	Twin	6.31	6.91	5.98	6.78	7.36
	Difference in rate	2.46	3.32	2.53	3.55	4.18
	(95% CI)	(1.33 to 3.59)	(2.13 to 4.50)	(1.39 to 3.67)	(2.32 to 4.78)	(2.83 to 5.52)
Scotland	Singleton	3.75	3.91	3.19	3.09	3.81
	Twin	4.58	6.15	7.66	10.68	5.13
	Difference in rate	0.82	2.24	4.47	7.58	1.32
	(95% CI)	(-2.94 to 4.58)	(-2.16 to 6.63)	(-0.42 to 9.37)	(1.82 to 13.35)	(-2.89 to 5.54)
Wales	Singleton	4.40	3.63	3.63	3.77	3.37
	Twin	8.45	7.71	5.57	3.70	5.49
	Difference in rate	4.05	4.08	1.95	-0.07	2.12
	(95% CI)	(-2.37 to 10.47)	(-2.76 to 10.92)	(-3.55 to 7.44)	(-4.94 to 4.81)	(-4.00 to 8.24)
Northern Ireland <sup>°</sup>	Singleton	3.99	4.26	3.19	3.28	3.14
	Twin	2.86	17.00	10.46	4.69	12.72
	Difference in rate	-1.13	12.74	7.26	1.42	9.57
	(95% CI)	(-5.90 to 3.65)	(1.95 to 23.54)	(-0.66 to 15.19)	(-4.74 to 7.58)	(-0.03 to 19.18)
UK	Singleton	3.87	3.64	3.43	3.25	3.23
	Twin	6.18	7.17	6.23	6.86	7.31
	Difference in rate	2.31	3.54	2.80	3.61	4.07
	(95% CI)	(1.28 to 3.34)	(2.41 to 4.66)	(1.72 to 3.88)	(2.47 to 4.76)	(2.83 to 5.31)

\* Rates for the Crown Dependencies have been suppressed due to small numbers

§ excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

† per 1,000 total births

° New legislation on termination of pregnancy in Northern Ireland (Abortion (Northern Ireland) Regulations 2020) became law on 31<sup>st</sup> March 2020

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 46: Neonatal mortality rates in singleton and twin pregnancies: United Kingdom\*, for births in 2016 to 2020**

Region		Neonatal mortality rate <sup>§†</sup>				
		2016	2017	2018	2019	2020
England	Singleton	1.62	1.54	1.49	1.43	1.39
	Twin	5.46	5.70	6.45	6.11	5.88
	Difference in rate	3.84	4.15	4.95	4.68	4.49
	(95% CI)	(2.79 to 4.89)	(3.07 to 5.23)	(3.77 to 6.14)	(3.51 to 5.85)	(3.29 to 5.70)
Scotland	Singleton	1.53	1.39	1.25	1.38	1.32
	Twin	7.88	6.88	6.32	5.76	7.37
	Difference in rate	6.35	5.49	5.07	4.37	6.05
	(95% CI)	(1.56 to 11.14)	(0.87 to 10.10)	(0.58 to 9.55)	(0.01 to 8.74)	(1.11 to 10.99)
Wales	Singleton	1.00	1.54	1.65	1.98	1.30
	Twin	1.06	3.89	7.85	7.43	1.38
	Difference in rate	0.06	2.34	6.20	5.46	0.08
	(95% CI)	(-2.60 to 2.73)	(-2.73 to 7.42)	(-0.19 to 12.58)	(-1.13 to 12.04)	(-3.37 to 3.53)
Northern Ireland <sup>°</sup>	Singleton	2.30	2.07	1.80	2.70	1.91
	Twin	1.43	1.57	7.93	6.29	17.71
	Difference in rate	-0.87	-0.50	6.12	3.59	15.80
	(95% CI)	(-4.48 to 2.75)	(-4.44 to 3.44)	(-0.90 to 13.15)	(-3.40 to 10.59)	(4.58 to 27.02)
UK	Singleton	1.61	1.55	1.49	1.49	1.40
	Twin	5.32	5.59	6.55	6.14	6.20
	Difference in rate	3.71	4.04	5.06	4.65	4.81
	(95% CI)	(2.75 to 4.67)	(3.05 to 5.04)	(3.95 to 6.16)	(3.57 to 5.74)	(3.66 to 5.95)

\* Rates for the Crown Dependencies have been suppressed due to small numbers

§ excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

† per 1,000 live births

° New legislation on termination of pregnancy in Northern Ireland (Abortion (Northern Ireland) Regulations 2020) became law on 31<sup>st</sup> March 2020

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 47: Stillbirth rates in singleton and twin pregnancies by mother's and baby's characteristics: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Characteristic	Singleton				Twin			Stillbirth rate <sup>†</sup>			
	Births <sup>§</sup>	Stillbirths <sup>§</sup>		Births <sup>§</sup>	Stillbirths <sup>§</sup>		Singleton	Twin	Difference in rate	(95% CI)	
		N	%		N	%					
<b>Maternal age</b>											
<20	56,770	252	(3.7)	816	8	(1.9)	4.44	9.80	5.36	(-2.04 to 12.77)	
20-24	273,976	1,099	(16.1)	5,427	45	(10.7)	4.01	8.29	4.28	(1.76 to 6.80)	
25-29	548,179	1,695	(24.9)	14,202	90	(21.4)	3.09	6.34	3.25	(1.90 to 4.59)	
30-34	657,432	2,032	(29.8)	20,655	135	(32.1)	3.09	6.54	3.45	(2.31 to 4.58)	
35-39	376,237	1,336	(19.6)	14,826	106	(25.2)	3.55	7.15	3.60	(2.19 to 5.00)	
≥40	88,167	405	(5.9)	4,858	37	(8.8)	4.59	7.62	3.02	(0.43 to 5.62)	
Not known	72,192	1	(0.0)	2,410	0	(0.0)					
<b>Deprivation</b>											
1 - Least deprived	413,206	1,001	(14.7)	13,250	71	(16.9)	2.42	5.36	2.94	(1.64 to 4.23)	
2	411,582	1,046	(15.3)	12,811	77	(18.3)	2.54	6.01	3.47	(2.08 to 4.86)	
3	415,194	1,348	(19.8)	12,152	74	(17.6)	3.25	6.09	2.84	(1.41 to 4.28)	
4	412,787	1,560	(22.9)	11,890	110	(26.1)	3.78	9.25	5.47	(3.70 to 7.25)	
5 - Most deprived	414,294	1,852	(27.2)	11,874	87	(20.7)	4.47	7.33	2.86	(1.27 to 4.45)	
Not known	5,890	13	(0.2)	1,217	2	(0.5)					
<b>Baby's sex</b>											
Male	1,062,695	3,433	(50.3)	31,564	190	(45.1)	3.23	6.02	2.79	(1.91 to 3.67)	
Female	1,010,066	3,309	(48.5)	31,564	211	(50.1)	3.28	6.68	3.41	(2.49 to 4.33)	
Not known	192	78	(1.1)	66	20	(4.8)					
<b>Baby's ethnicity</b>											
White	1,434,988	4,520	(66.3)	43,076	296	(70.3)	3.15	6.87	3.72	(2.92 to 4.52)	
Mixed	116,389	437	(6.4)	3,387	37	(8.8)	3.75	10.92	7.17	(3.50 to 10.84)	
Asian, Asian British	206,512	1,036	(15.2)	5,176	44	(10.5)	5.02	8.50	3.48	(0.87 to 6.10)	
Black, Black British	86,501	595	(8.7)	3,462	28	(6.7)	6.88	8.09	1.21	(-1.97 to 4.39)	
Other	54,204	203	(3.0)	1,424	12	(2.9)	3.75	8.43	4.68	(-0.45 to 9.82)	
Refused/Not Known	174,359	29	(0.4)	6,669	4	(1.0)	0.17	0.60	0.43	(-0.24 to 1.10)	
<b>Gestational age at birth (weeks)</b>											
24 <sup>+0</sup> -27 <sup>+6</sup>	6,946	1,669	(24.5)	1,555	106	(25.2)	240.28	68.17	-172.11	(-188.57 to -155.66)	
28 <sup>+0</sup> -31 <sup>+6</sup>	13,028	1,158	(17.0)	3,946	104	(24.7)	88.89	26.36	-62.53	(-69.68 to -55.37)	
32 <sup>+0</sup> -36 <sup>+6</sup>	105,134	1,771	(26.0)	30,739	160	(38.0)	16.85	5.21	-11.64	(-12.78 to -10.50)	
37 <sup>+0</sup> -41 <sup>+6</sup>	1,829,674	2,178	(31.9)	24,325	51	(12.1)	1.19	2.10	0.91	(0.31 to 1.50)	
≥42 <sup>+0</sup>	39,753	36	(0.5)	18	0	(0.0)	0.91	0.00	-0.91	(-28.99 to 27.18)	
Not known	78,418	8	(0.1)	2,611	0	(0.0)					
<b>Birthweight (g)</b>											
<1,500	16,496	2,844	(41.7)	4,842	312	(74.1)	172.41	64.44	-107.97	(-117.11 to -98.83)	
1,500-2,499	98,804	1,635	(24.0)	28,157	71	(16.9)	16.55	2.52	-14.03	(-15.04 to -13.02)	
2,500-3,499	1,078,449	1,743	(25.6)	25,284	12	(2.9)	1.62	0.47	-1.14	(-1.44 to -0.84)	
3,500-4,499	815,225	547	(8.0)	920	1	(0.2)	0.67	1.09	0.42	(-2.26 to 3.09)	
≥4,500	27,714	40	(0.6)	25	0	(0.0)	1.44	0.00	-1.44	(-21.91 to 19.02)	
Not known	36,265	11	(0.2)	3,966	25	(5.9)					

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>†</sup> per 1,000 total births

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**Table 48: Neonatal mortality rates in singleton and twin pregnancies by mother's and baby's characteristics: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Characteristic	Singleton				Twin			Neonatal mortality rate <sup>‡</sup>			
	Births <sup>§</sup>	Neonatal deaths <sup>§</sup>		Births <sup>§</sup>	Neonatal deaths <sup>§</sup>		Singleton	Twin	Difference in rate	(95% CI)	
		N	%		N	%					
<b>Maternal age</b>											
<20	56,518	125	(4.2)	808	9	(2.3)	2.21	11.14	8.93	(1.05 to 16.80)	
20-24	272,877	484	(16.1)	5,382	48	(12.4)	1.77	8.92	7.14	(4.53 to 9.76)	
25-29	546,484	795	(26.5)	14,112	104	(26.8)	1.45	7.37	5.91	(4.46 to 7.37)	
30-34	655,400	879	(29.3)	20,520	121	(31.2)	1.34	5.90	4.56	(3.48 to 5.63)	
35-39	374,901	541	(18.0)	14,720	74	(19.1)	1.44	5.03	3.58	(2.40 to 4.77)	
≥40	87,762	179	(6.0)	4,821	32	(8.3)	2.04	6.64	4.60	(2.18 to 7.02)	
Not known	72,191	0	(0.0)	2,410	0	(0.0)					
<b>Deprivation</b>											
1 - Least deprived	412,205	422	(14.1)	13,179	71	(18.3)	1.02	5.39	4.36	(3.07 to 5.66)	
2	410,536	499	(16.6)	12,734	75	(19.3)	1.22	5.89	4.67	(3.30 to 6.05)	
3	413,846	595	(19.8)	12,078	63	(16.2)	1.44	5.22	3.78	(2.45 to 5.11)	
4	411,227	692	(23.0)	11,780	86	(22.2)	1.68	7.30	5.62	(4.03 to 7.20)	
5 - Most deprived	412,442	788	(26.2)	11,787	93	(24.0)	1.91	7.89	5.98	(4.33 to 7.63)	
Not known	5,877	7	(0.2)	1,215	0	(0.0)					
<b>Baby's sex</b>											
Male	1,059,262	1,636	(54.5)	31,374	222	(57.2)	1.54	7.08	5.53	(4.58 to 6.48)	
Female	1,006,757	1,352	(45.0)	31,353	162	(41.8)	1.34	5.17	3.82	(3.01 to 4.64)	
Not known	114	15	(0.5)	46	4	(1.0)					
<b>Baby's ethnicity</b>											
White	1,430,468	2,051	(68.3)	42,780	287	(74.0)	1.43	6.71	5.27	(4.49 to 6.06)	
Mixed	115,952	165	(5.5)	3,350	19	(4.9)	1.42	5.67	4.25	(1.54 to 6.95)	
Asian, Asian British	205,476	476	(15.9)	5,132	34	(8.8)	2.32	6.63	4.31	(1.98 to 6.64)	
Black, Black British	85,906	189	(6.3)	3,434	28	(7.2)	2.20	8.15	5.95	(2.78 to 9.13)	
Other	54,001	76	(2.5)	1,412	14	(3.6)	1.41	9.92	8.51	(2.97 to 14.05)	
Refused/Not Known	174,330	46	(1.5)	6,665	6	(1.6)	0.26	0.90	0.64	(-0.17 to 1.44)	
<b>Gestational age at birth (weeks)</b>											
24 <sup>+0</sup> -27 <sup>+6</sup>	5,277	763	(25.4)	1,449	201	(51.8)	144.59	138.72	-5.87	(-26.48 to 14.74)	
28 <sup>+0</sup> -31 <sup>+6</sup>	11,870	401	(13.4)	3,842	73	(18.8)	33.78	19.00	-14.78	(-20.36 to -9.21)	
32 <sup>+0</sup> -36 <sup>+6</sup>	103,363	618	(20.6)	30,579	85	(21.9)	5.98	2.78	-3.20	(-3.97 to -2.42)	
37 <sup>+0</sup> -41 <sup>+6</sup>	1,827,496	1,187	(39.5)	24,274	29	(7.5)	0.65	1.19	0.55	(0.09 to 1.00)	
≥42 <sup>+0</sup>	39,717	28	(0.9)	18	0	(0.0)	0.70	0.00	-0.70	(-28.76 to 27.35)	
Not known	78,410	6	(0.2)	2,611	0	(0.0)					
<b>Birthweight (g)</b>											
<1,500	13,652	1,116	(37.2)	4,530	282	(72.7)	81.75	62.25	-19.49	(-28.05 to -10.94)	
1,500-2,499	97,169	685	(22.8)	28,086	83	(21.4)	7.05	2.96	-4.09	(-4.94 to -3.25)	
2,500-3,499	1,076,706	874	(29.1)	25,272	22	(5.7)	0.81	0.87	0.06	(-0.33 to 0.45)	
3,500-4,499	814,678	295	(9.8)	919	0	(0.0)	0.36	0.00	-0.36	(-0.95 to 0.22)	
≥4,500	27,674	23	(0.8)	25	0	(0.0)	0.83	0.00	-0.83	(-21.19 to 19.53)	
Not known	36,254	10	(0.3)	3,941	1	(0.3)					

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>‡</sup> per 1,000 live births

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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## 2.6 Mothers' demographic, behavioural and pregnancy characteristics of deaths: twin pregnancies

**Table 49: Stillbirths by mothers' demographic characteristics by year – singleton and twin pregnancies: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Mothers' demographic characteristics	Singleton		Twin	
	Stillbirths <sup>§</sup> (%)		Stillbirths <sup>§</sup> (%)	
<b>Body Mass Index</b>				
<16.0	14	(0.2)	0	(0.0)
16.0 to 18.4	172	(2.5)	5	(1.2)
18.5 to 24.9	2,513	(36.9)	144	(34.2)
25.0 to 29.9	1,857	(27.2)	130	(30.9)
30.0 to 34.9	1,040	(15.3)	71	(16.9)
≥35.0	758	(11.1)	43	(10.2)
Not known	466	(6.8)	28	(6.7)
<b>Previous obstetric history<sup>v</sup></b>				
Never pregnant	2,412	(35.4)	176	(41.8)
Stillbirth or neonatal death	277	(4.1)	9	(2.1)
Pre 24 week loss	1,725	(25.3)	98	(23.3)
Surviving child	3,558	(52.2)	193	(45.8)
Not known	1	(0.0)	0	(0.0)
<b>Consanguinity</b>				
Unrelated	6,015	(88.2)	378	(89.8)
First cousins or closer	169	(2.5)	5	(1.2)
Other relation	91	(1.3)	6	(1.4)
Not known	545	(8.0)	32	(7.6)
<b>Born in the UK</b>				
Yes	4,436	(65.0)	278	(66.0)
No	1,833	(26.9)	109	(25.9)
Not known	551	(8.1)	34	(8.1)
<b>Time resident in the UK<sup>w</sup></b>				
Less than 1 year	199	(10.9)	2	(1.8)
More than 1 year	1,438	(78.5)	94	(86.2)
Not known	196	(10.7)	13	(11.9)
<b>Support during pregnancy</b>				
Partner, cohabiting	5,597	(82.1)	373	(88.6)
Partner, not cohabiting	526	(7.7)	30	(7.1)
Family/friend	500	(7.3)	15	(3.6)
None	63	(0.9)	1	(0.2)
Not known				
<b>Employment status</b>				
Employed or self-employed	4,050	(59.4)	299	(71.0)
Unemployed (looking for work)	814	(11.9)	30	(7.1)
Retired	0	(0.0)	0	(0.0)
Student	167	(2.5)	8	(1.9)
Looking after home/family	1,210	(17.7)	53	(12.6)
Permanently sick/disabled	51	(0.8)	0	(0.0)
Other	65	(1.0)	1	(0.2)
Not known	463	(6.8)	30	(7.1)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+</sup> weeks gestational age

<sup>v</sup> multiparous mothers can be included in more than one category

<sup>w</sup> women not born in the UK

Data source: MBRRACE-UK

**Table 50: Neonatal deaths by mothers' demographic characteristics by year – singleton and twin pregnancies: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Mothers' demographic characteristics	Singleton		Twin	
	Neonatal deaths <sup>§</sup> (%)		Neonatal deaths <sup>§</sup> (%)	
<b>Body Mass Index</b>				
<16.0	7	(0.2)	0	(0.0)
16.0 to 18.4	70	(2.3)	13	(3.4)
18.5 to 24.9	1,057	(35.2)	121	(31.2)
25.0 to 29.9	714	(23.8)	101	(26.0)
30.0 to 34.9	407	(13.6)	56	(14.4)
≥35.0	341	(11.4)	41	(10.6)
Not known	407	(13.6)	56	(14.4)
<b>Previous obstetric history<sup>v</sup></b>				
Never pregnant	1,013	(33.7)	133	(34.3)
Stillbirth or neonatal death	157	(5.2)	15	(3.9)
Pre 24 week loss	779	(25.9)	103	(26.5)
Surviving child	1,616	(53.8)	198	(51.0)
Not known	2	(0.1)	1	(0.3)
<b>Consanguinity</b>				
Unrelated	2,516	(83.8)	344	(88.7)
First cousins or closer	131	(4.4)	10	(2.6)
Other relation	50	(1.7)	3	(0.8)
Not known	306	(10.2)	31	(8.0)
<b>Born in the UK</b>				
Yes	2,000	(66.6)	283	(72.9)
No	655	(21.8)	57	(14.7)
Not known	348	(11.6)	48	(12.4)
<b>Time resident in the UK<sup>w</sup></b>				
Less than 1 year	63	(9.6)	3	(5.3)
More than 1 year	492	(75.1)	49	(86.0)
Not known	100	(15.3)	5	(8.8)
<b>Support during pregnancy</b>				
Partner, cohabiting	2,457	(81.8)	327	(84.3)
Partner, not cohabiting	223	(7.4)	27	(7.0)
Family/friend	183	(6.1)	20	(5.2)
None	29	(1.0)	1	(0.3)
Not known	111	(3.7)	13	(3.4)
<b>Employment status</b>				
Employed or self-employed	1,642	(54.7)	239	(61.6)
Unemployed (looking for work)	307	(10.2)	32	(8.3)
Retired	0	(0.0)	0	(0.0)
Student	66	(2.2)	8	(2.1)
Looking after home/family	544	(18.1)	53	(13.7)
Permanently sick/disabled	12	(0.4)	0	(0.0)
Other	26	(0.9)	2	(0.5)
Not known	406	(13.5)	54	(13.9)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+</sup> weeks gestational age

<sup>v</sup> multiparous mothers can be included in more than one category

<sup>w</sup> women not born in the UK

Data source: MBRRACE-UK

**Table 51: Stillbirths by mothers' behavioural and pregnancy characteristics by year – singleton and twin pregnancies: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Mothers' behavioural and pregnancy characteristics	Singleton		Twin	
	Stillbirths <sup>§</sup>	(%)	Stillbirths <sup>§</sup>	(%)
<b>Smoking status</b>				
Never smoked	4,089	(60.0)	293	(69.6)
Non-smoker at booking (history unknown)	284	(4.2)	28	(6.7)
Gave up before pregnancy	597	(8.8)	32	(7.6)
Gave up during pregnancy	312	(4.6)	21	(5.0)
Smoker	1,374	(20.2)	42	(10.0)
Not known	164	(2.4)	5	(1.2)
<b>Breath carbon monoxide (ppm)</b>				
<4	2,968	(43.5)	201	(47.7)
≥4	1,033	(15.2)	30	(7.1)
Unknown	2,819	(41.3)	190	(45.1)
<b>Alcohol abuse</b>				
No	6,562	(96.2)	413	(98.1)
Yes	82	(1.2)	0	(0.0)
Not known	176	(2.6)	8	(1.9)
<b>Substance abuse</b>				
No	6,404	(93.9)	403	(95.7)
Yes	242	(3.6)	11	(2.6)
Not known	174	(2.6)	7	(1.7)
<b>Booking (weeks gestational age)</b>				
Less than 12 <sup>+0</sup>	4,860	(71.3)	316	(75.1)
12 <sup>+0</sup> to 17 <sup>+6</sup>	1,114	(16.3)	71	(16.9)
18 <sup>+0</sup>	485	(7.1)	25	(5.9)
Not known	361	(5.3)	9	(2.1)
<b>Documented poor antenatal care attender</b>				
No	6,073	(89.1)	402	(95.5)
Yes	406	(6.0)	11	(2.6)
Not known	341	(5.0)	8	(1.9)
<b>Assisted conception</b>				
Not assisted	6,465	(94.8)	333	(79.1)
Ovulation induction only	33	(0.5)	8	(1.9)
In vitro fertilisation (IVF) <sup>°</sup>	173	(2.5)	68	(16.2)
Artificial insemination <sup>□</sup>	12	(0.2)	2	(0.5)
Not known	137	(2.0)	10	(2.4)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>°</sup> including egg donation and intra-cytoplasmic sperm injection

<sup>□</sup> with or without ovulation induction

Data source: MBRRACE-UK



**Table 52: Neonatal deaths by mothers' behavioural and pregnancy characteristics by year – singleton and twin pregnancies: United Kingdom and Crown Dependencies, for births in 2018 to 2020**

Mothers' behavioural and pregnancy characteristics	Singleton		Twin	
	Neonatal deaths <sup>§</sup> (%)		Neonatal deaths <sup>§</sup> (%)	
<b>Smoking status</b>				
Never smoked	1,745	(58.1)	230	(59.3)
Non-smoker at booking (history unknown)	213	(7.1)	33	(8.5)
Gave up before pregnancy	224	(7.5)	33	(8.5)
Gave up during pregnancy	117	(3.9)	12	(3.1)
Smoker	562	(18.7)	62	(16.0)
Not known	142	(4.7)	18	(4.6)
<b>Breath carbon monoxide (ppm)</b>				
<4	1,166	(38.8)	160	(41.2)
≥4	377	(12.6)	40	(10.3)
Unknown	1,460	(48.6)	188	(48.5)
<b>Alcohol abuse</b>				
No	2,857	(95.1)	375	(96.7)
Yes	38	(1.3)	3	(0.8)
Not known	108	(3.6)	10	(2.6)
<b>Substance abuse</b>				
No	2,795	(93.1)	370	(95.4)
Yes	94	(3.1)	10	(2.6)
Not known	114	(3.8)	8	(2.1)
<b>Booking (weeks gestational age)</b>				
Less than 12 <sup>+0</sup>	1,980	(65.9)	268	(69.1)
12 <sup>+0</sup> to 17 <sup>+6</sup>	459	(15.3)	60	(15.5)
18 <sup>+0</sup>	247	(8.2)	19	(4.9)
Not known	317	(10.6)	41	(10.6)
<b>Documented poor antenatal care attender</b>				
No	2,514	(83.7)	339	(87.4)
Yes	147	(4.9)	11	(2.8)
Not known	342	(11.4)	38	(9.8)
<b>Assisted conception</b>				
Not assisted	2,693	(89.7)	299	(77.1)
Ovulation induction only	17	(0.6)	8	(2.1)
In vitro fertilisation (IVF) <sup>°</sup>	106	(3.5)	49	(12.6)
Artificial insemination <sup>□</sup>	14	(0.5)	2	(0.5)
Not known	173	(5.8)	30	(7.7)

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>°</sup> including egg donation and intra-cytoplasmic sperm injection

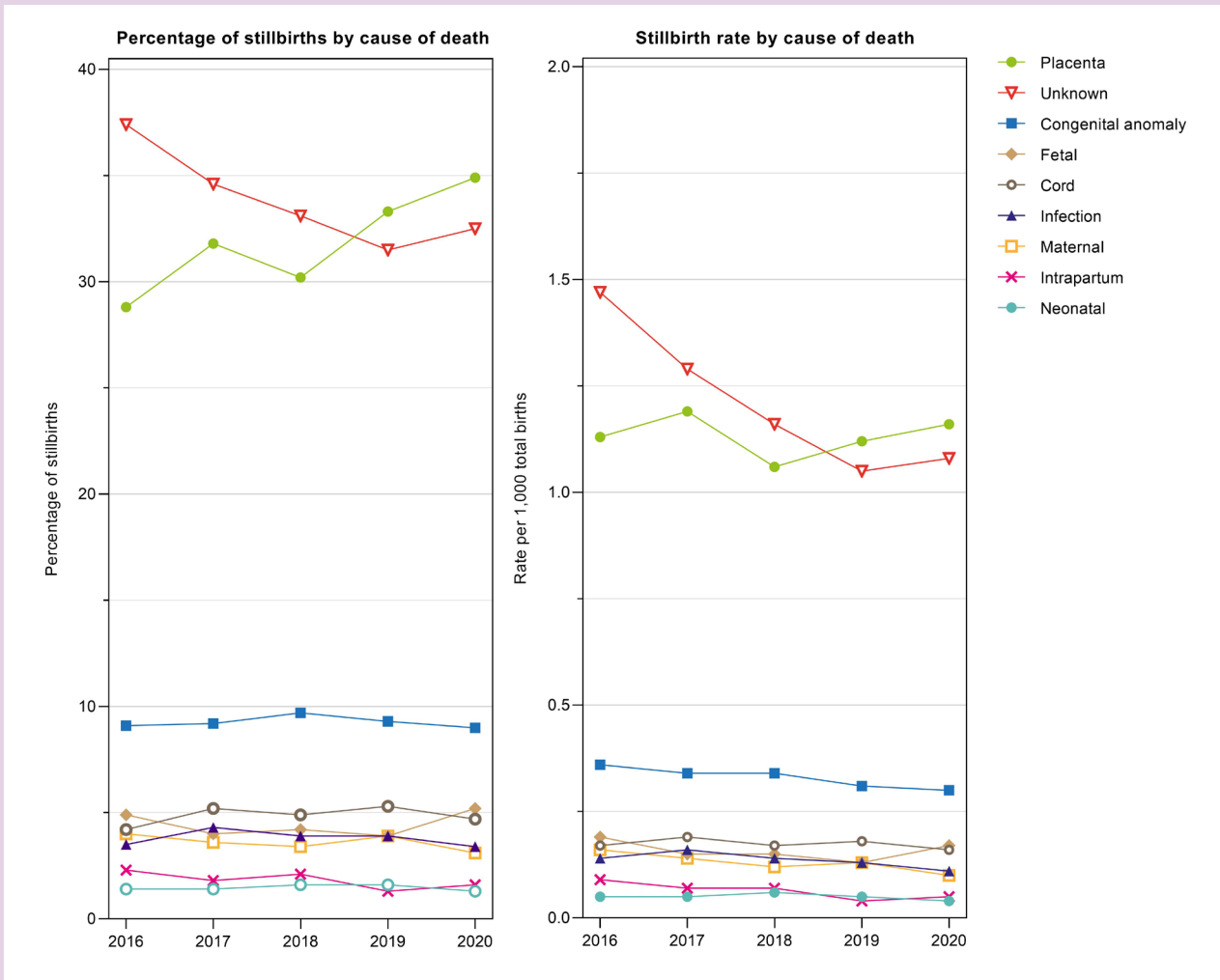
<sup>□</sup> with or without ovulation induction

Data source: MBRRACE-UK

### 3. Causes of death

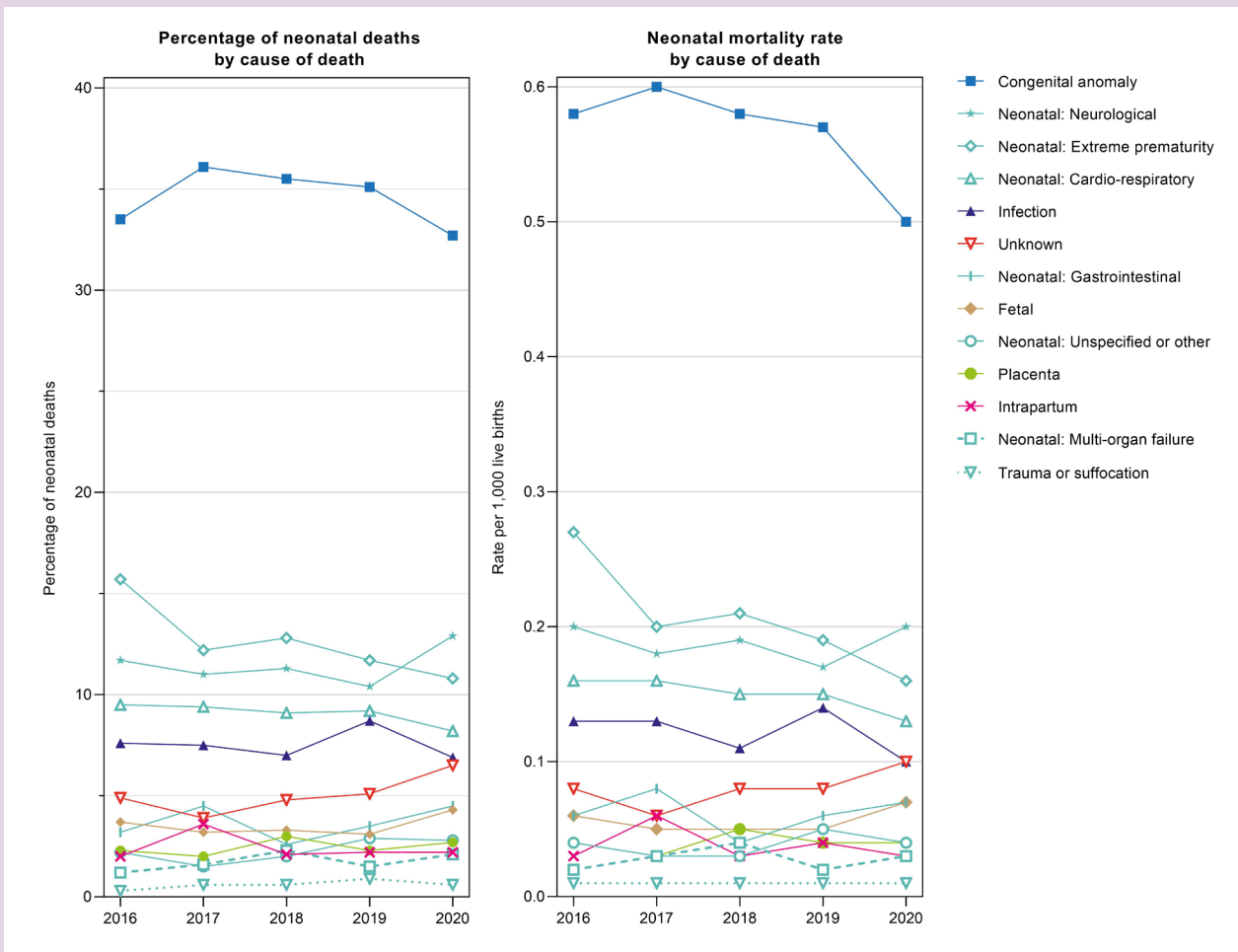
#### 3.1 Reported causes of death

Figure 5: Stillbirths by CODAC level 1 cause of death: United Kingdom and Crown Dependencies, for births in 2016 to 2020



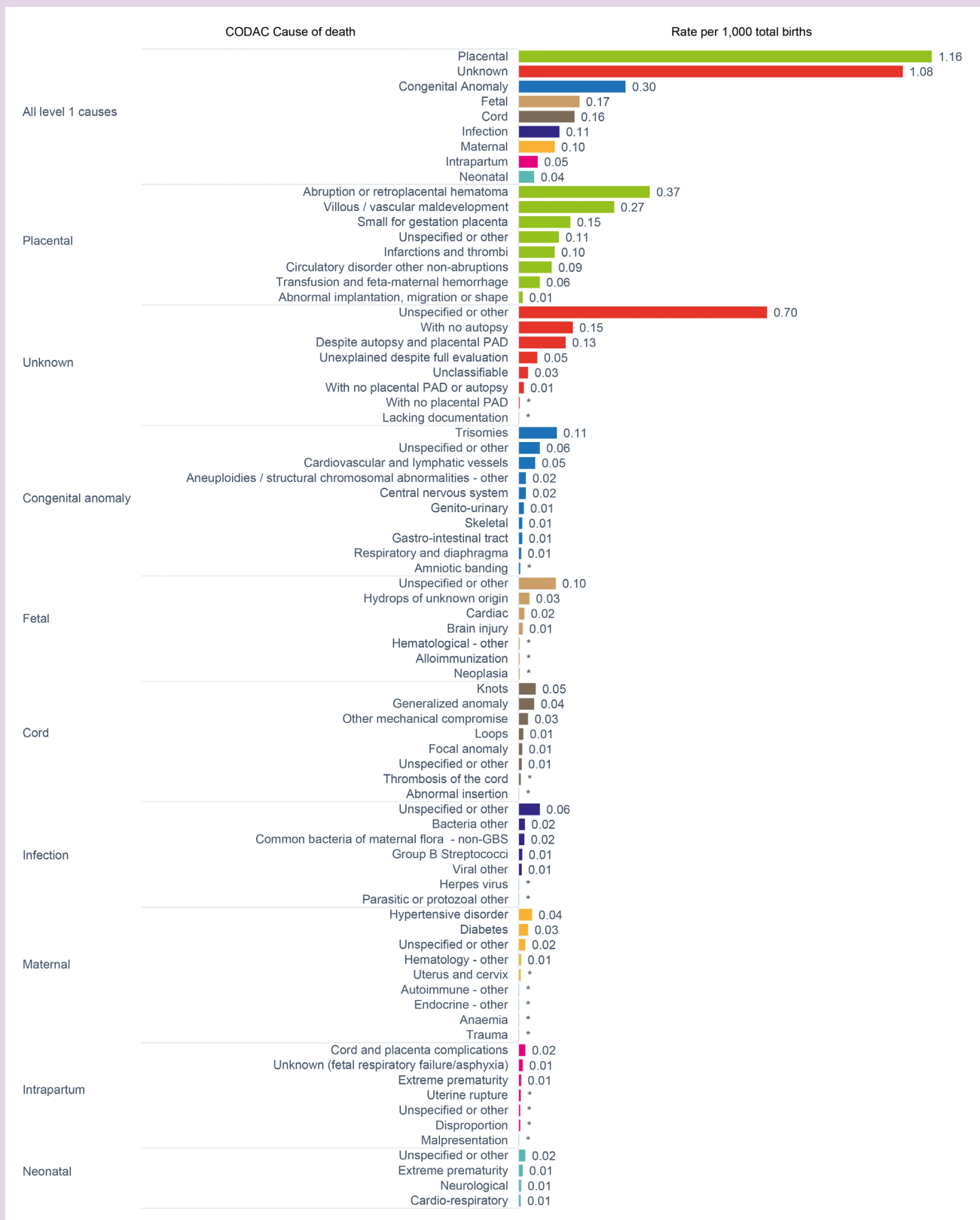
Excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age  
 Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey  
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**Figure 6: Neonatal deaths by CODAC level 1 and CODAC level 2 “Neonatal” cause of death: United Kingdom and Crown Dependencies, for births in 2016 to 2020**



Excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age  
 Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey  
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**Figure 7: Stillbirth rates by CODAC level 2 cause of death: United Kingdom and Crown Dependencies, for births in 2020**



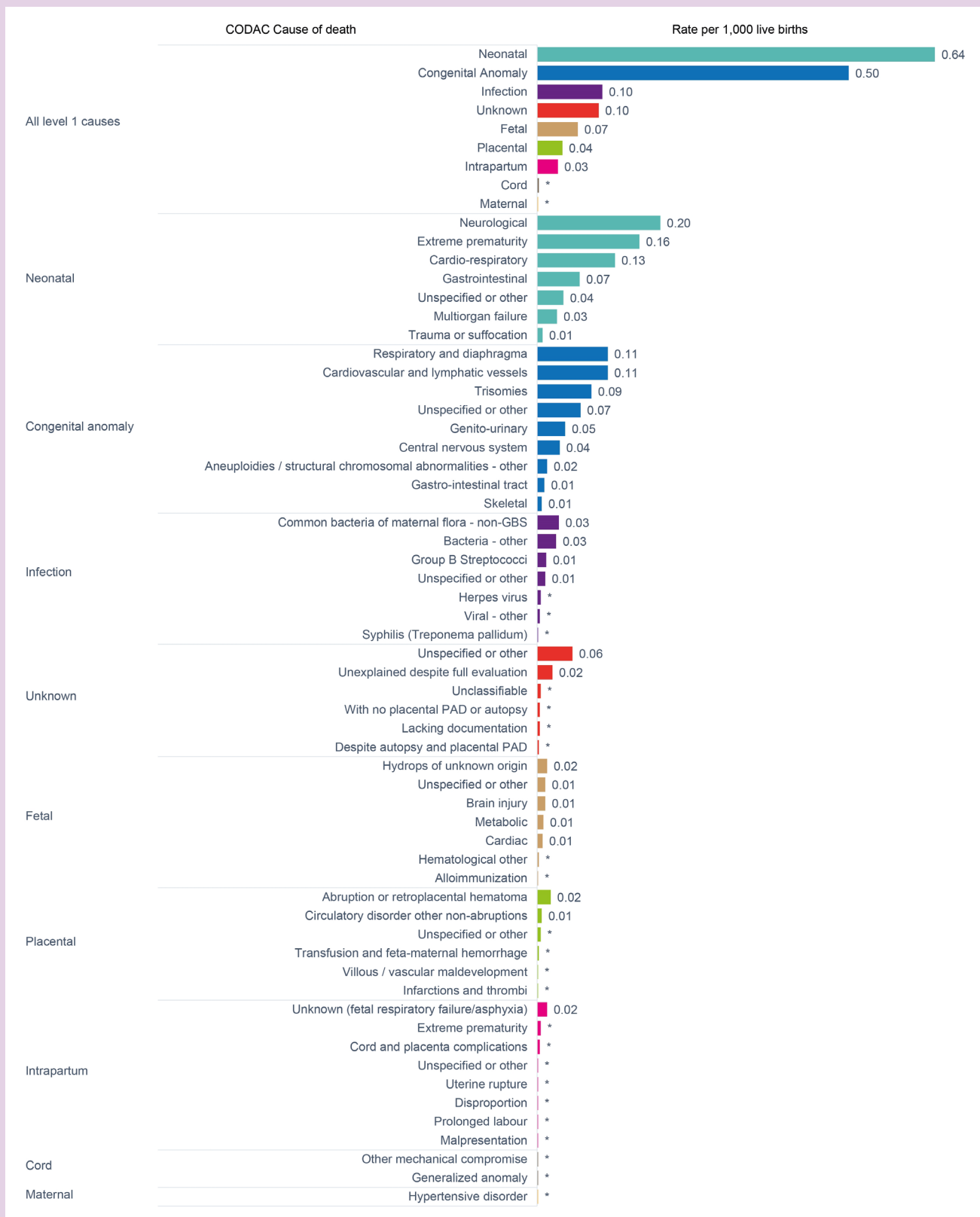
Excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age.

\* Rate suppressed due to small numbers.

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey.

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**Figure 8: Neonatal mortality rates by CODAC level 2 cause of death: United Kingdom and Crown Dependencies, for births in 2020**



Excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age.

\* Rate suppressed due to small numbers.

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey.

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**Table 53: Stillbirth rates by CODAC level 1 cause of death: United Kingdom and Crown Dependencies, for births in 2016 to 2020**

CODAC cause of death: level 1	Stillbirths N (%)				
	Rate <sup>†</sup>				
	2016	2017	2018	2019	2020
Infection	108 (3.5)	121 (4.3)	101 (3.9)	94 (3.9)	79 (3.4)
	0.14	0.16	0.14	0.13	0.11
Neonatal	42 (1.4)	41 (1.4)	42 (1.6)	39 (1.6)	30 (1.3)
	0.05	0.05	0.06	0.05	0.04
Intrapartum	71 (2.3)	51 (1.8)	53 (2.1)	30 (1.3)	37 (1.6)
	0.09	0.07	0.07	0.04	0.05
Congenital anomaly	280 (9.1)	262 (9.2)	249 (9.7)	223 (9.3)	207 (9.0)
	0.36	0.34	0.34	0.31	0.30
Fetal	149 (4.9)	113 (4.0)	109 (4.2)	93 (3.9)	118 (5.1)
	0.19	0.15	0.15	0.13	0.17
Cord	130 (4.2)	148 (5.2)	127 (4.9)	128 (5.3)	108 (4.7)
	0.17	0.19	0.17	0.18	0.16
Placenta	882 (28.8)	904 (31.8)	780 (30.2)	800 (33.3)	800 (34.9)
	1.13	1.19	1.06	1.12	1.16
Maternal	122 (4.0)	103 (3.6)	88 (3.4)	94 (3.9)	70 (3.1)
	0.16	0.14	0.12	0.13	0.10
Unknown	1145 (37.4)	982 (34.6)	853 (35.1)	756 (31.5)	745 (32.5)
	1.47	1.29	1.16	1.05	1.08
Missing	136 (4.4)	115 (4)	177 (6.9)	142 (5.9)	98 (4.3)
	0.17	0.15	0.24	0.2	0.14

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>†</sup> per 1,000 total births

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 54: Neonatal mortality rates by CODAC level 1 and level 2 cause of death: United Kingdom and Crown Dependencies, for births in 2016 to 2020**

CODAC cause of death: level 1 and level 2 (neonatal)	Neonatal deaths N (%) <sup>§</sup>				
	Rate <sup>‡</sup>				
	2016	2017	2018	2019	2020
Infection	101 (7.6) 0.13	95 (7.5) 0.13	84 (7.0) 0.11	101 (8.7) 0.14	72 (6.9) 0.10
Neonatal	586 (43.8) 0.75	517 (40.8) 0.68	491 (41) 0.67	467 (40.3) 0.65	439 (41.8) 0.64
Extreme prematurity	210 (15.7) 0.27	155 (12.2) 0.20	154 (12.8) 0.21	136 (11.7) 0.19	113 (10.8) 0.16
Neurological	157 (11.7) 0.20	139 (11) 0.18	136 (11.3) 0.19	121 (10.4) 0.17	136 (12.9) 0.20
Cardio-respiratory	127 (9.5) 0.16	119 (9.4) 0.16	109 (9.1) 0.15	107 (9.2) 0.15	86 (8.2) 0.13
Gastrointestinal	43 (3.2) 0.06	57 (4.5) 0.08	31 (2.6) 0.04	41 (3.5) 0.06	47 (4.5) 0.07
Multi-organ failure	16 (1.2) 0.02	20 (1.6) 0.03	28 (2.3) 0.04	17 (1.5) 0.02	22 (2.1) 0.03
Trauma or suffocation	4 (0.3) 0.01	7 (0.6) 0.01	7 (0.6) 0.01	10 (0.9) 0.01	6 (0.6) 0.01
Inadequate care	0 (0.0) 0.00	1 (0.1) 0.00	2 (0.2) 0.00	1 (0.1) 0.00	0 (0.0) 0.00
Unspecified or other	29 (2.2) 0.04	19 (1.5) 0.03	24 (2.0) 0.03	34 (2.9) 0.05	29 (2.8) 0.04
Intrapartum	27 (2.0) 0.03	46 (3.6) 0.06	25 (2.1) 0.03	26 (2.2) 0.04	23 (2.2) 0.03
Congenital anomaly	448 (33.5) 0.58	458 (36.1) 0.6	426 (35.5) 0.58	407 (35.1) 0.57	344 (32.7) 0.50
Fetal	49 (3.7) 0.06	40 (3.2) 0.05	40 (3.3) 0.05	36 (3.1) 0.05	45 (4.3) 0.07
Cord	2 (0.1) 0	1 (0.1) 0	3 (0.3) 0	4 (0.3) 0.01	2 (0.2) 0.00
Placenta	31 (2.3) 0.04	25 (2.0) 0.03	36 (3.0) 0.05	27 (2.3) 0.04	28 (2.7) 0.04
Maternal	5 (0.4) 0.01	4 (0.3) 0.01	5 (0.4) 0.01	8 (0.7) 0.01	1 (0.1) 0.00
Unknown	65 (4.9) 0.08	49 (3.9) 0.06	58 (4.8) 0.08	59 (5.1) 0.08	68 (6.5) 0.10
Missing	23 (1.7) 0.03	32 (2.5) 0.04	31 (2.6) 0.04	23 (2.0) 0.03	29 (2.8) 0.04

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>‡</sup> per 1,000 live births

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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**Table 55: Stillbirths and neonatal deaths by CODAC level 1 and level 2 cause of death: United Kingdom and Crown Dependencies, for births in 2020**

CODAC Cause of death		Stillbirths <sup>§</sup>	Neonatal deaths <sup>§</sup>
Level 1	Level 2		
Infection	Unspecified or other	41	9
	Parasitic or protozoal other	*	0
	Syphilis ( <i>Treponema pallidum</i> )	0	*
	Group B Streptococci	7	10
	Common bacteria of maternal flora - non-GBS	11	24
	Bacteria other	12	21
	Herpes virus	*	4
	Viral other	6	3
Neonatal	Unspecified or other	13	29
	Extreme prematurity	8	113
	Neurological	5	136
	Cardio-respiratory	4	86
	Gastrointestinal	0	47
	Multiorgan failure	0	22
	Trauma or suffocation	0	6
	Unspecified or other	3	*
Intrapartum	Uterine rupture	4	*
	Cord and placenta complications	13	3
	Malpresentation	*	*
	Disproportion	3	*
	Prolonged labour	0	*
	Extreme prematurity	5	4
	Unknown (fetal respiratory failure/asphyxia)	8	11
	Unspecified or other	41	48
Congenital anomaly	Central nervous system	14	25
	Cardiovascular and lymphatic vessels	32	78
	Genito-urinary	10	31
	Skeletal	7	5
	Respiratory and diaphragm	5	78
	Gastro-intestinal tract	7	8
	Trisomies	74	60
	Aneuploidies / structural chromosomal abnormalities - other	14	11
	Amniotic banding	3	0
	Unspecified or other	72	9
Fetal	Brain injury	8	9
	Cardiac	11	6
	Alloimmunization	*	*
	Haematological - other	*	*
	Metabolic	0	7
	Neoplasia	*	0
	Hydrops of unknown origin	21	11
	Unspecified or other	6	0
Cord	Knots	33	0
	Loops	9	0
	Abnormal insertion	*	0
	Focal anomaly	7	0
	Generalized anomaly	30	*
	Other mechanical compromise	18	*
	Thrombosis of the cord	4	0



CODAC Cause of death		Stillbirths <sup>§</sup>	Neonatal deaths <sup>§</sup>
Level 1	Level 2		
Placental	Unspecified or other	78	4
	Abnormal implantation, migration or shape	8	0
	Villous / vascular maldevelopment	185	*
	Abruption or retroplacental hematoma	254	15
	Infarctions and thrombi	70	*
	Circulatory disorder other non-abruptions	64	5
	Transfusion and feta-maternal haemorrhage	41	*
	Small for gestation placenta	100	0
Maternal	Unspecified or other	13	0
	Hypertensive disorder	26	*
	Uterus and cervix	4	0
	Diabetes	18	0
	Endocrine other	*	0
	Anaemia	*	0
	Haematology - other	5	0
	Autoimmune - other	*	0
Trauma	*	0	
Unknown	Unspecified or other	481	39
	With no placental PAD or autopsy	10	3
	With no placental PAD	*	0
	With no autopsy	105	0
	Lacking documentation	*	3
	Despite autopsy and placental PAD	91	*
	Unexplained despite full evaluation	36	17
Unclassifiable	18	4	

<sup>§</sup> excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age.

\* suppressed due to small numbers.

Data source: MBRRACE-UK

### 3.2 Post-mortem examination

**Table 56: Number and percentage of post-mortems offered and consented to by type of death (stillbirth, neonatal death, extended perinatal death): United Kingdom and Crown Dependencies, for births in 2020**

Post-mortem status*	Stillbirths <sup>§</sup>		Neonatal deaths <sup>§</sup>		Extended perinatal deaths <sup>§</sup>	
	Number	(%)	Number	(%)	Number	(%)
Not offered	28	(1.2)	42	(4.0)	70	(2.1)
Not known if offered	16	(0.7)	74	(7.0)	90	(2.7)
Offered but no consent	1043	(45.5)	568	(54.0)	1611	(48.2)
Offered but unknown consent	17	(0.7)	25	(2.4)	42	(1.3)
Offered and limited consent	130	(5.7)	29	(2.8)	159	(4.8)
Offered and full consent	1055	(46.0)	278	(26.5)	1333	(39.9)
Not offered but discussed with / accepted by coroner or procurator fiscal	3	(0.1)	35	(3.3)	38	(1.1)

<sup>§</sup> Excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age  
Data source: MBRRACE-UK

**Table 57: Number and percentage of placental histology examinations by type of death (stillbirths and neonatal deaths): United Kingdom and Crown Dependencies, for births in 2020**

Placental histology status	Stillbirths <sup>§</sup>		Neonatal deaths <sup>§†</sup>	
	Number	(%)	Number	(%)
With placental histology	2166	(94.5)	213	(78.0)
Without placental histology	126	(5.5)	60	(22.0)

<sup>§</sup> Excluding terminations of pregnancy and births <24<sup>+0</sup> weeks gestational age

<sup>†</sup> Neonatal deaths on day 1 of life or with an intrapartum cause of death

Data source: MBRRACE-UK

## 4. Population characteristics

### 4.1 Population characteristics by Clinical Commissioning Group (England), Health Board (Scotland and Wales), Local Commissioning Group (Northern Ireland), and Crown Dependency

The shading in Table 50 represents the quintiles of all commissioning organisations:

- 5<sup>th</sup> quintile: highest 20% of commissioning organisations;
- 4<sup>th</sup> quintile
- 3<sup>rd</sup> quintile
- 2<sup>nd</sup> quintile
- 1<sup>st</sup> quintile: lowest 20% of commissioning organisations.

Example: 0.7% of mothers giving birth in Barnsley CCG are Asian or Asian British, which places this CCG in the 1<sup>st</sup> quintile or lowest 20% of commissioning organisations for this population characteristic.

**Table 58: Proportion of mothers giving birth in population characteristic groups by Clinical Commissioning Group (England), Health Board (Scotland and Wales), Local Commissioning Group (Northern Ireland), and Crown Dependencies, for births in 2020**

Clinical Commissioning Group	Asian or Asian British <sup>§</sup>	Black or Black British <sup>§</sup>	Mother's age <20 years <sup>§</sup>	Mother's age >39 years <sup>§</sup>	Top quintile of child poverty <sup>§</sup>	Multiple birth <sup>§</sup>	Born at 24 to 31 weeks <sup>§</sup>
<b>ENGLAND</b>							
Barnsley	0.7	0.7	5.2	3.1	31.5	2.7	1.3
Basildon and Brentwood	4.1	3.5	2.4	3.8	14.2	2.9	0.9
Bassetlaw	1.5	0.3	3.3	2.2	13.4	3.3	0.7
Bath and North East Somerset, Swindon and Wiltshire	5.7	2.4	2.1	4.1	6.2	3.1	0.9
Bedfordshire, Luton and Milton Keynes	19.3	6	2.2	4.6	9	3.1	1.2
Berkshire West	12.9	4.1	1.6	5.4	4.8	2.9	1.3
Birmingham and Solihull	31.1	8.6	2.7	4	46.3	2.8	1.5
Black Country and West Birmingham	26.2	9.1	3.5	3.7	48.4	2.9	1.4
Blackburn with Darwen	42.7	1.4	2.4	3.3	21.4	1.8	0.8
Blackpool	2.7	0.3	5.7	1.9	43.3	2.8	1.9
Bolton	25.5	5.8	2.8	3.3	26.6	2.6	1.2
Bradford District and Craven	39.7	1.6	3.2	4.1	37.1	2.6	1.3
Brighton and Hove	4	2.1	1.5	9.4	16.8	2.7	1.2
Bristol, North Somerset and South Gloucestershire	4.8	4.7	1.9	4.7	17.6	2.5	1
Buckinghamshire	16.9	2.2	1.1	5.5	0.3	2.7	1.1
Bury	15.3	3.5	1.8	4.5	11.8	2.5	1.2
Calderdale	16.5	0.5	3	2.6	26.5	1.9	1.3
Cambridgeshire and Peterborough	8.8	2.2	2.2	4.3	6.1	2.7	1
Cannock Chase	0.9	0.5	3.2	2.2	9.3	2	1.4
Castle Point and Rochford	0.8	0.6	2.1	3.7	7.2	4.5	1.2
Cheshire	2.4	0.7	2.2	4.3	6.6	3.1	1.2

Clinical Commissioning Group	Asian or Asian British <sup>§</sup>	Black or Black British <sup>§</sup>	Mother's age <20 years <sup>§</sup>	Mother's age >39 years <sup>§</sup>	Top quintile of child poverty <sup>§</sup>	Multiple birth <sup>§</sup>	Born at 24 to 31 weeks <sup>§</sup>
Chorley and South Ribble	2.3	0.7	2.8	2.5	4.7	1.8	1.1
County Durham	1	0.4	4.4	2.9	31.9	3.1	1.2
Coventry and Warwickshire	9.7	4.9	3.1	4.1	16.7	3.2	1.6
Derby and Derbyshire	6.6	1.5	3.3	3.4	21	3.1	1.3
Devon	1.4	0.5	2.7	4	11.5	2.6	0.9
Doncaster	3.4	1.3	3.8	2.4	37.1	2.7	1
Dorset	2.5	0.7	2.2	4.1	7.5	2.9	0.8
East Lancashire	22.6	0.2	3.5	3.2	16.2	2.9	1.3
East Leicestershire and Rutland	11.8	0.9	1.5	4.3	0.6	3.3	1.3
East Riding of Yorkshire	0.8	0.2	2.6	3.1	9.5	2.4	1.2
East Staffordshire	13.1	0.8	2.5	3.5	2.4	2.7	0.9
East Sussex	2.4	1	2.9	4.6	17.6	2.5	0.9
East and North Hertfordshire	5	3.7	1.3	5	3.7	3.5	1
Frimley	22.1	3.2	1.7	5.6	0.2	2.9	1
Fylde and Wyre	1.1	0.4	2.9	3.4	14	2.4	0.9
Gloucestershire	2.6	1.3	2.1	4.8	7.9	3.1	1.2
Greater Preston	17.7	1.7	3.3	3.1	15.4	2.4	1.1
Halton	0.9	0.6	4.2	2.8	22.7	3.3	1.8
Hampshire, Southampton and Isle of Wight	4.3	1.6	2.4	4.1	8.7	2.5	1.1
Herefordshire and Worcestershire	3.8	0.8	2.5	3.8	10.3	3.2	1.2
Herts Valleys	12.4	3.4	1.4	6.1	3.5	3.2	1
Heywood, Middleton and Rochdale	23.7	5.4	2.7	3.7	32.3	2.4	1.2
Hull	3.3	2.3	4.9	2.5	53.2	2.8	1.6
Ipswich and East Suffolk	3	1.9	3.2	3.4	11.2	3.4	1.3
Kent and Medway	4.5	3.4	2.9	4.1	18.5	2.9	1
Kernow	0.5	0.2	2.7	3.4	13	3	1
Kirklees	27.7	2.1	2.8	3.9	19.4	2.1	1.4
Knowsley	0.9	0.6	2.2	2.1	47.6	2.6	1.3
Leeds	11.9	7.7	3.3	4.1	35.6	2.8	0.8
Leicester City	40.3	6.8	3	4.4	30.3	2.6	1.5
Lincolnshire	1.5	0.5	3.7	2.9	15	3	1.3
Liverpool	3.7	3.2	2.6	3.8	53.9	3.4	1.4
Manchester	22.3	14	2.7	4.9	48.5	2.9	1.1
Mid Essex	2.9	1.8	1.8	3.4	4.4	3	1
Morecambe Bay	0.6	0.1	3.6	3.3	12.6	2.9	1.1
Newcastle Gateshead	9.4	3.5	3.3	4.1	36.8	2.7	1.3
Norfolk and Waveney	2.3	0.8	3.3	3.3	12.3	2.8	1
North Central London	10.1	12	1.4	7.3	31.5	3.5	1.2
North Cumbria	0.8	0.3	3.4	3	6.1	3	1.6
North East Essex	2.8	2.4	2.8	3.7	21.3	3.1	1.2
North East Lincolnshire	1.8	0.6	5.3	2.8	50.6	3.4	1.6
North East London	31.4	10.8	1.5	5.7	22.5	2.5	1.3
North Lincolnshire	3.7	0.8	4.7	3	19.5	2.9	2
North Staffordshire	2	0.4	3	3.8	8.8	3.5	1.7

Clinical Commissioning Group	Asian or Asian British <sup>§</sup>	Black or Black British <sup>§</sup>	Mother's age <20 years <sup>§</sup>	Mother's age >39 years <sup>§</sup>	Top quintile of child poverty <sup>§</sup>	Multiple birth <sup>§</sup>	Born at 24 to 31 weeks <sup>§</sup>
North Tyneside	2.6	0.6	3.4	3.9	18	2.6	1.3
North West London	28.8	8.8	1.2	6.9	10.6	2.9	1.1
North Yorkshire	1.1	0.7	2.6	4	5.4	2.9	0.8
Northamptonshire	4.9	4.7	2.3	3.4	8	2.8	1.1
Northumberland	1.2	0.1	3.7	3.7	25	2.4	0.9
Nottingham and Nottinghamshire	8.2	4.4	3.2	3.7	31.1	3	1
Oldham	32.2	3.9	3.4	2.7	38.5	2.4	1.6
Oxfordshire	7.4	2.2	1.4	5	3.6	2.4	0.9
Portsmouth	6.7	4.6	2.5	3.5	24.9	3.2	1.6
Rotherham	8.6	1.5	3.6	2.5	36.7	2.5	1.2
Salford	5	9.5	2.4	3.7	31.5	2.5	1
Sheffield	10.9	5.4	3.1	4.2	43	2.6	0.8
Shropshire, Telford and Wrekin	3.5	1.7	3.2	3.4	12.6	2.6	1.4
Somerset	1.7	0.5	2.6	4	5.3	3.1	1.2
South East London	7.7	17.4	1.4	7.2	22.3	3.1	1.1
South East Staffordshire and Seisdon Peninsula	1.9	0.7	2.4	3.8	8.4	2.8	1.2
South Sefton	0.6	0.4	2.4	4.3	31.8	3.6	1.7
South Tyneside	3.4	0.6	3.8	2.8	52	3.2	1.2
South West London	12.7	9.9	1.3	7.6	5.9	2.9	1.2
Southend	6.3	2.7	2.5	4.3	28.8	3.9	1.4
Southport and Formby	0.9	0.6	2.5	5.4	0	2.7	1.3
St Helens	1.7	0.4	4.8	2.7	29.4	2	1
Stafford and Surrounds	3.1	1.9	3	3.4	5.2	3.4	1.2
Stockport	7.6	1.1	1.7	4.4	11.7	3.2	0.5
Stoke on Trent	14.3	3.5	3.9	2.6	39	2.3	1.3
Sunderland	3.9	1.6	4.4	2.3	40.1	2.4	0.6
Surrey Heartlands	8.9	1.9	1.2	6.6	2.5	3	1
Tameside and Glossop	10.7	2.8	2.5	3.3	16.8	2.7	1.2
Tees Valley	5.7	1.9	4.8	2.7	48.7	3.1	1.2
Thurrock	7.5	12.6	2.4	4	13.1	3.4	1.6
Trafford	13.7	3.2	1.1	4.6	10	2.1	1
Vale of York	1.9	0.6	2.5	4.8	3.5	2.6	1.1
Wakefield	5.4	2.6	3.1	2.2	18.6	2.6	1.1
Warrington	3	0.6	2.7	4.5	4.2	2.8	1.4
West Essex	5.7	3.5	1.6	4.9	1.4	3.1	1.1
West Lancashire	0.6	0.3	3.5	3.6	16.8	1.8	1.6
West Leicestershire	5.2	1.2	2.1	3.1	5.3	3.1	1.2
West Suffolk	1.9	0.8	2.4	2.8	1.7	2.8	0.8
West Sussex	5.5	1.8	2	4.8	4.4	2.2	1.1
Wigan Borough	1.9	1.4	3.4	2.5	16.9	2.5	1.4
Wirral	2.2	0.5	2.8	3.8	30.8	2.3	0.9
<b>SCOTLAND</b>							
Ayrshire and Arran	1.3	0.2	3.4	3.7	35.1	3.4	1
Borders	0	0	2.5	2.9	7.5	2.2	0.9
Dumfries and Galloway	0.3	0.1	3.9	3.2	11.7	3.9	0.6

Clinical Commissioning Group	Asian or Asian British <sup>§</sup>	Black or Black British <sup>§</sup>	Mother's age <20 years <sup>§</sup>	Mother's age >39 years <sup>§</sup>	Top quintile of child poverty <sup>§</sup>	Multiple birth <sup>§</sup>	Born at 24 to 31 weeks <sup>§</sup>
Fife	1.4	0.3	4.4	3.6	25.7	2.3	1.1
Forth Valley	1.5	0.2	3	3.6	19.7	3.9	1.6
Grampian	3	2.4	2.3	4.1	4.3	2.8	1.3
Greater Glasgow and Clyde	4.2	1.7	2.2	4.5	35.1	2.5	1.1
Highland	1.6	0.3	2.4	5.2	7.5	3.1	1.1
Lanarkshire	2.4	0.5	3	3.2	21.6	2.9	1.2
Lothian	5.2	1.8	1.8	5.6	15.6	2.8	1
Orkney	0	0	0.5	2.2	0	5.5	0
Shetland	0	0	1.1	4.4	0	3.3	0
Tayside	2.6	1.1	3.1	3.7	23.2	3.1	1.3
Western Isles	0	0	2.7	10.2	2.7	0	0.5
<b>WALES</b>							
Aneurin Bevan University Health Board	3.3	1.3	3.3	2.5	32.4	2.7	1.2
Betsi Cadwaladr University Health Board	0.9	0.3	3.8	3.8	19.9	2.7	1.5
Cardiff and Vale University Health Board	8	4.5	2.3	4.3	32.6	2.8	1.3
Cwm Taf Morgannwg University Health Board	0.9	0.3	4.9	2.8	32.5	2.5	1.3
Hywel Dda University Health Board	0.3	0.1	3.4	3.2	18.6	2.8	0.9
Powys Teaching Health Board	0.2	0.1	2.6	3.5	9.8	3.9	1.7
Swansea Bay University Health Board	0.8	0.2	3.4	3.2	39	2.9	1.3
<b>NORTHERN IRELAND</b>							
Belfast	2.2	2.5	3.5	5.1	50.8	3.5	1.1
Northern	0.7	0.4	2.4	3.8	17	3.3	1
South Eastern	0.5	0.4	3	4.6	20.3	2.5	1
Southern	0.3	0.8	1.6	4.5	18	2.1	1
Western	0.5	0.2	1.5	5.2	35.6	3.3	0.9
<b>GUERNSEY</b>	0	0	1.4	5.7	0	0.4	0.6
<b>JERSEY</b>	0.1	0	1	7.1	0	4.8	0.7
<b>ISLE OF MAN</b>	2.1	1.2	1.5	6.3	0	3.4	0.8

<sup>§</sup> Percentage of all births in each commissioning organisation which fall within this category

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## 4.2 Population characteristics by Sustainability and Transformation Partnerships (England), or country of residence

The shading in Table 51 represents the quintiles of all STPs or countries of residence:

- 5<sup>th</sup> quintile: highest 20% of commissioning organisations;
- 4<sup>th</sup> quintile
- 3<sup>rd</sup> quintile
- 2<sup>nd</sup> quintile
- 1<sup>st</sup> quintile: lowest 20% of commissioning organisations.

Example: 5.7% of mothers giving birth in Bath, Swindon and Wiltshire STP are Asian or Asian British, which places this STP in the 3<sup>rd</sup> quintile of STPs for this population characteristic.

**Table 59: Proportion of mothers giving birth in population characteristic groups by Sustainability and Transformation Partnerships (England) or country of residence, for births in 2020**

Sustainability and Transformation Partnership	Asian or Asian British <sup>§</sup>	Black or Black British <sup>§</sup>	Mother's age <20 years <sup>§</sup>	Mother's age >39 years <sup>§</sup>	Top quintile of child poverty <sup>§</sup>	Multiple birth <sup>§</sup>	Born at 24 to 31 weeks <sup>§</sup>
<b>ENGLAND</b>							
Bath and North East Somerset, Swindon and Wiltshire	5.7	2.4	2.1	4.1	6.2	3.1	0.9
Bedfordshire, Luton and Milton Keynes	19.3	6	2.2	4.6	9	3.1	1.2
Birmingham and Solihull	31.1	8.6	2.7	4	46.3	2.8	1.5
Bristol, North Somerset and South Gloucestershire	4.8	4.7	1.9	4.7	17.6	2.5	1
Buckinghamshire, Oxfordshire and Berkshire West	12	2.8	1.4	5.3	2.9	2.7	1.1
Cambridgeshire and Peterborough	8.8	2.2	2.2	4.3	6.1	2.7	1
Cheshire and Merseyside	2.3	1.1	2.7	3.8	26.6	3	1.3
Cornwall and the Isles of Scilly Health and Social Care Partnership	0.5	0.2	2.7	3.4	13	3	1
Coventry and Warwickshire	9.7	4.9	3.1	4.1	16.7	3.2	1.6
Cumbria and North East	4.2	1.4	4	3.1	34.6	2.9	1.2
Devon	1.4	0.5	2.7	4	11.5	2.6	0.9
Dorset	2.5	0.7	2.2	4.1	7.5	2.9	0.8
East London Health and Care Partnership	31.4	10.8	1.5	5.7	22.5	2.5	1.3
Frimley Health and Care ICS	22.1	3.2	1.7	5.6	0.2	2.9	1
Gloucestershire	2.6	1.3	2.1	4.8	7.9	3.1	1.2
Greater Manchester Health and Social Care Partnership	16.5	6.2	2.5	3.9	28	2.6	1.2
Hampshire and the Isle of Wight	4.6	2	2.4	4	10.8	2.6	1.2
Healthier Lancashire and South Cumbria	13.6	0.6	3.4	3.1	17.2	2.5	1.2
Herefordshire and Worcestershire	3.8	0.8	2.5	3.8	10.3	3.2	1.2
Hertfordshire and West Essex	8.2	3.5	1.4	5.4	3.1	3.3	1
Humber, Coast and Vale	2	0.9	3.6	3.5	21.8	2.8	1.3
Joined Up Care Derbyshire	6.6	1.5	3.3	3.4	21	3.1	1.3

Sustainability and Transformation Partnership	Asian or Asian British <sup>§</sup>	Black or Black British <sup>§</sup>	Mother's age <20 years <sup>§</sup>	Mother's age >39 years <sup>§</sup>	Top quintile of child poverty <sup>§</sup>	Multiple birth <sup>§</sup>	Born at 24 to 31 weeks <sup>§</sup>
Kent and Medway	4.5	3.4	2.9	4.1	18.5	2.9	1
Leicester, Leicestershire and Rutland	21.1	3.4	2.3	4	14.2	3	1.3
Lincolnshire	1.5	0.5	3.7	2.9	15	3	1.3
Mid and South Essex	4.3	4.1	2.2	3.8	12.5	3.4	1.2
Norfolk and Waveney Health and Care Partnership	2.3	0.8	3.3	3.3	12.3	2.8	1
North London Partners in Health and Care	10.1	12	1.4	7.3	31.5	3.5	1.2
North West London Health and Care Partnership	28.8	8.8	1.2	6.9	10.6	2.9	1.1
Northamptonshire	4.9	4.7	2.3	3.4	8	2.8	1.1
Nottingham and Nottinghamshire Health and Care	8.2	4.4	3.2	3.7	31.1	3	1
Our Healthier South East London	7.7	17.4	1.4	7.2	22.3	3.1	1.1
Shropshire and Telford and Wrekin	3.5	1.7	3.2	3.4	12.6	2.6	1.4
Somerset	1.7	0.5	2.6	4	5.3	3.1	1.2
South West London Health and Care Partnership	12.7	9.9	1.3	7.6	5.9	2.9	1.2
South Yorkshire and Bassetlaw	6.6	2.7	3.7	3.2	36.7	2.7	1
Staffordshire and Stoke on Trent	6.9	1.6	3.1	3.1	16.2	2.7	1.3
Suffolk and North East Essex	2.6	1.8	2.9	3.3	12.4	3.1	1.2
Surrey Heartlands Health and Care Partnership	8.9	1.9	1.2	6.6	2.5	3	1
Sussex Health and Care Partnership	4.3	1.6	2.2	5.4	10.4	2.4	1.1
The Black Country and West Birmingham	26.2	9.1	3.5	3.7	48.4	2.9	1.4
West Yorkshire and Harrogate (Health and Care Partnership)	21.6	3.8	3.1	3.7	30	2.5	1.1
<b>SCOTLAND</b>	3	1.2	2.6	4.2	21.4	2.9	1.1
<b>WALES</b>	2.5	1.2	3.5	3.3	28.2	2.7	1.3
<b>NORTHERN IRELAND</b>	0.8	0.9	2.4	4.6	27.3	2.9	1

<sup>§</sup> Percentage of births in each commissioning organisation which fall within this category

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### 4.3 Population characteristics by Local Authority

The shading in Table 52, below, represents the quintiles of all Local Authorities:

- 5<sup>th</sup> quintile: highest 20% of Local Authorities;
- 4<sup>th</sup> quintile
- 3<sup>rd</sup> quintile
- 2<sup>nd</sup> quintile
- 1<sup>st</sup> quintile: lowest 20% of Local Authorities.

Example: 29.9% of mothers giving birth in Barking and Dagenham are Asian or Asian British, which places this Local Authority in the 5<sup>th</sup> quintile or highest 20% of Local Authorities for this population characteristic.

**Table 60: Proportion of mothers giving birth in population characteristic groups by Local Authority, for births in 2020**

Local Authority	Asian or Asian British <sup>§</sup>	Black or Black British <sup>§</sup>	Mother's age <20 years <sup>§</sup>	Mother's age >39 years <sup>§</sup>	Top quintile of child poverty <sup>§</sup>	Multiple birth <sup>§</sup>	Born at 24 to 31 weeks <sup>§</sup>
<b>ENGLAND</b>							
Barking and Dagenham	29.9	17.7	2.3	4.7	11.3	2.4	1.2
Barnet	14	7.4	0.8	7.1	6.7	3.1	1.2
Barnsley	0.7	0.7	5.2	3.1	31.5	2.7	1.3
Bath and North East Somerset	1.2	1.3	1.6	4.5	3	2.7	0.8
Bedford	14.7	3.7	2.4	3.7	6.8	2.3	0.7
Bexley	9.8	11.7	2.1	5	10.1	3.6	1
Birmingham	36.2	11.9	2.9	4.1	52.2	2.5	1.6
Blackburn with Darwen	42.7	1.4	2.4	3.3	21.4	1.8	0.8
Blackpool	2.7	0.3	5.7	1.9	43.3	2.8	1.9
Bolton	25.5	5.8	2.8	3.3	26.6	2.6	1.2
Bournemouth, Christchurch and Poole	3.4	1	1.6	4.5	10.3	2.8	0.9
Bracknell Forest	7.6	2.3	2	4.9	0	4.6	1.6
Bradford	41.7	1.7	3.4	4	39	2.6	1.4
Brent	30.7	12.8	1.2	6	9.8	2.6	1.4
Brighton and Hove	4	2.1	1.5	9.4	16.8	2.7	1.2
Bristol, City of	5.9	7.5	2.1	5.2	27.6	3	1.1
Bromley	7	7.8	1	7.1	12.9	2.9	1
Buckinghamshire	17	2.2	1.1	5.5	0.3	2.7	1.1
Bury	15.3	3.5	1.8	4.5	11.8	2.5	1.2
Calderdale	16.5	0.5	3	2.6	26.5	1.9	1.3
Cambridgeshire	5	1.4	1.6	4.7	2.9	2.9	0.9
Camden	13.9	8.2	0.6	8.7	52.2	3.3	0.8
Central Bedfordshire	3.8	2.2	2.1	4.9	5.5	3.9	1.3
Cheshire East	3.1	0.9	1.9	4.4	2.9	3	1.1
Cheshire West and Chester	1.7	0.6	2.7	4.2	10.6	3.3	1.3
Cornwall	0.5	0.2	2.7	3.4	13	3	1
County Durham	1	0.4	4.4	2.9	31.9	3.1	1.2
Coventry	15.1	9.8	4	4.5	32.4	3.2	2
Croydon	16	20.7	2.1	6.6	4.3	2.7	1.4
Cumbria	0.6	0.2	3.3	3	7.6	2.8	1.4

Local Authority	Asian or Asian British <sup>§</sup>	Black or Black British <sup>§</sup>	Mother's age <20 years <sup>§</sup>	Mother's age >39 years <sup>§</sup>	Top quintile of child poverty <sup>§</sup>	Multiple birth <sup>§</sup>	Born at 24 to 31 weeks <sup>§</sup>
Darlington	4.2	0.6	3.7	2.8	36.4	3.2	1
Derby	17.8	3.6	4.1	3	35.5	2.9	1.6
Derbyshire	1.5	0.6	2.9	3.5	14.5	3.2	1.2
Devon	1.2	0.3	2.3	4.1	3.8	2.7	1
Doncaster	3.4	1.3	3.8	2.4	37.1	2.7	1
Dorset	1.2	0.2	2.9	3.5	3.8	3	0.8
Dudley	12.3	2.8	3.5	3.5	33.8	3.2	1.3
Ealing	31.6	10.2	1.1	7.1	8.9	2.7	1.2
East Riding of Yorkshire	0.8	0.2	2.5	3.2	8.9	2.5	1.2
East Sussex	2.4	1	2.9	4.6	17.6	2.5	0.9
Enfield	9	17.6	2.4	6.2	30.5	3.4	1.3
Essex	3.5	2.5	2.1	3.9	9.6	3.2	1.1
Gateshead	2.8	2.1	3.4	3.7	27.9	2.2	0.9
Gloucestershire	2.6	1.3	2.1	4.8	7.9	3.1	1.2
Greenwich	11.3	17.9	1.7	5.8	26.3	3.2	0.8
Hackney and City of London	8.1	15	1.4	7.4	39.2	2.4	1.3
Halton	0.9	0.6	4.2	2.8	22.7	3.3	1.8
Hammersmith and Fulham	5.1	10.8	0.8	9.9	19.6	3.7	1.2
Hampshire	4.2	1.4	2.1	4.3	3.6	2.6	1
Haringey	6.1	14.4	2.1	8.1	32.3	3.8	1.6
Harrow	36.9	5.5	1.2	4.7	0	3.5	1.2
Hartlepool	2.1	0.9	5.1	1.9	59.1	3	0.6
Havering	14	8	1.9	4.9	11	2.5	1.2
Herefordshire, County of	1.9	0.5	2.6	3.7	3.9	3.6	0.9
Hertfordshire	8.8	3.5	1.4	5.6	3.5	3.3	1
Hillingdon	39.2	7.5	1.7	6	5.2	2.3	1.1
Hounslow	36.8	6.8	1.6	5.8	2.1	3.1	1.2
Isle of Wight	1.1	0.3	3.3	3.5	20.7	2.6	1.6
Islington	6.5	12.1	0.9	7	58.2	4	0.9
Kensington and Chelsea	5.3	6.7	0.7	10.5	20.4	2.4	0.7
Kent	4.3	3	2.8	4.2	17.4	3.1	1
Kingston upon Hull, City of	3.3	2.3	4.9	2.5	53.2	2.8	1.6
Kingston upon Thames	13.1	2.8	0.8	7.5	1.5	3.2	1.8
Kirklees	27.7	2.1	2.8	3.9	19.4	2.1	1.4
Knowsley	0.9	0.6	2.2	2.1	47.6	2.6	1.3
Lambeth	4.7	22.1	1	8.4	29	3.2	1.3
Lancashire	12	0.6	3.4	3.2	14.1	2.6	1.2
Leeds	11.9	7.7	3.3	4.1	35.6	2.8	0.8
Leicester	40.3	6.8	3	4.4	30.3	2.6	1.5
Leicestershire	8.4	1	1.9	3.6	3.4	3.3	1.2
Lewisham	6.8	20.8	1.5	7.9	24.5	2.3	1.2
Lincolnshire	1.5	0.5	3.7	2.9	15	3	1.3
Liverpool	3.7	3.2	2.6	3.8	53.9	3.4	1.4
Luton	43.1	7.7	2.3	4.7	16.4	2.8	1.3
Manchester	22.3	14	2.7	4.9	48.5	2.9	1.1

Local Authority	Asian or Asian British <sup>§</sup>	Black or Black British <sup>§</sup>	Mother's age <20 years <sup>§</sup>	Mother's age >39 years <sup>§</sup>	Top quintile of child poverty <sup>§</sup>	Multiple birth <sup>§</sup>	Born at 24 to 31 weeks <sup>§</sup>
Medway	5.6	5.8	3.3	3.6	23.8	2.2	1.1
Merton	15.3	8	1.2	7.2	7.1	3.2	0.9
Middlesbrough	11.4	4.5	5.4	3.2	60.9	4.5	1.9
Milton Keynes	13.7	9.4	2.2	4.8	6.7	3	1.5
Newcastle upon Tyne	13.5	4.5	3.3	4.3	42.3	3.1	1.6
Newham	42.5	13.5	1.6	4.5	11.6	2.5	1.5
Norfolk	2.4	0.9	3.1	3.5	11	2.8	1
North East Lincolnshire	1.8	0.6	5.3	2.8	50.6	3.4	1.6
North Lincolnshire	3.7	0.8	4.7	3	19.5	2.9	2
North Northamptonshire	3	3.7	2.6	3.6	8.1	3.1	1
North Somerset	1.9	1	1.9	4.2	13.4	2.2	1
North Tyneside	2.6	0.6	3.4	3.9	18	2.6	1.3
North Yorkshire	1.1	0.5	2.3	4.1	4.1	2.8	0.9
Northumberland	1.2	0.1	3.7	3.7	25	2.4	0.9
Nottingham	17.7	10.3	4	4.1	60.2	2.8	1.4
Nottinghamshire	3	1.1	2.9	3.3	15.5	3.1	0.8
Oldham	32.2	3.9	3.4	2.7	38.5	2.4	1.6
Oxfordshire	7.2	2.2	1.4	5	3.5	2.6	0.9
Peterborough	18.5	4.1	3.7	3	14.4	2.2	1.1
Plymouth	2.2	1	3.5	3.8	25.3	2.1	0.8
Portsmouth	6.7	4.6	2.5	3.5	24.9	3.2	1.6
Reading	19	7.5	1.8	5.7	9.9	4.1	1.6
Redbridge	47.3	7	1.5	5.3	1.6	2.1	1.3
Redcar and Cleveland	1.4	0.3	5.5	2.5	46.5	1.9	1.4
Richmond upon Thames	6	1.3	0.7	11	1.4	3.2	0.8
Rochdale	23.7	5.4	2.7	3.7	32.3	2.4	1.2
Rotherham	8.6	1.5	3.6	2.5	36.7	2.5	1.2
Rutland	1.1	2.2	0	4.3	0	1.4	1.1
Salford	5	9.5	2.4	3.7	31.4	2.5	1
Sandwell	30.9	8.9	3.1	3.7	41	3.1	1.3
Sefton	0.7	0.5	2.4	4.7	20.6	3.3	1.6
Sheffield	10.9	5.4	3.1	4.2	43	2.6	0.8
Shropshire	1.2	0.3	2.6	3.5	5.5	2.9	1.3
Slough	49.7	6.5	2.3	5.1	0	2.3	1.2
Solihull	13.3	2.1	1.4	4.4	25.2	3.2	0.9
Somerset	1.7	0.5	2.6	4	5.3	3.1	1.2
South Gloucestershire	4.4	2.2	1.7	4.2	2.5	1.8	0.8
South Tyneside	3.4	0.6	3.8	2.8	52	3.2	1.2
Southampton	10.8	3.5	2.4	4.1	22.5	2.1	1.1
Southend-on-Sea	6.3	2.7	2.5	4.3	28.8	3.9	1.4
Southwark	6.9	22.3	1.4	8.5	27.7	3.8	1.1
St. Helens	1.7	0.4	4.8	2.7	29.4	2	1
Staffordshire	3.9	0.8	2.8	3.4	7	2.9	1.3
Stockport	7.6	1.1	1.7	4.4	11.7	3.2	0.5
Stockton-on-Tees	5.6	1.6	4.2	2.6	40.4	2.5	0.9
Stoke-on-Trent	14.4	3.6	4	2.5	39.4	2.3	1.3

Local Authority	Asian or Asian British <sup>§</sup>	Black or Black British <sup>§</sup>	Mother's age <20 years <sup>§</sup>	Mother's age >39 years <sup>§</sup>	Top quintile of child poverty <sup>§</sup>	Multiple birth <sup>§</sup>	Born at 24 to 31 weeks <sup>§</sup>
Suffolk	2.4	1.3	3.2	3	9.7	3.1	1.1
Sunderland	3.9	1.6	4.4	2.3	40.1	2.4	0.6
Surrey	9	1.9	1.2	6.5	2.3	3	0.9
Sutton	15.4	5.4	1.4	5.8	1.6	2.8	1.4
Swindon	14.3	3.8	2.5	3.2	13.2	3.3	1.4
Tameside	12	3.1	2.8	3.3	17.5	2.7	1.2
Telford and Wrekin	6.5	3.5	4.1	3.2	21.8	2.4	1.6
Thurrock	7.5	12.6	2.4	4	13.1	3.4	1.6
Torbay	0.5	0.1	2.9	3.5	24.8	2.8	0.9
Tower Hamlets	49.5	5.3	0.6	6	70.5	2.6	1.2
Trafford	13.7	3.2	1.1	4.6	10	2.1	1
Wakefield	5.4	2.6	3.1	2.2	18.6	2.6	1.1
Walsall	22.8	5	4.2	2.9	55.4	3.8	1.3
Waltham Forest	18.3	9.4	1.4	7.3	10	3.2	1.2
Wandsworth	8.5	7.5	0.7	8.5	13.5	2.7	0.8
Warrington	3	0.6	2.7	4.5	4.2	2.8	1.4
Warwickshire	6	1.4	2.4	3.7	5.7	3.3	1.3
West Berkshire	4.3	1.2	2.1	5.7	3	2.6	1.1
West Northamptonshire	6.4	5.4	2	3.4	7.6	2.7	1.1
West Sussex	5.4	1.8	1.9	4.8	4.4	2.2	1.1
Westminster	11.9	8	0.4	10.7	41.9	3.6	0.5
Wigan	1.9	1.4	3.4	2.5	16.9	2.5	1.4
Wiltshire	2.6	2	2	4.4	3.6	3.1	0.8
Windsor and Maidenhead	16	1.7	1.1	8	0	3.2	0.8
Wirral	2.2	0.5	2.8	3.8	30.8	2.3	0.9
Wokingham	13.1	2.4	1	4.7	0	1.7	1.2
Wolverhampton	21.5	9.6	3.9	3.9	53.4	2.7	1.4
Worcestershire	4.3	0.8	2.5	3.8	12.1	3	1.3
York	3	1	3.1	5.3	5.3	2.7	1.1
<b>SCOTLAND</b>							
Aberdeen City	6	5	2	4.6	7.9	2.5	1.5
Aberdeenshire	1.3	0.9	2	3.8	0.9	3.2	1.1
Angus	0.2	0.3	3.5	3.6	12.4	2.5	1
Argyll and Bute	0.5	0.2	2.5	4.9	9.1	2.4	1.3
City of Edinburgh	7.4	2.6	1.1	6.8	17.6	2.6	1
Clackmannanshire	2	0	3.3	2.2	32.5	1.8	0.9
Dumfries and Galloway	0.3	0.1	3.9	3.2	11.8	4	0.6
Dundee City	5.9	2.3	3.8	3	47.7	3.1	1.5
East Ayrshire	1.2	0.4	3.2	3.3	32.6	3.1	1.1
East Dunbartonshire	1.9	0.2	1.1	5	4.1	3.1	0.5
East Lothian	1.1	0.3	2.6	6	4.3	3.9	1
East Renfrewshire	6.7	0.4	0.7	6.7	6.7	2.2	0.5
Falkirk	1.7	0.3	3	3.5	15.9	4.7	1.9
Fife	1.4	0.3	4.4	3.6	25.7	2.3	1.1
Glasgow City	5.9	2.8	2.4	4.6	46.5	2.5	1.1
Highland	2	0.3	2.4	5.2	7	3.4	1

Local Authority	Asian or Asian British <sup>§</sup>	Black or Black British <sup>§</sup>	Mother's age <20 years <sup>§</sup>	Mother's age >39 years <sup>§</sup>	Top quintile of child poverty <sup>§</sup>	Multiple birth <sup>§</sup>	Born at 24 to 31 weeks <sup>§</sup>
Inverclyde	0.5	0.2	3.8	3.6	36	2.9	1.6
Midlothian	3.2	0.7	2.5	3.8	13	3.2	0.9
Moray	0.7	0.5	4.1	3.6	4.6	2.4	1.4
Na h-Eileanan Siar	0	0	2.7	10.2	2.7	0	0.5
North Ayrshire	1.3	0.1	3.9	3.4	46.9	4.5	1.2
North Lanarkshire	2.3	0.6	3.4	3.2	23.5	2.5	1.3
Orkney Islands	0	0	0.6	2.2	0	5.6	0
Perth and Kinross	0.7	0.4	1.9	4.5	4.5	3.4	1.2
Renfrewshire	1.3	0.3	1.5	4	23.8	2.7	1.5
Scottish Borders	0	0	2.5	3.1	7.9	2.4	1
Shetland Islands	0	0	1.1	4.4	0	3.3	0
South Ayrshire	1.5	0.2	3.1	4.6	22.5	2.3	0.9
South Lanarkshire	2.5	0.4	2.6	3.2	19.6	3.3	1.2
Stirling	0.7	0.1	2.9	4.4	19.4	3.4	1.3
West Dunbartonshire	0.9	0.1	3.6	2.9	35.6	1.9	1.3
West Lothian	3	1	2.8	3.1	18.5	2.3	0.9
<b>WALES</b>							
Blaenau Gwent	1.2	0.3	3.9	1.7	49.1	3.5	1.2
Bridgend	0.4	0.1	4.3	3.5	29.1	2.6	1
Caerphilly	0.7	0.2	3.3	2.1	32.8	2.6	1.4
Cardiff	9.8	5.8	2.4	4.5	37.3	2.7	1.3
Carmarthenshire	0.4	0.2	3.2	3.4	19.4	2.1	0.8
Ceredigion	0.2	0	2.2	4.7	4.1	2.4	1.4
Conwy	0.6	0	3.5	4.4	19	3.9	2.4
Denbighshire	1.2	0.3	4	3.4	26.5	1.3	1.5
Flintshire	0.7	0.1	3.2	3.4	14.2	2.3	1.1
Gwynedd	1.5	0.5	3.1	3.5	10.2	2.2	1.1
Isle of Anglesey	1	0	3.1	3.6	26.1	3.1	1.4
Merthyr Tydfil	2	0	5.8	2.3	26.2	1.3	1.3
Monmouthshire	0.8	0.3	1.7	3.6	4.6	2.1	1
Neath Port Talbot	0.2	0	2.9	2.8	40.8	3.1	1.2
Newport	8.9	3.7	3.9	3	34.7	2.5	0.9
Pembrokeshire	0.4	0	4.3	2	24.3	4.1	0.9
Powys	0.2	0.1	2.6	3.5	9.8	3.9	1.7
Rhondda Cynon Taf	0.8	0.4	4.9	2.5	36.1	2.7	1.5
Swansea	1.2	0.2	3.6	3.4	37.8	2.8	1.4
Torfaen	0.2	0	3.1	2.1	36.4	3	1.8
Vale of Glamorgan	2.4	0.3	2	3.8	18.1	3.1	1.5
Wrexham	0.8	0.6	5.5	4.5	27	3.3	1.7
<b>NORTHERN IRELAND</b>							
Antrim and Newtownabbey	1.5	0.5	1.8	3.9	20.3	3.9	1.2
Ards and North Down	0.6	0.6	2.5	4	21.4	2.1	1
Armagh City, Banbridge and Craigavon	0.4	1.1	1.7	4.1	13.4	2.3	1
Belfast	2.1	2.6	4	5.3	58.4	3.6	1.2
Causeway Coast and Glens	0.2	0.3	2.5	4.6	22.8	3	1.5

Local Authority	Asian or Asian British <sup>§</sup>	Black or Black British <sup>§</sup>	Mother's age <20 years <sup>§</sup>	Mother's age >39 years <sup>§</sup>	Top quintile of child poverty <sup>§</sup>	Multiple birth <sup>§</sup>	Born at 24 to 31 weeks <sup>§</sup>
Derry City and Strabane	0.6	0.2	1.9	4.7	54.8	3.8	1.2
Fermanagh and Omagh	0.4	0.3	0.8	5.9	13.3	2.8	0.5
Lisburn and Castlereagh	1.3	0.2	2.1	4.4	5.5	2.4	1
Mid Ulster	0.3	0.8	1.6	3.9	6.2	2.5	0.9
Mid and East Antrim	0.5	0.4	3.1	3.1	19.8	2.9	0.7
Newry, Mourne and Down	0.2	0.1	2.4	5.5	25.9	2.5	0.8
<b>GUERNSEY</b>	0	0	1.4	5.7	0	0.4	0.6
<b>JERSEY</b>	0.1	0	1	7.1	0	4.8	0.7
<b>ISLE OF MAN</b>	2.1	1.2	1.5	6.3	0	3.4	0.8

<sup>§</sup> Percentage of all births in each LA which fall within this category

Data sources: MBRRACE-UK, PDS, ONS, NRS, PHS, NIMATS, States of Guernsey, States of Jersey

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## 5. Perinatal mortality in the UK from routine sources

Data presented in Table 53 shows the stillbirth, neonatal death and extended perinatal death rates in the UK for 2010 to 2020 obtained from statutory registered births and deaths.

**Table 61: Total stillbirth, neonatal, and extended perinatal mortality rates from statutory registrations by country: United Kingdom, 2010 to 2020**

Rate per 1,000 births	Country	Year of death										
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Stillbirths <sup>†</sup>	UK	5.07	5.17	4.82	4.64	4.57	4.40	4.41	4.13	4.03	3.86	3.86
	England	5.08	5.23	4.81	4.65	4.59	4.42	4.35	4.12	4.01	3.83	3.80
	Scotland	4.93	5.08	4.70	4.16	4.00	3.81	4.31	4.24	3.69	3.48	4.21
	Wales	5.26	4.67	5.11	4.51	5.25	4.73	4.98	4.73	4.39	4.62	4.42
	Northern Ireland	4.13	3.59	4.18	4.51	3.31	3.13	3.39	4.40	3.45	2.98	3.30
Neonatal deaths <sup>‡</sup>	UK	2.96	2.95	2.85	2.71	2.71	2.72	2.79	2.76	2.79	2.90	2.68
	England	2.93	2.94	2.86	2.71	2.69	2.73	2.80	2.87	2.82	2.88	2.67
	Scotland	2.55	2.71	2.55	2.34	2.42	2.03	2.68	2.25	2.18	2.21	2.14
	Wales	2.73	2.75	2.92	2.43	2.38	2.46	2.00	2.49	2.49	3.30	2.93
	Northern Ireland	4.58	3.48	2.77	3.38	3.94	4.21	3.57	2.77	3.24	3.92	3.65
Extended perinatal deaths <sup>†</sup>	UK	8.01	8.11	7.59	7.33	7.26	7.11	7.17	7.03	6.61	6.75	6.53
	England	8.00	8.16	7.58	7.34	7.26	7.14	7.13	6.98	6.82	6.70	6.46
	Scotland	7.46	7.78	7.24	6.49	6.41	5.84	6.98	6.48	5.86	5.68	6.34
	Wales	7.97	7.41	7.85	6.93	7.62	7.18	6.98	7.21	6.88	7.91	7.34
	Northern Ireland	8.69	7.06	6.94	7.87	7.23	7.33	6.95	7.16	6.68	6.88	6.94

<sup>†</sup> per 1,000 total births

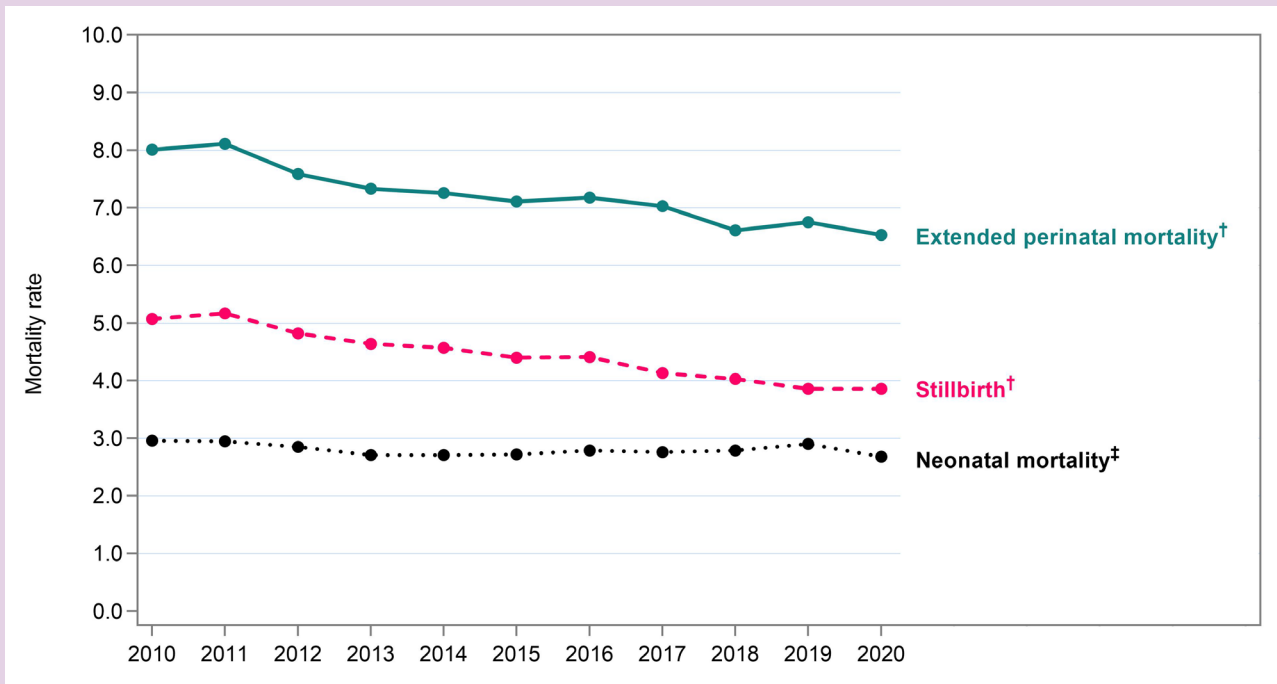
<sup>‡</sup> per 1,000 live births

Data sources: ONS, NRS, NISRA

Differences in the law in Northern Ireland relating to the termination of pregnancy during this period means that a greater proportion of babies with severe congenital anomalies are born, but then die after birth.

The UK-wide rates are also shown in Figure 9, overleaf.

**Figure 9: Stillbirth, neonatal, and extended perinatal mortality rates from statutory registrations: United Kingdom, 2010 to 2020**



<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

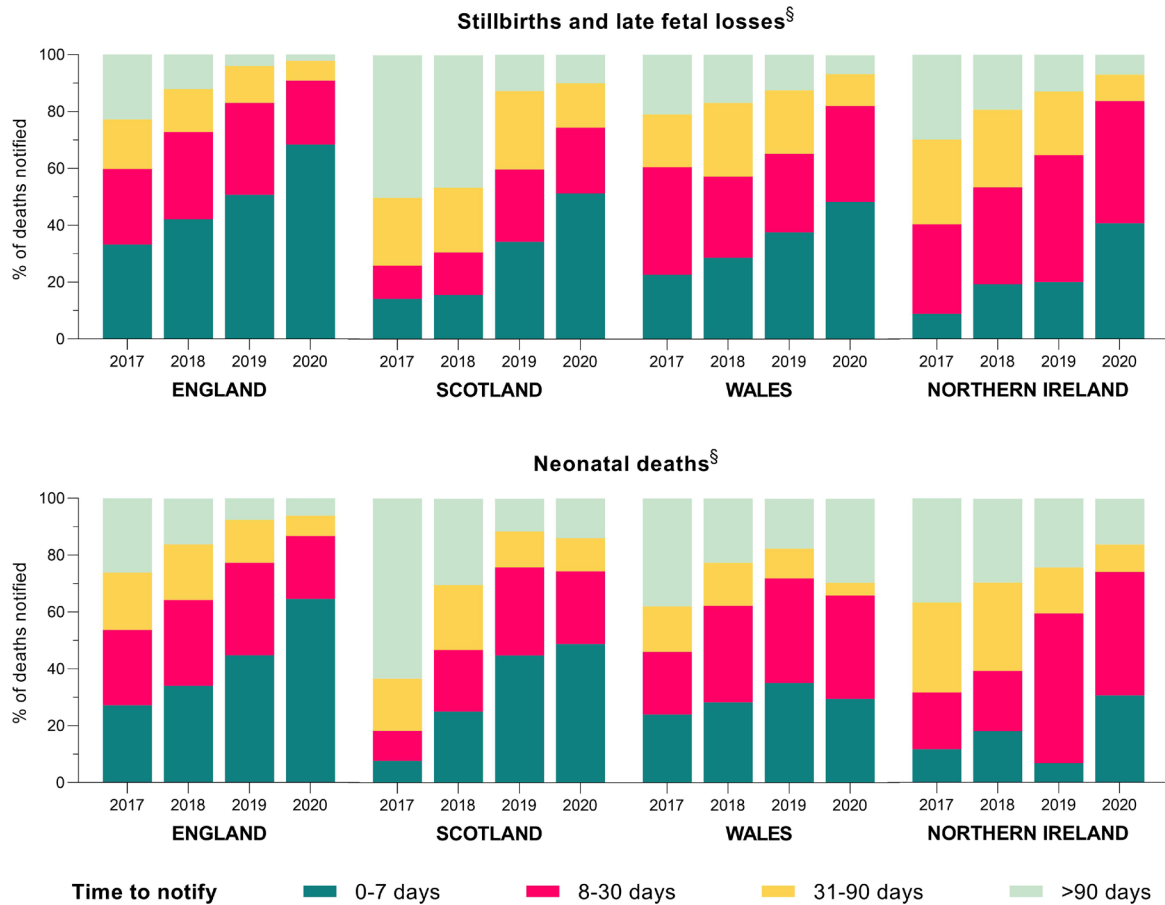
Data sources: ONS, NRS, NISRA



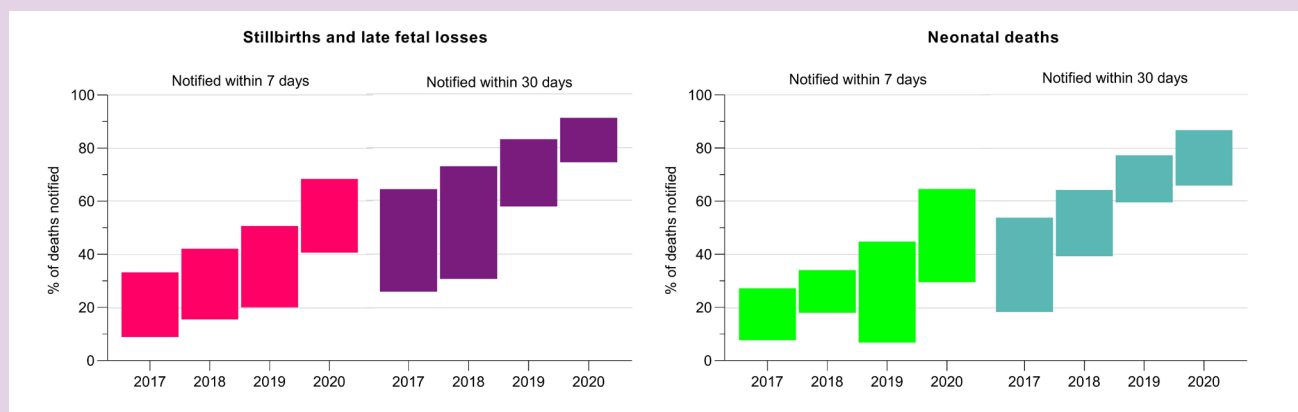
## 6. Timeliness of notification and completeness of the data reported to MBRRACE-UK

### 6.1 Timeliness of notification

Figure 10: Percentage of perinatal deaths notified to MBRRACE-UK by days to notify: 2017 to 2020



<sup>§</sup> From 22<sup>+0</sup> weeks gestational age at birth, excluding terminations of pregnancy  
Data source: MBRRACE-UK

**Figure 11: Regional variation in timing of notification of stillbirths and neonatal deaths: 2017 to 2020**

§ From 22<sup>+0</sup> weeks gestational age at birth, excluding terminations of pregnancy

Data source: MBRRACE-UK

**Table 62: Percentage of stillbirths and late fetal losses notified to MBRRACE-UK by days to notify: 2017 to 2020**

Time to notify	% Notified			
	Stillbirths and late fetal losses <sup>§</sup>			
	2017	2018	2019	2020
0-7 days	30.8	39.2	47.9	65.5
8-30 days	26.0	29.6	31.9	23.6
31-90 days	18.3	16.3	14.6	7.8
>90 days	24.8	15.0	5.6	3.1

§ Includes late fetal losses at 22-23 weeks gestational age, excluding terminations of pregnancy

Data source: MBRRACE-UK

**Table 63: Percentage of neonatal deaths notified to MBRRACE-UK by days to notify: 2017 to 2020**

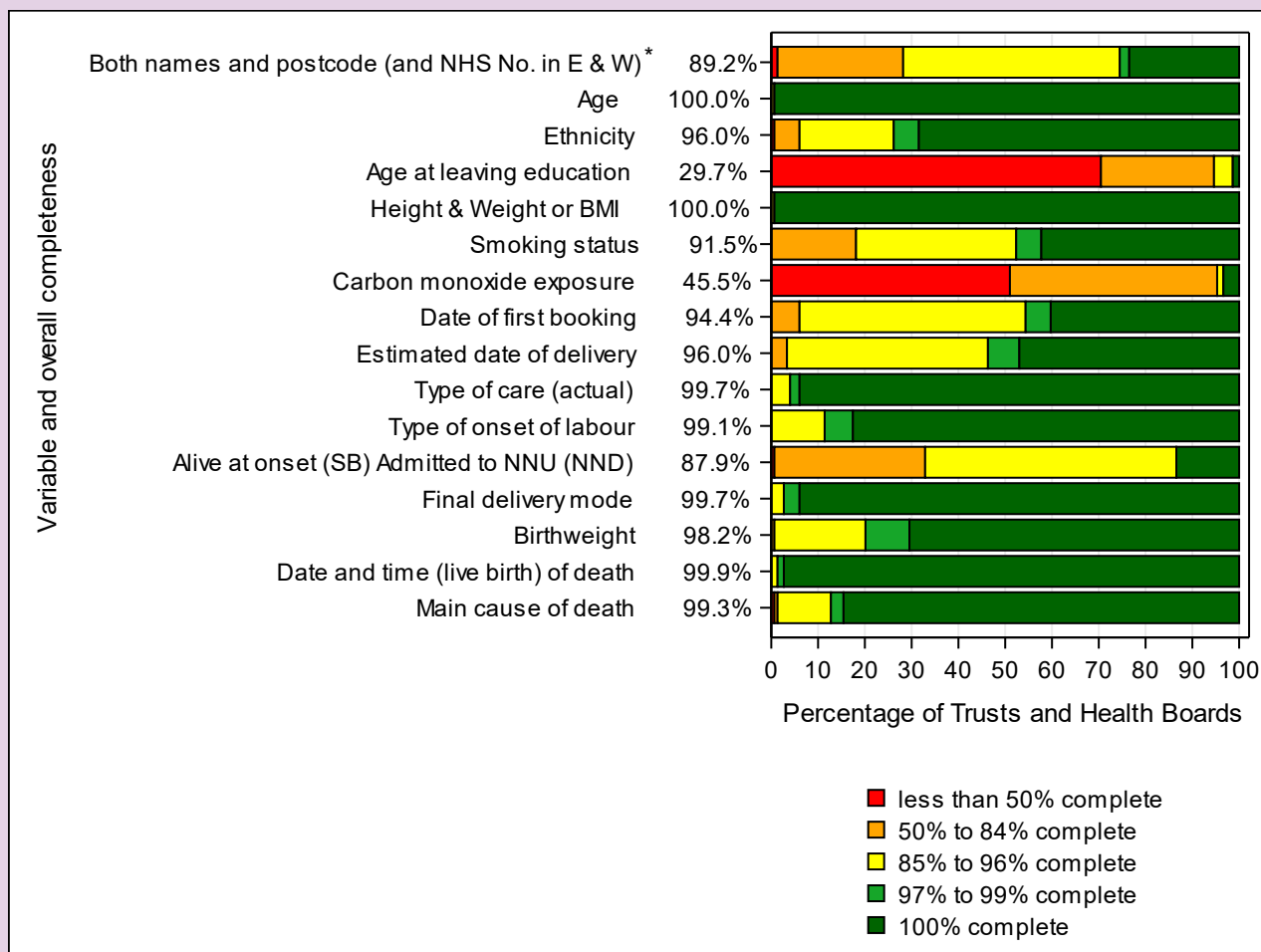
Time to notify	% Notified			
	Neonatal deaths <sup>§</sup>			
	2017	2018	2019	2020
0-7 days	25.1	32.6	42.2	60.7
8-30 days	25.3	29.5	33.8	23.9
31-90 days	20.4	20.2	15.0	7.4
>90 days	29.2	17.7	9.1	8.0

§ From 22<sup>+0</sup> weeks gestational age at birth, excluding terminations of pregnancy

Data source: MBRRACE-UK

## 6.2 Completeness of key data items

**Figure 12: Level of completeness of data reported by Trusts and Health Boards for extended perinatal deaths: United Kingdom and Crown Dependencies, for births in 2020**



\* Postcode only in Northern Ireland as mother's name is not reported to MBRRACE-UK

Data source: MBRRACE-UK

The completeness for groups of key data items reported to MBRRACE-UK is shown in Table 37, by reporting Trust and Health Board. The percentage shown is the combined percentage for all of the items in each group:

1. Mother's details: given name (not Northern Ireland); family name (not Northern Ireland); postcode of residence at time of birth (not Northern Ireland); NHS Number (not Scotland or Northern Ireland); ethnicity; age, age at leaving full-time education.
2. Booking information: smoking status; breath carbon monoxide; BMI.
3. Antenatal care: intended type of care at booking; intended place of birth at booking; EDD.
4. Birth and baby's characteristics for stillbirths: actual place of birth; date and time of birth; final birth mode; type of onset of labour; birthweight; gestational age at birth.
5. Birth and baby's characteristics for neonatal deaths: actual place of birth; date and time of birth; final birth mode; type of onset of labour; birthweight; gestational age at birth.
6. Baby's outcome: date death confirmed (stillbirths only); whether alive at onset of care in labour (stillbirths only), whether admitted to neonatal unit (neonatal deaths only); main cause of death.

The colours in Table 54 represent the level of data completeness for each Trust and Health Board:

- **red**: less than 70.0 complete;
- **amber**: 70.0 to 84.9 complete;
- **yellow**: 85.0 to 96.9 complete;
- **light green**: 97.0 to 99.9 complete;
- **dark green**: 100.0 complete.

Also shown is the percentage of deaths notified within 7 days and 30 days, by reporting Trust and Health Board.

**Table 64: Timeliness of notification and completeness of selected data items reported to MBRRACE-UK by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency: United Kingdom and Crown Dependencies, for births in 2020**

Trust or Health Board	Overall completeness %							
	Percentage of deaths notified within 7 days	Percentage of deaths notified within 30 days	Mother's details	Booking information	Antenatal care	Birth and baby's characteristics for stillbirths	Birth and baby's characteristics for neonatal deaths	Baby's outcome
<b>ENGLAND</b>								
Airedale NHS Foundation Trust	25.0	37.5	62.5	70.8	100	100	*	91.7
Ashford & St Peter's Hospital NHS Foundation Trust	66.7	95.2	71.6	62.1	86.4	100	98.3	97
Barking Havering & Redbridge University Hospitals NHS Trust	96.8	100	91.1	86	100	100	100	95.7
Barnsley Hospital NHS Foundation Trust	50.0	100	84.4	79.2	93.8	100	100	95.8
Barts Health NHS Trust	31.4	61.9	86.4	83.6	100	100	100	96
Bedfordshire Hospitals NHS Foundation Trust	62.0	82.0	79	86.7	99	100	100	96.7
Birmingham Women's and Children's NHS Foundation Trust	62.8	88.5	76	81.2	98.7	100	99.1	97
Blackpool Teaching Hospitals NHS Foundation Trust	85.7	100	94.6	90.5	92.9	100	100	95.2
Bolton NHS Foundation Trust	54.1	94.6	70.1	85.2	88.9	97.5	94.4	90.7
Bradford Teaching Hospitals NHS Foundation Trust	93.2	93.2	72.9	78	94.9	100	100	94.9
Buckinghamshire Healthcare NHS Trust	18.5	81.5	72.3	73.8	96.4	100	100	90.5
Calderdale & Huddersfield NHS Foundation Trust	90.0	90.0	68.8	76.7	97.5	100	100	91.7
Cambridge University Hospitals NHS Foundation Trust	94.9	100	88.5	87.2	94.9	100	100	97.4
Chelsea and Westminster Hospital NHS Foundation Trust	71.7	94.3	75	86.8	98.1	99.4	100	95.6
Chesterfield Royal Hospital NHS Foundation Trust	100	100	85	66.7	100	100	100	100
Countess of Chester Hospital NHS Foundation Trust	62.5	100	71.9	79.2	93.8	100	*	95.8
County Durham & Darlington NHS Foundation Trust	82.4	100	79.2	87	88.9	98.8	100	96.3
Croydon Health Services NHS Trust	92.6	100	75	79	96.3	100	100	92.6
Dartford & Gravesham NHS Trust	100	100	91.7	84.4	100	100	*	88.9

Trust or Health Board	Overall completeness %							
	Percentage of deaths notified within 7 days	Percentage of deaths notified within 30 days	Mother's details	Booking information	Antenatal care	Birth and baby's characteristics for stillbirths	Birth and baby's characteristics for neonatal deaths	Baby's outcome
Doncaster and Bassetlaw Teaching Hospitals NHS Foundation Trust	68.4	94.7	96.1	89.5	94.7	100	100	98.2
Dorset County Hospital NHS Foundation Trust	57.1	100	100	100	100	100	100	100
East and North Hertfordshire NHS Trust	53.3	93.3	75	83.3	100	100	*	100
East Cheshire NHS Trust	50.0	50.0	62.9	78.8	87.9	99.2	100	94.9
East Kent Hospitals University NHS Foundation Trust	87.9	97.0	71.3	84.3	100	100	100	95.1
East Lancashire Hospitals NHS Trust	60.0	85.7	82.4	90.2	97.1	98.7	100	96.1
East Suffolk and North Essex NHS Foundation Trust	58.8	91.2	78.6	81	100	100	*	95.2
East Sussex Healthcare NHS Trust	85.7	100	83.3	93.3	100	100	*	95.6
Epsom and St Helier University Hospitals NHS Trust	84.6	100	77.1	75	100	100	100	97.2
Frimley Health NHS Foundation Trust	73.9	95.7	89.1	84.1	97.8	100	100	95.7
Gateshead Health NHS Foundation Trust	75.0	100	68.8	83.3	62.5	100	*	91.7
George Eliot Hospital NHS Trust	30.0	100	75	80	90	96.3	*	100
Gloucestershire Hospitals NHS Foundation Trust	79.2	91.7	85.4	75	93.8	99.1	100	94.4
Great Western Hospitals NHS Foundation Trust	71.4	100	75	81	82.1	95.8	94.4	90.5
Guy's and St Thomas' NHS Foundation Trust	56.5	93.5	70.8	75.4	93.8	100	91	92.8
Hampshire Hospitals NHS Foundation Trust	40.0	73.3	75	82.2	100	100	100	100
Harrogate and District NHS Foundation Trust	50.0	100	75	100	100	100	*	100
Homerton University Hospital NHS Foundation Trust	80.0	98.2	70.9	83	96.4	100	100	92.7
Hull University Teaching Hospitals NHS Trust	94.4	97.2	80.6	87	94.4	99	100	93.5
Imperial College Healthcare NHS Trust	84.6	98.7	73.1	75.2	97.4	99.6	98.7	95.7
Isle of Wight NHS Trust	100	100	95.8	83.3	100	100	100	100
James Paget University Hospitals NHS Foundation Trust	72.7	81.8	93.2	78.8	90.9	96.3	100	93.9
Kettering General Hospital NHS Foundation Trust	100	100	88.3	80	86.7	98.3	100	91.1
King's College Hospital NHS Foundation Trust	58.5	92.7	70.8	85.7	100	100	98.6	94.4
Kingston Hospital NHS Trust	55.6	100	86.1	77.8	100	100	100	96.3
Lancashire Teaching Hospitals NHS Foundation Trust	90.3	100	86.3	75.3	95.2	98.3	100	98.9
Lewisham and Greenwich NHS trust	27.1	52.1	71.9	80.6	95.8	100	100	95.1
Liverpool Women's NHS Foundation Trust	84.3	98.6	75.7	77.5	95.6	100	100	97.5

Trust or Health Board	Overall completeness %							
	Percentage of deaths notified within 7 days	Percentage of deaths notified within 30 days	Mother's details	Booking information	Antenatal care	Birth and baby's characteristics for stillbirths	Birth and baby's characteristics for neonatal deaths	Baby's outcome
London North West University Healthcare NHS Trust	35.5	87.1	75.8	68.8	95.2	100	83.3	98.9
Maidstone and Tunbridge Wells NHS Trust	84.6	100	73.1	82.1	92.3	98.5	100	89.7
Manchester University NHS Foundation Trust	69.4	84.7	76.3	71.1	94.4	98.3	96.9	94.2
Medway NHS Foundation Trust	58.6	79.3	87.9	80.5	94.8	100	100	96.6
Mid and South Essex NHS Foundation Trust	64.7	88.2	82.1	81	100	100	100	97.6
Mid Cheshire Hospitals NHS Foundation Trust	50.0	92.9	80.9	77.8	97.1	99.6	100	96.1
Milton Keynes Hospital NHS Foundation Trust	53.8	92.3	75	87.2	100	100	100	100
Norfolk and Norwich University Hospitals NHS Foundation Trust	57.7	80.8	92	80	92	100	97.6	97.3
North Bristol NHS Trust	57.7	100	84.6	82.1	100	100	100	92.3
North Cumbria Integrated Care NHS Foundation Trust	42.1	94.7	75	78.9	94.7	98.9	100	93
North Middlesex University Hospital NHS Trust	80.0	100	87.5	86.7	100	100	100	95
North Tees & Hartlepool NHS Foundation Trust	25.0	50.0	75	77.8	100	100	*	88.9
North West Anglia NHS Foundation Trust	94.4	100	87.5	79.6	100	100	100	96.3
Northampton General Hospital NHS Trust	42.1	94.7	81.6	84.2	100	100	100	94.7
Northern Devon Healthcare NHS Trust	100	100	82.1	85.7	100	100	*	90.5
Northern Lincolnshire and Goole Hospitals NHS Foundation Trust	100	100	79.3	85.5	97.8	100	100	97.1
Northumbria Healthcare NHS Foundation Trust	100	100	85	73.3	80	95.8	*	90
Nottingham University Hospitals NHS Trust	71.2	87.9	79.2	71.3	91.5	100	100	95.9
Oxford University Hospitals NHS Trust	50.8	95.1	79.2	72.8	95.8	100	100	95.6
Portsmouth Hospitals University NHS Trust	88.0	96.0	87	88	96	100	100	98.7
Royal Berkshire NHS Foundation Trust	100	100	72.9	77.8	91.7	100	100	95.8
Royal Cornwall Hospitals NHS Trust	100	100	96.3	80	85	96.7	100	96.7
Royal Devon & Exeter NHS Foundation Trust	58.3	66.7	91.7	88.9	95.8	100	100	97.2
Royal Free London NHS Foundation Trust	55.6	88.9	75	76.5	100	98.5	100	93.8
Royal Surrey NHS Foundation Trust	66.7	100	75	88.9	100	100	100	94.4
Royal United Hospital Bath NHS Trust	92.3	100	90.4	76.9	92.3	100	83.3	92.3
Salisbury NHS Foundation Trust	53.8	92.3	73.1	69.2	92.3	98.3	100	100
Sandwell & West Birmingham Hospitals NHS Trust	95.6	100	84.4	80.7	98.9	100	100	98.5

Trust or Health Board	Overall completeness %							
	Percentage of deaths notified within 7 days	Percentage of deaths notified within 30 days	Mother's details	Booking information	Antenatal care	Birth and baby's characteristics for stillbirths	Birth and baby's characteristics for neonatal deaths	Baby's outcome
Sheffield Teaching Hospitals NHS Foundation Trust	39.6	71.7	71.7	74.8	96.2	97.8	98.9	92.5
Sherwood Forest Hospitals NHS Foundation Trust	82.4	100	86.8	98	100	100	100	98
Somerset NHS Foundation Trust	80.0	93.3	73.3	88.9	100	100	100	95.6
South Tees Hospitals NHS Foundation Trust	50.0	89.3	72.3	82.1	96.4	100	100	96.4
South Tyneside and Sunderland NHS Foundation Trust	91.7	100	63	81.2	100	98.5	100	94.2
South Warwickshire NHS Foundation Trust	62.5	87.5	68.8	66.7	100	100	*	87.5
Southport & Ormskirk Hospital NHS Trust	41.7	91.7	89.6	83.3	91.7	100	100	91.7
St George's University Hospitals NHS Foundation Trust	51.6	82.8	75	68.8	89.8	99.4	100	96.9
St Helens & Knowsley Teaching Hospitals NHS Trust	85.7	100	80.4	90.5	100	100	*	92.9
Stockport NHS Foundation Trust	45.5	63.6	89.6	63.9	87.5	95.8	100	86.1
Surrey & Sussex Healthcare NHS Trust	28.6	42.9	71.4	66.7	100	100	100	85.7
Tameside and Glossop Integrated Care NHS Foundation Trust	83.3	83.3	68.8	66.7	100	100	*	97.2
The Dudley Group NHS Foundation Trust	66.7	90.5	88.1	77.8	90.5	96.7	100	98.4
The Hillingdon Hospitals NHS Foundation Trust	45.0	95.0	70	68.3	85	98.6	94.4	93.3
The Leeds Teaching Hospitals NHS Trust	44.9	78.2	77.6	76.5	94.2	99.4	98.3	97
The Mid Yorkshire Hospitals NHS Trust	26.1	65.2	76.1	76.8	97.8	100	100	97.1
The Newcastle upon Tyne Hospitals NHS Foundation Trust	63.5	90.4	70.3	72.3	90.6	99.3	100	95
The Pennine Acute Hospitals NHS Trust	52.3	81.8	90.9	84.1	94.3	99	100	97
The Portland (HCA Health Care)	0.0	0.0	75	100	100	100	*	66.7
The Princess Alexandra Hospital NHS Trust	20.0	100	68.3	75.6	93.3	100	100	97.8
The Queen Elizabeth Hospital King's Lynn NHS Foundation Trust	100	100	70.5	84.8	95.5	97.9	100	93.9
The Rotherham NHS Foundation Trust	84.6	92.3	84.6	79.5	92.3	100	100	94.9
The Royal Wolverhampton Hospitals NHS Trust	93.2	97.7	84.3	91.5	93	98.3	100	97.7
The Shrewsbury and Telford Hospital NHS Trust	94.4	100	72.2	92.6	100	100	100	96.3
Torbay and South Devon NHS Foundation Trust	71.4	100	85.7	90.5	85.7	100	100	90.5
United Lincolnshire Hospitals NHS Trust	82.4	100	76.5	88.2	100	100	100	94.1
University College London Hospitals NHS Foundation Trust	81.0	95.2	76.8	69	95.2	100	100	92.9
University Hospital Southampton NHS Foundation Trust	88.4	100	83.7	72.1	88.4	100	100	98.4

Trust or Health Board	Overall completeness %							
	Percentage of deaths notified within 7 days	Percentage of deaths notified within 30 days	Mother's details	Booking information	Antenatal care	Birth and baby's characteristics for stillbirths	Birth and baby's characteristics for neonatal deaths	Baby's outcome
University Hospitals Birmingham NHS Foundation Trust	85.5	93.5	79	81.7	92.7	99.4	99.1	95.2
University Hospitals Bristol and Weston NHS Foundation Trust	46.7	77.8	79.9	79	92.4	100	100	98.6
University Hospitals Coventry & Warwickshire NHST	58.3	91.7	76	68.8	88.5	98.8	100	95.1
University Hospitals Dorset NHS Foundation Trust	72.0	92.0	77	90.7	96	97.9	100	96
University Hospitals of Derby and Burton NHS Foundation Trust	62.8	81.4	76.3	70.2	92.1	100	98.7	100
University Hospitals of Leicester NHS Trust	50.0	93.9	80.1	76.9	99	100	100	95.9
University Hospitals of Morecambe Bay NHS Foundation Trust	87.5	100	72.7	74.4	93	98.1	100	94.6
University Hospitals of North Midlands NHS Trust	100	100	77.1	77.6	97.6	100	99	98
University Hospitals Plymouth NHS Trust	47.4	68.4	78.1	79.2	93.8	100	100	95.8
University Hospitals Sussex NHS Foundation Trust	98.0	100	89.4	83	95.7	99.2	100	94.3
Walsall Healthcare NHS Trust	91.3	100	82.6	84.1	100	100	100	95.7
Warrington and Halton Teaching Hospitals NHS Foundation Trust	82.4	100	92.6	72.5	88.2	98.7	100	96.1
West Hertfordshire Hospitals NHS Trust	70.0	100	75	83.3	90	100	83.3	90
West Suffolk NHS Foundation Trust	57.1	85.7	78.6	81	100	100	100	100
Whittington Health	52.9	82.4	83.8	98	100	100	100	98
Wirral University Teaching Hospital NHS Foundation Trust	90.5	95.2	72.4	71.9	94.7	100	100	96.5
Worcestershire Acute Hospitals NHS Trust	64.5	90.3	86.7	83.3	100	100	100	91.7
Wrightington, Wigan & Leigh NHS Foundation Trust	33.3	93.3	90	82.2	100	100	100	93.3
Wye Valley NHS Trust	100	100	87.5	91.7	100	100	*	100
Yeovil District Hospital NHS Foundation Trust	37.5	87.5	87.5	87.5	100	100	100	95.8
York Teaching Hospital NHS Foundation Trust	70.0	90.0	90	86.7	100	100	100	98.3
<b>SCOTLAND</b>								
NHS Ayrshire & Arran	83.3	91.7	89.6	91.7	100	100	100	97.2
NHS Borders	0.0	100	75	83.3	100	100	*	100
NHS Dumfries & Galloway	0.0	66.7	75	77.8	100	100	*	77.8
NHS Fife	35.0	90.0	75	82.5	100	98.8	100	94.7
NHS Forth Valley	0.0	70.0	75	83.3	100	97.2	100	86.7
NHS Grampian	84.6	92.3	76	82.7	90	96.7	100	97.3



Trust or Health Board	Overall completeness %							
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NHS Greater Glasgow and Clyde	9.4	37.5	75.8	74	90.6	98.5	100	98.6
NHS Highland	76.9	100	73.1	79.5	80.8	90.5	100	84.6
NHS Lanarkshire	86.2	96.6	75	75.9	93.1	98.2	100	95.4
NHS Lothian	89.1	97.8	72.3	86.2	97.8	99.4	100	96.4
NHS Orkney	No deaths reported by this organisation							
NHS Shetland	No deaths reported by this organisation							
NHS Tayside	80.0	96.0	70.2	71.8	94.2	100	100	98.7
NHS Western Isles	0.0	0.0	75	100	100	100	*	100
<b>WALES</b>								
Aneurin Bevan University Health Board	0.0	38.5	77	65.3	90	98.7	100	97.3
Betsi Cadwaladr University Health Board	40.7	81.5	74.1	70.4	96.3	100	100	95.1
Cardiff and Vale University Health Board	60.0	92.5	82.9	80.5	92.7	100	99.1	95.9
Cwm Taf Morgannwg University Health Board	47.8	73.9	73.9	80.3	95.5	98.1	*	100
Hywel Dda University Health Board	58.8	94.1	75	90.2	100	100	100	88.2
Swansea Bay University Health Board	57.1	82.1	77.7	78.6	91.1	99.2	100	100
<b>NORTHERN IRELAND</b>								
Belfast Health and Social Care Trust	38.1	87.3	83.7	72.7	100	99.2	100	97
Northern Health and Social Care Trust	33.3	77.8	97.5	66.7	100	100	100	93.3
South Eastern Health and Social Care Trust	70.0	90.0	81.9	75.9	91.7	98.3	100	94.4
Southern Health and Social Care Trust	33.3	72.7	96.1	77.1	96.9	98.4	100	99
Western Health and Social Care Trust	8.7	60.9	82.6	63.8	100	100	100	94.2
<b>CROWN DEPENDENCIES</b>								
Isle of Man Department of Health and Social Care	No deaths reported by this organisation							
States of Guernsey Health and Social Services	0.0	33.3	100	100	100	100	66.7	77.8
States of Jersey Health and Social Services	50.0	50.0	100	100	100	100	50	66.7

\* no eligible deaths were reported by this organisation  
Data source: MBRRACE-UK

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## Change log

Version number	Change	Date
1.0	First published	13 <sup>th</sup> October 2022
1.1	Figure 6 percentages revised for 2020	27 <sup>th</sup> January 2023

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