

Maternal, Newborn and  
Infant Clinical Outcome  
Review Programme



# MBRRACE-UK Perinatal Mortality Surveillance Report

UK Perinatal Deaths for Births from  
January to December 2018

## Tables and Figures



December 2020





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Tables and Figures

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December 2020

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# 1. Perinatal mortality rates in the UK: 2018

## 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 2018

Number <sup>§</sup>	UK <sup>^</sup>	England	Scotland	Wales	Northern Ireland <sup>°</sup>	Crown Dep.
<b>Total births</b>	<b>735,745</b>	<b>627,665</b>	<b>51,479</b>	<b>31,399</b>	<b>23,008</b>	<b>2,177</b>
<b>Live births</b>	<b>733,166</b>	<b>625,455</b>	<b>51,313</b>	<b>31,280</b>	<b>22,929</b>	<b>2,172</b>
<b>Stillbirths</b>	<b>2,579</b>	<b>2,210</b>	<b>166</b>	<b>119</b>	<b>79</b>	<b>5</b>
Antepartum	2,258	1,939	144	103	68	4
Intrapartum	226	198	13	8	7	0
Unknown timing	95	73	9	8	4	1
<b>Neonatal deaths</b>	<b>1,199</b>	<b>1,021</b>	<b>70</b>	<b>61</b>	<b>47</b>	<b>0</b>
Early neonatal deaths	824	697	44	46	37	0
Late neonatal deaths	375	324	26	15	10	0
<b>Perinatal deaths</b>	<b>3,403</b>	<b>2,907</b>	<b>210</b>	<b>165</b>	<b>116</b>	<b>5</b>
<b>Extended perinatal deaths</b>	<b>3,778</b>	<b>3,231</b>	<b>236</b>	<b>180</b>	<b>126</b>	<b>5</b>

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

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

<sup>°</sup> different laws exist in Northern Ireland for the termination of pregnancy

Data sources: MBRRACE-UK, ONS, PDS, NRS, ISD, 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 2018**

Rate per 1,000 births <sup>§</sup>	UK <sup>^</sup>	England	Scotland	Wales	Northern Ireland <sup>°</sup>	Crown Dep.
<b>Stillbirths<sup>†</sup></b>	<b>3.51</b>	<b>3.52</b>	<b>3.22</b>	<b>3.79</b>	<b>3.43</b>	<b>2.30</b>
	<b>(3.37 to 3.64)</b>	<b>(3.37 to 3.67)</b>	<b>(2.73 to 3.71)</b>	<b>(3.11 to 4.47)</b>	<b>(2.68 to 4.19)</b>	<b>(0.29 to 4.31)</b>
Antepartum <sup>†</sup>	3.07	3.09	2.80	3.28	2.96	1.84
	(2.94 to 3.20)	(2.95 to 3.23)	(2.34 to 3.25)	(2.65 to 3.91)	(2.25 to 3.66)	(0.04 to 3.64)
Intrapartum <sup>†</sup>	0.31	0.32	0.25	0.25	0.30	0.00
	(0.27 to 0.35)	(0.27 to 0.36)	(0.12 to 0.39)	(0.08 to 0.43)	(0.08 to 0.53)	(0.00 to 1.38)
Unknown timing <sup>†</sup>	0.13	0.12	0.17	0.25	0.17	0.46
	(0.10 to 0.16)	(0.09 to 0.14)	(0.06 to 0.29)	(0.08 to 0.43)	(0.00 to 0.34)	(0.00 to 1.36)
<b>Neonatal deaths<sup>‡</sup></b>	<b>1.64</b>	<b>1.63</b>	<b>1.36</b>	<b>1.95</b>	<b>2.05</b>	<b>0.00</b>
	<b>(1.54 to 1.73)</b>	<b>(1.53 to 1.73)</b>	<b>(1.04 to 1.68)</b>	<b>(1.46 to 2.44)</b>	<b>(1.46 to 2.64)</b>	<b>(0.00 to 1.38)</b>
Early neonatal deaths <sup>‡</sup>	1.12	1.11	0.86	1.47	1.61	0.00
	(1.05 to 1.20)	(1.03 to 1.20)	(0.60 to 1.11)	(1.05 to 1.90)	(1.09 to 2.13)	(0.00 to 1.38)
Late neonatal deaths <sup>‡</sup>	0.51	0.52	0.51	0.48	0.44	0.00
	(0.46 to 0.56)	(0.46 to 0.57)	(0.31 to 0.7)	(0.24 to 0.72)	(0.17 to 0.71)	(0.00 to 1.38)
<b>Perinatal deaths<sup>†</sup></b>	<b>4.63</b>	<b>4.63</b>	<b>4.08</b>	<b>5.25</b>	<b>5.04</b>	<b>2.30</b>
	<b>(4.47 to 4.78)</b>	<b>(4.46 to 4.8)</b>	<b>(3.53 to 4.63)</b>	<b>(4.46 to 6.05)</b>	<b>(4.13 to 5.96)</b>	<b>(0.29 to 4.31)</b>
<b>Extended perinatal deaths<sup>†</sup></b>	<b>5.13</b>	<b>5.15</b>	<b>4.58</b>	<b>5.73</b>	<b>5.48</b>	<b>2.30</b>
	<b>(4.97 to 5.3)</b>	<b>(4.97 to 5.32)</b>	<b>(4 to 5.17)</b>	<b>(4.9 to 6.57)</b>	<b>(4.52 to 6.43)</b>	<b>(0.29 to 4.31)</b>

<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> different laws exist in Northern Ireland for the termination of pregnancy

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

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

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**Table 3: Number of births, stillbirths, neonatal deaths, and extended perinatal deaths by gestational age at birth: United Kingdom and Crown Dependencies, for births in 2018**

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> <sup>°</sup>	≥42 <sup>+0</sup>
<b>Total births</b>	<b>1,022</b>	<b>3,064</b>	<b>6,083</b>	<b>48,189</b>	<b>637,280</b>	<b>14,307</b>
<b>Live births</b>	<b>514</b>	<b>2,399</b>	<b>5,616</b>	<b>47,531</b>	<b>636,508</b>	<b>14,292</b>
<b>Stillbirths</b>	<b>508</b>	<b>665</b>	<b>467</b>	<b>658</b>	<b>772</b>	<b>15</b>
Antepartum	317	563	423	604	656	11
Intrapartum	134	73	31	33	85	4
Unknown timing	57	29	13	21	31	0
<b>Neonatal deaths</b>	<b>356</b>	<b>342</b>	<b>167</b>	<b>244</b>	<b>431</b>	<b>13</b>
Early neonatal deaths	297	225	130	179	278	10
Late neonatal deaths	59	117	37	65	153	3
<b>Perinatal deaths</b>	<b>805</b>	<b>890</b>	<b>597</b>	<b>837</b>	<b>1,050</b>	<b>25</b>
<b>Extended perinatal deaths</b>	<b>864</b>	<b>1,007</b>	<b>634</b>	<b>902</b>	<b>1,203</b>	<b>28</b>

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

<sup>°</sup> births with missing information for gestational ages were excluded (n=26,822)

Data sources: MBRRACE-UK, ONS, PDS, NRS, ISD, 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 2018**

Rate per 1,000 births <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	4.12 (3.98 to 4.326)	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 5.5)	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)
<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 (2.5 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)
<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 67.15)	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 5.3)	5.15 (4.97 to 5.32)	4.58 (4 to 5.17)	5.73 (4.9 to 6.57)	5.48 (4.52 to 6.43)	2.30 (0.29 to 4.31)

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

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

<sup>°</sup> different laws exist in Northern Ireland for the termination of pregnancy

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

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

**Table 5: Stillbirth, neonatal, and extended perinatal mortality rates (95% CIs) by gestational age at birth: United Kingdom and Crown Dependencies, for births in 2018**

Rate per 1,000 births <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> <sup>°</sup>	≥42 <sup>+0</sup>
<b>Stillbirths<sup>†</sup></b>	<b>497.06</b>	<b>217.04</b>	<b>76.77</b>	<b>13.65</b>	<b>1.21</b>	<b>1.05</b>
	(466.4 to 527.7)	(202.4 to 231.6)	(70.1 to 83.5)	(12.6 to 14.7)	(1.1 to 1.3)	(0.5 to 1.6)
Antepartum <sup>†</sup>	310.18	183.75	69.54	12.53	1.03	0.77
	(281.8 to 338.5)	(170 to 197.5)	(63.1 to 75.9)	(11.5 to 13.5)	(1 to 1.1)	(0.3 to 1.2)
Intrapartum <sup>†</sup>	131.12	23.83	5.10	0.68	0.13	0.28
	(110.4 to 151.8)	(18.4 to 29.2)	(3.3 to 6.9)	(0.5 to 0.9)	(0.1 to 0.2)	(0 to 0.6)
Unknown timing <sup>†</sup>	55.77	9.46	2.14	0.44	0.05	0.00
	(41.7 to 69.8)	(6 to 12.9)	(1 to 3.3)	(0.2 to 0.6)	(0 to 0.1)	(0 to 0)
<b>Neonatal deaths<sup>‡</sup></b>	<b>692.61</b>	<b>142.56</b>	<b>29.74</b>	<b>5.13</b>	<b>0.68</b>	<b>0.91</b>
	(652.7 to 732.5)	(128.6 to 156.6)	(25.3 to 34.2)	(4.5 to 5.8)	(0.6 to 0.7)	(0.4 to 1.4)
Early neonatal deaths <sup>‡</sup>	577.82	93.79	23.15	3.77	0.44	0.70
	(535.1 to 620.5)	(82.1 to 105.5)	(19.2 to 27.1)	(3.2 to 4.3)	(0.4 to 0.5)	(0.3 to 1.1)
Late neonatal deaths <sup>‡</sup>	114.79	48.77	6.59	1.37	0.24	0.21
	(87.2 to 142.3)	(40.2 to 57.4)	(4.5 to 8.7)	(1 to 1.7)	(0.2 to 0.3)	(0 to 0.4)
<b>Perinatal deaths<sup>†</sup></b>	<b>787.67</b>	<b>290.47</b>	<b>98.14</b>	<b>17.37</b>	<b>1.65</b>	<b>1.75</b>
	(762.6 to 812.7)	(274.4 to 306.5)	(90.7 to 105.6)	(16.2 to 18.5)	(1.5 to 1.7)	(1.1 to 2.4)
<b>Extended perinatal deaths<sup>†</sup></b>	<b>845.40</b>	<b>328.66</b>	<b>104.22</b>	<b>18.72</b>	<b>1.89</b>	<b>1.96</b>
	(823.2 to 867.6)	(312 to 345.3)	(96.5 to 111.9)	(17.5 to 19.9)	(1.8 to 2)	(1.2 to 2.7)

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

<sup>°</sup> births with missing information for gestational ages were excluded (n=26,822)

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

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

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**Table 6: Number and percentage of stillbirths by gestational age at birth: United Kingdom and Crown Dependencies, for births from 2014 to 2018**

Gestational age at birth (weeks)		2014	2015	2016	2017	2018
22 <sup>+0</sup> -23 <sup>+6</sup>	Births <sup>§</sup>	1,010	1,001	1,040	1,078	1,022
	Stillbirths N (%)	499 (13.4)	524 (14.7)	529 (14.7)	530 (15.7)	508 (16.5)
24 <sup>+0</sup> -27 <sup>+6</sup>	Births <sup>§</sup>	3,192	3,221	3,269	3,227	3,064
	Stillbirths N (%)	722 (19.4)	733 (20.6)	717 (19.9)	710 (21.1)	665 (21.6)
28 <sup>+0</sup> -31 <sup>+6</sup>	Births <sup>§</sup>	6,469	6,558	6,620	6,540	6,083
	Stillbirths N (%)	537 (14.4)	495 (13.9)	512 (14.2)	482 (14.3)	467 (15.1)
32 <sup>+0</sup> -36 <sup>+6</sup>	Births <sup>§</sup>	49,385	49,652	50,371	50,296	48,189
	Stillbirths N (%)	802 (21.5)	762 (21.4)	786 (21.9)	730 (21.7)	658 (21.3)
37 <sup>+0</sup> -41 <sup>+6</sup>	Births <sup>§</sup>	700,709	704,733	678,093	660,980	637,280
	Stillbirths N (%)	1143 (30.7)	1025 (28.8)	1031 (28.7)	894 (26.5)	772 (25)
≥42	Births <sup>§</sup>	21,854	18,980	18,277	16,212	14,307
	Stillbirths N (%)	21 (0.6)	15 (0.4)	19 (0.5)	22 (0.7)	15 (0.5)
<b>Total births</b>		<b>782,619</b>	<b>784,145</b>	<b>757,670</b>	<b>738,333</b>	<b>709,945</b>

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

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

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

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**Table 7: Stillbirth rates by gestational age at birth: United Kingdom and Crown Dependencies, for births from 2014 to 2018**

Gestational age at birth (weeks)		2014	2015	2016	2017	2018
22 <sup>+0</sup> -23 <sup>+6</sup>	Births <sup>§</sup>	1,010	1,001	1,040	1,078	1,022
	Rates per 1,000 births <sup>†</sup>	494.1	523.5	508.7	491.7	497.1
24 <sup>+0</sup> -27 <sup>+6</sup>	Births <sup>§</sup>	3,192	3,221	3,269	3,227	3,064
	Rates per 1,000 births <sup>†</sup>	226.2	227.6	219.3	220.0	217.0
28 <sup>+0</sup> -31 <sup>+6</sup>	Births <sup>§</sup>	6,469	6,558	6,620	6,540	6,083
	Rates per 1,000 births <sup>†</sup>	83.0	75.5	77.3	73.7	76.8
32 <sup>+0</sup> -36 <sup>+6</sup>	Births <sup>§</sup>	49,385	49,652	50,371	50,296	48,189
	Rates per 1,000 births <sup>†</sup>	16.2	15.3	15.6	14.5	13.7
37 <sup>+0</sup> -41 <sup>+6</sup>	Births <sup>§</sup>	700,709	704,733	678,093	660,980	637,280
	Rates per 1,000 births <sup>†</sup>	1.6	1.5	1.5	1.4	1.2
≥42	Births <sup>§</sup>	21,854	18,980	18,277	16,212	14,307
	Rates per 1,000 births <sup>†</sup>	1.0	0.8	1.0	1.4	1.1
<b>Total births</b>		<b>782,619</b>	<b>784,145</b>	<b>757,670</b>	<b>738,333</b>	<b>709,945</b>

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

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

Data sources: MBRRACE-UK, PDS, ONS, NRS, ISD, 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 2014 to 2018**

Gestational age at birth (weeks)		2014	2015	2016	2017	2018
22 <sup>+0</sup> -23 <sup>+6</sup>	Live births <sup>§</sup>	511	477	511	548	514
	Neonatal deaths N (%)	376 (21.5)	342 (20.1)	360 (21.3)	386 (23.4)	356 (22.9)
24 <sup>+0</sup> -27 <sup>+6</sup>	Live births <sup>§</sup>	2,470	2,488	2,552	2,517	2,399
	Neonatal deaths N (%)	384 (21.9)	383 (22.5)	404 (23.9)	365 (22.2)	342 (22)
28 <sup>+0</sup> -31 <sup>+6</sup>	Live births <sup>§</sup>	5,932	6,063	6,108	6,058	5,616
	Neonatal deaths N (%)	182 (10.4)	205 (12)	177 (10.5)	187 (11.4)	167 (10.8)
32 <sup>+0</sup> -36 <sup>+6</sup>	Live births <sup>§</sup>	48,583	48,890	49,585	49,566	47,531
	Neonatal deaths N (%)	305 (17.4)	271 (15.9)	275 (16.2)	270 (16.4)	244 (15.7)
37 <sup>+0</sup> -41 <sup>+6</sup>	Live births <sup>§</sup>	699,566	703,708	677,062	660,086	636,508
	Neonatal deaths N (%)	493 (28.2)	495 (29.1)	468 (27.6)	428 (26)	431 (27.8)
≥42	Live births <sup>§</sup>	21,833	18,965	18,258	16,190	14,292
	Neonatal deaths N (%)	10 (0.6)	7 (0.4)	9 (0.5)	11 (0.7)	13 (0.8)
<b>Total births</b>		<b>778,895</b>	<b>780,591</b>	<b>754,076</b>	<b>734,965</b>	<b>706,860</b>

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

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

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

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**Table 9: Neonatal mortality rates by gestational age at birth: United Kingdom and Crown Dependencies, for births from 2014 to 2018**

Gestational age at birth (weeks)		2014	2015	2016	2017	2018
22 <sup>+0</sup> -23 <sup>+6</sup>	Live births <sup>§</sup>	511	477	511	548	514
	Rates per 1,000 births <sup>‡</sup>	735.8	717.0	704.5	704.4	692.6
24 <sup>+0</sup> -27 <sup>+6</sup>	Live births <sup>§</sup>	2,470	2,488	2,552	2,517	2,399
	Rates per 1,000 births <sup>‡</sup>	155.5	153.9	158.3	145.0	142.6
28 <sup>+0</sup> -31 <sup>+6</sup>	Live births <sup>§</sup>	5,932	6,063	6,108	6,058	5,616
	Rates per 1,000 births <sup>‡</sup>	30.7	33.8	29.0	30.9	29.7
32 <sup>+0</sup> -36 <sup>+6</sup>	Live births <sup>§</sup>	48,583	48,890	49,585	49,566	47,531
	Rates per 1,000 births <sup>‡</sup>	6.3	5.5	5.5	5.4	5.1
37 <sup>+0</sup> -41 <sup>+6</sup>	Live births <sup>§</sup>	699,566	703,708	677,062	660,086	636,508
	Rates per 1,000 births <sup>‡</sup>	0.7	0.7	0.7	0.6	0.7
≥42	Births <sup>§</sup>	21,833	18,965	18,258	16,190	14,292
	Rates per 1,000 births <sup>‡</sup>	0.5	0.4	0.5	0.7	0.9
<b>Total births</b>		<b>778,895</b>	<b>780,591</b>	<b>754,076</b>	<b>734,965</b>	<b>706,860</b>

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

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

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

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**Table 10: Number and percentage of extended perinatal deaths by gestational age at birth: United Kingdom and Crown Dependencies, for births from 2014 to 2018**

Gestational age at birth (weeks)		2014	2015	2016	2017	2018
22 <sup>+0</sup> -23 <sup>+6</sup>	Births <sup>§</sup>	1,010	1,001	1,040	1,078	1,022
	Extended perinatal deaths N (%)	875 (16)	866 (16.5)	889 (16.8)	916 (18.3)	864 (18.6)
24 <sup>+0</sup> -27 <sup>+6</sup>	Births <sup>§</sup>	3,192	3,221	3,269	3,227	3,064
	Extended perinatal deaths N (%)	1106 (20.2)	1116 (21.2)	1121 (21.2)	1075 (21.4)	1007 (21.7)
28 <sup>+0</sup> -31 <sup>+6</sup>	Births <sup>§</sup>	6,469	6,558	6,620	6,540	6,083
	Extended perinatal deaths N (%)	719 (13.1)	700 (13.3)	689 (13)	669 (13.3)	634 (13.7)
32 <sup>+0</sup> -36 <sup>+6</sup>	Births <sup>§</sup>	49,385	49,652	50,371	50,296	48,189
	Extended perinatal deaths N (%)	1107 (20.2)	1033 (19.6)	1061 (20.1)	1000 (19.9)	902 (19.4)
37 <sup>+0</sup> -41 <sup>+6</sup>	Births <sup>§</sup>	700,709	704,733	678,093	660,980	637,280
	Extended perinatal deaths N (%)	1636 (29.9)	1520 (28.9)	1499 (28.4)	1322 (26.4)	1203 (25.9)
≥42	Births <sup>§</sup>	21,854	18,980	18,277	16,212	14,307
	Extended perinatal deaths N (%)	31 (0.6)	22 (0.4)	28 (0.5)	33 (0.7)	28 (0.6)
<b>Total births</b>		<b>782,619</b>	<b>784,145</b>	<b>757,670</b>	<b>738,333</b>	<b>709,945</b>

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

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

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

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**Table 11: Extended perinatal mortality rates by gestational age at birth: United Kingdom and Crown Dependencies, for births from 2014 to 2018**

Gestational age at birth (weeks)		2014	2015	2016	2017	2018
22 <sup>+0</sup> -23 <sup>+6</sup>	Births <sup>§</sup>	1,010	1,001	1,040	1,078	1,022
	Rates per 1,000 births <sup>†</sup>	866.3	865.1	854.8	849.7	845.4
24 <sup>+0</sup> -27 <sup>+6</sup>	Births <sup>§</sup>	3,192	3,221	3,269	3,227	3,064
	Rates per 1,000 births <sup>†</sup>	346.5	346.5	342.9	333.1	328.7
28 <sup>+0</sup> -31 <sup>+6</sup>	Births <sup>§</sup>	6,469	6,558	6,620	6,540	6,083
	Rates per 1,000 births <sup>†</sup>	111.1	106.7	104.1	102.3	104.2
32 <sup>+0</sup> -36 <sup>+6</sup>	Births <sup>§</sup>	49,385	49,652	50,371	50,296	48,189
	Rates per 1,000 births <sup>†</sup>	22.4	20.8	21.1	19.9	18.7
37 <sup>+0</sup> -41 <sup>+6</sup>	Births <sup>§</sup>	700,709	704,733	678,093	660,980	637,280
	Rates per 1,000 births <sup>†</sup>	2.3	2.2	2.2	2.0	1.9
≥42	Births <sup>§</sup>	21,854	18,980	18,277	16,212	14,307
	Rates per 1,000 births <sup>†</sup>	1.4	1.2	1.5	2.0	2.0
<b>Total births</b>		<b>782,619</b>	<b>784,145</b>	<b>757,670</b>	<b>738,333</b>	<b>709,945</b>

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

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

Data sources: MBRRACE-UK, PDS, ONS, NRS, ISD, NIMATS, States of Guernsey, States of Jersey  
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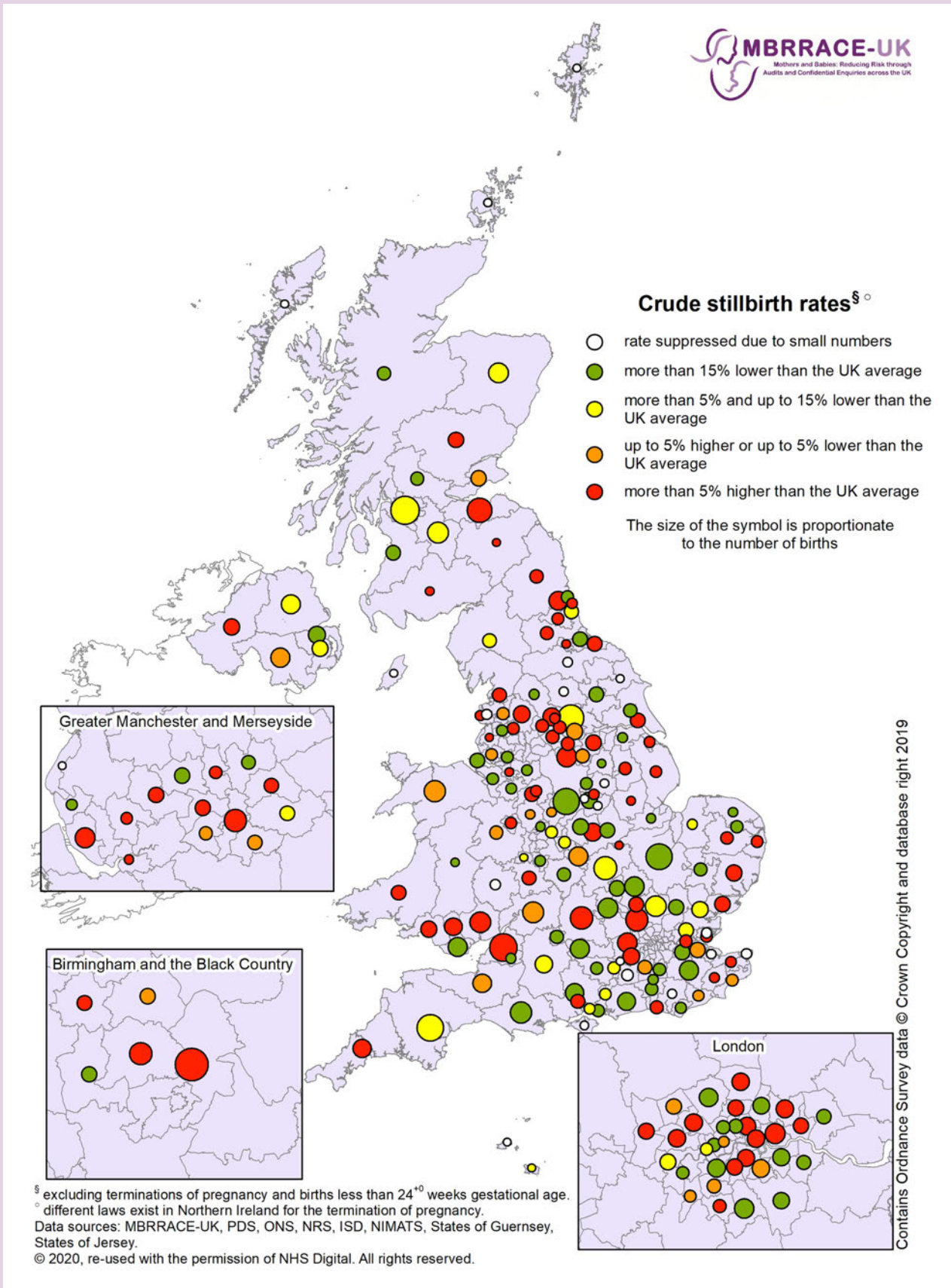
## **2. Mortality rates by commissioning organisation**

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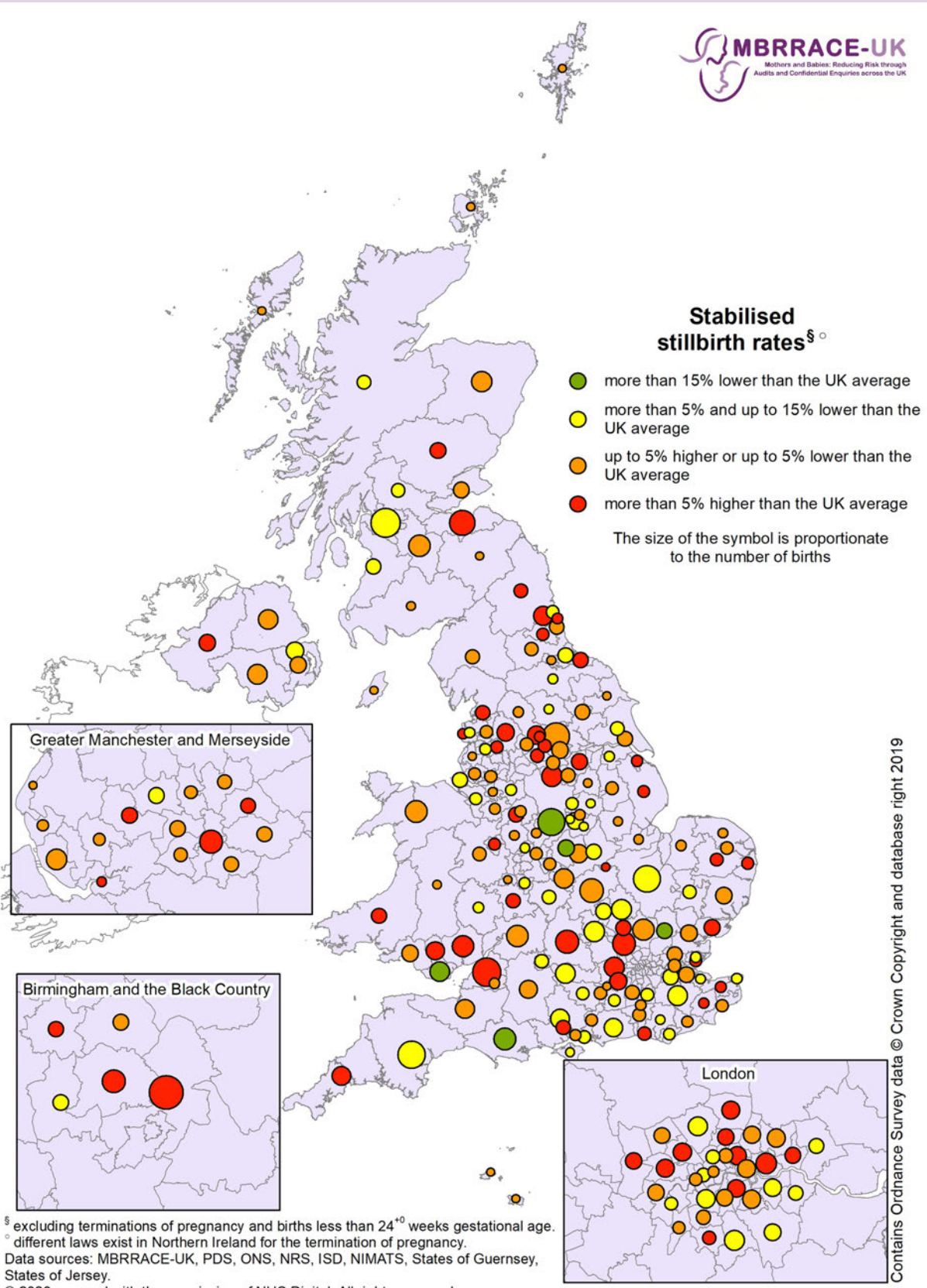
### **2.1 Mortality rates by Clinical Commissioning Group (England), Health Board (Scotland and Wales), Local Commissioning Group (Northern Ireland), and Crown Dependency**

Maps begin on page 10.

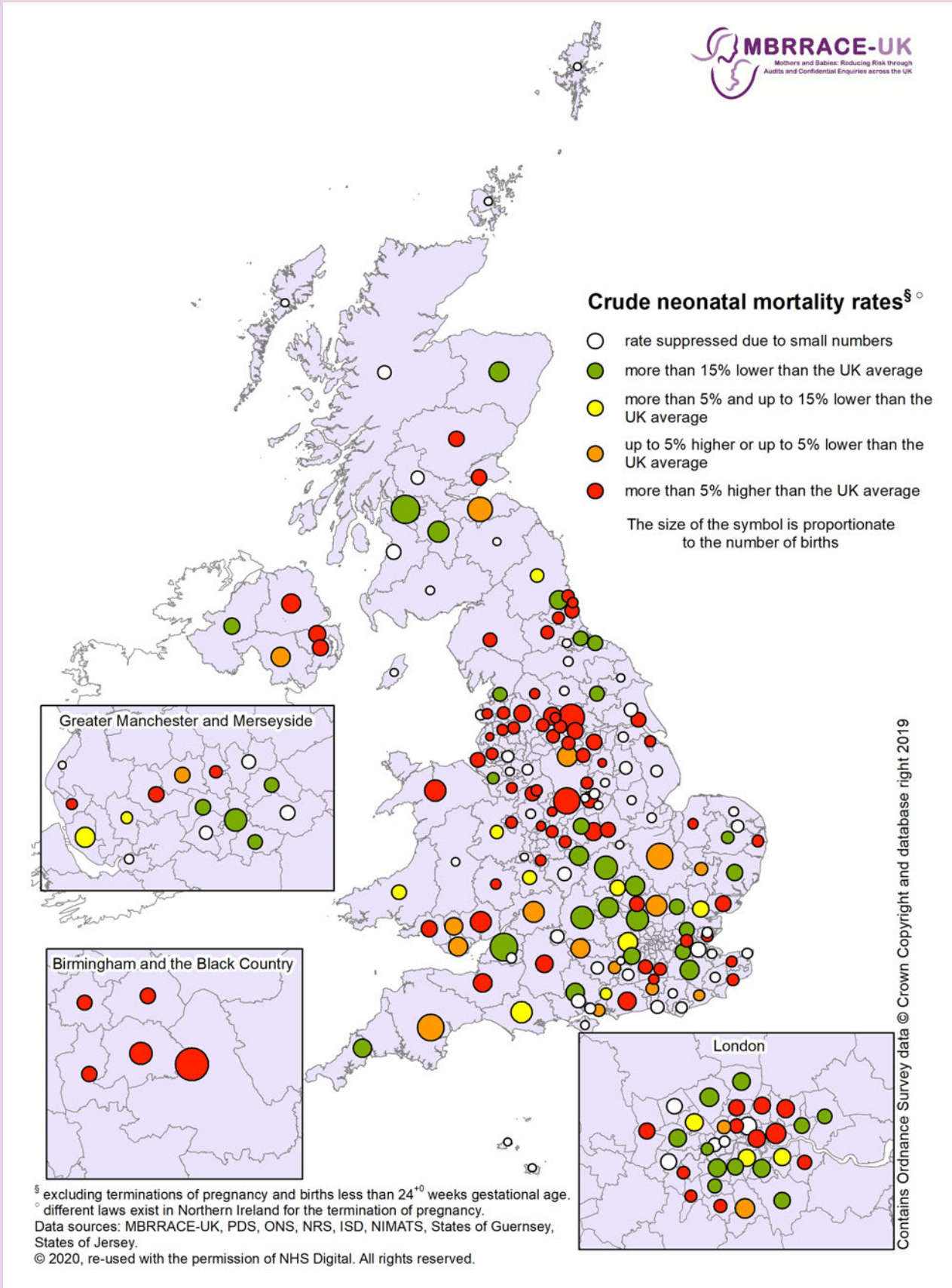
**Figure 1: Crude stillbirth rates by Clinical Commissioning Group (England), Health Board (Scotland and Wales), Local Commissioning Group (Northern Ireland), and Crown Dependency based on postcode of mother's residence at time of delivery: United Kingdom and Crown Dependencies, for births in 2018**



**Figure 2: Stabilised stillbirth rates by Clinical Commissioning Group (England), Health Board (Scotland and Wales), Local Commissioning Group (Northern Ireland), and Crown Dependency based on postcode of mother's residence at time of delivery: United Kingdom and Crown Dependencies, for births in 2018**

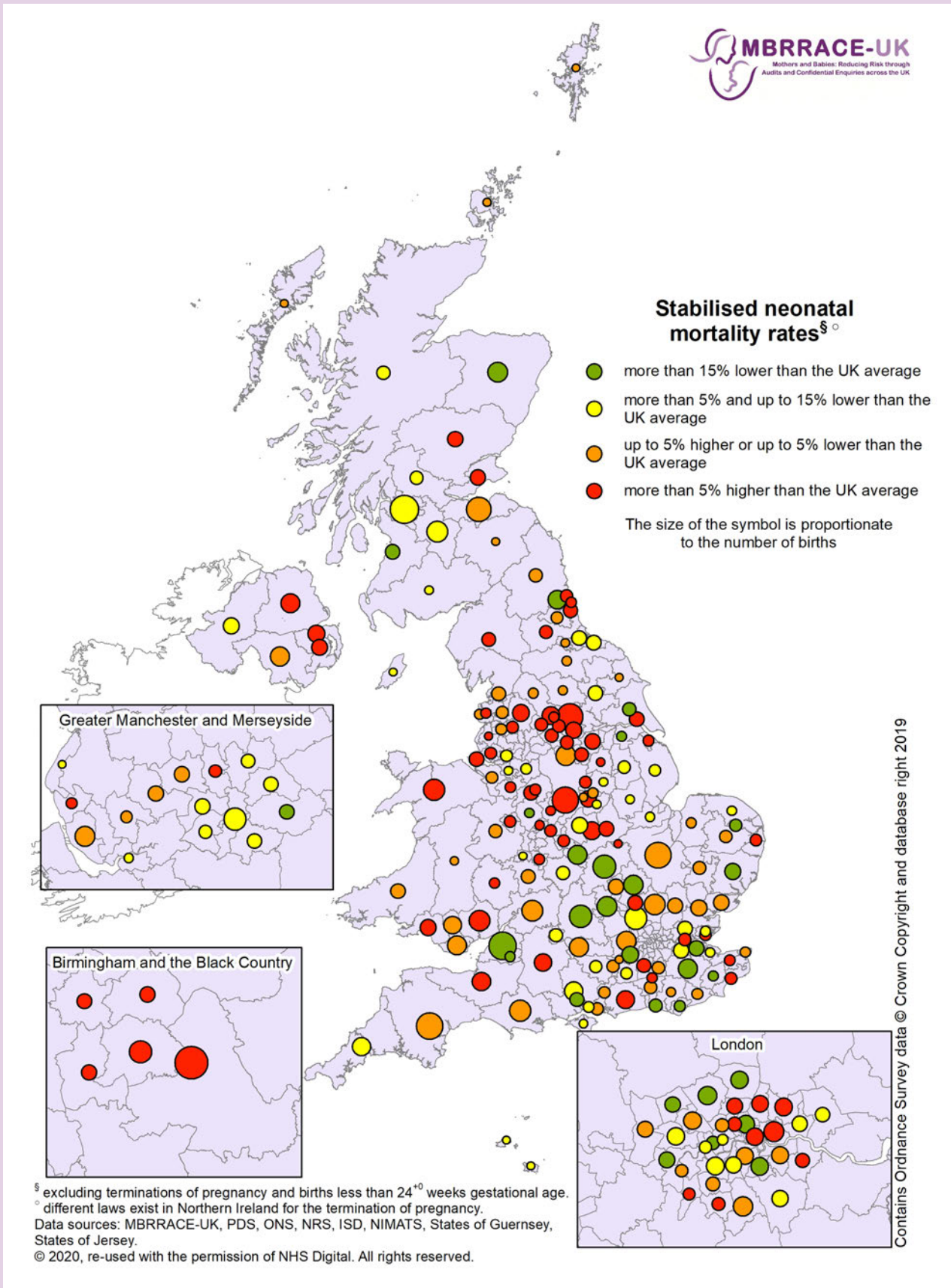


**Figure 3: Crude neonatal mortality rates by Clinical Commissioning Group (England), Health Board (Scotland and Wales), Local Commissioning Group (Northern Ireland), and Crown Dependency based on postcode of mother's residence: United Kingdom and Crown Dependencies, for births in 2018**

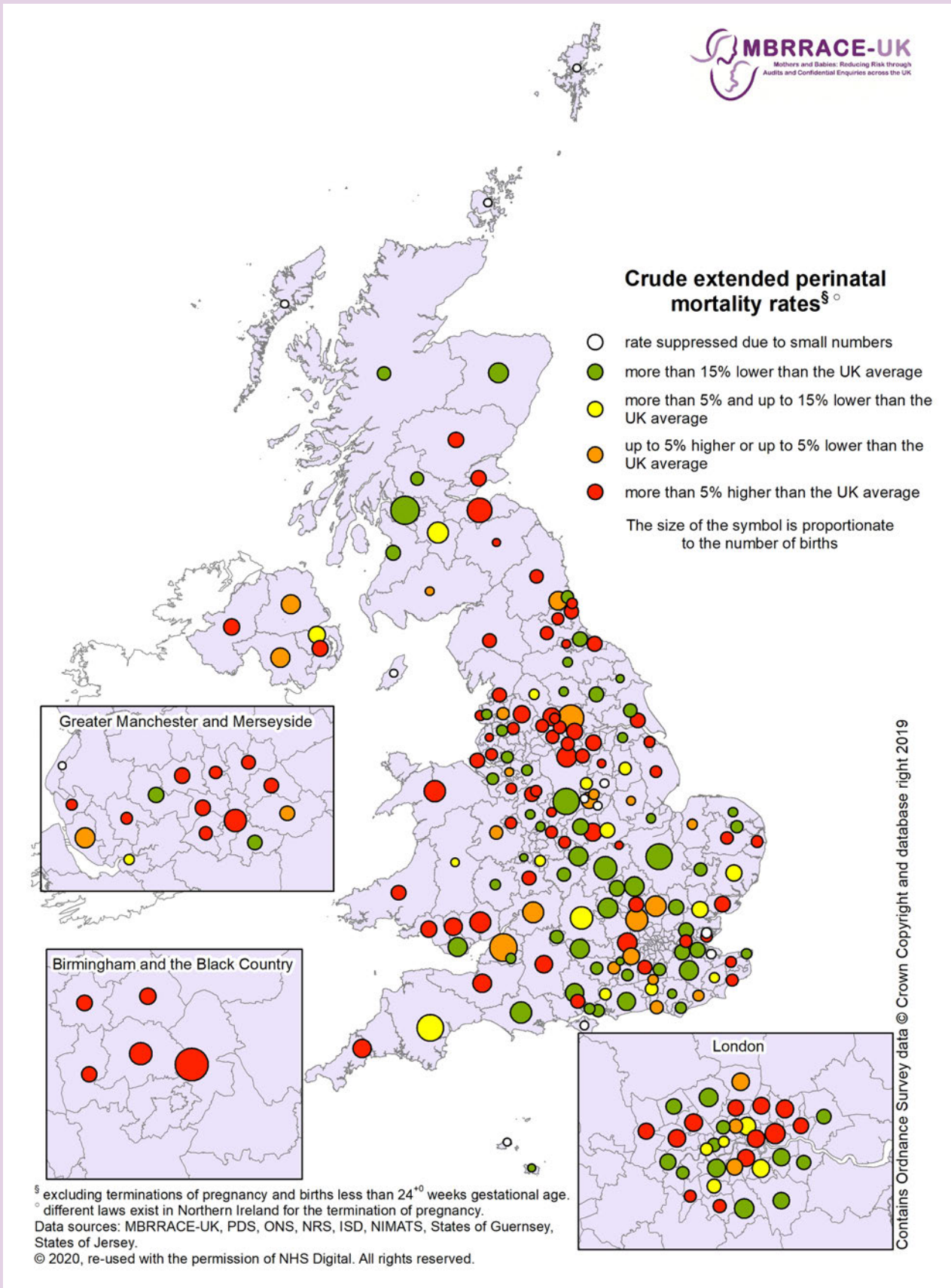




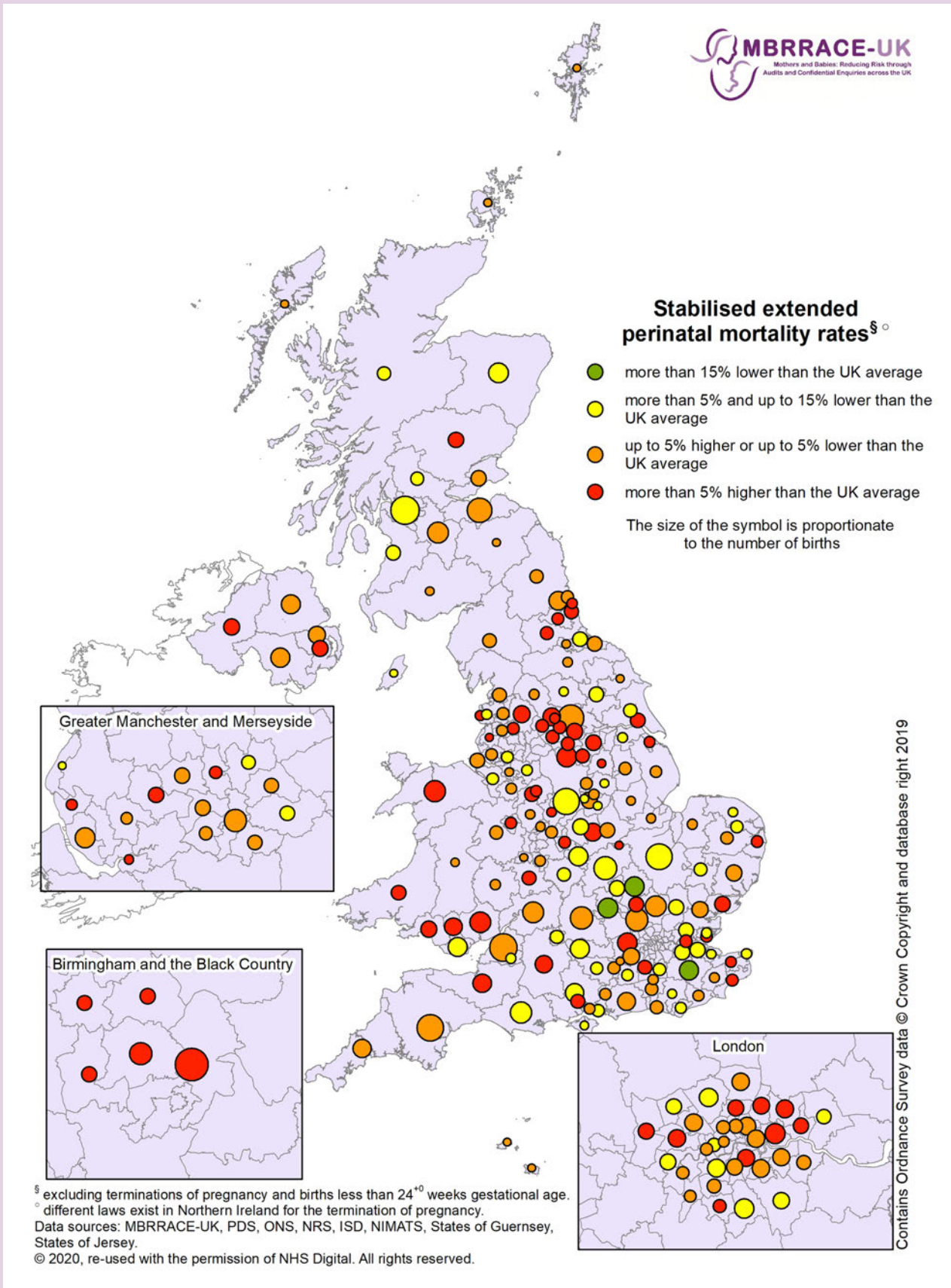
**Figure 4: Stabilised neonatal mortality rates by Clinical Commissioning Group (England), Health Board (Scotland and Wales), Local Commissioning Group (Northern Ireland), and Crown Dependency based on mother's residence: United Kingdom and Crown Dependencies, for births in 2018**



**Figure 5: Crude extended perinatal mortality rates by Clinical Commissioning Group (England), Health Board (Scotland and Wales), Local Commissioning Group (Northern Ireland), and Crown Dependency based on mother's residence: United Kingdom and Crown Dependencies, for births in 2018**



**Figure 6: Stabilised extended perinatal mortality rates by Clinical Commissioning Group (England), Health Board (Scotland and Wales), Local Commissioning Group (Northern Ireland), and Crown Dependency based on mother's residence: United Kingdom and Crown Dependencies, for births in 2018**



**Table 12: Crude and stabilised stillbirth, neonatal, and extended perinatal mortality rates by Clinical Commissioning Group (England), Health Board (Scotland and Wales), Local Commissioning Group (Northern Ireland), and Crown Dependency based on postcode of mother's residence at time of delivery: United Kingdom and Crown Dependencies, for births in 2018**

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>†</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
<b>ENGLAND</b>								
Airedale, Wharfedale and Craven	1,533	2.61	3.38 (2.43 to 4.76)	1.96	1.71 (0.96 to 2.94)	4.57	5.09 (3.94 to 7.08)	●
Ashford	1,475	*	3.71 (2.68 to 5.25)	*	1.37 (0.74 to 2.41)	4.75	5.08 (3.83 to 6.93)	●
Barking and Dagenham	3,662	5.73	4.26 (3.09 to 5.92)	1.10	1.48 (0.93 to 2.43)	6.83	5.73 (4.34 to 7.63)	●
Barnet	5,094	2.75	3.25 (2.50 to 4.24)	0.79	1.32 (0.84 to 2.09)	3.53	4.57 (3.65 to 5.82)	●
Barnsley	2,658	4.14	3.68 (2.75 to 5.06)	2.64	1.97 (1.13 to 3.26)	6.77	5.64 (4.40 to 7.53)	●
Basildon and Brentwood	3,293	3.04	3.40 (2.49 to 4.76)	0.91	1.43 (0.88 to 2.50)	3.95	4.82 (3.75 to 6.39)	●
Bassetlaw	1,129	2.66	3.42 (2.42 to 4.87)	5.33	2.26 (1.27 to 4.18)	7.97	5.66 (4.21 to 8.12)	●
Bath and North East Somerset	1,681	*	3.43 (2.53 to 4.72)	*	1.34 (0.76 to 2.36)	2.97	4.78 (3.60 to 6.42)	●
Bedfordshire	5,451	2.38	3.11 (2.34 to 4.21)	0.55	1.21 (0.71 to 2.00)	2.94	4.32 (3.42 to 5.65)	●
Berkshire West	5,484	2.55	3.17 (2.34 to 4.19)	1.65	1.67 (1.13 to 2.67)	4.19	4.84 (3.85 to 6.26)	●
Bexley	3,006	2.33	3.23 (2.33 to 4.38)	2.00	1.78 (1.11 to 3.00)	4.32	4.99 (3.88 to 6.50)	●
Birmingham and Solihull	15,563	4.82	4.46 (3.52 to 5.62)	2.78	2.57 (1.85 to 3.76)	7.58	7.01 (5.87 to 8.54)	●
Blackburn with Darwen	2,051	6.34	4.11 (2.92 to 5.99)	1.96	1.73 (1.05 to 3.00)	8.29	5.84 (4.50 to 8.10)	●
Blackpool	1,626	*	3.86 (2.82 to 5.40)	*	1.57 (0.96 to 2.71)	6.77	5.43 (4.19 to 7.33)	●
Bolton	3,609	2.49	3.23 (2.37 to 4.45)	1.67	1.67 (1.05 to 2.76)	4.16	4.90 (3.82 to 6.46)	●
Bradford City	1,460	6.85	4.04 (2.80 to 5.76)	4.14	2.15 (1.31 to 3.82)	10.96	6.18 (4.60 to 8.57)	●
Bradford Districts	4,696	4.26	3.81 (2.89 to 5.14)	2.35	1.99 (1.28 to 3.25)	6.60	5.79 (4.71 to 7.56)	●
Brent	4,749	4	3.72 (2.79 to 5.10)	1.48	1.60 (1.04 to 2.51)	5.47	5.32 (4.26 to 7.06)	●
Brighton and Hove	2,535	*	3.82 (2.79 to 5.33)	*	1.34 (0.79 to 2.26)	5.13	5.16 (3.99 to 6.93)	●
Bristol, North Somerset and South Gloucestershire	11,162	4.21	3.97 (3.15 to 5.09)	0.90	1.23 (0.79 to 1.85)	5.11	5.21 (4.32 to 6.53)	●
Bromley	4,035	2.73	3.28 (2.46 to 4.42)	0.99	1.43 (0.87 to 2.41)	3.72	4.71 (3.72 to 6.27)	●
Buckinghamshire	5,845	2.22	3.03 (2.19 to 3.94)	0.86	1.32 (0.85 to 2.11)	3.08	4.35 (3.35 to 5.59)	●
Bury	2,236	4.03	3.63 (2.66 to 5.00)	2.25	1.81 (1.11 to 3.15)	6.26	5.44 (4.25 to 7.26)	●
Calderdale	2,322	3.88	3.60 (2.63 to 4.96)	2.16	1.80 (1.09 to 2.97)	6.03	5.39 (4.16 to 7.21)	●
Cambridgeshire and Peterborough	10,079	2.48	3.00 (2.32 to 3.96)	1.69	1.72 (1.21 to 2.48)	4.17	4.71 (3.85 to 5.84)	●

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>†</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
Camden	2,574	2.33	3.26 (2.38 to 4.48)	1.56	1.63 (1.01 to 2.75)	3.89	4.88 (3.84 to 6.60)	●
Cannock Chase	1,449	2.07	3.31 (2.35 to 4.65)	2.07	1.73 (0.98 to 3.02)	4.14	5.03 (3.97 to 6.85)	●
Canterbury and Coastal	1,730	5.20	3.82 (2.75 to 5.52)	2.32	1.80 (1.12 to 3.31)	7.51	5.61 (4.30 to 7.74)	●
Castle Point and Rochford	1,569	*	3.09 (2.15 to 4.40)	*	1.47 (0.92 to 2.56)	*	4.55 (3.48 to 6.15)	●
Central London (Westminster)	1,772	*	3.50 (2.52 to 4.93)	*	1.55 (0.92 to 2.77)	4.51	5.04 (3.87 to 6.88)	●
Chorley and South Ribble	1,736	1.73	3.23 (2.28 to 4.52)	1.73	1.67 (1.03 to 2.93)	3.46	4.89 (3.75 to 6.58)	●
City and Hackney	4,539	*	3.78 (2.84 to 5.18)	*	1.14 (0.67 to 1.90)	4.41	4.93 (3.93 to 6.53)	●
Coastal West Sussex	4,648	2.37	3.14 (2.27 to 4.28)	1.94	1.80 (1.17 to 2.74)	4.30	4.93 (3.82 to 6.48)	●
Corby	891	*	3.72 (2.68 to 5.43)	*	1.72 (1.01 to 3.10)	7.86	5.43 (4.13 to 7.52)	●
Coventry and Rugby	5,549	3.42	3.50 (2.70 to 4.58)	0.54	1.20 (0.71 to 1.98)	3.96	4.71 (3.81 to 5.99)	●
Crawley	1,535	2.61	3.38 (2.46 to 4.86)	2.61	1.84 (1.12 to 3.27)	5.21	5.21 (4.04 to 7.33)	●
Croydon	5,329	2.44	3.13 (2.27 to 4.35)	1.69	1.70 (1.11 to 2.65)	4.13	4.82 (3.84 to 6.34)	●
Darlington	1,112	*	3.63 (2.60 to 5.00)	*	1.67 (0.98 to 2.83)	6.29	5.30 (4.04 to 7.15)	●
Dartford, Gravesham and Swanley	3,414	2.64	3.28 (2.33 to 4.60)	1.17	1.51 (0.92 to 2.45)	3.81	4.79 (3.65 to 6.31)	●
Derby and Derbyshire	10,284	2.43	2.97 (2.31 to 3.92)	1.75	1.76 (1.24 to 2.64)	4.18	4.72 (3.90 to 6.05)	●
Devon	10,710	2.99	3.26 (2.58 to 4.28)	1.59	1.66 (1.14 to 2.46)	4.58	4.91 (4.09 to 6.26)	●
Doncaster	3,406	4.99	3.98 (2.95 to 5.38)	2.07	1.81 (1.17 to 2.92)	7.05	5.78 (4.55 to 7.65)	●
Dorset	6,658	1.95	2.89 (2.11 to 3.88)	1.5	1.61 (1.06 to 2.54)	3.45	4.48 (3.55 to 5.91)	●
Dudley	3,541	2.82	3.33 (2.39 to 4.58)	3.12	2.24 (1.37 to 3.91)	5.93	5.55 (4.26 to 7.54)	●
Durham Dales, Easington and Sedgfield	2,721	4.04	3.66 (2.72 to 5.01)	2.58	1.95 (1.22 to 3.27)	6.62	5.60 (4.37 to 7.39)	●
Ealing	4,760	4.83	4.04 (3.06 to 5.58)	1.06	1.43 (0.93 to 2.34)	5.88	5.47 (4.39 to 7.28)	●
East Berkshire	5,521	4.17	3.81 (2.86 to 5.18)	1.46	1.59 (1.03 to 2.44)	5.61	5.39 (4.20 to 6.94)	●
East Lancashire	4,373	4.57	3.91 (2.92 to 5.42)	2.99	2.27 (1.46 to 3.68)	7.55	6.16 (4.80 to 8.02)	●
East Leicestershire and Rutland	3,210	2.49	3.25 (2.36 to 4.35)	2.19	1.85 (1.16 to 3.03)	4.67	5.09 (3.92 to 6.58)	●
East Riding of Yorkshire	2,544	*	3.26 (2.36 to 4.52)	*	1.24 (0.72 to 2.21)	2.36	4.51 (3.47 to 5.99)	●
East Staffordshire	1,394	3.59	3.53 (2.58 to 4.95)	2.88	1.88 (1.09 to 3.18)	6.46	5.39 (4.23 to 7.41)	●
East Surrey	2,231	1.34	3.09 (2.20 to 4.30)	1.8	1.70 (1.02 to 2.87)	3.14	4.78 (3.62 to 6.51)	●
East and North Hertfordshire	6,517	3.22	3.42 (2.63 to 4.48)	1.69	1.70 (1.12 to 2.66)	4.91	5.11 (4.15 to 6.49)	●
Eastbourne, Hailsham and Seaford	1,760	*	3.22 (2.25 to 4.51)	*	1.33 (0.79 to 2.39)	1.70	4.55 (3.44 to 6.15)	●

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>†</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
Eastern Cheshire	1,771	*	3.31 (2.38 to 4.63)	*	1.44 (0.84 to 2.56)	2.82	4.74 (3.61 to 6.47)	●
Enfield	4,642	4.31	3.83 (2.93 to 5.02)	0.87	1.36 (0.85 to 2.23)	5.17	5.19 (4.21 to 6.73)	●
Fareham and Gosport	1,811	*	3.49 (2.50 to 4.88)	*	1.43 (0.86 to 2.46)	3.87	4.91 (3.80 to 6.61)	●
Fylde and Wyre	1,498	*	3.11 (2.10 to 4.24)	*	1.72 (1.01 to 2.95)	2.67	4.82 (3.62 to 6.45)	●
Gloucestershire	6,471	3.40	3.49 (2.67 to 4.76)	1.71	1.71 (1.13 to 2.76)	5.10	5.20 (4.17 to 6.85)	●
Great Yarmouth and Waveney	2,093	4.78	3.78 (2.73 to 5.35)	4.8	2.56 (1.51 to 4.69)	9.56	6.32 (4.71 to 8.73)	●
Greater Huddersfield	2,561	5.08	3.91 (2.79 to 5.35)	3.14	2.12 (1.31 to 3.78)	8.20	6.01 (4.64 to 8.32)	●
Greater Preston	2,226	3.59	3.54 (2.62 to 5.00)	1.80	1.70 (1.04 to 2.93)	5.39	5.23 (4.15 to 7.18)	●
Greenwich	4,238	2.83	3.31 (2.47 to 4.40)	1.42	1.58 (0.98 to 2.64)	4.25	4.88 (3.84 to 6.41)	●
Guildford and Waverley	1,960	*	3.08 (2.14 to 4.29)	*	1.52 (0.86 to 2.59)	2.04	4.59 (3.45 to 6.22)	●
Halton	1,426	*	3.94 (2.79 to 5.64)	*	1.49 (0.86 to 2.62)	7.01	5.43 (4.12 to 7.51)	●
Hambleton, Richmondshire and Whitby	1,293	*	3.26 (2.38 to 4.70)	*	1.63 (0.94 to 2.79)	3.09	4.89 (3.71 to 6.72)	●
Hammersmith and Fulham	2,415	3.31	3.48 (2.55 to 4.79)	1.25	1.55 (0.94 to 2.55)	4.55	5.03 (3.93 to 6.68)	●
Haringey	3,847	7.28	4.86 (3.48 to 7.00)	2.09	1.84 (1.20 to 3.04)	9.36	6.70 (5.16 to 9.15)	●
Harrogate and Rural District	1,362	*	3.24 (2.28 to 4.42)	*	1.62 (0.95 to 2.81)	2.94	4.86 (3.62 to 6.50)	●
Harrow	3,625	*	3.55 (2.65 to 4.73)	*	1.30 (0.74 to 2.22)	4.14	4.86 (3.79 to 6.33)	●
Hartlepool and Stockton-on-Tees	3,137	1.59	3.03 (2.15 to 4.22)	1.28	1.55 (0.97 to 2.50)	2.87	4.57 (3.47 to 6.17)	●
Hastings and Rother	1,760	3.41	3.50 (2.52 to 5.04)	1.71	1.67 (0.99 to 2.91)	5.11	5.16 (3.90 to 7.09)	●
Havering	3,284	2.74	3.32 (2.45 to 4.50)	1.22	1.53 (0.95 to 2.44)	3.96	4.84 (3.74 to 6.34)	●
Herefordshire	1,681	*	3.15 (2.21 to 4.41)	*	1.81 (1.02 to 3.20)	3.57	4.95 (3.72 to 6.78)	●
Herts Valleys	7,168	4.19	3.87 (2.99 to 5.13)	1.12	1.41 (0.92 to 2.29)	5.30	5.28 (4.24 to 6.89)	●
Heywood, Middleton and Rochdale	2,819	*	3.36 (2.39 to 4.57)	*	1.40 (0.82 to 2.35)	3.55	4.75 (3.62 to 6.19)	●
High Weald Lewes Havens	1,413	*	3.23 (2.28 to 4.52)	*	1.61 (0.95 to 2.73)	2.83	4.83 (3.73 to 6.53)	●
Hillingdon	4,034	5.45	4.21 (3.17 to 5.72)	1.74	1.71 (1.08 to 2.73)	7.19	5.91 (4.74 to 7.70)	●
Horsham and Mid Sussex	2,358	2.97	3.41 (2.54 to 4.83)	1.7	1.67 (1.03 to 2.83)	4.66	5.07 (4.03 to 6.73)	●
Hounslow	3,979	*	3.38 (2.57 to 4.55)	*	1.27 (0.76 to 2.19)	3.52	4.64 (3.73 to 6.18)	●
Hull	3,310	3.93	3.65 (2.67 to 5.16)	2.12	1.83 (1.16 to 3.05)	6.04	5.47 (4.28 to 7.34)	●
Ipswich and East Suffolk	3,896	3.85	3.64 (2.72 to 5.07)	0.77	1.36 (0.81 to 2.37)	4.62	5.00 (4.01 to 6.76)	●
Isle of Wight	1,078	*	3.23 (2.30 to 4.67)	*	1.55 (0.87 to 2.77)	*	4.78 (3.66 to 6.69)	●

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>†</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
Islington	2,860	2.80	3.35 (2.41 to 4.71)	2.10	1.81 (1.14 to 2.98)	4.90	5.14 (4.06 to 6.96)	●
Kernow	5,021	4.58	3.96 (3.00 to 5.41)	1.00	1.40 (0.88 to 2.26)	5.58	5.36 (4.27 to 6.97)	●
Kingston	2,019	3.47	3.51 (2.48 to 4.90)	1.99	1.74 (1.05 to 2.89)	5.45	5.24 (3.95 to 7.14)	●
Knowsley	2,013	3.48	3.52 (2.58 to 4.83)	2.49	1.86 (1.15 to 3.22)	5.96	5.37 (4.11 to 7.21)	●
Lambeth	4,053	3.70	3.60 (2.65 to 5.04)	1.24	1.52 (0.93 to 2.40)	4.93	5.11 (3.90 to 6.92)	●
Leeds	9,971	3.11	3.33 (2.60 to 4.28)	2.21	2.05 (1.45 to 3.03)	5.32	5.37 (4.44 to 6.69)	●
Leicester City	4,646	3.87	3.67 (2.78 to 4.90)	2.38	2.00 (1.29 to 3.36)	6.24	5.65 (4.57 to 7.48)	●
Lewisham	4,500	3.56	3.55 (2.63 to 4.76)	0.89	1.38 (0.84 to 2.35)	4.44	4.93 (3.94 to 6.45)	●
Lincolnshire East	2,092	*	3.89 (2.76 to 5.39)	*	1.50 (0.88 to 2.57)	6.21	5.38 (4.09 to 7.29)	●
Lincolnshire West	2,395	*	3.58 (2.64 to 4.99)	*	1.45 (0.88 to 2.46)	4.59	5.03 (3.88 to 6.79)	●
Liverpool	5,909	3.72	3.63 (2.74 to 4.93)	1.53	1.62 (1.06 to 2.52)	5.25	5.25 (4.20 to 6.79)	●
Luton	3,276	7.63	4.83 (3.44 to 6.92)	3.08	2.19 (1.36 to 3.63)	10.68	7.01 (5.30 to 9.47)	●
Manchester	7,332	3.96	3.76 (2.88 to 4.92)	1.10	1.40 (0.91 to 2.22)	5.05	5.16 (4.09 to 6.66)	●
Mansfield and Ashfield	2,101	2.38	3.30 (2.40 to 4.59)	2.39	1.84 (1.10 to 3.15)	4.76	5.13 (3.98 to 6.98)	●
Medway	3,464	*	3.52 (2.61 to 4.79)	*	1.32 (0.78 to 2.23)	4.04	4.84 (3.78 to 6.47)	●
Merton	2,998	3.34	3.48 (2.56 to 4.77)	1.34	1.57 (0.97 to 2.61)	4.67	5.04 (3.93 to 6.71)	●
Mid Essex	4,085	3.18	3.43 (2.51 to 4.62)	1.47	1.60 (1.02 to 2.61)	4.65	5.02 (3.95 to 6.65)	●
Milton Keynes	3,500	2.57	3.26 (2.34 to 4.49)	1.43	1.59 (0.96 to 2.63)	4.00	4.85 (3.72 to 6.40)	●
Morecambe Bay	3,033	4.29	3.74 (2.71 to 5.09)	1.32	1.56 (0.94 to 2.60)	5.61	5.30 (4.14 to 7.11)	●
Nene	7,652	3.27	3.43 (2.64 to 4.48)	0.66	1.18 (0.75 to 1.89)	3.92	4.61 (3.70 to 5.89)	●
Newark and Sherwood	1,160	*	3.21 (2.33 to 4.58)	*	1.53 (0.89 to 2.61)	*	4.74 (3.59 to 6.43)	●
Newcastle Gateshead	5,249	4.38	3.89 (2.91 to 5.14)	0.96	1.38 (0.90 to 2.18)	5.33	5.27 (4.18 to 6.73)	●
Newham	5,739	4.01	3.75 (2.84 to 4.92)	1.92	1.81 (1.18 to 2.82)	5.92	5.55 (4.47 to 6.92)	●
North Cumbria	2,804	3.21	3.45 (2.56 to 4.74)	2.50	1.93 (1.14 to 3.16)	5.71	5.37 (4.21 to 7.00)	●
North Durham	2,168	5.07	3.86 (2.87 to 5.27)	1.85	1.71 (1.02 to 2.91)	6.92	5.56 (4.34 to 7.55)	●
North East Essex	3,459	5.49	4.15 (3.07 to 5.76)	1.74	1.70 (1.07 to 2.77)	7.23	5.84 (4.59 to 7.73)	●
North East Hampshire and Farnham	2,409	3.32	3.48 (2.52 to 4.96)	1.67	1.66 (1.00 to 2.73)	4.98	5.14 (3.94 to 6.94)	●
North East Lincolnshire	1,717	5.82	3.93 (2.79 to 5.55)	2.34	1.80 (1.06 to 3.19)	8.15	5.73 (4.38 to 7.82)	●
North Hampshire	2,342	*	3.32 (2.42 to 4.55)	*	1.46 (0.88 to 2.47)	3.42	4.78 (3.62 to 6.38)	●
North Kirklees	2,414	5.80	4.07 (3.02 to 5.73)	3.75	2.30 (1.40 to 4.17)	9.53	6.35 (4.95 to 8.84)	●

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>†</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
North Lincolnshire	1,678	*	3.24 (2.36 to 4.59)	*	1.34 (0.76 to 2.28)	1.79	4.59 (3.49 to 6.18)	●
North Norfolk	1,343	*	3.44 (2.45 to 4.91)	*	1.39 (0.80 to 2.50)	2.98	4.83 (3.66 to 6.52)	●
North Staffordshire	1,890	4.23	3.66 (2.69 to 5.12)	2.13	1.76 (1.06 to 2.96)	6.35	5.41 (4.18 to 7.23)	●
North Tyneside	2,203	1.82	3.18 (2.27 to 4.45)	2.27	1.82 (1.09 to 2.99)	4.09	4.99 (3.75 to 6.62)	●
North West Surrey	4,292	4.43	3.86 (2.91 to 5.32)	0.7	1.32 (0.77 to 2.14)	5.13	5.18 (4.12 to 6.77)	●
Northumberland	2,644	4.16	3.68 (2.70 to 5.24)	1.52	1.62 (0.99 to 2.79)	5.67	5.30 (4.25 to 7.20)	●
Norwich	2,260	*	3.35 (2.38 to 4.56)	*	1.27 (0.74 to 2.14)	2.65	4.62 (3.48 to 6.23)	●
Nottingham City	3,873	2.84	3.32 (2.45 to 4.52)	2.07	1.83 (1.17 to 3.05)	4.91	5.15 (4.02 to 6.60)	●
Nottingham North and East	1,515	*	3.59 (2.59 to 5.14)	*	1.59 (0.94 to 2.77)	5.28	5.18 (3.97 to 6.98)	●
Nottingham West	1,100	*	3.13 (2.21 to 4.40)	*	1.67 (0.99 to 2.81)	*	4.79 (3.70 to 6.53)	●
Oldham	3,184	4.40	3.78 (2.77 to 5.24)	0.95	1.44 (0.87 to 2.42)	5.34	5.22 (4.09 to 6.98)	●
Oxfordshire	7,266	4.13	3.84 (2.97 to 5.02)	0.55	1.15 (0.73 to 1.89)	4.68	4.99 (4.00 to 6.36)	●
Portsmouth	2,384	1.68	3.14 (2.27 to 4.38)	1.68	1.67 (0.97 to 2.75)	3.36	4.79 (3.71 to 6.45)	●
Redbridge	4,520	3.76	3.62 (2.71 to 4.87)	2.22	1.92 (1.23 to 3.05)	5.97	5.53 (4.44 to 7.16)	●
Redditch and Bromsgrove	1,899	2.11	3.27 (2.36 to 4.56)	2.64	1.89 (1.14 to 3.21)	4.74	5.15 (4.04 to 6.90)	●
Richmond	2,313	2.16	3.24 (2.36 to 4.50)	1.73	1.68 (1.01 to 2.82)	3.89	4.91 (3.71 to 6.67)	●
Rotherham	2,934	3.41	3.50 (2.56 to 4.85)	3.42	2.28 (1.41 to 3.65)	6.82	5.76 (4.44 to 7.51)	●
Rushcliffe	1,062	*	3.24 (2.29 to 4.65)	*	1.55 (0.89 to 2.62)	*	4.78 (3.68 to 6.50)	●
Salford	3,558	3.93	3.66 (2.73 to 5.01)	1.13	1.49 (0.91 to 2.44)	5.06	5.15 (4.04 to 6.78)	●
Sandwell and West Birmingham	7,243	5.8	4.70 (3.58 to 6.32)	3.06	2.51 (1.69 to 3.84)	8.84	7.20 (5.78 to 9.33)	●
Scarborough and Ryedale	985	*	3.36 (2.37 to 4.79)	*	1.57 (0.95 to 2.72)	3.05	4.92 (3.76 to 6.74)	●
Sheffield	6,126	4.73	4.08 (3.13 to 5.54)	1.64	1.67 (1.09 to 2.51)	6.37	5.76 (4.53 to 7.51)	●
Shropshire	2,720	3.68	3.57 (2.63 to 4.93)	1.48	1.61 (0.97 to 2.71)	5.15	5.17 (3.97 to 7.08)	●
Somerset	5,227	3.63	3.59 (2.73 to 4.81)	2.30	1.99 (1.30 to 3.21)	5.93	5.56 (4.45 to 7.20)	●
South Cheshire	1,876	2.67	3.37 (2.46 to 4.77)	3.21	2.03 (1.21 to 3.38)	5.86	5.38 (4.04 to 7.37)	●
South East Staffordshire and Seisdon Peninsula	2,109	3.32	3.48 (2.53 to 4.88)	2.38	1.84 (1.11 to 3.04)	5.69	5.32 (4.10 to 7.25)	●
South Eastern Hampshire	1,981	3.03	3.43 (2.47 to 4.92)	1.52	1.63 (0.98 to 2.71)	4.54	5.05 (3.85 to 6.90)	●
South Kent Coast	1,931	3.63	3.54 (2.56 to 5.05)	2.60	1.88 (1.20 to 3.25)	6.21	5.41 (4.17 to 7.38)	●
South Lincolnshire	1,422	*	3.42 (2.37 to 4.79)	*	1.49 (0.87 to 2.62)	3.52	4.91 (3.70 to 6.60)	●



Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>†</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
South Norfolk	2,194	4.56	3.75 (2.73 to 5.27)	1.37	1.59 (0.96 to 2.67)	5.93	5.33 (4.19 to 7.17)	●
South Sefton	1,693	2.95	3.43 (2.45 to 4.75)	3.55	2.08 (1.26 to 3.64)	6.50	5.49 (4.13 to 7.54)	●
South Tees	3,253	4.30	3.76 (2.75 to 5.08)	1.23	1.53 (0.92 to 2.49)	5.53	5.28 (4.14 to 6.87)	●
South Tyneside	1,535	7.17	4.12 (2.90 to 5.97)	2.62	1.84 (1.08 to 3.22)	9.77	5.96 (4.34 to 8.24)	●
South Warwickshire	2,551	*	3.01 (2.14 to 4.12)	*	1.43 (0.83 to 2.39)	1.96	4.44 (3.38 to 5.87)	●
South West Lincolnshire	1,134	*	3.62 (2.58 to 5.12)	*	1.54 (0.89 to 2.70)	5.29	5.16 (3.96 to 6.96)	●
South Worcestershire	2,799	4.64	3.82 (2.81 to 5.20)	1.44	1.60 (0.96 to 2.70)	6.07	5.42 (4.25 to 7.21)	●
Southampton	3,046	*	4.21 (3.03 to 5.93)	*	1.37 (0.83 to 2.25)	6.57	5.58 (4.27 to 7.59)	●
Southend	2,076	4.82	3.79 (2.81 to 5.19)	2.42	1.85 (1.13 to 3.07)	7.23	5.63 (4.34 to 7.47)	●
Southport and Formby	900	*	3.39 (2.28 to 5.00)	*	1.46 (0.81 to 2.61)	*	4.85 (3.57 to 6.93)	●
Southwark	4,324	7.17	4.93 (3.57 to 7.23)	1.40	1.57 (1.01 to 2.60)	8.56	6.51 (4.98 to 9.02)	●
St Helens	1,944	4.12	3.64 (2.65 to 5.22)	1.55	1.63 (0.99 to 2.83)	5.66	5.26 (4.05 to 7.05)	●
Stafford and Surrounds	1,443	*	3.51 (2.51 to 4.89)	*	1.38 (0.76 to 2.49)	3.47	4.89 (3.71 to 6.68)	●
Stockport	3,320	3.61	3.56 (2.68 to 5.03)	0.91	1.43 (0.87 to 2.31)	4.52	4.98 (3.90 to 6.60)	●
Stoke on Trent	3,366	5.64	4.18 (3.02 to 5.76)	4.18	2.68 (1.62 to 4.59)	9.80	6.84 (5.21 to 9.22)	●
Sunderland	2,769	3.25	3.46 (2.49 to 4.87)	2.90	2.06 (1.29 to 3.49)	6.14	5.51 (4.30 to 7.49)	●
Surrey Downs	2,876	3.48	3.52 (2.52 to 4.81)	2.44	1.92 (1.21 to 3.36)	5.91	5.43 (4.28 to 7.40)	●
Surrey Heath	961	*	3.37 (2.36 to 4.82)	*	1.57 (0.87 to 2.66)	3.12	4.94 (3.74 to 6.87)	●
Sutton	2,478	4.44	3.74 (2.74 to 5.20)	3.24	2.14 (1.30 to 3.58)	7.67	5.87 (4.53 to 8.06)	●
Swale	1,424	*	3.13 (2.12 to 4.44)	*	1.49 (0.90 to 2.62)	*	4.62 (3.50 to 6.22)	●
Swindon	2,674	*	3.23 (2.38 to 4.51)	*	1.41 (0.84 to 2.42)	2.99	4.64 (3.65 to 6.23)	●
Tameside and Glossop	3,104	*	3.45 (2.55 to 4.74)	*	1.36 (0.81 to 2.26)	3.87	4.81 (3.75 to 6.41)	●
Telford and Wrekin	2,064	4.84	3.79 (2.71 to 5.22)	2.92	1.98 (1.16 to 3.47)	7.75	5.76 (4.28 to 7.94)	●
Thanet	1,533	*	3.10 (2.12 to 4.33)	*	1.59 (0.95 to 2.73)	1.96	4.68 (3.46 to 6.33)	●
Thurrock	2,393	3.76	3.58 (2.58 to 4.91)	2.52	1.90 (1.19 to 3.05)	6.27	5.47 (4.19 to 7.26)	●
Tower Hamlets	4,508	3.77	3.63 (2.77 to 4.83)	1.78	1.73 (1.12 to 2.81)	5.55	5.35 (4.24 to 6.96)	●
Trafford	2,655	*	3.50 (2.58 to 4.84)	*	1.42 (0.88 to 2.43)	4.14	4.91 (3.85 to 6.58)	●
Vale Royal	1,127	*	3.63 (2.60 to 5.12)	*	1.54 (0.91 to 2.61)	5.32	5.16 (3.88 to 6.96)	●
Vale of York	3,225	2.79	3.33 (2.43 to 4.68)	1.24	1.53 (0.94 to 2.59)	4.03	4.86 (3.74 to 6.56)	●
Wakefield	3,979	3.52	3.54 (2.65 to 4.79)	2.52	2.02 (1.24 to 3.25)	6.03	5.55 (4.35 to 7.27)	●

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		Stillbirth <sup>†</sup>		Neonatal <sup>†</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
Walsall	3,691	3.52	3.53 (2.58 to 4.89)	4.62	2.97 (1.92 to 5.14)	8.13	6.47 (5.09 to 8.80)	●
Waltham Forest	4,452	2.92	3.33 (2.52 to 4.55)	2.93	2.25 (1.40 to 3.61)	5.84	5.56 (4.39 to 7.36)	●
Wandsworth	4,774	2.51	3.18 (2.39 to 4.31)	1.05	1.43 (0.90 to 2.25)	3.56	4.61 (3.64 to 6.04)	●
Warrington	2,186	*	3.37 (2.46 to 4.76)	*	1.48 (0.93 to 2.55)	3.66	4.85 (3.78 to 6.54)	●
Warwickshire North	2,182	3.21	3.46 (2.55 to 4.79)	3.22	2.09 (1.30 to 3.59)	6.42	5.53 (4.38 to 7.60)	●
West Cheshire	2,174	1.84	3.19 (2.26 to 4.54)	1.38	1.59 (0.94 to 2.56)	3.22	4.78 (3.65 to 6.37)	●
West Essex	3,727	1.61	2.98 (2.23 to 4.14)	1.34	1.56 (0.99 to 2.54)	2.95	4.53 (3.53 to 6.09)	●
West Hampshire	5,219	2.68	3.23 (2.44 to 4.45)	1.15	1.46 (0.93 to 2.35)	3.83	4.68 (3.74 to 6.10)	●
West Kent	5,499	2.18	3.03 (2.24 to 4.05)	0.55	1.21 (0.76 to 2.00)	2.73	4.24 (3.30 to 5.49)	●
West Lancashire	993	5.04	3.68 (2.69 to 5.22)	3.04	1.84 (1.03 to 3.32)	8.06	5.51 (4.26 to 7.59)	●
West Leicestershire	3,977	1.51	2.93 (2.14 to 4.01)	1.26	1.52 (0.96 to 2.41)	2.77	4.44 (3.44 to 5.84)	●
West London	2,554	*	3.26 (2.34 to 4.43)	*	1.33 (0.77 to 2.23)	2.74	4.59 (3.57 to 6.06)	●
West Norfolk	1,619	3.09	3.45 (2.47 to 4.75)	1.86	1.69 (1.06 to 2.89)	4.94	5.14 (3.95 to 6.87)	●
West Suffolk	2,480	2.02	3.20 (2.28 to 4.50)	1.62	1.65 (1.00 to 2.92)	3.63	4.84 (3.72 to 6.43)	●
Wigan Borough	3,415	4.10	3.70 (2.71 to 5.13)	1.76	1.71 (1.07 to 2.87)	5.86	5.40 (4.31 to 7.18)	●
Wiltshire	4,817	3.32	3.47 (2.64 to 4.66)	2.71	2.16 (1.37 to 3.51)	6.02	5.62 (4.49 to 7.28)	●
Wirral	3,251	2.77	3.33 (2.43 to 4.62)	2.78	2.07 (1.27 to 3.34)	5.54	5.38 (4.15 to 7.28)	●
Wolverhampton	3,325	4.81	3.91 (2.94 to 5.38)	2.72	2.06 (1.30 to 3.19)	7.52	5.96 (4.73 to 7.93)	●
Wyre Forest	988	*	3.46 (2.51 to 4.89)	*	1.45 (0.83 to 2.58)	3.04	4.91 (3.72 to 6.73)	●
<b>SCOTLAND</b>								
Ayrshire and Arran	3,220	*	3.25 (2.39 to 4.48)	*	1.35 (0.83 to 2.22)	3.11	4.60 (3.55 to 6.16)	●
Borders	986	*	3.57 (2.56 to 5.29)	*	1.70 (1.03 to 3.13)	6.09	5.26 (4.02 to 7.62)	●
Dumfries and Galloway	1,216	*	3.59 (2.53 to 4.96)	*	1.53 (0.89 to 2.73)	4.93	5.12 (3.94 to 6.92)	●
Fife	3,542	3.67	3.58 (2.68 to 4.92)	1.98	1.79 (1.11 to 2.95)	5.65	5.36 (4.20 to 6.92)	●
Forth Valley	2,717	*	3.05 (2.17 to 4.20)	*	1.41 (0.84 to 2.33)	2.21	4.46 (3.41 to 5.99)	●
Grampian	5,858	3.24	3.43 (2.60 to 4.59)	0.69	1.25 (0.79 to 2.09)	3.93	4.68 (3.67 to 6.06)	●
Greater Glasgow and Clyde	11,716	3.07	3.30 (2.61 to 4.31)	1.28	1.46 (0.99 to 2.13)	4.35	4.76 (3.94 to 5.90)	●
Highland	2,655	*	3.23 (2.37 to 4.39)	*	1.42 (0.85 to 2.46)	3.01	4.65 (3.64 to 6.20)	●
Lanarkshire	6,535	3.06	3.35 (2.56 to 4.44)	1.38	1.55 (1.00 to 2.41)	4.44	4.89 (3.96 to 6.22)	●
Lothian	8,789	3.87	3.74 (2.87 to 4.85)	1.60	1.66 (1.10 to 2.51)	5.46	5.39 (4.37 to 6.84)	●

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>‡</sup>		
		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
Orkney	178	*	3.44 (2.39 to 5.03)	*	1.60 (0.92 to 2.84)	*	5.03 (3.72 to 6.87)	●
Shetland	219	*	3.53 (2.42 to 5.05)	*	1.59 (0.87 to 3.08)	*	5.12 (3.83 to 7.13)	●
Tayside	3,646	4.39	3.81 (2.82 to 5.27)	3.31	2.33 (1.51 to 3.93)	7.68	6.12 (4.75 to 8.12)	●
Western Isles	200	*	3.43 (2.40 to 4.91)	*	1.59 (0.91 to 2.94)	*	5.01 (3.75 to 6.82)	●
<b>WALES</b>								
Aneurin Bevan University Health Board	6,212	4.83	4.13 (3.16 to 5.48)	2.10	1.91 (1.21 to 3.09)	6.92	6.04 (4.81 to 7.88)	●
Betsi Cadwaladr University Health Board	6,765	3.55	3.56 (2.76 to 4.63)	2.52	2.16 (1.41 to 3.20)	6.06	5.71 (4.67 to 7.27)	●
Cardiff and Vale University Health Board	5,406	1.85	2.92 (2.15 to 3.94)	1.67	1.68 (1.08 to 2.63)	3.51	4.59 (3.64 to 5.99)	●
Cwm Taf Morgannwg University Health Board	4,699	4.47	3.89 (2.95 to 5.38)	1.71	1.70 (1.08 to 2.68)	6.17	5.59 (4.41 to 7.35)	●
Hywel Dda University Health Board	3,386	4.73	3.89 (2.92 to 5.37)	1.48	1.61 (1.00 to 2.64)	6.20	5.50 (4.28 to 7.33)	●
Powys Teaching Health Board	1,116	*	3.42 (2.39 to 4.79)	*	1.67 (1.00 to 3.00)	4.48	5.08 (3.84 to 7.05)	●
Swansea Bay University Health Board	3,815	3.93	3.67 (2.72 to 5.11)	1.84	1.74 (1.11 to 2.84)	5.77	5.40 (4.30 to 7.21)	●
<b>NORTHERN IRELAND</b>								
Belfast	4,427	2.26	3.12 (2.29 to 4.20)	2.26	1.93 (1.25 to 3.14)	4.52	5.04 (3.94 to 6.62)	●
Northern	5,313	3.01	3.35 (2.55 to 4.41)	2.27	1.97 (1.29 to 3.16)	5.27	5.30 (4.24 to 6.94)	●
South Eastern	4,040	3.22	3.44 (2.55 to 4.67)	2.48	2.01 (1.33 to 3.19)	5.69	5.44 (4.33 to 7.17)	●
Southern	5,299	3.59	3.57 (2.65 to 4.82)	1.70	1.70 (1.10 to 2.74)	5.28	5.26 (4.21 to 6.86)	●
Western	3,783	5.29	4.12 (3.02 to 5.70)	1.33	1.55 (1.02 to 2.55)	6.61	5.67 (4.43 to 7.54)	●
<b>CROWN DEPENDENCIES</b>								
Guernsey	506	*	3.42 (2.46 to 4.81)	*	1.53 (0.86 to 2.81)	*	4.95 (3.69 to 6.73)	●
Isle of Man	727	*	3.35 (2.33 to 4.58)	*	1.49 (0.84 to 2.68)	*	4.83 (3.64 to 6.49)	●
Jersey	944	*	3.48 (2.49 to 5.05)	*	1.45 (0.83 to 2.52)	3.18	4.93 (3.79 to 6.76)	●

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

† per 1,000 total births

‡ per 1,000 live births

# colours represent variation from comparator group average extended perinatal mortality rate

° different laws exist in Northern Ireland for the termination of pregnancy

\* entry suppressed because of small number of deaths

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

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

The shading in Table 13 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: 18.7% of mothers giving birth in Airedale, Wharfedale and Craven CCG are Asian or Asian British, which places this CCG in the 5<sup>th</sup> quintile or highest 20% of commissioning organisations for this population characteristic.

**Table 13: 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 2018**

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>							
Airedale, Wharfedale and Craven	18.7	0.0	2.5	3.7	17.5	2.7	0.6
Ashford	3.7	2.5	3.0	4.3	12.2	2.6	1.4
Barking and Dagenham	26.4	19.5	2.8	4.5	10.6	3.5	1.4
Barnet	11.7	7.5	0.9	6.2	5.3	3.0	1.0
Barnsley	0.4	0.6	5	2.4	29.8	2.6	1.1
Basildon and Brentwood	3.6	3.4	2.8	3.9	11.6	3.4	1.3
Bassetlaw	1.5	0.4	3.6	2.7	13.6	1.4	1.6
Bath and North East Somerset	1.4	0.4	1.7	4.2	2.1	1.5	0.7
Bedfordshire	6.9	3.2	2.3	4.1	5.2	3.3	0.9
Berkshire West	12.6	3.7	1.6	4.9	4.5	3.2	1.4
Bexley	9.5	12.7	2.1	4.2	10.8	3.1	1.1
Birmingham and Solihull	28.7	8.1	3.0	3.8	46.1	2.5	1.4
Blackburn with Darwen	41.4	1.1	3.4	2.8	23.2	2.1	1.5
Blackpool	1.4	0.7	6.3	1.8	41.7	2.6	1.7
Bolton	23.5	5.4	3.9	3.3	27.4	2.6	1.4

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>
Bradford City	64.5	3.8	5.1	2.6	61.0	0.8	1.6
Bradford Districts	35.6	1.6	3.8	2.7	33.5	2.5	1.5
Brent	27.6	13.6	1.9	6.2	10.6	3.2	1.6
Brighton and Hove	3.9	1.9	2.0	7.3	14.2	2.8	0.8
Bristol, North Somerset and South Gloucestershire	4.3	4.4	2.1	4.8	16.6	3.1	1.1
Bromley	5.9	7.6	1.4	6.2	13.3	3.2	0.9
Buckinghamshire	15.7	2.5	1.4	5	0.3	3.0	0.8
Bury	13.1	2.5	3.0	3.6	11.0	3.0	1.7
Calderdale	14.0	0.6	2.8	3.1	24.3	2.2	1.0
Cambridgeshire and Peterborough	7.5	2.3	2.7	4.2	6.1	3.1	10
Camden	14.2	8.6	0.8	8.9	50.9	4.5	1.0
Cannock Chase	0.9	0.3	2.8	2.2	9.0	3.3	1.8
Canterbury and Coastal	1.6	1.0	3.4	4.3	21.1	3.0	1.4
Castle Point and Rochford	0.8	0.4	2.2	3.0	6.3	3.4	0.7
Central London (Westminster)	9.9	6.7	0.5	10.2	32.7	4.6	1.0
Chorley and South Ribble	1.9	0.5	3.6	2.8	3.7	2.6	1.3
City and Hackney	7.9	17.6	1.6	7.6	38.5	3.3	1.1
Coastal West Sussex	2.1	0.7	2.3	4.6	6.3	2.8	1.2
Corby	2.1	2.2	3.0	2.5	11.2	3.7	1.7
Coventry and Rugby	13.4	8.1	3.5	3.6	26.2	3.0	1.7
Crawley	15.4	5.6	3.1	3.7	1.7	2.9	2.0
Croydon	15.5	19.9	2.4	5.7	5.0	3.3	1.3
Darlington	3.0	1.2	4.7	2.8	36	3.1	0.9
Dartford, Gravesham and Swanley	8.6	8.0	2.0	3.1	13.1	3.0	1.3
Derby and Derbyshire	6.3	1.3	3.8	3.2	20.5	2.5	1.3
Devon	1.1	0.5	2.8	3.8	12.1	2.8	1.0
Doncaster	3.0	1.2	4.2	2.4	37.3	2.2	1.6
Dorset	2.2	0.6	2.7	3.8	7.7	2.8	0.8
Dudley	11.0	2.7	3.4	3.1	32.6	3.0	1.2
Durham Dales, Easington and Sedgefield	0.6	0.1	5.7	2.4	43.8	3.4	1.9
Ealing	29.6	11.5	1.3	6.9	8.1	2.9	1.1

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>
East Berkshire	27.9	4.0	1.5	5.3	0.0	3.7	1.2
East Lancashire	20.5	0.1	3.6	3.0	17	2.9	1.3
East Leicestershire and Rutland	10.3	1.2	1.7	3.9	0.3	3.3	1.2
East Riding of Yorkshire	0.8	0.4	3.0	3.0	9.5	2.7	0.9
East Staffordshire	13.9	0.8	3.1	2.7	1.9	3.3	0.9
East Surrey	5.1	2.7	1.6	4.9	2.0	2.6	1.3
East and North Hertfordshire	4.5	3.6	1.8	5.1	3.2	3.6	1.2
Eastbourne, Hailsham and Seaford	2.2	1.0	2.6	3.5	13.2	3.8	1.2
Eastern Cheshire	2.2	0.6	1.6	4.3	0.8	3.4	0.8
Enfield	8.5	17.6	2.8	6.1	28.9	3.3	1.5
Fareham and Gosport	0.9	1.0	3.3	3.5	6.0	2.8	0.7
Fylde and Wyre	0.6	0.4	2.9	3.5	15.9	2.5	1.0
Gloucestershire	2.7	1.3	2.5	4.1	8.5	2.8	1.2
Great Yarmouth and Waveney	1.1	1.1	5.0	2.4	25.8	3.0	1.3
Greater Huddersfield	19.2	3.2	2.3	4.8	21.9	3.1	1.1
Greater Preston	16.8	1.6	4.7	3.3	15.5	2.5	1.4
Greenwich	10.3	20.2	1.9	6.0	23.9	3.4	1.3
Guildford and Waverley	3.2	0.9	1.7	6.6	0.8	3.7	0.9
Halton	0.9	0.5	5.4	2.5	25.5	3.7	1.6
Hambleton, Richmondshire and Whitby	1.2	0.7	2.2	3.4	1.1	3.9	1.5
Hammersmith and Fulham	6.3	12.1	1.2	8.9	18.1	3.0	1.0
Haringey	6.1	15.2	2.2	6.6	31.5	3.1	1.6
Harrogate and Rural District	1.0	0.7	2.1	5.1	0.0	2.4	1.3
Harrow	36.6	5.9	1.8	5	0.0	3.3	1.2
Hartlepool and Stockton-on-Tees	4.1	1.1	5.3	2.9	49.5	3.3	1.8
Hastings and Rother	1.8	1.1	3.8	4.0	33.5	2.7	1.0
Havering	12.1	7.9	1.5	4.0	12.3	3.8	1.4
Herefordshire	1.2	0.2	2.7	2.5	3.3	4.4	1.5
Herts Valleys	11.3	3.2	1.1	5.7	3.3	3.2	1.1
Heywood, Middleton and Rochdale	23.7	3.5	3.3	2.6	31.6	2.6	1.4
High Weald Lewes Havens	1.8	0.2	2.0	5.9	3.8	4.0	0.9

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>
Hillingdon	35.6	7.9	1.5	5.1	6.0	3.5	1.2
Horsham and Mid Sussex	3.6	0.4	2.2	5.2	0.0	3.5	0.6
Hounslow	33.8	7.9	1.7	5.5	1.7	3.1	1.5
Hull	2.6	1.5	5.5	2.0	53.4	3.0	1.4
Ipswich and East Suffolk	2.5	1.8	3.6	3.8	11.3	3.3	1.1
Isle of Wight	1.0	0.1	5.1	4.1	18.6	2.4	0.7
Islington	6.5	13.4	1.2	6.6	56.3	4.1	1.2
Kernow	0.4	0.1	3.4	3.6	13.5	3.2	1.0
Kingston	12	2.6	0.9	6.8	1.5	3.0	1.0
Knowsley	1.1	0.4	2.9	2.5	46.2	3.4	1.4
Lambeth	4.5	23.7	1.3	8.4	31.2	3.4	1.1
Leeds	10.5	7.3	3.7	3.9	36.2	2.9	1.5
Leicester City	32.4	5.4	3.5	3.6	30.9	2.4	1.4
Lewisham	6.1	22.5	1.4	7.5	24.5	3.6	1.6
Lincolnshire East	1.4	0.5	5.0	2.5	19.7	2.7	1.2
Lincolnshire West	1.3	0.5	3.5	2.5	24.2	3.5	1.6
Liverpool	3.7	2.9	3.0	3.7	52.2	3.2	1.4
Luton	42.5	7.7	2.6	3.3	16.1	3.0	2.1
Manchester	21.6	12.8	2.5	4.6	47.7	3.2	1.4
Mansfield and Ashfield	1.4	0.7	4.0	2.2	32	3.1	1.5
Medway	4.7	4.8	3.1	3.7	23.4	3.1	1.6
Merton	16.1	7.8	1.5	6.3	5.7	3.6	1.0
Mid Essex	2.3	1.2	1.7	3.5	4.4	3.2	0.8
Milton Keynes	12.1	10.7	2.5	4.7	8.4	3.3	1.2
Morecambe Bay	0.1	0.1	4.2	3.3	10.7	2.8	1.5
Nene	4.6	5.0	3.1	3.3	8.2	2.7	1.1
Newark and Sherwood	0.4	0.3	2.5	3.1	16	4.0	0.8
Newcastle Gateshead	8.9	3.2	3.6	3.4	37.2	2.8	1.7
Newham	42.8	13.3	1.6	4.3	10.1	2.9	1.4
North Cumbria	0.7	0.3	3.1	2.7	6.7	2.6	1.2
North Durham	1.2	0.6	4.4	2.9	20.5	2.2	1.4
North East Essex	2.2	2.4	3.4	2.9	25.6	3.8	1.3

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 East Hampshire and Farnham	8.5	2.6	1.6	4.7	0.6	3.4	0.9
North East Lincolnshire	1.6	0.8	6.2	1.9	45.7	2.6	1.5
North Hampshire	5.0	2.0	1.8	3.8	1.2	3.1	1.3
North Kirklees	35.8	0.6	3.1	2.6	18.8	2.1	1.7
North Lincolnshire	3.6	0.7	5.0	2.0	20.1	2.1	0.8
North Norfolk	0.3	0.1	3.4	3.3	0.0	2.8	0.7
North Staffordshire	2.2	0.5	3.5	2.9	10.3	3.1	1.5
North Tyneside	2.2	0.7	3.1	3.2	17.7	2.7	1.0
North West Surrey	12.8	1.8	1.6	5.8	4.0	3.4	0.9
Northumberland	0.6	0.1	4.7	3.0	26.1	3.3	0.9
Norwich	2.7	2.4	2.9	3.5	18.9	2.9	1.2
Nottingham City	15.1	9.1	3.8	3.7	58.7	3.1	1.7
Nottingham North and East	2.9	1.7	3.1	3.4	8.3	4.1	1.8
Nottingham West	5.1	1.5	1.9	4.2	11.9	3.4	0.9
Oldham	31.8	3	4.3	2.8	31.4	2.2	1.4
Oxfordshire	7.2	2.1	1.7	5.3	3.4	3.1	1.1
Portsmouth	5.7	3.4	3.2	3.2	24.4	3.4	1.1
Redbridge	45.9	7.5	1.7	4.5	0.9	3.5	1.5
Redditch and Bromsgrove	4.8	0.7	2.5	3.9	8.5	3.4	1.4
Richmond	7.0	1.7	0.8	10.8	1.0	3.9	1.0
Rotherham	7.4	1.4	4.3	2.4	34.8	3.3	1.3
Rushcliffe	5.2	0.8	1.1	5.6	1.4	4.3	0.8
Salford	4.4	8.0	3.4	3.9	30.6	2.3	1.2
Sandwell and West Birmingham	34.4	14.2	3.5	4.0	50.6	2.8	1.6
Scarborough and Ryedale	1.0	0.1	4.6	3.1	18.2	2.7	1.0
Sheffield	11.8	6.1	3.4	3.6	44.4	2.9	1.3
Shropshire	0.8	0.2	2.8	3.2	6.5	3.5	1.1
Somerset	1.0	0.4	2.7	3.4	5.9	3.1	1.2
South Cheshire	2.3	0.3	3.5	3.5	5.7	2.1	1.2
South East Staffordshire and Seisdon Peninsula	2.5	0.4	3.5	2.5	8.1	3.0	1.8
South Eastern Hampshire	1.3	0.1	3.0	3.9	12.8	3.0	1.3



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>
South Kent Coast	2.0	0.4	3.9	2.2	27.3	2.3	1.8
South Lincolnshire	1.4	0.2	4.1	3.2	2.0	2.2	0.8
South Norfolk	0.7	0.3	2.9	3.0	1.1	3.0	0.9
South Sefton	0.9	0.3	3.1	2.9	33.7	4	1.5
South Tees	7.1	2.2	6.5	2.2	55.8	3.6	1.2
South Tyneside	3.3	0.3	3.3	2.8	53.7	2.5	1.4
South Warwickshire	5.8	0.7	1.7	4.7	1.6	3.0	0.8
South West Lincolnshire	1.1	0.2	2.5	3.8	8.4	2.5	1.1
South Worcestershire	3.4	0.6	2.9	4.4	12.7	3.2	1.4
Southampton	9.1	3.0	3.0	4.0	25	2.9	1.3
Southend	5.3	2.3	3.9	3.8	28.9	4.2	1.2
Southport and Formby	1.3	0.7	1.6	4.7	0.0	2.0	1.1
Southwark	6.6	25.5	1.4	7.4	28.1	3.4	1.2
St Helens	0.9	0.3	5.2	2.8	30.7	2.3	1.3
Stafford and Surrounds	2.7	1.3	2.6	3.7	5.4	4.7	1.1
Stockport	7.2	0.8	2.4	4.2	11.7	3.2	1.1
Stoke on Trent	14.1	3.4	4.6	2.9	38.1	2.9	2.1
Sunderland	3.3	1.1	5.0	2.1	42.4	2.9	1.4
Surrey Downs	5.1	1.1	1.7	7.6	0.8	3.7	1.6
Surrey Heath	8.9	1.0	1.8	5.2	0.0	2.9	0.7
Sutton	14	5.2	2.1	4.8	0.9	3.1	1.0
Swale	1.2	1.5	4.2	2.2	26.1	2.5	1.2
Swindon	10.8	3.2	2.4	3.6	13.2	3.3	0.9
Tameside and Glossop	9.0	2.5	3.3	2.5	15.9	2.7	1.2
Telford and Wrekin	5.8	3.0	4.0	3.3	25.1	3.0	1.5
Thanet	1.6	1.0	5.3	2.9	40.7	2.5	1.0
Thurrock	6.0	11.1	2.3	3.2	8.4	3.5	1.4
Tower Hamlets	49.0	6.3	1.1	5.6	68.6	2.4	1.2
Trafford	12.4	2.7	1.1	5.1	11.7	3.5	0.7
Vale Royal	1.5	0.4	3.1	3.5	8.5	1.9	1.0
Vale of York	2.0	0.4	2.7	4.5	4.1	2.6	1.1
Wakefield	5.0	1.6	4.2	2.1	18.9	2.6	0.9

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>
Walsall	20.7	5.1	4.5	2.7	53.8	2.3	1.9
Waltham Forest	18	11.6	1.5	5.8	11	3.3	1.3
Wandsworth	8.7	7.5	0.8	8.1	13.3	4.0	1.0
Warrington	3.2	0.8	3.7	3.6	4.3	3.6	1.3
Warwickshire North	4.8	1.3	3.8	2.6	13.4	2.6	1.3
West Cheshire	1.8	0.2	2.3	4.0	11	2.5	1.1
West Essex	4.8	3.0	1.9	4.3	1.5	2.9	0.9
West Hampshire	2.6	0.9	1.7	4.8	1.9	3.0	1.1
West Kent	2.7	1.1	1.9	4.8	6.9	3.5	1.0
West Lancashire	0.4	0.4	3.3	4.1	15.2	2.4	1.6
West Leicestershire	5.6	0.9	2.7	4.1	5.6	3.0	1.2
West London	6.3	8.6	0.5	10.9	29.2	4.2	1.6
West Norfolk	1.1	0.3	4.1	2.9	11.6	3.2	0.8
West Suffolk	1.6	0.9	2.3	3.2	1.9	2.1	1.2
Wigan Borough	1.3	1.0	3.8	2.5	16.2	3.0	1.2
Wiltshire	2.0	1.7	2.1	3.6	2.9	3.6	1.3
Wirral	2.0	0.2	3.3	3.2	29.1	2.6	1.1
Wolverhampton	19.7	8.6	4.4	3.7	52.4	3.0	1.5
Wyre Forest	2.3	0.3	2.3	3.4	25.2	3.9	1.4
<b>SCOTLAND</b>							
Ayrshire and Arran	1.3	0.2	4.3	3.0	33.3	3.8	1.5
Borders	0.2	0.4	2.1	4.3	8.0	6.5	1.1
Dumfries and Galloway	0.4	0.1	3.5	4.0	12.7	4.9	1.1
Fife	2.1	0.4	4.5	3.3	23.8	5.0	1.1
Forth Valley	1.3	0.3	2.7	4.2	19.5	3.2	1.4
Grampian	2.8	2.3	2.0	4.0	4.8	4.8	1.0
Greater Glasgow and Clyde	3.8	1.4	2.9	4.4	34.6	4.6	1.3
Highland	1.2	0.2	3.4	3.5	9.4	6.1	1.1
Highlands	0.0	0.0	0.0	0.0	0.0	50.0	0.0
Lanarkshire	1.3	0.3	3.8	3.7	21.1	4.4	1.1
Lothian	4.8	2.1	2.4	5	16.3	5.1	1.3
Orkney	0.0	0.0	0.0	2.8	0.0	5.6	2.8

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>
Shetland	0.0	0.0	1.4	5.9	0.0	7.3	0.5
Tayside	2.7	0.7	3.7	3.5	23.2	6.7	1.6
<b>WALES</b>							
Aneurin Bevan University Health Board	3.5	1.2	3.7	2.4	30.8	2.9	1.4
Betsi Cadwaladr University Health Board	0.9	0.1	4.0	3.2	19.5	3.2	1.2
Cardiff and Vale University Health Board	7.5	3.8	2.8	4.0	33.7	3.4	1.1
Cwm Taf Morgannwg University Health Board	0.8	0.3	4.5	2.1	34.5	2.8	1.2
Hywel Dda University Health Board	0.4	0.1	4.3	3.8	17.1	2.5	1.2
Powys Teaching Health Board	0.7	0.0	2.0	3.8	8.0	3.4	1.4
Swansea Bay University Health Board	1.2	0.3	4.2	3.6	40	3.3	1.3
<b>NORTHERN IRELAND</b>							
Belfast	1.4	2.2	3.8	4.0	50.9	3.4	1.2
Northern	0.4	0.3	3.0	3.9	19	3.4	1.2
South Eastern	0.4	0.2	3.2	4.0	19.5	3.6	1.1
Southern	0.3	0.7	2.1	3.5	16.5	3.5	1.2
Western	0.4	0.3	2.2	4.2	36.1	2.9	1.0
<b>GUERNSEY</b>	0.0	0.0	2.4	4.9	0.0	96	0.6
<b>JERSEY</b>	1.2	1.0	3	5.6	0.0	3.9	0.8
<b>ISLE OF MAN</b>	0.0	0.0	1.0	6.3	0.0	5.5	1.0

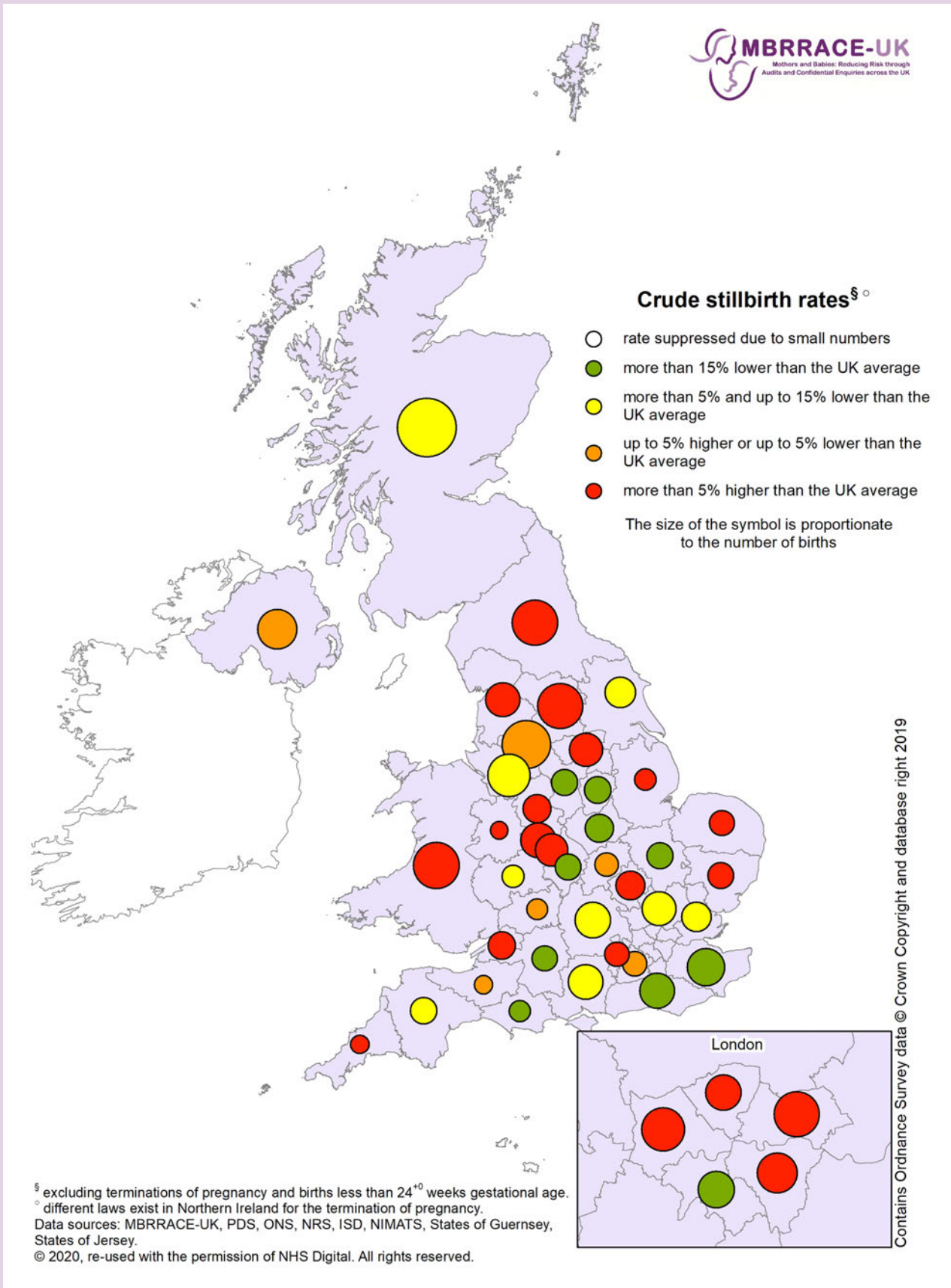
<sup>§</sup> Percentage of all births in each commissioning organisation which fall within this category  
Data sources: MBRRACE-UK, PDS, ONS, NRS, ISD, NIMATS, States of Guernsey, States of Jersey  
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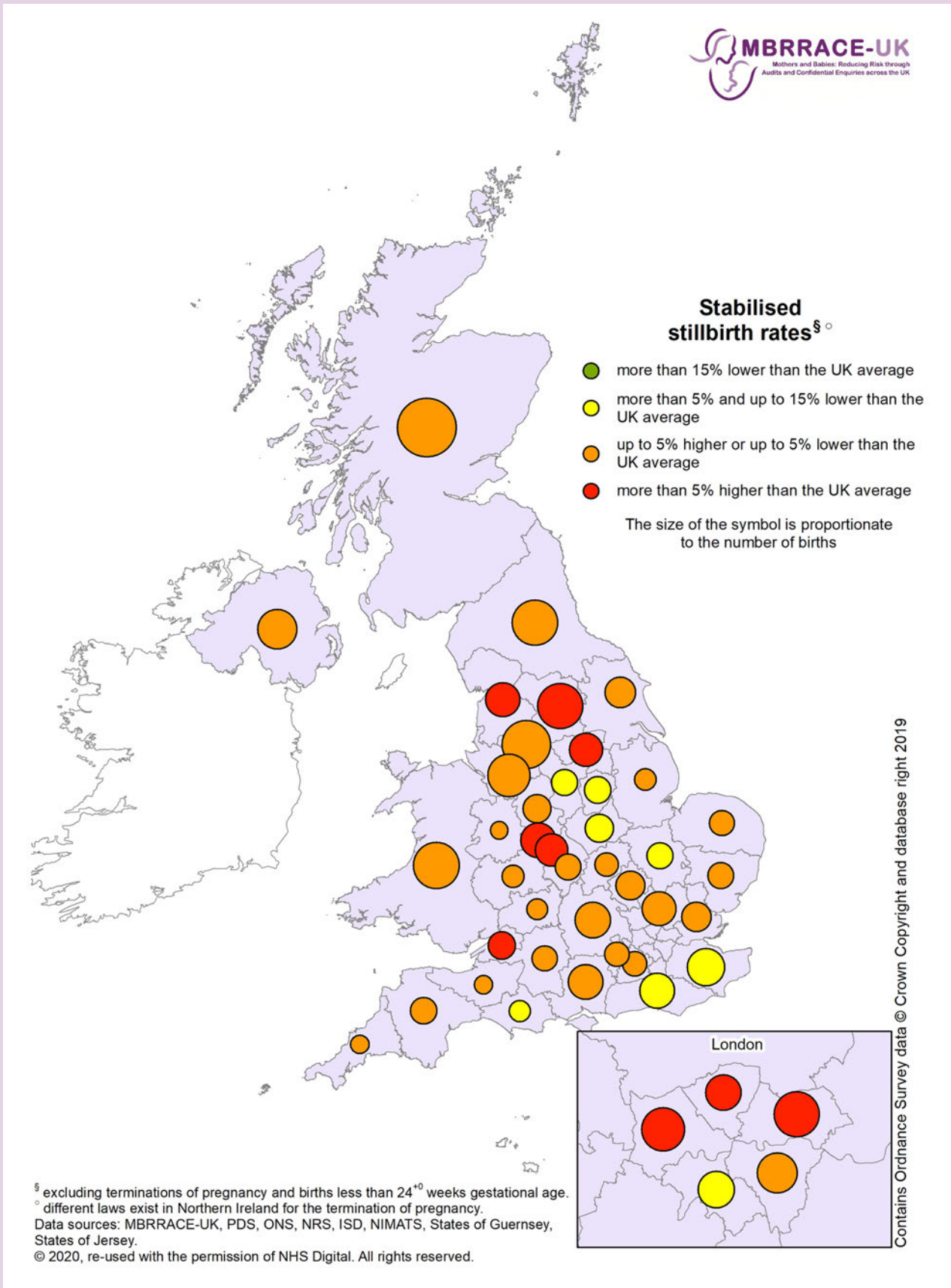
## **2.3 Mortality rates by Sustainability and Transformation Partnerships (England), or country of residence**

Maps begin on page 34.

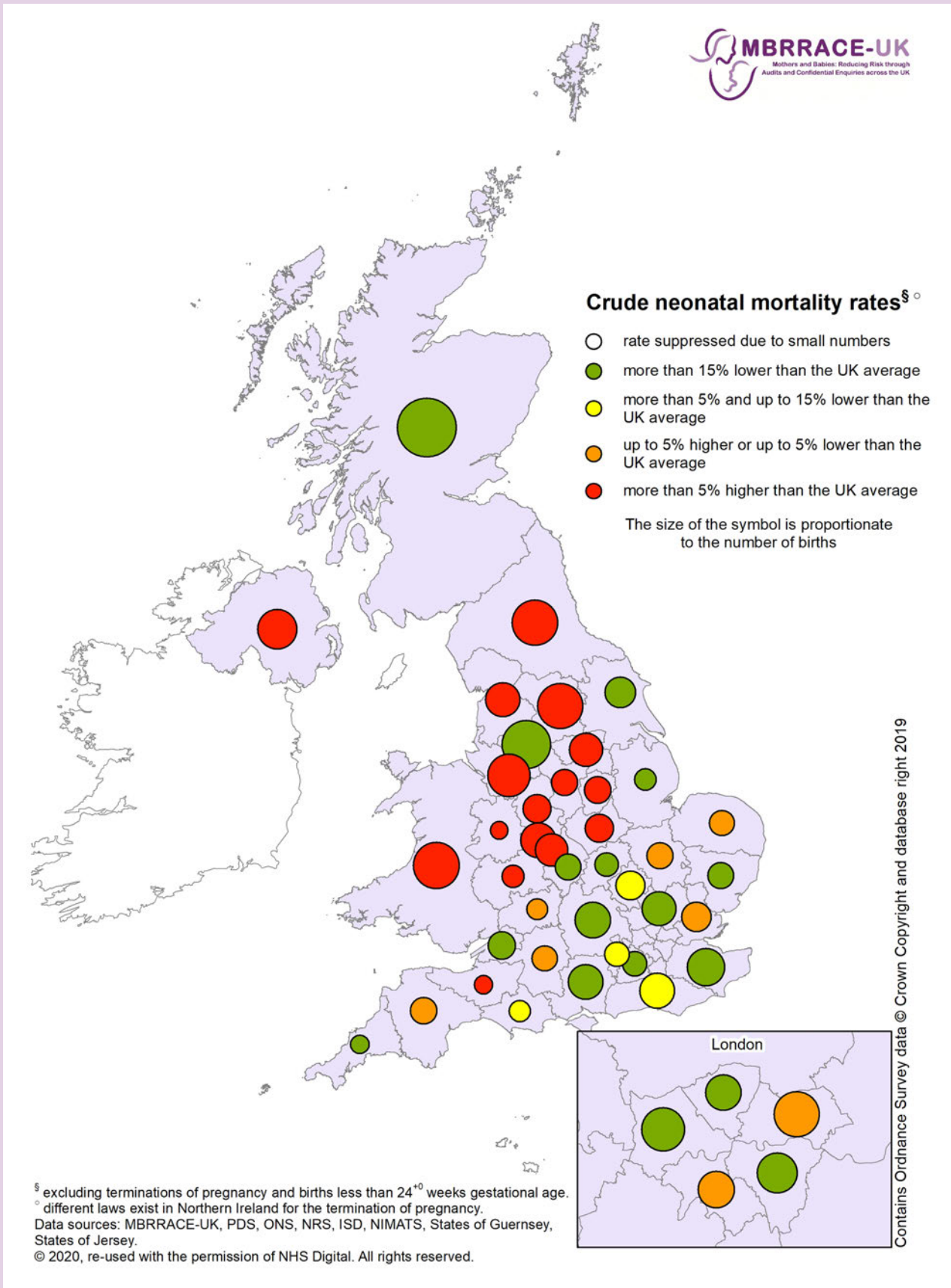
**Figure 7: Crude stillbirth rates by Sustainability and Transformation Partnership (England) and country of residence (Scotland, Wales and Northern Ireland) based on postcode of mother's residence at time of delivery: United Kingdom, for births in 2018**



**Figure 8: Stabilised stillbirth rates by Sustainability and Transformation Partnership (England) and country of residence (Scotland, Wales and Northern Ireland) based on postcode of mother's residence at time of delivery: United Kingdom, for births in 2018**

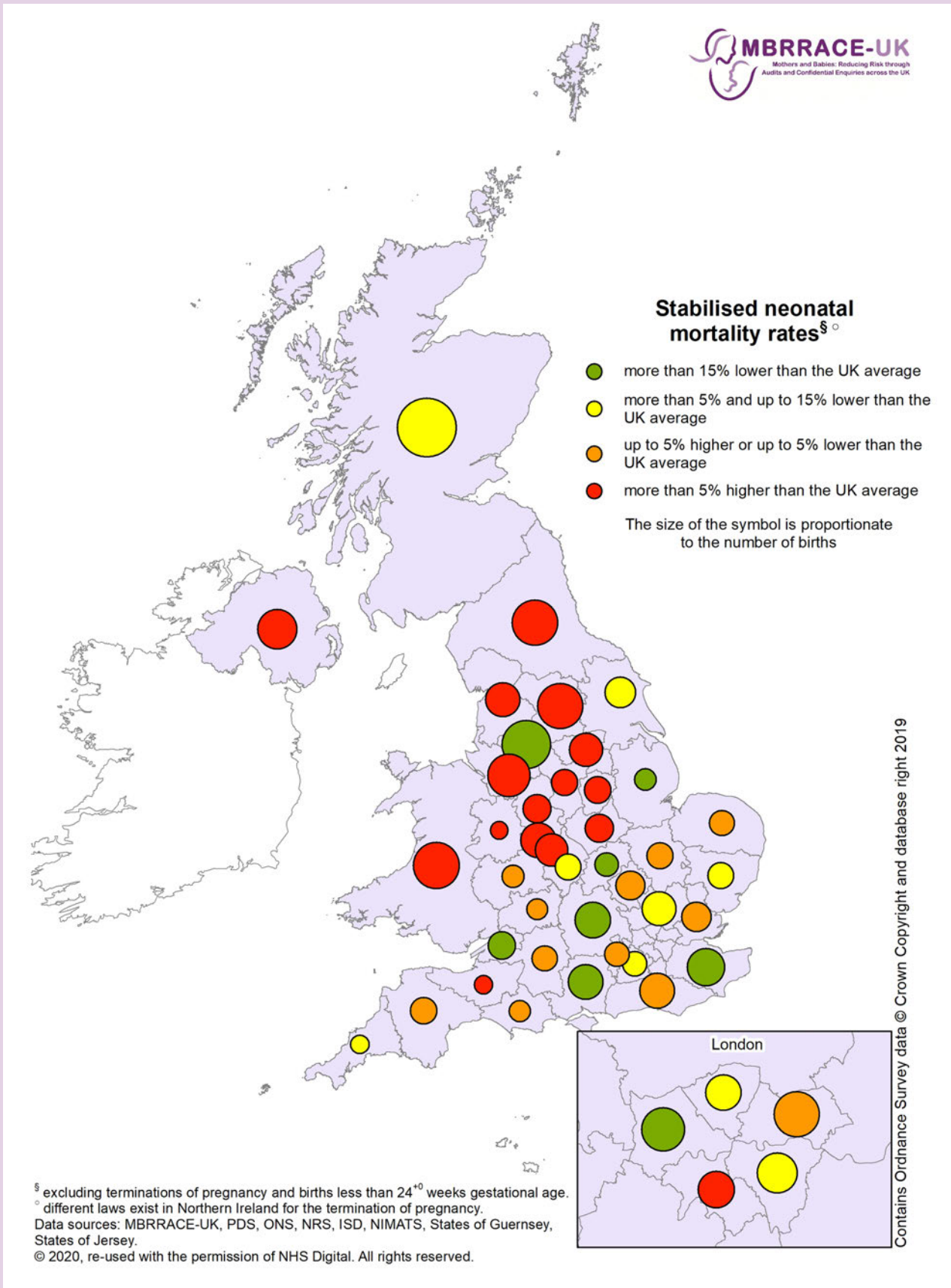


**Figure 9: Crude neonatal mortality rates by Sustainability and Transformation Partnership (England) and country of residence (Scotland, Wales and Northern Ireland) based on postcode of mother's residence at time of delivery: United Kingdom, for births in 2018**

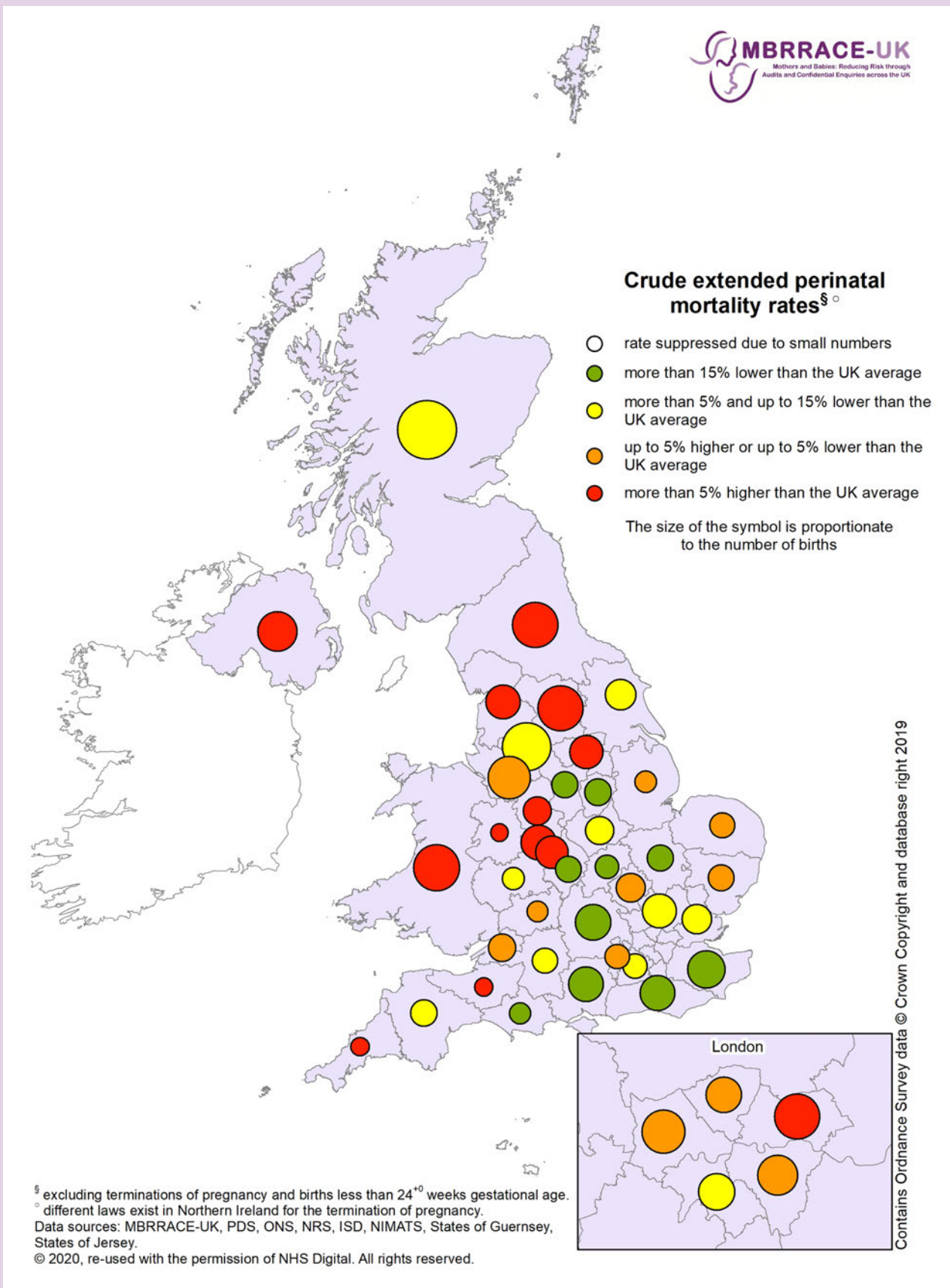




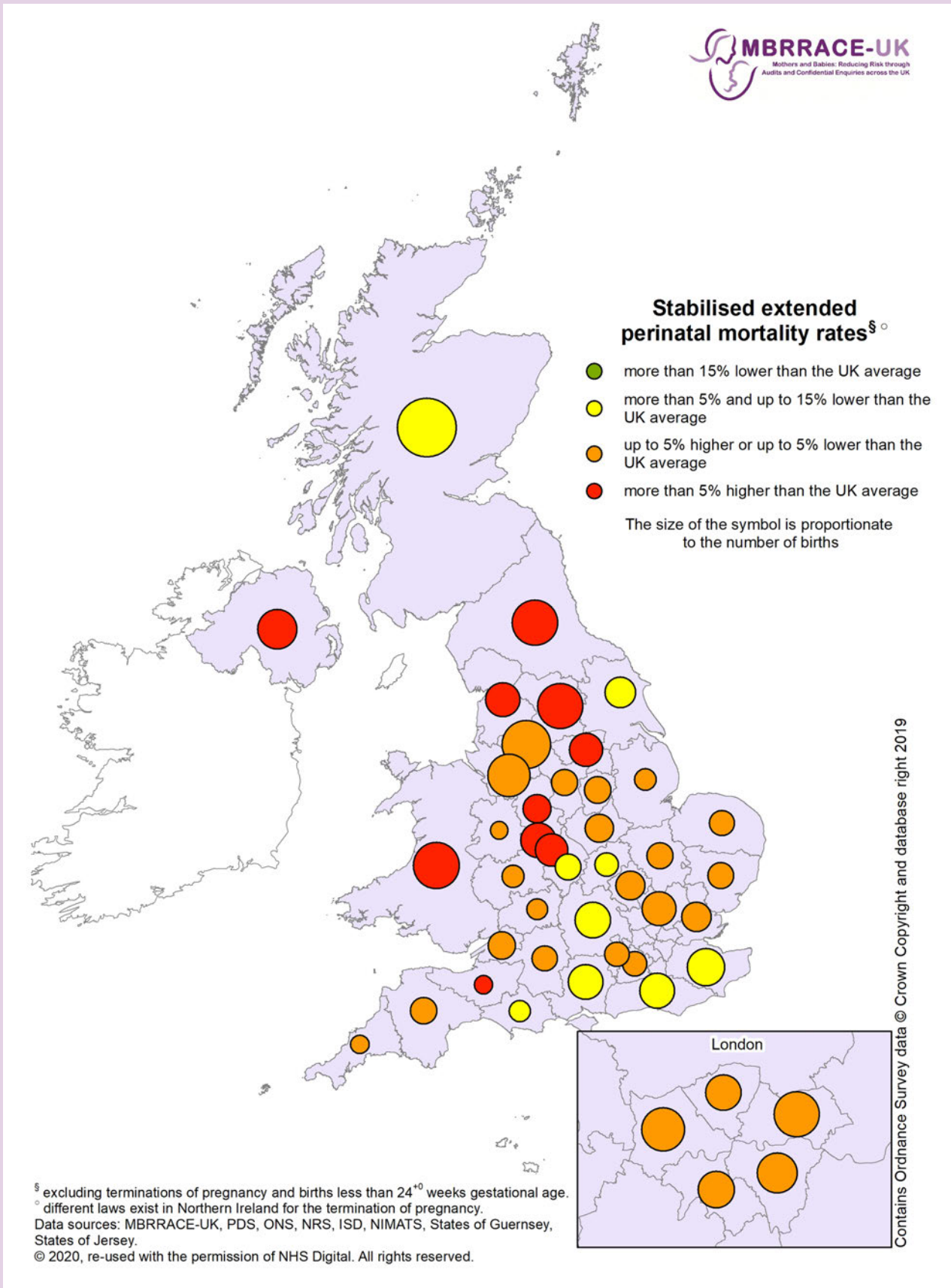
**Figure 10: Stabilised neonatal mortality rates by Sustainability and Transformation Partnership (England) and country of residence (Scotland, Wales and Northern Ireland) based on postcode of mother's residence at time of delivery: United Kingdom, for births in 2018**



**Figure 11: Crude extended perinatal mortality rates by Sustainability and Transformation Partnership (England) and country of residence (Scotland, Wales and Northern Ireland) based on postcode of mother's residence at time of delivery: United Kingdom, for births in 2018**



**Figure 12: Stabilised extended perinatal mortality rates by Sustainability and Transformation Partnership (England) and country of residence (Scotland, Wales and Northern Ireland) based on postcode of mother's residence at time of delivery: United Kingdom, for births in 2018**



**Table 14: Crude and stabilised stillbirth, neonatal, extended perinatal mortality rates by Sustainability and Transformation Partnership (England) and country of residence (Scotland, Wales, Northern Ireland) based on postcode of mother's residence at time of delivery: United Kingdom, for births in 2018**

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
<b>ENGLAND</b>								
Bath, Swindon and Wiltshire	9,172	2.94	3.39 (2.81 to 4.02)	1.64	1.66 (1.16 to 2.35)	4.58	5.05 (4.28 to 6.00)	●
Birmingham and Solihull	15,563	4.82	3.94 (3.26 to 5.02)	2.78	2.43 (1.71 to 3.36)	7.58	6.35 (5.37 to 7.78)	●
Bristol, North Somerset and South Gloucestershire	11,162	4.21	3.69 (3.15 to 4.45)	0.90	1.29 (0.87 to 1.93)	5.11	4.98 (4.29 to 5.88)	●
Buckinghamshire, Oxfordshire and Berkshire West	18,595	3.07	3.36 (2.86 to 3.93)	0.97	1.25 (0.89 to 1.80)	4.03	4.61 (3.98 to 5.44)	●
Cambridgeshire and Peterborough	10,079	2.48	3.28 (2.71 to 3.97)	1.69	1.69 (1.16 to 2.48)	4.17	4.96 (4.15 to 5.94)	●
Cheshire and Merseyside	26,270	3.27	3.42 (2.98 to 3.89)	1.76	1.76 (1.31 to 2.36)	5.02	5.17 (4.50 to 5.93)	●
Cornwall and the Isles of Scilly	5,021	4.58	3.65 (3.07 to 4.48)	1.00	1.45 (0.95 to 2.16)	5.58	5.09 (4.35 to 6.10)	●
Coventry and Warwickshire	10,282	2.82	3.36 (2.79 to 3.95)	1.17	1.43 (0.99 to 2.08)	3.99	4.78 (4.13 to 5.68)	●
Cumbria and North East	30,888	3.72	3.62 (3.18 to 4.21)	1.82	1.82 (1.41 to 2.40)	5.54	5.43 (4.79 to 6.19)	●
Derbyshire	10,284	2.43	3.27 (2.70 to 3.93)	1.75	1.72 (1.23 to 2.49)	4.18	4.98 (4.20 to 6.06)	●
Devon	10,710	2.99	3.39 (2.83 to 3.93)	1.59	1.64 (1.15 to 2.38)	4.58	5.02 (4.33 to 6.01)	●
Dorset	6,658	1.95	3.26 (2.67 to 3.99)	1.50	1.60 (1.11 to 2.30)	3.45	4.86 (4.09 to 5.85)	●
Frimley Health	8,891	3.71	3.55 (3.06 to 4.27)	1.47	1.58 (1.09 to 2.34)	5.17	5.13 (4.47 to 6.15)	●
Gloucestershire	6,471	3.40	3.49 (2.93 to 4.13)	1.71	1.68 (1.18 to 2.47)	5.10	5.17 (4.38 to 6.27)	●
Greater Manchester	35,232	3.63	3.58 (3.13 to 4.22)	1.17	1.31 (1.01 to 1.76)	4.8	4.89 (4.39 to 5.67)	●
Hampshire and the Isle of Wight	17,861	3.08	3.37 (2.84 to 3.95)	1.07	1.31 (0.91 to 1.82)	4.14	4.68 (4.08 to 5.48)	●
Herefordshire and Worcestershire	7,367	2.99	3.42 (2.84 to 4.06)	1.77	1.71 (1.15 to 2.51)	4.75	5.12 (4.36 to 6.08)	●
Hertfordshire and West Essex	17,412	3.27	3.44 (2.93 to 3.99)	1.38	1.50 (1.12 to 2.10)	4.65	4.94 (4.29 to 5.74)	●
Humber, Coast and Vale	13,459	3.19	3.43 (2.89 to 3.96)	1.19	1.41 (1.01 to 2.09)	4.38	4.84 (4.19 to 5.70)	●
Kent and Medway	20,470	2.83	3.27 (2.76 to 3.89)	1.03	1.27 (0.95 to 1.77)	3.86	4.54 (3.91 to 5.32)	●
Lancashire and South Cumbria	17,536	4.11	3.72 (3.18 to 4.43)	2.06	1.95 (1.43 to 2.63)	6.16	5.66 (4.90 to 6.62)	●
Leicester, Leicestershire and Rutland	11,833	2.70	3.31 (2.74 to 3.98)	1.95	1.84 (1.33 to 2.62)	4.65	5.14 (4.40 to 6.13)	●
Lincolnshire	7,043	4.12	3.62 (3.05 to 4.33)	0.86	1.35 (0.89 to 2.03)	4.97	4.96 (4.28 to 5.90)	●
Mid and South Essex	13,416	3.21	3.43 (2.91 to 4.01)	1.57	1.62 (1.16 to 2.36)	4.77	5.05 (4.43 to 5.99)	●

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
Milton Keynes, Bedfordshire and Luton	12,227	3.84	3.60 (3.10 to 4.18)	1.48	1.57 (1.14 to 2.29)	5.32	5.17 (4.50 to 6.09)	●
Norfolk and Waveney	9,509	3.68	3.55 (3.01 to 4.25)	1.69	1.69 (1.18 to 2.50)	5.36	5.23 (4.51 to 6.23)	●
North Central London	19,017	4.00	3.69 (3.13 to 4.39)	1.37	1.49 (1.10 to 2.10)	5.36	5.18 (4.50 to 6.15)	●
North East London	30,704	3.88	3.69 (3.19 to 4.32)	1.67	1.70 (1.31 to 2.22)	5.54	5.38 (4.74 to 6.18)	●
North West London	27,888	3.91	3.70 (3.14 to 4.26)	1.04	1.24 (0.93 to 1.75)	4.95	4.94 (4.29 to 5.73)	●
Northamptonshire	8,543	3.51	3.51 (2.99 to 4.19)	0.82	1.30 (0.87 to 2.00)	4.33	4.81 (4.12 to 5.80)	●
Nottinghamshire	10,811	2.22	3.21 (2.60 to 3.93)	1.76	1.73 (1.24 to 2.51)	3.98	4.93 (4.11 to 5.96)	●
Shropshire and Telford and Wrekin	4,784	4.18	3.59 (3.02 to 4.35)	2.10	1.81 (1.20 to 2.70)	6.27	5.39 (4.53 to 6.54)	●
Somerset	5,227	3.63	3.52 (2.98 to 4.17)	2.30	1.89 (1.28 to 2.93)	5.93	5.41 (4.57 to 6.60)	●
South East London	24,156	3.81	3.64 (3.14 to 4.22)	1.29	1.42 (1.07 to 1.90)	5.09	5.06 (4.47 to 5.81)	●
South West London	19,911	2.91	3.30 (2.82 to 3.88)	1.71	1.72 (1.30 to 2.37)	4.62	5.01 (4.37 to 5.91)	●
South Yorkshire and Bassetlaw	16,253	4.31	3.78 (3.20 to 4.51)	2.47	2.22 (1.64 to 3.13)	6.77	5.98 (5.08 to 7.12)	●
Staffordshire	11,651	4.03	3.65 (3.10 to 4.40)	2.59	2.22 (1.57 to 3.20)	6.61	5.85 (4.96 to 7.02)	●
Suffolk and North East Essex	9,835	3.97	3.61 (3.05 to 4.33)	1.33	1.51 (1.06 to 2.21)	5.29	5.12 (4.39 to 6.02)	●
Surrey Heartlands	9,128	3.40	3.49 (2.96 to 4.05)	1.32	1.51 (1.08 to 2.18)	4.71	4.99 (4.30 to 5.87)	●
Sussex and East Surrey	18,240	2.63	3.22 (2.67 to 3.86)	1.48	1.57 (1.14 to 2.18)	4.11	4.78 (4.04 to 5.65)	●
The Black Country	17,800	4.55	3.88 (3.25 to 4.80)	3.33	2.89 (2.16 to 3.97)	7.87	6.74 (5.72 to 8.08)	●
West Yorkshire	30,298	3.86	3.68 (3.17 to 4.28)	2.52	2.38 (1.82 to 3.16)	6.37	6.05 (5.30 to 6.96)	●
<b>SCOTLAND</b>	51,479	3.22	3.35 (2.95 to 3.89)	1.36	1.44 (1.13 to 1.85)	4.58	4.79 (4.24 to 5.46)	●
<b>WALES</b>	31,399	3.79	3.65 (3.17 to 4.21)	1.95	1.92 (1.49 to 2.53)	5.73	5.56 (4.93 to 6.45)	●
<b>NORTHERN IRELAND<sup>°</sup></b>	23,008	3.43	3.49 (2.99 to 4.04)	2.05	1.97 (1.46 to 2.67)	5.48	5.45 (4.74 to 6.27)	●

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

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

<sup>#</sup> colours represent variation from comparator group average extended perinatal mortality rate

<sup>°</sup> different laws exist in Northern Ireland for the termination of pregnancy

\* entry suppressed because of small number of deaths

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

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

The shading in Table 15 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: 4.5% 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 15: Proportion of mothers giving birth in population characteristic groups by Sustainability and Transformation Partnerships (England) or country of residence, for births in 2018**

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>
Bath, Swindon and Wiltshire	4.5	1.9	2.1	3.7	5.7	3.1	1.1
Birmingham and Solihull	28.7	8.1	3.0	3.8	46.1	2.5	1.4
Bristol, North Somerset and South Gloucestershire	4.3	4.4	2.1	4.8	16.6	3.1	1.1
Buckinghamshire, Oxfordshire and Berkshire West	11.5	2.7	1.6	5.1	2.8	3.1	1.1
Cambridgeshire and Peterborough	7.5	2.3	2.7	4.2	6.1	3.1	1.0
Cheshire and Merseyside	2.2	1.0	3.2	3.4	26.8	3.0	1.3
Cornwall and the Isles of Scilly	0.4	0.1	3.4	3.6	13.5	3.2	1.0
Coventry and Warwickshire	9.7	4.8	3.1	3.6	17.4	2.9	1.4
Cumbria and North East	3.7	1.2	4.4	2.8	34.4	3.0	1.4
Derbyshire	6.3	1.3	3.8	3.2	20.5	2.5	1.3
Devon	1.1	0.5	2.8	3.8	12.1	2.8	1.0
Dorset	2.2	0.6	2.7	3.8	7.7	2.8	0.8
Frimley Health	20.6	3.3	1.5	5.1	0.2	3.5	1.1
Gloucestershire	2.7	1.3	2.5	4.1	8.5	2.8	1.2
Greater Manchester	15.5	5.3	3.1	3.6	26.8	2.8	1.3
Hampshire and the Isle of Wight	4.0	1.6	2.6	4.1	11.4	3.0	1.1
Herefordshire and Worcestershire	3.1	0.5	2.7	3.7	11.2	3.6	1.4
Hertfordshire and West Essex	7.4	3.3	1.5	5.2	2.9	3.3	1.1

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>
Humber, Coast and Vale	2.0	0.7	4.3	2.9	25.6	2.7	1.1
Kent and Medway	3.8	2.9	3.0	3.7	18.1	3.0	1.3
Lancashire and South Cumbria	12.5	0.5	4.0	3.0	17.2	2.6	1.4
Leicester, Leicestershire and Rutland	17.4	2.8	2.7	3.9	14.1	2.8	1.3
Lincolnshire	1.3	0.4	3.9	2.8	15.8	2.8	1.3
Mid and South Essex	3.6	3.6	2.5	3.5	10.9	3.5	1.1
Milton Keynes, Bedfordshire and Luton	17.9	6.5	2.4	4.0	9.1	3.2	1.3
Norfolk and Waveney	1.3	1.0	3.6	3.0	12.4	3.0	1.0
North Central London	9.3	12.6	1.7	6.7	30.2	3.4	1.3
North East London	30.2	12	1.7	5.2	22	3.2	1.3
North West London	26.3	9.6	1.4	6.8	10.6	3.4	1.3
Northamptonshire	4.4	4.7	3.1	3.2	8.5	2.8	1.2
Nottinghamshire	7.2	3.9	3.1	3.5	31.5	3.5	1.4
Shropshire and Telford and Wrekin	3.0	1.4	3.3	3.2	14.5	3.3	1.2
Somerset	1.0	0.4	2.7	3.4	5.9	3.1	1.2
South East London	7.1	19.1	1.5	6.7	22.6	3.4	1.2
South West London	12.5	9.4	1.5	7.0	5.8	3.5	1.1
South Yorkshire and Bassetlaw	6.6	2.9	4.0	2.9	36.7	2.7	1.4
Staffordshire	7.0	1.4	3.6	2.8	16.2	3.3	1.6
Suffolk and North East Essex	2.2	1.8	3.2	3.3	14.0	3.2	1.2
Surrey Heartlands	8.3	1.4	1.6	6.5	2.3	3.5	1.1
Sussex and East Surrey	4.0	1.5	2.4	5.0	8.8	3.0	1.1
The Black Country	24.2	9.0	3.9	3.5	48	2.8	1.6
West Yorkshire	19.3	3.4	3.5	3.4	28.6	2.6	1.3
<b>Scotland</b>	2.7	1.1	3.1	4.1	21.2	4.9	1.2
<b>Wales</b>	2.5	1.0	3.8	3.1	28.3	3.0	1.2
<b>Northern Ireland</b>	0.6	0.8	2.8	3.9	27.3	3.4	1.2

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

Data sources: MBRRACE-UK, PDS, ONS, NRS, ISD, NIMATS

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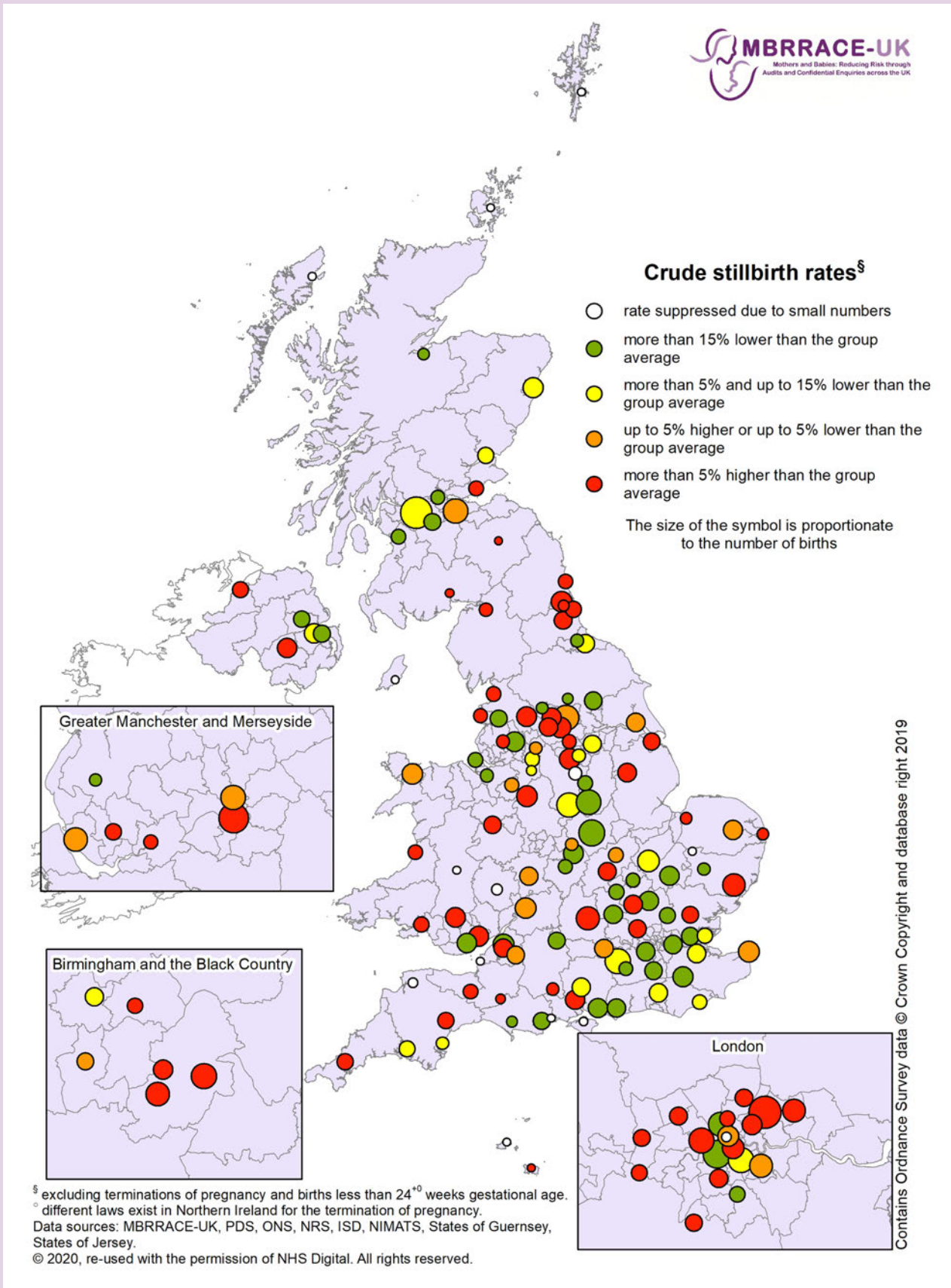
## **3. Mortality rates by healthcare provider**

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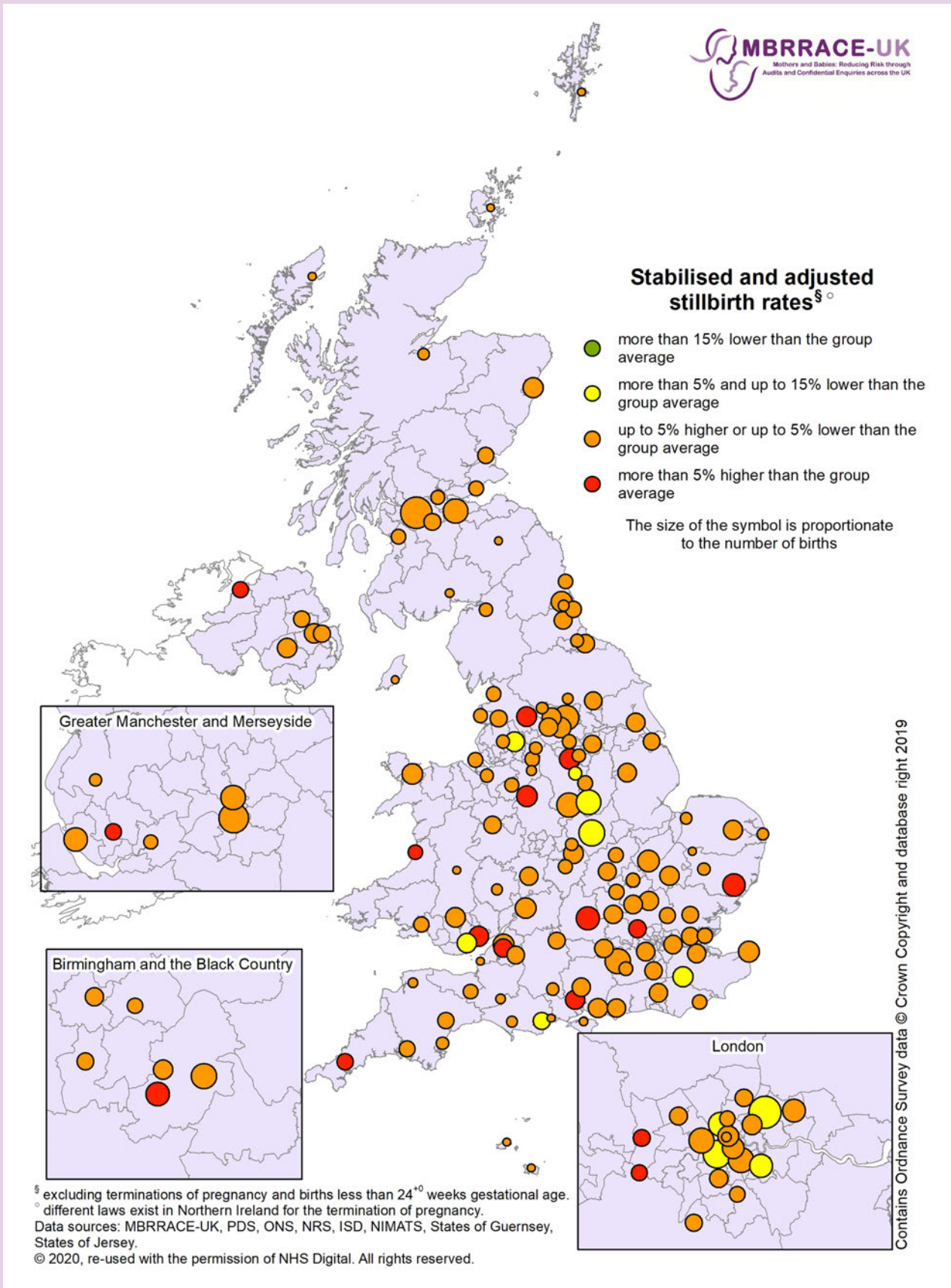
### **3.1 Mortality rates for individual Trusts and Health Boards**

Maps begin on page 46.

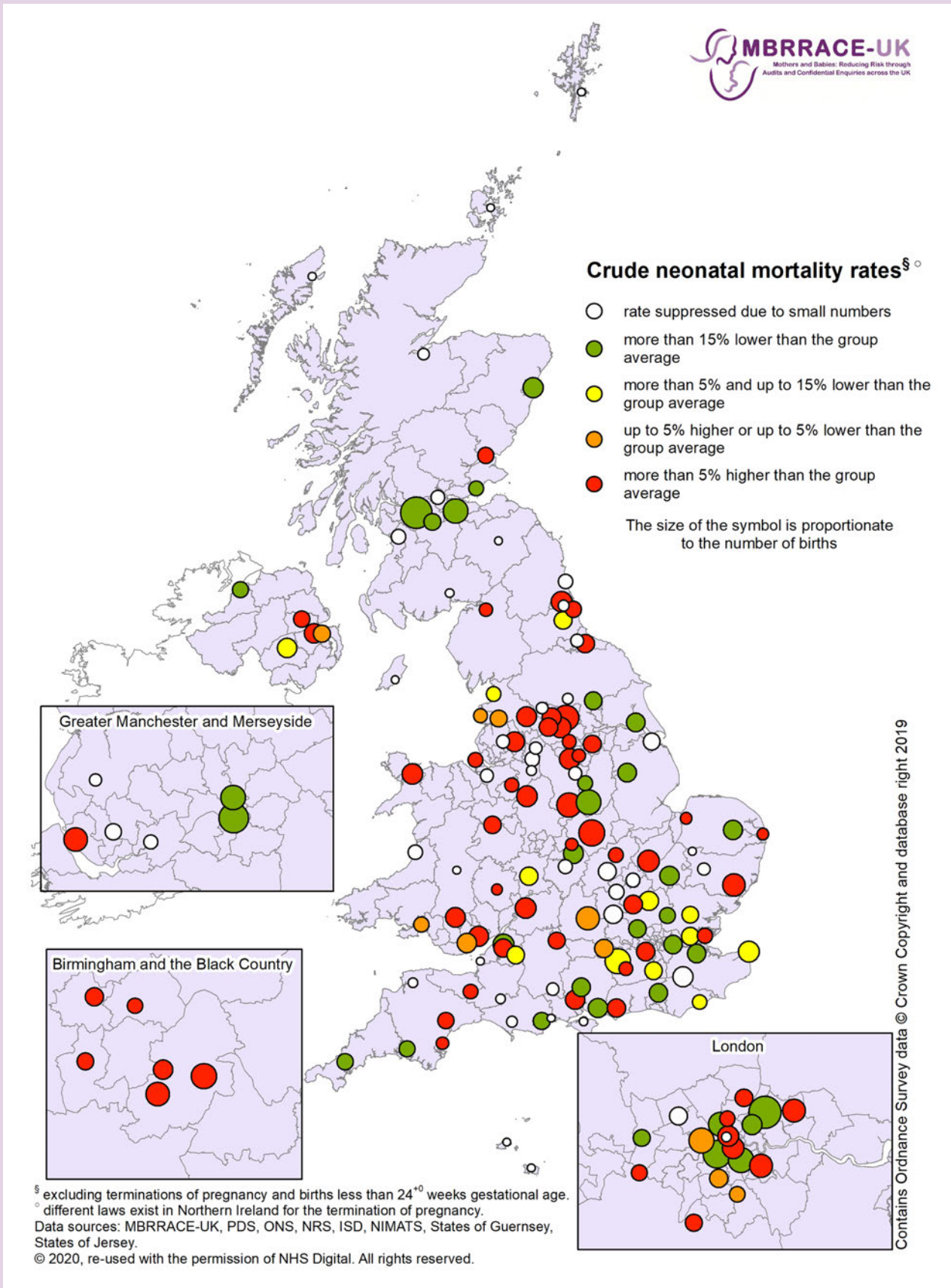
**Figure 13: Crude stillbirth mortality rates by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018**



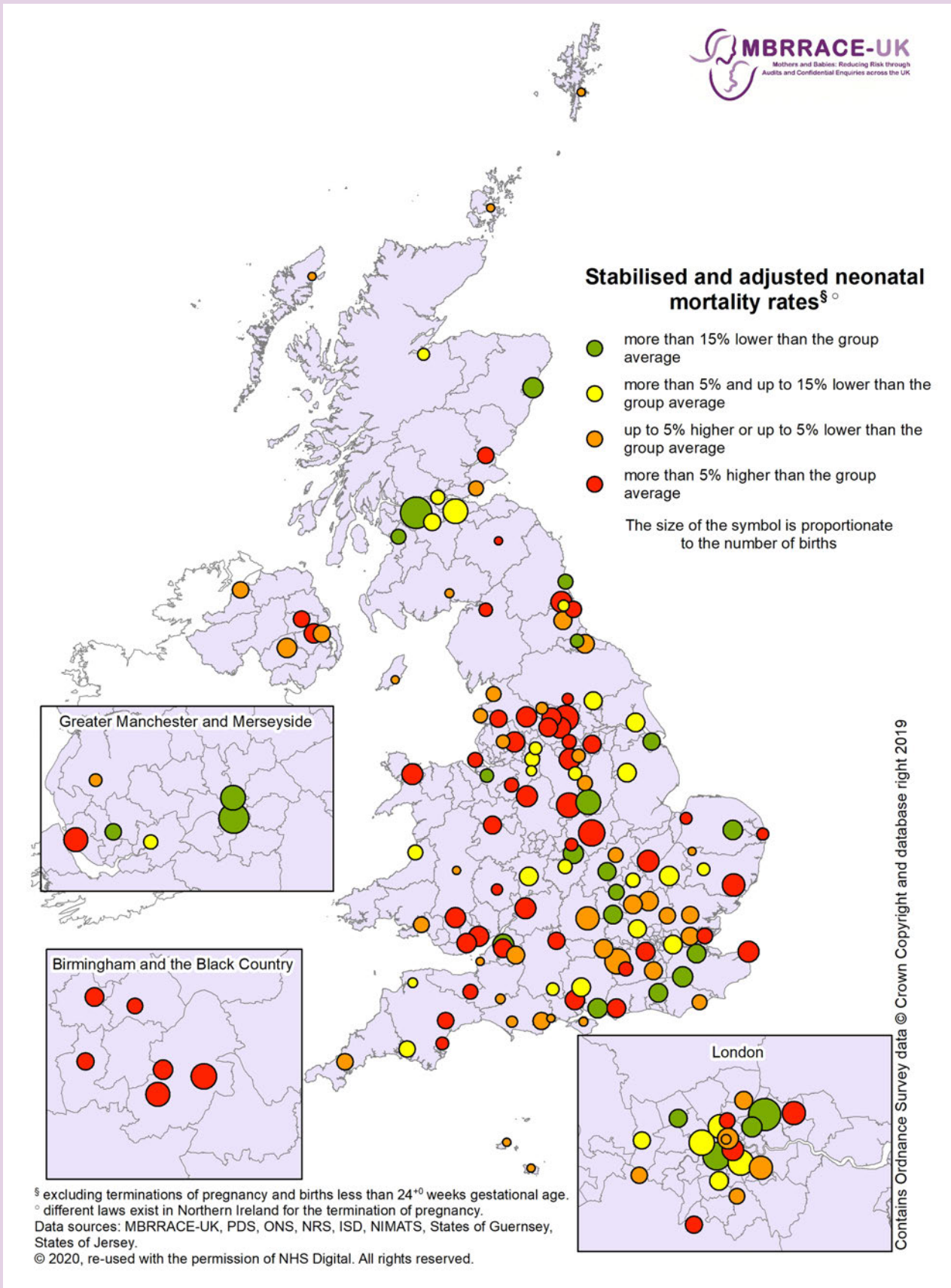
**Figure 14: Stabilised & adjusted stillbirth mortality rates by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018**



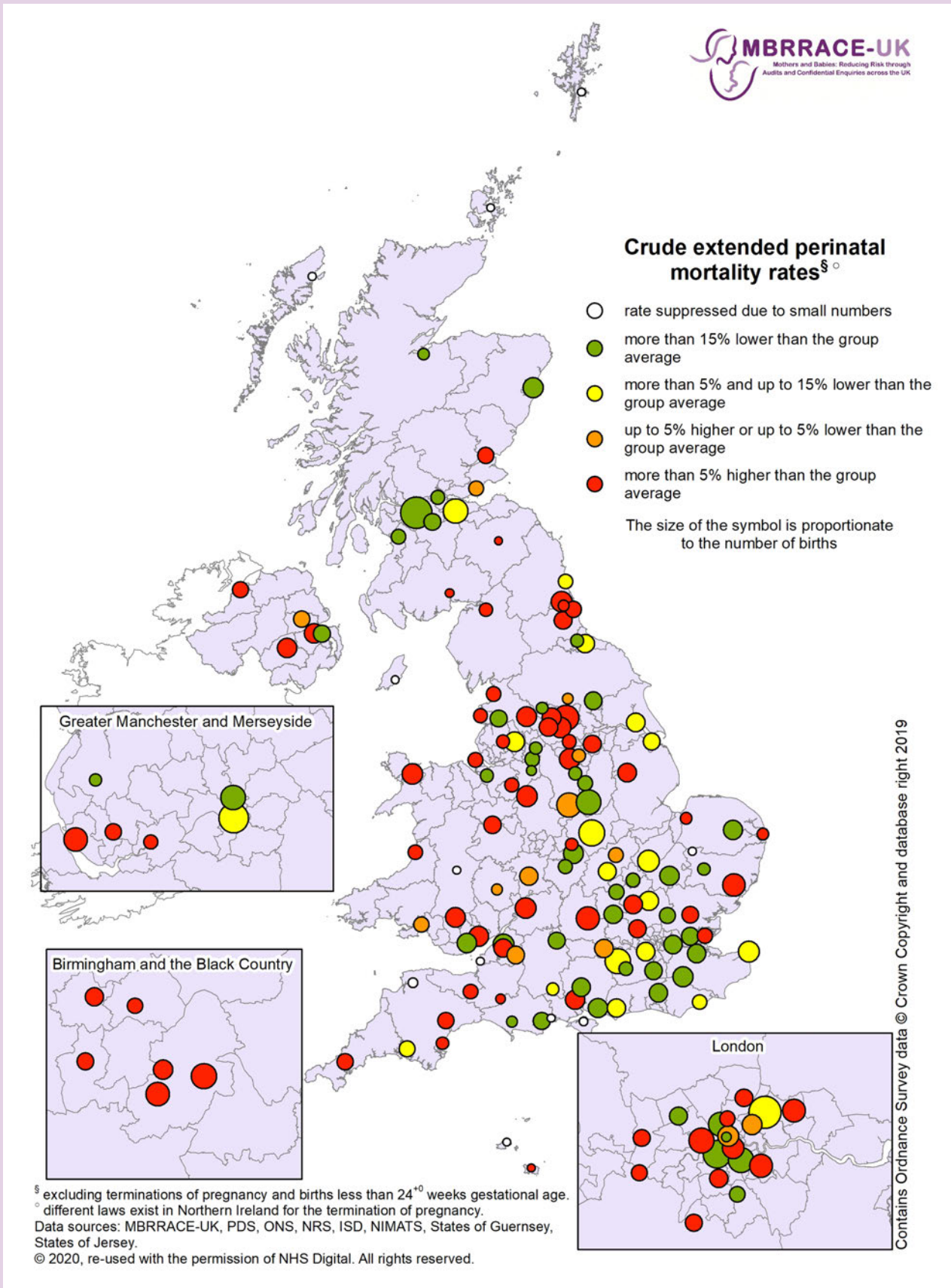
**Figure 15: Crude neonatal mortality rates by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018**



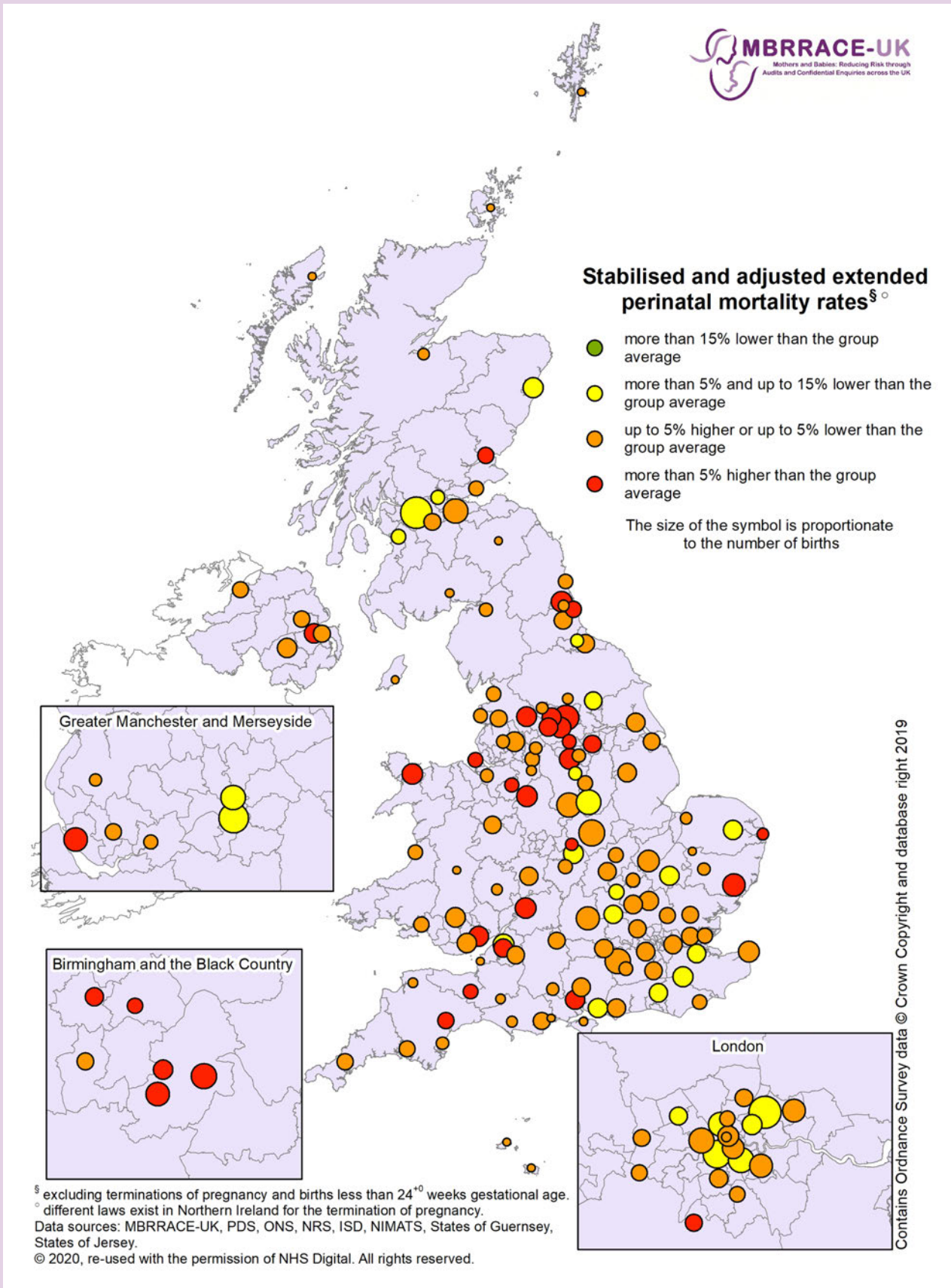
**Figure 16: Stabilised & adjusted neonatal mortality rates by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018**



**Figure 17: Crude extended perinatal mortality rates by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018**



**Figure 18: Stabilised & adjusted extended perinatal mortality rates by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018**



**Table 16: Crude and stabilised & adjusted stillbirth, neonatal, and extended perinatal mortality rates by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018  
FOR TRUSTS AND HEALTH BOARDS WITH NEONATAL SURGICAL PROVISION AND A LEVEL 3 NICU**

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>†</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
Average for comparator group			3.76		2.36		6.12	
<b>ENGLAND</b>								
Barts Health NHS Trust	15,303	3.99	3.50 (2.87 to 4.40)	1.77	1.86 (1.27 to 2.60)	5.75	5.37 (4.70 to 6.83)	●
Birmingham Women's and Children's NHS Foundation Trust	8,160	5.39	3.97 (3.27 to 4.99)	5.17	3.97 (2.94 to 5.56)	10.54	7.96 (6.97 to 9.99)	●
Brighton and Sussex University Hospitals NHS Trust	5,244	3.43	3.82 (3.13 to 4.74)	0.96	1.71 (1.09 to 2.67)	4.39	5.42 (4.68 to 6.98)	●
Cambridge University Hospitals NHS Foundation Trust	5,456	2.38	3.66 (2.95 to 4.45)	1.65	2.03 (1.33 to 3.11)	4.03	5.64 (4.78 to 7.32)	●
Chelsea and Westminster Hospital NHS Foundation Trust	11,213	2.85	3.50 (2.82 to 4.27)	1.16	1.86 (1.21 to 2.78)	4.01	5.39 (4.60 to 6.83)	●
Guy's and St Thomas' NHS Foundation Trust	6,728	4.76	3.76 (3.05 to 4.60)	2.69	2.54 (1.75 to 3.82)	7.43	6.28 (5.48 to 8.06)	●
Hull University Teaching Hospitals NHS Trust	5,145	3.69	3.80 (3.13 to 4.68)	1.56	2.04 (1.33 to 3.08)	5.25	5.83 (4.92 to 7.37)	●
King's College Hospital NHS Foundation Trust	9,398	3.51	3.61 (2.93 to 4.31)	1.39	2.02 (1.38 to 2.98)	4.89	5.67 (4.87 to 7.07)	●
Liverpool Women's NHS Foundation Trust	8,459	3.9	3.82 (3.19 to 4.66)	3.92	3.39 (2.34 to 4.88)	7.8	7.26 (6.09 to 9.12)	●
Manchester University NHS Foundation Trust	13,381	4.04	3.77 (3.17 to 4.52)	1.5	1.82 (1.26 to 2.71)	5.53	5.60 (4.96 to 6.91)	●
Norfolk and Norwich University Hospitals NHS Foundation Trust	5,468	3.66	3.87 (3.17 to 4.85)	1.28	1.95 (1.23 to 3.06)	4.94	5.77 (4.86 to 7.60)	●
Nottingham University Hospitals NHS Trust	9,026	2.55	3.47 (2.66 to 4.29)	1.89	2.01 (1.38 to 2.97)	4.43	5.46 (4.55 to 6.94)	●
Oxford University Hospitals NHS Trust	7,779	4.24	4.03 (3.20 to 5.05)	2.45	2.25 (1.63 to 3.26)	6.68	6.20 (5.34 to 8.05)	●
Sheffield Teaching Hospitals NHS Foundation Trust	6,612	5.6	4.12 (3.22 to 5.23)	3.19	2.57 (1.80 to 3.91)	8.77	6.67 (5.65 to 8.74)	●
St George's University Hospitals NHS Foundation Trust	4,948	4.24	3.81 (3.13 to 4.65)	2.44	2.23 (1.51 to 3.39)	6.67	6.00 (5.15 to 7.80)	●
The Leeds Teaching Hospitals NHS Trust	9,640	3.84	3.72 (3.07 to 4.57)	3.75	3.45 (2.40 to 4.78)	7.57	7.13 (6.01 to 8.87)	●



Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
The Newcastle upon Tyne Hospitals NHS Foundation Trust	6,528	4.14	3.86 (3.24 to 4.74)	3.69	2.79 (1.92 to 4.14)	7.81	6.71 (5.68 to 8.69)	●
University College London Hospitals NHS Foundation Trust	6,616	3.63	3.64 (2.96 to 4.41)	2.73	2.39 (1.64 to 3.48)	6.35	6.03 (5.15 to 7.61)	●
University Hospital Southampton NHS Foundation Trust	5,542	4.51	3.97 (3.22 to 4.96)	3.08	2.86 (1.87 to 4.15)	7.58	6.86 (5.80 to 8.68)	●
University Hospitals Bristol NHS Foundation Trust	5,045	6.54	4.26 (3.22 to 5.97)	3.39	3.15 (1.97 to 4.83)	9.91	7.40 (5.91 to 9.77)	●
University Hospitals of Leicester NHS Trust	9,969	2.61	3.46 (2.74 to 4.26)	2.82	2.68 (1.91 to 3.84)	5.42	6.15 (5.16 to 7.82)	●
<b>SCOTLAND</b>								
NHS Grampian	5,939	3.2	3.80 (3.11 to 4.68)	0.84	1.86 (1.15 to 2.99)	4.04	5.67 (4.88 to 7.29)	●
NHS Greater Glasgow and Clyde	14,456	3.32	3.73 (3.07 to 4.38)	1.46	1.79 (1.21 to 2.59)	4.77	5.48 (4.69 to 6.79)	●
NHS Lothian	8,884	3.83	3.91 (3.22 to 4.84)	1.81	2.22 (1.53 to 3.34)	5.63	6.12 (5.30 to 7.78)	●
<b>WALES</b>								
Cardiff and Vale University Health Board	5,584	1.97	3.47 (2.61 to 4.38)	2.33	2.64 (1.72 to 3.99)	4.3	6.06 (4.99 to 7.85)	●
<b>NORTHERN IRELAND</b>								
Belfast Health and Social Care Trust	5,455	3.3	3.70 (3.00 to 4.44)	4.78	3.57 (2.39 to 5.37)	8.07	7.37 (6.08 to 9.60)	●

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

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

<sup>#</sup> colours represent variation from comparator group average extended perinatal mortality rate

<sup>°</sup> different laws exist in Northern Ireland for the termination of pregnancy

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

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**Table 17: Crude and stabilised & adjusted stillbirth, neonatal, and extended perinatal mortality rates by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018  
FOR TRUSTS AND HEALTH BOARDS WITH A LEVEL 3 NICU**

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>†</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
Average for comparator group			3.95		1.92		5.86	
<b>ENGLAND</b>								
Ashford and St Peter's Hospital NHS Foundation Trust	3,892	5.14	4.19 (3.40 to 5.24)	2.84	1.94 (1.29 to 3.06)	7.97	6.08 (5.11 to 8.00)	●
Bolton NHS Foundation Trust	5,764	2.78	3.74 (3.00 to 4.62)	2.26	2.19 (1.42 to 3.42)	5.03	5.90 (5.01 to 7.48)	●
Bradford Teaching Hospitals NHS Foundation Trust	5,428	4.79	3.93 (3.21 to 4.83)	3.33	2.45 (1.61 to 3.85)	8.11	6.36 (5.45 to 8.06)	●
East Kent Hospitals University NHS Foundation Trust	6,578	3.8	4.00 (3.34 to 4.90)	1.68	2.08 (1.37 to 3.16)	5.47	6.06 (5.16 to 7.54)	●
East Lancashire Hospitals NHS Trust	6,147	5.21	4.17 (3.42 to 5.08)	2.78	2.43 (1.62 to 3.76)	7.97	6.59 (5.57 to 8.43)	●
Homerton University Hospital NHS Foundation Trust	5,812	4.82	3.96 (3.26 to 4.78)	0.86	1.45 (0.88 to 2.39)	5.68	5.43 (4.63 to 6.84)	●
Imperial College Healthcare NHS Trust	9,668	4.76	4.03 (3.33 to 4.88)	1.87	1.81 (1.26 to 2.74)	6.62	5.83 (5.09 to 7.20)	●
Lancashire Teaching Hospitals NHS Foundation Trust	4,185	2.87	3.86 (3.09 to 4.68)	1.92	2.06 (1.29 to 3.23)	4.78	5.92 (4.95 to 7.59)	●
Luton and Dunstable University Hospital NHS Foundation Trust	5,237	5.16	4.10 (3.38 to 5.04)	2.3	1.87 (1.26 to 2.89)	7.45	5.94 (5.08 to 7.52)	●
Medway NHS Foundation Trust	4,930	3.45	3.91 (3.21 to 4.83)	0.81	1.41 (0.91 to 2.50)	4.26	5.26 (4.44 to 6.80)	●
North Bristol NHS Trust	6,183	3.23	3.93 (3.21 to 4.72)	0.81	1.52 (0.92 to 2.53)	4.04	5.44 (4.53 to 6.76)	●
North Tees and Hartlepool NHS Foundation Trust	2,751	*	3.79 (3.01 to 4.73)	*	1.62 (0.94 to 2.84)	2.54	5.45 (4.50 to 6.90)	●
Portsmouth Hospitals NHS Trust	5,460	2.75	3.83 (3.05 to 4.62)	0.73	1.47 (0.91 to 2.38)	3.48	5.27 (4.40 to 6.72)	●
South Tees Hospitals NHS Foundation Trust	5,058	3.36	3.88 (3.16 to 4.71)	2.18	2.00 (1.30 to 3.04)	5.54	5.88 (4.86 to 7.44)	●
South Tyneside and Sunderland NHS Foundation Trust	4,025	4.22	4.00 (3.32 to 4.97)	2.5	2.38 (1.54 to 3.71)	6.71	6.33 (5.38 to 8.00)	●
The Pennine Acute Hospitals NHS Trust	8,632	3.82	3.81 (3.11 to 4.56)	1.05	1.49 (0.96 to 2.31)	4.87	5.33 (4.58 to 6.67)	●
The Royal Wolverhampton NHS Trust	5,085	3.74	3.85 (3.12 to 4.65)	3.95	2.55 (1.73 to 3.92)	7.67	6.49 (5.50 to 8.29)	●
University Hospitals Birmingham NHS Foundation Trust	9,383	4.26	3.89 (3.06 to 4.33)	2.78	2.69 (2.02 to 3.80)	7.03	6.49 (5.23 to 7.69)	●

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
University Hospitals Coventry and Warwickshire NHS Trust	5,966	3.18	3.80 (3.01 to 4.62)	0.5	1.25 (0.75 to 2.09)	3.69	5.01 (4.19 to 6.34)	●
University Hospitals Plymouth NHS Trust	4,013	3.74	3.99 (3.24 to 4.80)	1.25	1.69 (1.10 to 2.77)	4.98	5.65 (4.75 to 7.29)	●
University Hospitals of North Midlands NHS Trust	6,533	4.75	4.17 (3.38 to 5.30)	2.31	2.23 (1.49 to 3.49)	7.04	6.40 (5.38 to 8.35)	●
Wirral University Teaching Hospital NHS Foundation Trust	3,182	3.14	3.92 (3.12 to 4.86)	4.1	2.53 (1.64 to 3.97)	7.23	6.63 (5.35 to 8.72)	●
<b>SCOTLAND</b>								
NHS Ayrshire & Arran	3,119	*	3.85 (3.05 to 4.73)	*	1.62 (0.91 to 2.72)	3.21	5.48 (4.49 to 7.01)	●
NHS Fife	3,229	4.65	4.08 (3.35 to 4.98)	1.24	1.89 (1.13 to 3.19)	5.88	5.97 (5.04 to 7.59)	●
NHS Lanarkshire	4,317	2.78	3.85 (3.09 to 4.80)	1.39	1.82 (1.19 to 2.90)	4.17	5.66 (4.74 to 7.27)	●
NHS Tayside	3,891	3.6	3.97 (3.23 to 4.89)	2.84	2.54 (1.62 to 4.04)	6.43	6.50 (5.45 to 8.34)	●
<b>WALES</b>								
Aneurin Bevan University Health Board	5,778	5.02	4.22 (3.39 to 5.32)	2.26	2.26 (1.47 to 3.51)	7.27	6.47 (5.40 to 8.38)	●
Swansea Bay University Health Board	3,585	4.18	4.02 (3.25 to 5.00)	1.96	1.98 (1.25 to 3.15)	6.14	5.99 (4.95 to 7.61)	●

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

† per 1,000 total births

‡ per 1,000 live births

# colours represent variation from comparator group average extended perinatal mortality rate

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

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**Table 18: Crude and stabilised & adjusted stillbirth, neonatal, and extended perinatal mortality rates by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018  
FOR TRUSTS AND HEALTH BOARDS WITH 4,000 OR MORE BIRTHS  $\geq 24^{+0}$  WEEKS GESTATIONAL AGE PER ANNUM**

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
Average for comparator group			3.38		1.21		4.58	
<b>ENGLAND</b>								
Barking, Havering and Redbridge University Hospitals NHS Trust	7,913	3.79	3.31 (2.73 to 3.92)	1.52	1.29 (0.83 to 1.96)	5.31	4.59 (3.96 to 5.66)	●
Basildon and Thurrock University Hospitals NHS Foundation Trust	4,603	2.61	3.27 (2.60 to 4.00)	1.09	1.15 (0.73 to 1.83)	3.69	4.42 (3.69 to 5.55)	●
Buckinghamshire Healthcare NHS Trust	5,025	*	3.32 (2.72 to 4.04)	*	1.00 (0.57 to 1.69)	3.18	4.32 (3.66 to 5.39)	●
Calderdale and Huddersfield NHS Foundation Trust	5,082	4.53	3.51 (2.86 to 4.30)	2.37	1.72 (1.05 to 2.85)	6.89	5.22 (4.40 to 6.63)	●
County Durham and Darlington NHS Foundation Trust	4,667	4.29	3.51 (2.86 to 4.31)	1.08	1.23 (0.75 to 2.05)	5.36	4.74 (4.05 to 6.06)	●
Dartford and Gravesham NHS Trust	4,917	2.85	3.29 (2.67 to 3.93)	0.82	1.13 (0.69 to 1.91)	3.66	4.42 (3.79 to 5.54)	●
Doncaster and Bassetlaw Hospitals NHS Foundation Trust	4,775	2.93	3.32 (2.67 to 4.06)	2.1	1.56 (0.97 to 2.58)	5.03	4.90 (4.03 to 6.27)	●
East Suffolk and North Essex NHS Foundation Trust	7,105	4.08	3.55 (2.92 to 4.37)	1.27	1.27 (0.82 to 2.03)	5.35	4.81 (4.08 to 6.05)	●
East and North Hertfordshire NHS Trust	5,572	2.87	3.35 (2.77 to 4.04)	1.08	1.21 (0.74 to 1.94)	3.95	4.56 (3.89 to 5.69)	●
Epsom and St Helier University Hospitals NHS Trust	4,421	3.62	3.44 (2.86 to 4.13)	2.04	1.55 (0.91 to 2.51)	5.65	5.00 (4.18 to 6.30)	●
Frimley Health NHS Foundation Trust	9,721	3.19	3.35 (2.77 to 3.97)	1.03	1.20 (0.80 to 1.89)	4.22	4.55 (3.95 to 5.65)	●
Gloucestershire Hospitals NHS Foundation Trust	6,217	3.54	3.48 (2.85 to 4.32)	1.78	1.41 (0.88 to 2.17)	5.31	4.91 (4.17 to 6.16)	●
Great Western Hospitals NHS Foundation Trust	4,167	2.4	3.30 (2.61 to 4.01)	1.44	1.34 (0.80 to 2.14)	3.84	4.63 (3.87 to 5.91)	●
Hampshire Hospitals NHS Foundation Trust	5,032	2.98	3.40 (2.76 to 4.20)	0.6	1.03 (0.62 to 1.70)	3.58	4.40 (3.75 to 5.63)	●
Kingston Hospital NHS Foundation Trust	5,165	2.71	3.32 (2.67 to 4.04)	1.36	1.33 (0.84 to 2.23)	4.07	4.65 (3.90 to 5.94)	●
Lewisham and Greenwich NHS trust	8,043	3.48	3.19 (2.59 to 3.94)	1.37	1.26 (0.82 to 2.06)	4.85	4.44 (3.80 to 5.61)	●

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
London North West University Healthcare NHS Trust	4,652	*	3.32 (2.72 to 3.99)	*	0.87 (0.50 to 1.48)	3.87	4.17 (3.54 to 5.25)	●
Maidstone and Tunbridge Wells NHS Trust	6,081	*	3.09 (2.27 to 3.94)	*	0.95 (0.55 to 1.53)	1.48	4.04 (3.28 to 5.20)	●
Mid Essex Hospital Services NHS Trust	4,454	4.04	3.54 (2.88 to 4.37)	1.13	1.25 (0.78 to 1.99)	5.16	4.78 (4.09 to 6.01)	●
North Middlesex University Hospital NHS Trust	4,664	5.15	3.47 (2.93 to 4.36)	1.29	1.20 (0.76 to 1.88)	6.43	4.67 (4.04 to 5.89)	●
North West Anglia NHS Foundation Trust	6,844	2.92	3.32 (2.73 to 4.04)	1.32	1.36 (0.84 to 2.17)	4.24	4.66 (3.98 to 5.93)	●
Northampton General Hospital NHS Trust	4,732	*	3.45 (2.87 to 4.23)	*	0.98 (0.58 to 1.61)	4.23	4.41 (3.81 to 5.59)	●
Northern Lincolnshire and Goole Hospitals NHS Foundation Trust	4,137	*	3.41 (2.81 to 4.14)	*	0.98 (0.59 to 1.64)	4.11	4.37 (3.75 to 5.52)	●
Poole Hospital NHS Foundation Trust	4,296	1.63	3.21 (2.52 to 3.92)	0.93	1.19 (0.72 to 1.97)	2.56	4.39 (3.62 to 5.56)	●
Royal Berkshire NHS Foundation Trust	4,881	3.28	3.38 (2.75 to 4.15)	1.23	1.23 (0.79 to 1.96)	4.51	4.61 (3.93 to 5.82)	●
Royal Cornwall Hospitals NHS Trust	4,099	4.88	3.61 (2.90 to 4.50)	0.74	1.15 (0.68 to 1.98)	5.61	4.76 (4.02 to 6.16)	●
Royal Free London NHS Foundation Trust	8,515	1.88	3.02 (2.29 to 3.86)	0.71	1.05 (0.64 to 1.65)	2.58	4.06 (3.29 to 5.28)	●
Royal United Hospitals Bath NHS Foundation Trust	4,555	3.29	3.45 (2.81 to 4.21)	1.1	1.26 (0.77 to 1.94)	4.39	4.71 (4.01 to 5.90)	●
Sandwell and West Birmingham Hospitals NHS Trust	5,502	5.45	3.44 (2.89 to 4.15)	2.56	1.64 (1.03 to 2.62)	8	5.04 (4.36 to 6.37)	●
St Helens and Knowsley Teaching Hospitals NHS Trust	4,083	*	3.58 (2.93 to 4.51)	*	0.94 (0.54 to 1.58)	5.14	4.48 (3.83 to 5.77)	●
Surrey and Sussex Healthcare NHS Trust	4,487	1.78	3.22 (2.47 to 3.93)	1.12	1.16 (0.68 to 1.90)	2.9	4.37 (3.57 to 5.57)	●
The Dudley Group NHS Foundation Trust	4,319	3.24	3.32 (2.69 to 3.95)	1.86	1.39 (0.88 to 2.19)	5.09	4.70 (4.01 to 5.83)	●
The Hillingdon Hospitals NHS Foundation Trust	4,349	5.75	3.55 (2.96 to 4.44)	0.69	1.04 (0.63 to 1.73)	6.44	4.60 (3.99 to 5.77)	●
The Mid Yorkshire Hospitals NHS Trust	6,230	4.49	3.54 (2.80 to 4.31)	1.93	1.48 (0.95 to 2.29)	6.42	5.02 (4.18 to 6.35)	●
The Princess Alexandra Hospital NHS Trust	4,032	2.48	3.31 (2.65 to 4.05)	0.99	1.22 (0.72 to 2.01)	3.47	4.53 (3.83 to 5.68)	●
The Shrewsbury and Telford Hospital NHS Trust	4,594	3.7	3.45 (2.80 to 4.26)	1.53	1.28 (0.83 to 2.04)	5.22	4.73 (4.09 to 6.09)	●
United Lincolnshire Hospitals NHS Trust	4,929	4.26	3.54 (2.92 to 4.36)	0.61	1.04 (0.64 to 1.76)	4.87	4.55 (3.92 to 5.76)	●

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
University Hospitals of Derby and Burton NHS Foundation Trust	9,169	3.16	3.34 (2.73 to 3.98)	1.64	1.37 (0.93 to 2.12)	4.8	4.74 (4.04 to 5.89)	●
West Hertfordshire Hospitals NHS Trust	4,642	4.52	3.56 (2.92 to 4.46)	0.87	1.10 (0.69 to 1.81)	5.39	4.63 (3.97 to 5.96)	●
Western Sussex Hospitals NHS Foundation Trust	4,988	2.41	3.30 (2.68 to 3.97)	1.61	1.45 (0.91 to 2.37)	4.01	4.75 (3.99 to 6.09)	●
Worcestershire Acute Hospitals NHS Trust	5,253	3.24	3.40 (2.76 to 4.16)	1.15	1.14 (0.72 to 1.79)	4.38	4.53 (3.81 to 5.64)	●
York Teaching Hospital NHS Foundation Trust	4,529	1.77	3.23 (2.53 to 3.91)	0.66	1.08 (0.67 to 1.82)	2.43	4.30 (3.57 to 5.59)	●
<b>WALES</b>								
Betsi Cadwaladr University Health Board	6,590	3.34	3.41 (2.79 to 4.19)	1.98	1.46 (0.94 to 2.26)	5.31	4.91 (4.20 to 6.19)	●
Cwm Taf Morgannwg University Health Board	5,767	3.81	3.45 (2.85 to 4.16)	1.39	1.29 (0.79 to 2.03)	5.2	4.74 (4.10 to 5.94)	●
<b>NORTHERN IRELAND<sup>°</sup></b>								
South Eastern Health and Social Care Trust	4,302	2.32	3.29 (2.62 to 4.03)	1.16	1.26 (0.77 to 2.01)	3.49	4.54 (3.82 to 5.82)	●
Southern Health and Social Care Trust	5,657	3.89	3.52 (2.88 to 4.27)	1.06	1.18 (0.75 to 1.88)	4.95	4.69 (4.01 to 5.82)	●

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

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

<sup>#</sup> colours represent variation from comparator group average extended perinatal mortality rate

\* entry suppressed because of small number of deaths

<sup>°</sup> different laws exist in Northern Ireland for the termination of pregnancy

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

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**Table 19: Crude and stabilised & adjusted stillbirth, neonatal, and extended perinatal mortality rates by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018  
FOR TRUSTS AND HEALTH BOARDS WITH 2,000 TO 3,999 BIRTHS ≥24<sup>+</sup> WEEKS GESTATIONAL AGE PER ANNUM**

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
Average for comparator group			2.99		1.10		4.09	
<b>ENGLAND</b>								
Airedale NHS Foundation Trust	2,046	*	2.96 (2.38 to 3.64)	*	1.07 (0.63 to 1.81)	3.42	4.02 (3.36 to 5.17)	●
Barnsley Hospital NHS Foundation Trust	2,878	3.47	3.03 (2.39 to 3.85)	2.09	1.31 (0.78 to 2.31)	5.56	4.35 (3.56 to 5.80)	●
Bedford Hospital NHS Trust	2,848	*	2.95 (2.38 to 3.67)	*	0.99 (0.56 to 1.69)	2.81	3.95 (3.30 to 5.01)	●
Blackpool Teaching Hospitals NHS Foundation Trust	2,812	3.56	3.03 (2.43 to 3.73)	1.07	1.06 (0.63 to 1.81)	4.62	4.07 (3.41 to 5.31)	●
Chesterfield Royal Hospital NHS Foundation Trust	2,710	*	2.84 (2.14 to 3.46)	*	0.97 (0.53 to 1.67)	1.11	3.81 (3.05 to 4.83)	●
Countess of Chester Hospital NHS Foundation Trust	2,482	*	2.97 (2.37 to 3.71)	*	0.94 (0.55 to 1.64)	2.42	3.91 (3.28 to 5.04)	●
Croydon Health Services NHS Trust	3,464	2.31	2.85 (2.20 to 3.59)	1.16	1.06 (0.62 to 1.73)	3.46	3.90 (3.23 to 5.00)	●
East Sussex Healthcare NHS Trust	3,130	2.56	2.95 (2.35 to 3.62)	0.96	1.07 (0.63 to 1.84)	3.51	4.02 (3.33 to 5.12)	●
George Eliot Hospital NHS Trust	2,264	3.09	3.00 (2.45 to 3.75)	2.66	1.45 (0.83 to 2.53)	5.74	4.42 (3.68 to 5.74)	●
James Paget University Hospitals NHS Foundation Trust	2,026	4.44	3.07 (2.50 to 3.95)	1.98	1.26 (0.73 to 2.33)	6.42	4.33 (3.62 to 5.71)	●
Kettering General Hospital NHS Foundation Trust	3,262	3.07	3.00 (2.37 to 3.68)	1.23	1.09 (0.66 to 1.78)	4.29	4.09 (3.39 to 5.19)	●
Mid Cheshire Hospitals NHS Foundation Trust	2,891	3.11	3.02 (2.45 to 3.75)	2.08	1.30 (0.76 to 2.28)	5.19	4.36 (3.62 to 5.79)	●
Milton Keynes University Hospital NHS Foundation Trust	3,690	*	2.91 (2.33 to 3.60)	*	0.92 (0.57 to 1.64)	2.71	3.84 (3.25 to 4.93)	●
North Cumbria Integrated Care NHS Foundation Trust	2,733	3.29	3.04 (2.45 to 3.86)	1.47	1.20 (0.67 to 2.05)	4.76	4.25 (3.54 to 5.52)	●
Northumbria Healthcare NHS Foundation Trust	3,143	*	3.07 (2.52 to 3.93)	*	0.92 (0.50 to 1.65)	3.82	4.01 (3.39 to 5.23)	●
Royal Devon and Exeter NHS Foundation Trust	3,931	3.31	3.06 (2.47 to 3.87)	1.53	1.28 (0.75 to 2.25)	4.83	4.35 (3.62 to 5.68)	●
Royal Surrey County Hospital NHS Foundation Trust	2,851	1.40	2.90 (2.30 to 3.63)	1.40	1.20 (0.68 to 2.02)	2.81	4.11 (3.39 to 5.33)	●

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
Salisbury NHS Foundation Trust	2,193	*	3.03 (2.34 to 3.73)	*	1.02 (0.59 to 1.76)	3.65	4.04 (3.19 to 5.16)	●
Sherwood Forest Hospitals NHS Foundation Trust	3,250	2.15	2.92 (2.34 to 3.61)	0.93	1.06 (0.63 to 1.83)	3.08	3.97 (3.32 to 5.07)	●
South Warwickshire NHS Foundation Trust	2,868	*	2.88 (2.20 to 3.51)	*	1.03 (0.58 to 1.80)	1.39	3.91 (3.21 to 4.95)	●
Southend University Hospital NHS Foundation Trust	3,525	2.84	2.98 (2.41 to 3.71)	1.71	1.26 (0.75 to 2.13)	4.54	4.24 (3.52 to 5.57)	●
Southport & Ormskirk Hospital NHS Trust	2,257	*	2.96 (2.35 to 3.63)	*	1.11 (0.65 to 1.96)	3.10	4.07 (3.42 to 5.22)	●
Stockport NHS Foundation Trust	3,194	*	3.00 (2.39 to 3.64)	*	1.04 (0.60 to 1.73)	3.44	4.03 (3.40 to 5.01)	●
Tameside and Glossop Integrated Care NHS Foundation Trust	2,351	*	2.97 (2.41 to 3.76)	*	0.97 (0.57 to 1.69)	3.40	3.94 (3.27 to 5.08)	●
Taunton and Somerset NHS Foundation Trust	3,119	3.21	3.03 (2.45 to 3.78)	1.93	1.29 (0.75 to 2.15)	5.13	4.34 (3.61 to 5.59)	●
The Queen Elizabeth Hospital King's Lynn NHS Foundation Trust	2,149	3.26	3.01 (2.42 to 3.76)	1.87	1.25 (0.75 to 2.12)	5.12	4.26 (3.55 to 5.54)	●
The Rotherham NHS Foundation Trust	2,535	2.76	2.95 (2.40 to 3.62)	1.19	1.08 (0.64 to 1.82)	3.94	4.03 (3.37 to 5.22)	●
Torbay and South Devon NHS Foundation Trust	2,237	2.68	2.98 (2.40 to 3.72)	1.79	1.25 (0.70 to 2.07)	4.47	4.23 (3.51 to 5.55)	●
University Hospitals of Morecambe Bay NHS Foundation Trust	3,075	4.23	3.12 (2.52 to 3.98)	0.98	1.10 (0.65 to 1.86)	5.20	4.21 (3.45 to 5.49)	●
Walsall Healthcare NHS Trust	3,482	4.88	3.08 (2.50 to 3.89)	2.31	1.32 (0.80 to 2.19)	7.18	4.42 (3.70 to 5.76)	●
Warrington and Halton Hospitals NHS Foundation Trust	2,829	*	3.10 (2.50 to 3.96)	*	1.01 (0.62 to 1.71)	4.95	4.09 (3.36 to 5.40)	●
West Suffolk NHS Foundation Trust	2,428	*	2.95 (2.35 to 3.64)	*	1.03 (0.58 to 1.77)	2.47	3.98 (3.31 to 5.11)	●
Whittington Health	3,553	3.66	2.98 (2.42 to 3.63)	1.41	1.24 (0.71 to 2.18)	5.07	4.18 (3.54 to 5.34)	●
Wrightington, Wigan and Leigh NHS Foundation Trust	2,618	*	3.06 (2.48 to 3.80)	*	1.06 (0.61 to 1.88)	4.58	4.11 (3.46 to 5.30)	●
<b>SCOTLAND</b>								
NHS Forth Valley	2,972	*	2.88 (2.27 to 3.56)	*	0.99 (0.59 to 1.74)	2.02	3.86 (3.17 to 4.95)	●
NHS Highland	2,089	*	2.92 (2.28 to 3.60)	*	1.02 (0.57 to 1.72)	1.91	3.93 (3.22 to 5.06)	●
<b>WALES</b>								
Hywel Dda University Health Board	3,168	*	3.15 (2.57 to 4.20)	*	1.01 (0.59 to 1.72)	5.37	4.16 (3.51 to 5.47)	●



Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
<b>NORTHERN IRELAND<sup>°</sup></b>								
Northern Health and Social Care Trust	3,771	2.39	2.95 (2.34 to 3.65)	1.86	1.29 (0.77 to 2.29)	4.24	4.25 (3.59 to 5.57)	●
Western Health and Social Care Trust	3,830	5.22	3.20 (2.54 to 4.19)	0.79	1.06 (0.63 to 1.78)	6.01	4.27 (3.56 to 5.60)	●

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

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

<sup>#</sup> colours represent variation from comparator group average extended perinatal mortality rate

\* entry suppressed because of small number of deaths

<sup>°</sup> different laws exist in Northern Ireland for the termination of pregnancy

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

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**Table 20: Crude and stabilised & adjusted stillbirth, neonatal, and extended perinatal mortality rates by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018  
FOR TRUSTS AND HEALTH BOARDS WITH FEWER THAN 2,000 BIRTHS ≥24+0 WEEKS GESTATIONAL AGE PER ANNUM**

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
Average for comparator group			2.33		0.52		2.85	
<b>ENGLAND</b>								
Dorset County Hospital NHS Foundation Trust	1,699	*	2.32 (1.50 to 3.22)	*	0.52 (0.18 to 1.10)	2.35	2.84 (1.97 to 3.90)	●
East Cheshire NHS Trust	1,511	*	2.33 (1.56 to 3.22)	*	0.49 (0.15 to 0.97)	1.99	2.82 (1.96 to 3.79)	●
Gateshead Health NHS Foundation Trust	1,776	*	2.41 (1.79 to 3.46)	*	0.48 (0.15 to 0.99)	4.50	2.88 (2.19 to 4.06)	●
Harrogate and District NHS Foundation Trust	1,814	*	2.32 (1.53 to 3.21)	*	0.57 (0.24 to 1.28)	2.76	2.90 (2.07 to 4.02)	●
Isle of Wight NHS Trust	1,052	*	2.30 (1.45 to 3.12)	*	0.50 (0.13 to 0.99)	*	2.79 (1.93 to 3.80)	●
Northern Devon Healthcare NHS Trust	1,329	*	2.31 (1.49 to 3.18)	*	0.49 (0.14 to 0.99)	*	2.80 (1.96 to 3.81)	●
RAF Lakenheath (48th Medical Group)	385	*	2.34 (1.59 to 3.30)	*	0.51 (0.17 to 1.12)	*	2.85 (2.05 to 4.00)	●
The Portland Hospital for Women and Children	1,356	*	2.31 (1.51 to 3.13)	*	0.54 (0.20 to 1.15)	2.21	2.84 (1.97 to 3.76)	●
The Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust	247	*	2.32 (1.49 to 3.24)	*	0.52 (0.16 to 1.07)	*	2.84 (1.97 to 3.83)	●
Weston Area Health NHS Trust	94	*	2.33 (1.57 to 3.19)	*	0.52 (0.16 to 1.19)	*	2.85 (2.02 to 3.82)	●
Wye Valley NHS Trust	1,693	*	2.30 (1.51 to 3.02)	*	0.60 (0.31 to 1.35)	2.95	2.92 (2.15 to 4.10)	●
Yeovil District Hospital NHS Foundation Trust	1,399	*	2.40 (1.70 to 3.43)	*	0.53 (0.20 to 1.07)	5.00	2.92 (2.21 to 4.10)	●
<b>SCOTLAND</b>								
NHS Borders	987	*	2.37 (1.70 to 3.33)	*	0.55 (0.22 to 1.18)	5.07	2.92 (2.14 to 4.08)	●
NHS Dumfries & Galloway	1,188	*	2.38 (1.70 to 3.47)	*	0.54 (0.21 to 1.21)	5.05	2.92 (2.27 to 4.06)	●
NHS Orkney	123	*	2.33 (1.53 to 3.13)	*	0.52 (0.16 to 1.12)	*	2.85 (1.95 to 3.80)	●
NHS Shetland	95	*	2.35 (1.60 to 3.33)	*	0.52 (0.16 to 1.12)	*	2.87 (2.10 to 3.96)	●
NHS Western Isles	158	*	2.33 (1.51 to 3.28)	*	0.51 (0.16 to 1.01)	*	2.84 (1.94 to 3.95)	●

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
<b>WALES</b>								
Powys Teaching Health Board	217	*	2.32 (1.54 to 3.24)	*	0.52 (0.15 to 1.03)	*	2.84 (1.97 to 3.90)	●
<b>CROWN DEPENDENCIES</b>								
Isle of Man Department of Health	726	*	2.30 (1.51 to 3.19)	*	0.50 (0.14 to 1.03)	*	2.80 (1.96 to 3.81)	●
States of Guernsey Health & Social Services	501	*	2.31 (1.57 to 3.25)	*	0.51 (0.16 to 1.10)	*	2.82 (2.02 to 3.84)	●
States of Jersey Health & Social Services	936	*	2.35 (1.55 to 3.37)	*	0.50 (0.15 to 1.01)	3.21	2.85 (2.01 to 4.05)	●

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

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

<sup>#</sup> colours represent variation from comparator group average extended perinatal mortality rate

\* entry suppressed because of small number of deaths

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

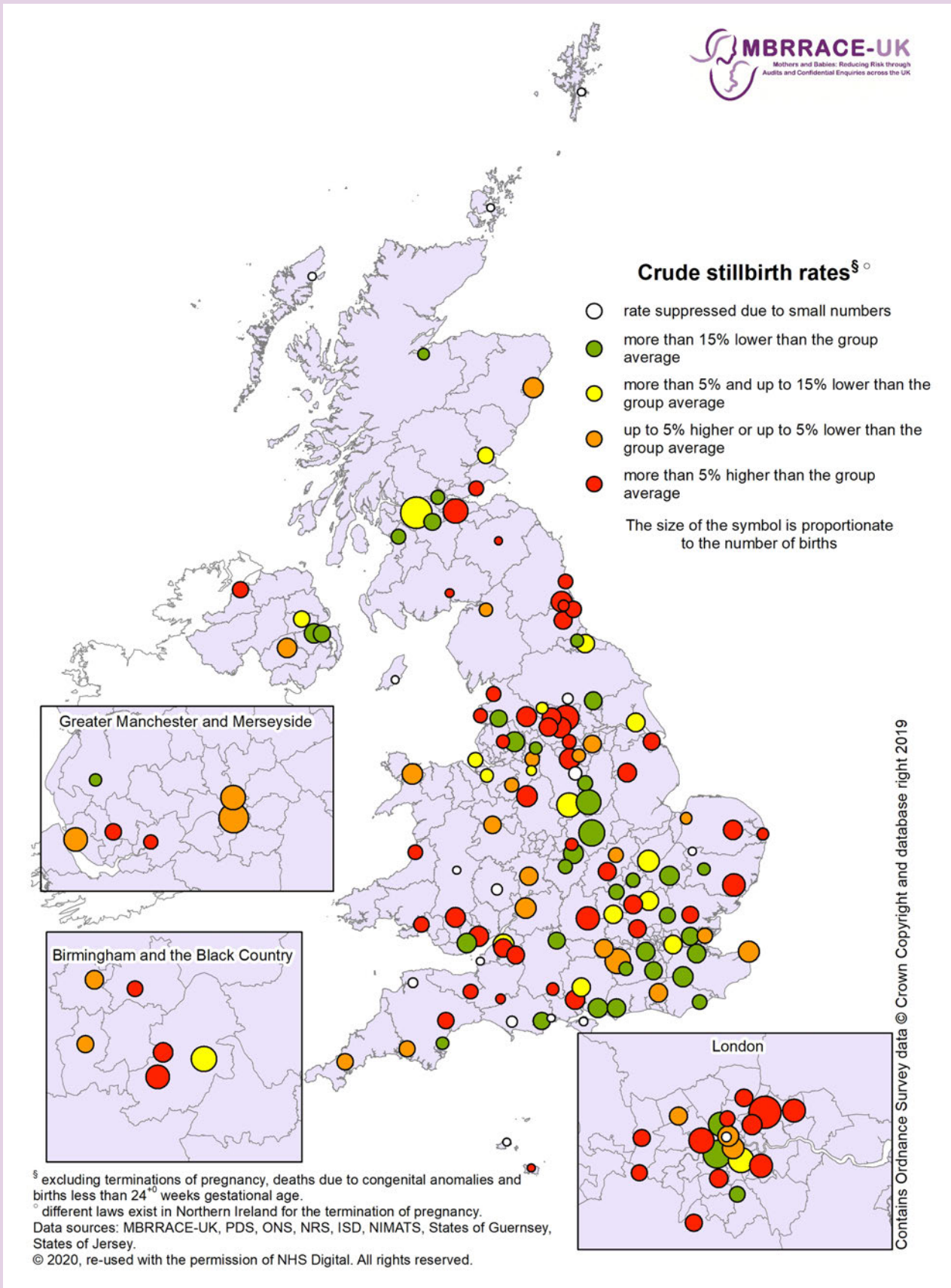
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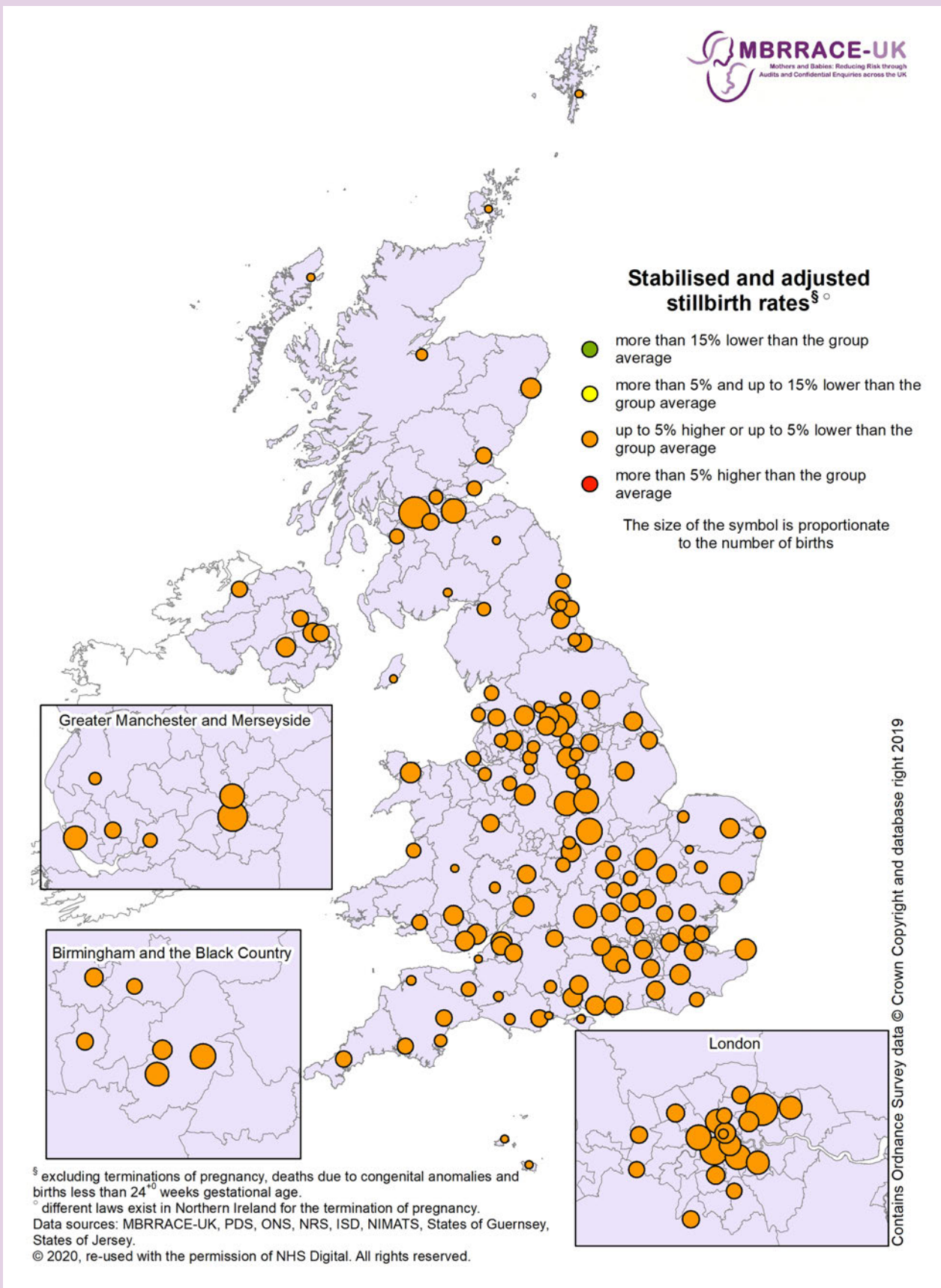
## **3.2 Mortality rates for individual Trusts and Health Boards excluding congenital anomalies**

Maps begin on page 66.

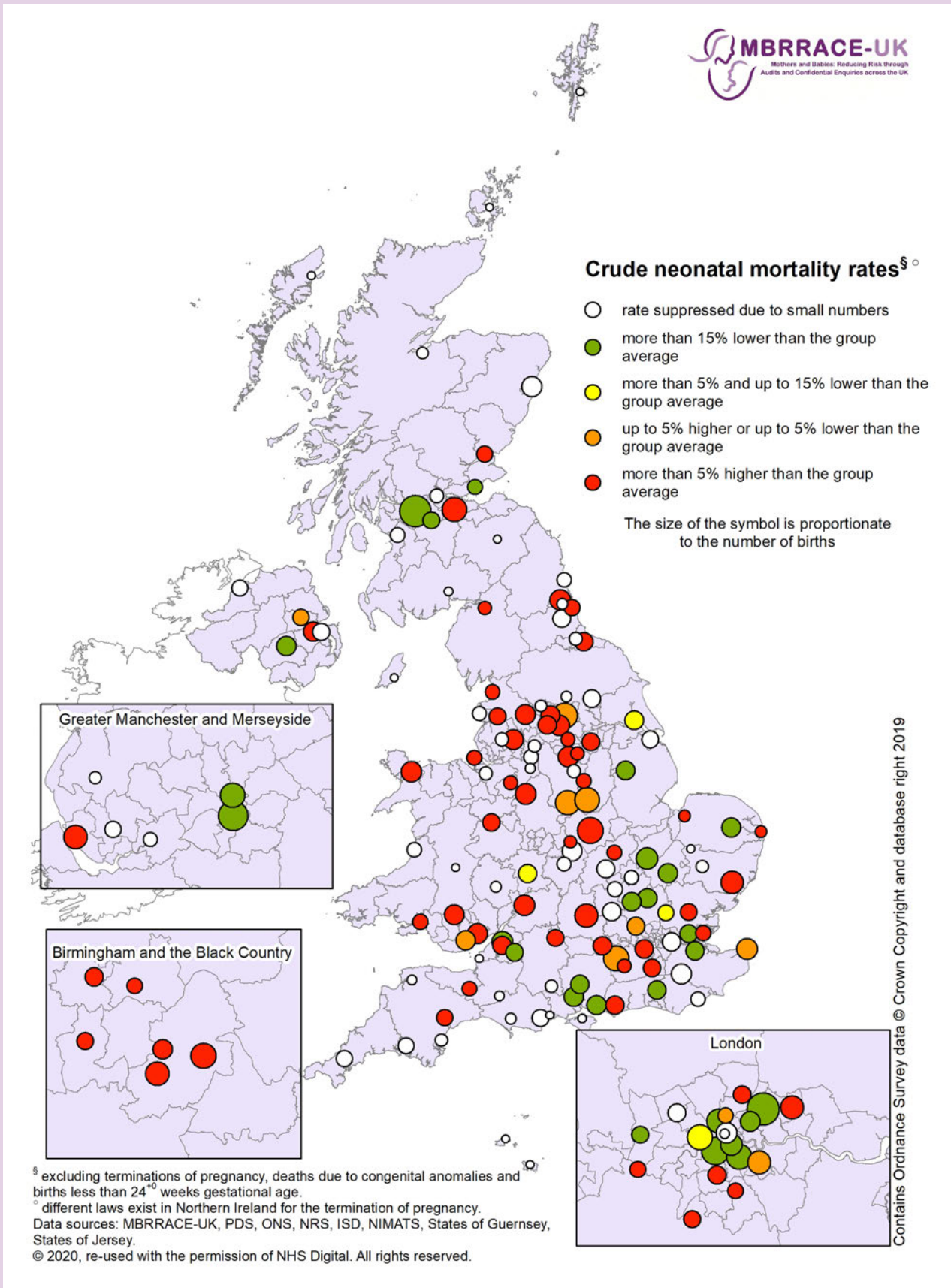
**Figure 19: Crude stillbirth mortality rates excluding congenital anomalies by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018**



**Figure 20: Stabilised & adjusted stillbirth mortality rates excluding congenital anomalies by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018**

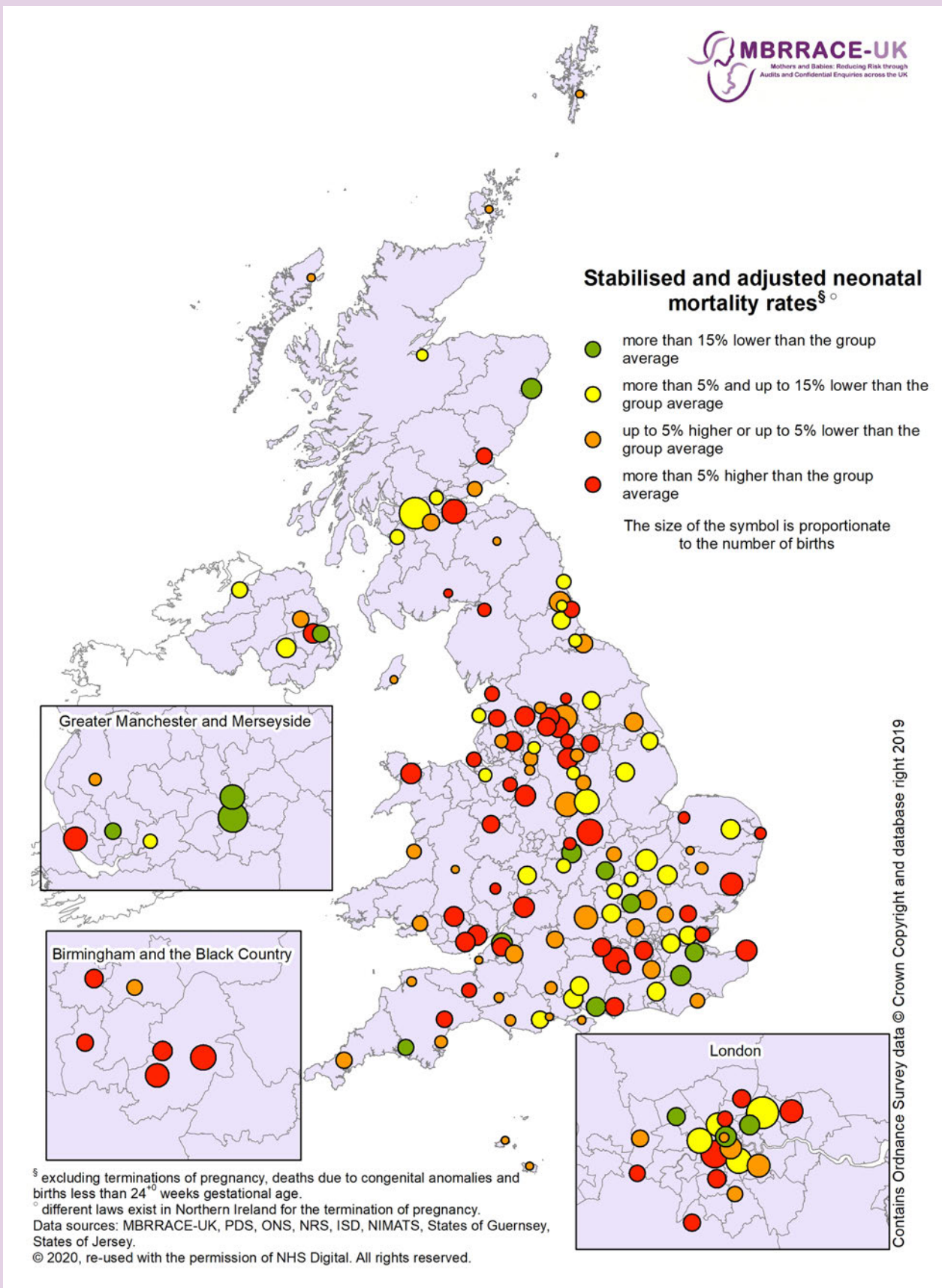


**Figure 21: Crude neonatal mortality rates excluding congenital anomalies by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018**

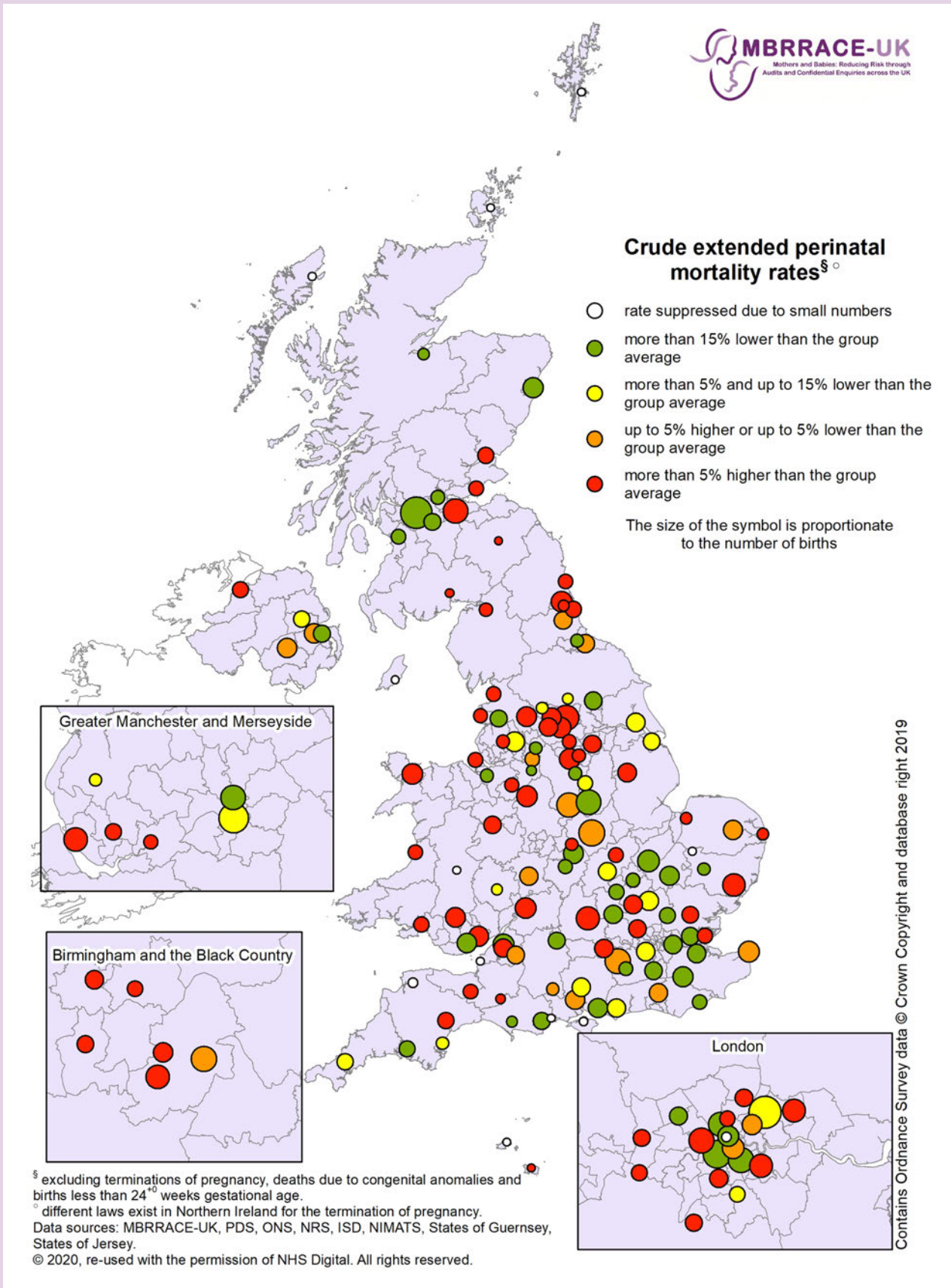




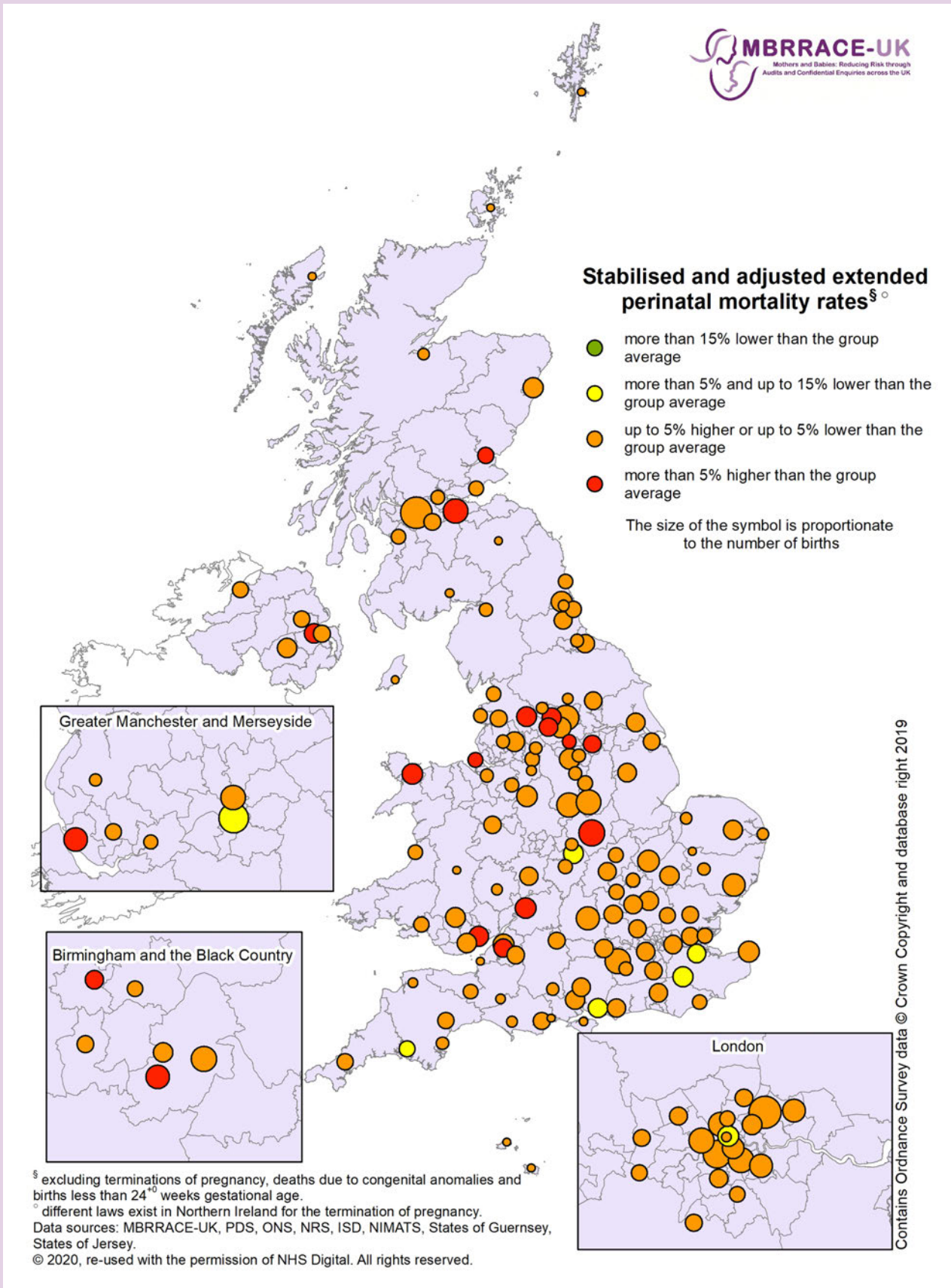
**Figure 22: Stabilised & adjusted neonatal mortality rates excluding congenital anomalies by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018**



**Figure 23: Crude extended perinatal mortality rates excluding congenital anomalies by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018**



**Figure 24: Stabilised & adjusted extended perinatal mortality rates excluding congenital anomalies by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018**



**Table 21: Crude and stabilised & adjusted stillbirth, neonatal, and extended perinatal mortality rates excluding congenital anomalies by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018 FOR TRUSTS AND HEALTH BOARDS WITH NEONATAL SURGICAL PROVISION AND A LEVEL 3 NICU**

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
Average for comparator group			3.29		1.24		4.52	
<b>ENGLAND</b>								
Barts Health NHS Trust	15,280	3.47	3.23 (2.62 to 3.87)	0.79	1.08 (0.72 to 1.67)	4.25	4.33 (3.70 to 5.34)	●
Birmingham Women's and Children's NHS Foundation Trust	8,126	3.69	3.28 (2.89 to 3.82)	2.72	1.89 (1.20 to 3.05)	6.4	5.18 (4.50 to 6.51)	●
Brighton and Sussex University Hospitals NHS Trust	5,244	3.43	3.31 (2.88 to 4.01)	0.96	1.13 (0.74 to 1.80)	4.39	4.40 (3.91 to 5.56)	●
Cambridge University Hospitals NHS Foundation Trust	5,450	2.02	3.26 (2.77 to 3.77)	0.92	1.11 (0.69 to 1.84)	2.94	4.33 (3.80 to 5.46)	●
Chelsea and Westminster Hospital NHS Foundation Trust	11,209	2.68	3.24 (2.68 to 3.84)	0.98	1.32 (0.87 to 2.07)	3.66	4.54 (3.97 to 5.53)	●
Guy's and St Thomas' NHS Foundation Trust	6,708	3.43	3.26 (2.77 to 3.85)	1.05	1.19 (0.77 to 1.94)	4.47	4.45 (3.88 to 5.53)	●
Hull University Teaching Hospitals NHS Trust	5,140	3.11	3.29 (2.87 to 3.86)	1.17	1.22 (0.81 to 1.90)	4.28	4.51 (4.00 to 5.63)	●
King's College Hospital NHS Foundation Trust	9,387	3.09	3.26 (2.76 to 3.81)	0.64	1.09 (0.67 to 1.75)	3.73	4.37 (3.84 to 5.30)	●
Liverpool Women's NHS Foundation Trust	8,440	3.44	3.30 (2.92 to 3.93)	2.14	1.63 (1.06 to 2.53)	5.57	4.97 (4.37 to 6.21)	●
Manchester University NHS Foundation Trust	13,361	3.44	3.28 (2.93 to 3.82)	0.6	0.97 (0.63 to 1.55)	4.04	4.27 (3.90 to 5.15)	●
Norfolk and Norwich University Hospitals NHS Foundation Trust	5,465	3.48	3.32 (2.88 to 3.97)	0.92	1.17 (0.76 to 1.90)	4.39	4.47 (3.96 to 5.68)	●
Nottingham University Hospitals NHS Trust	9,019	2.44	3.23 (2.56 to 3.93)	1.22	1.17 (0.79 to 1.85)	3.66	4.39 (3.77 to 5.56)	●
Oxford University Hospitals NHS Trust	7,771	3.99	3.35 (2.77 to 4.29)	1.68	1.27 (0.82 to 1.95)	5.66	4.62 (3.98 to 6.00)	●
Sheffield Teaching Hospitals NHS Foundation Trust	6,597	4.7	3.35 (2.74 to 4.28)	1.83	1.34 (0.91 to 2.08)	6.52	4.70 (4.02 to 6.13)	●
St George's University Hospitals NHS Foundation Trust	4,943	3.84	3.30 (2.89 to 3.93)	1.83	1.32 (0.87 to 2.10)	5.66	4.63 (4.09 to 5.77)	●
The Leeds Teaching Hospitals NHS Trust	9,615	3.74	3.30 (2.86 to 3.88)	1.25	1.29 (0.87 to 2.06)	4.99	4.59 (4.10 to 5.66)	●

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
The Newcastle upon Tyne Hospitals NHS Foundation Trust	6,511	3.69	3.31 (2.83 to 3.92)	1.54	1.22 (0.80 to 1.91)	5.22	4.52 (3.98 to 5.71)	●
University College London Hospitals NHS Foundation Trust	6,598	*	3.27 (2.76 to 3.84)	*	0.87 (0.51 to 1.43)	3.64	4.10 (3.66 to 5.10)	●
University Hospital Southampton NHS Foundation Trust	5,524	3.62	3.31 (2.85 to 3.93)	0.73	1.07 (0.67 to 1.76)	4.34	4.35 (3.82 to 5.46)	●
University Hospitals Bristol NHS Foundation Trust	5,031	5.57	3.37 (2.73 to 4.55)	1.6	1.43 (0.90 to 2.30)	7.16	4.81 (4.06 to 6.49)	●
University Hospitals of Leicester NHS Trust	9,958	2.41	3.23 (2.57 to 3.90)	1.91	1.61 (1.09 to 2.53)	4.32	4.85 (4.09 to 6.15)	●
<b>SCOTLAND</b>								
NHS Grampian	5,936	*	3.31 (2.86 to 3.91)	*	1.05 (0.62 to 1.82)	3.54	4.37 (3.88 to 5.41)	●
NHS Greater Glasgow and Clyde	14,442	2.91	3.28 (2.80 to 3.73)	0.9	1.09 (0.74 to 1.70)	3.81	4.35 (3.85 to 5.28)	●
NHS Lothian	8,881	3.6	3.33 (2.85 to 4.08)	1.7	1.57 (1.06 to 2.49)	5.29	4.91 (4.29 to 6.30)	●
<b>WALES</b>								
Cardiff and Vale University Health Board	5,577	1.79	3.23 (2.57 to 3.82)	1.26	1.36 (0.86 to 2.22)	3.05	4.57 (3.80 to 5.78)	●
<b>NORTHERN IRELAND</b>								
Belfast Health and Social Care Trust	5,435	2.21	3.25 (2.63 to 3.80)	2.21	1.49 (0.98 to 2.37)	4.42	4.78 (4.08 to 6.00)	●

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

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

<sup>#</sup> colours represent variation from comparator group average extended perinatal mortality rate

\* entry suppressed because of small number of deaths

° different laws exist in Northern Ireland for the termination of pregnancy

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

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**Table 22: Crude and stabilised & adjusted stillbirth, neonatal, and extended perinatal mortality rates excluding congenital anomalies by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018 FOR TRUSTS AND HEALTH BOARDS WITH A LEVEL 3 NICU**

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>†</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
Average for comparator group			3.66		1.43		5.08	
<b>ENGLAND</b>								
Ashford and St Peter's Hospital NHS Foundation Trust	3,889	4.37	3.69 (3.17 to 4.50)	2.84	1.51 (0.97 to 2.39)	7.2	5.24 (4.45 to 6.81)	●
Bolton NHS Foundation Trust	5,762	2.78	3.62 (2.99 to 4.19)	1.91	1.72 (1.08 to 2.84)	4.69	5.30 (4.51 to 6.54)	●
Bradford Teaching Hospitals NHS Foundation Trust	5,425	4.24	3.65 (3.22 to 4.30)	3.33	2.13 (1.28 to 3.56)	7.56	5.75 (4.96 to 7.32)	●
East Kent Hospitals University NHS Foundation Trust	6,576	3.8	3.68 (3.22 to 4.30)	1.37	1.61 (1.00 to 2.56)	5.17	5.25 (4.61 to 6.34)	●
East Lancashire Hospitals NHS Trust	6,138	4.72	3.70 (3.13 to 4.53)	1.8	1.64 (1.06 to 2.69)	6.52	5.34 (4.65 to 6.81)	●
Homerton University Hospital NHS Foundation Trust	5,809	4.48	3.66 (3.17 to 4.26)	0.69	1.16 (0.72 to 1.90)	5.16	4.83 (4.32 to 5.88)	●
Imperial College Healthcare NHS Trust	9,659	4.35	3.68 (3.23 to 4.30)	1.35	1.35 (0.90 to 2.14)	5.69	5.01 (4.46 to 6.13)	●
Lancashire Teaching Hospitals NHS Foundation Trust	4,181	2.15	3.62 (2.95 to 4.19)	1.68	1.59 (1.00 to 2.48)	3.83	5.21 (4.47 to 6.43)	●
Luton and Dunstable University Hospital NHS Foundation Trust	5,227	4.4	3.68 (3.20 to 4.28)	1.15	1.21 (0.76 to 1.99)	5.55	4.83 (4.26 to 6.11)	●
Medway NHS Foundation Trust	4,927	2.84	3.63 (3.11 to 4.22)	0.81	1.16 (0.70 to 1.87)	3.65	4.74 (4.20 to 5.82)	●
North Bristol NHS Trust	6,182	3.24	3.66 (3.21 to 4.19)	0.65	1.19 (0.69 to 1.99)	3.88	4.84 (4.30 to 5.90)	●
North Tees and Hartlepool NHS Foundation Trust	2,751	*	3.62 (2.98 to 4.18)	*	1.32 (0.76 to 2.27)	2.54	4.97 (4.20 to 6.03)	●
Portsmouth Hospitals NHS Trust	5,460	2.75	3.64 (3.06 to 4.20)	0.73	1.21 (0.73 to 1.94)	3.48	4.82 (4.22 to 5.91)	●
South Tees Hospitals NHS Foundation Trust	5,056	3.36	3.65 (3.09 to 4.24)	1.79	1.49 (0.95 to 2.28)	5.14	5.14 (4.44 to 6.33)	●
South Tyneside and Sunderland NHS Foundation Trust	4,020	3.98	3.67 (3.21 to 4.26)	1.5	1.57 (0.92 to 2.53)	5.47	5.21 (4.57 to 6.31)	●
The Pennine Acute Hospitals NHS Trust	8,627	3.59	3.63 (3.11 to 4.32)	0.7	1.18 (0.73 to 1.89)	4.29	4.84 (4.24 to 5.99)	●
The Royal Wolverhampton NHS Trust	5,079	3.74	3.64 (3.09 to 4.23)	2.77	1.68 (1.07 to 2.72)	6.5	5.37 (4.60 to 6.68)	●
University Hospitals Birmingham NHS Foundation Trust	9,363	3.42	3.61 (3.12 to 4.29)	1.5	1.64 (1.14 to 2.40)	4.91	5.21 (4.64 to 6.62)	●

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
University Hospitals Coventry and Warwickshire NHS Trust	5,962	*	3.62 (3.05 to 4.33)	*	0.96 (0.54 to 1.66)	3.02	4.54 (3.97 to 5.63)	●
University Hospitals Plymouth NHS Trust	4,010	*	3.67 (3.13 to 4.35)	*	1.16 (0.67 to 1.84)	4.24	4.79 (4.15 to 5.92)	●
University Hospitals of North Midlands NHS Trust	6,526	4.29	3.70 (3.10 to 4.52)	1.69	1.60 (1.03 to 2.62)	5.98	5.30 (4.61 to 6.81)	●
Wirral University Teaching Hospital NHS Foundation Trust	3,180	3.14	3.65 (3.12 to 4.26)	3.47	1.80 (1.11 to 2.94)	6.6	5.61 (4.65 to 7.22)	●
<b>SCOTLAND</b>								
NHS Ayrshire & Arran	3,118	*	3.64 (3.06 to 4.19)	*	1.23 (0.69 to 1.99)	2.89	4.88 (4.22 to 5.97)	●
NHS Fife	3,228	4.65	3.69 (3.20 to 4.48)	0.93	1.42 (0.84 to 2.31)	5.58	5.10 (4.44 to 6.40)	●
NHS Lanarkshire	4,316	2.78	3.64 (3.06 to 4.18)	1.16	1.40 (0.87 to 2.31)	3.94	5.03 (4.37 to 6.20)	●
NHS Tayside	3,887	3.34	3.66 (3.15 to 4.25)	2.07	1.75 (1.05 to 2.83)	5.4	5.40 (4.66 to 6.69)	●
<b>WALES</b>								
Aneurin Bevan University Health Board	5,774	4.85	3.72 (3.12 to 4.67)	1.74	1.65 (1.05 to 2.65)	6.58	5.37 (4.55 to 6.83)	●
Swansea Bay University Health Board	3,583	3.91	3.67 (3.19 to 4.33)	1.68	1.50 (0.90 to 2.39)	5.58	5.17 (4.57 to 6.49)	●

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

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

<sup>#</sup> colours represent variation from comparator group average extended perinatal mortality rate

\* entry suppressed because of small number of deaths

° different laws exist in Northern Ireland for the termination of pregnancy

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

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**Table 23: Crude and stabilised & adjusted stillbirth, neonatal, and extended perinatal mortality rates excluding congenital anomalies by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018 FOR TRUSTS AND HEALTH BOARDS WITH 4,000 OR MORE BIRTHS ≥24<sup>+0</sup> WEEKS GESTATIONAL AGE PER ANNUM**

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>†</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
Average for comparator group			3.05		0.85		3.09	
<b>ENGLAND</b>								
Barking, Havering and Redbridge University Hospitals NHS Trust	7,908	3.41	3.04 (2.61 to 3.52)	1.27	0.97 (0.63 to 1.57)	4.68	4.01 (3.61 to 4.85)	●
Basildon and Thurrock University Hospitals NHS Foundation Trust	4,599	2.17	3.03 (2.45 to 3.51)	0.65	0.78 (0.47 to 1.24)	2.83	3.79 (3.25 to 4.66)	●
Buckinghamshire Healthcare NHS Trust	5,024	*	3.05 (2.60 to 3.50)	*	0.73 (0.42 to 1.25)	2.99	3.79 (3.31 to 4.64)	●
Calderdale and Huddersfield NHS Foundation Trust	5,076	3.94	3.08 (2.69 to 3.64)	1.78	1.19 (0.70 to 2.17)	5.71	4.22 (3.71 to 5.36)	●
County Durham and Darlington NHS Foundation Trust	4,661	*	3.07 (2.64 to 3.59)	*	0.80 (0.48 to 1.35)	4.08	3.87 (3.42 to 4.71)	●
Dartford and Gravesham NHS Trust	4,915	*	3.04 (2.58 to 3.52)	*	0.77 (0.46 to 1.29)	3.26	3.82 (3.30 to 4.58)	●
Doncaster and Bassetlaw Hospitals NHS Foundation Trust	4,773	2.93	3.05 (2.58 to 3.50)	1.68	1.08 (0.63 to 1.82)	4.61	4.15 (3.62 to 5.13)	●
East Suffolk and North Essex NHS Foundation Trust	7,101	3.8	3.09 (2.68 to 3.73)	0.99	0.91 (0.60 to 1.45)	4.79	4.00 (3.55 to 5.07)	●
East and North Hertfordshire NHS Trust	5,569	2.69	3.05 (2.63 to 3.43)	0.72	0.84 (0.53 to 1.36)	3.41	3.88 (3.45 to 4.78)	●
Epsom and St Helier University Hospitals NHS Trust	4,418	3.62	3.08 (2.61 to 3.57)	1.36	1.00 (0.61 to 1.70)	4.98	4.08 (3.56 to 5.11)	●
Frimley Health NHS Foundation Trust	9,717	2.98	3.06 (2.66 to 3.51)	0.83	0.90 (0.58 to 1.40)	3.81	3.95 (3.53 to 4.77)	●
Gloucestershire Hospitals NHS Foundation Trust	6,213	3.06	3.07 (2.58 to 3.61)	1.61	1.03 (0.64 to 1.65)	4.67	4.14 (3.60 to 5.21)	●
Great Western Hospitals NHS Foundation Trust	4,163	1.92	3.03 (2.52 to 3.47)	0.96	0.89 (0.51 to 1.44)	2.88	3.92 (3.38 to 4.83)	●
Hampshire Hospitals NHS Foundation Trust	5,031	2.78	3.06 (2.57 to 3.53)	0.6	0.79 (0.50 to 1.27)	3.38	3.83 (3.36 to 4.71)	●
Kingston Hospital NHS Foundation Trust	5,163	2.52	3.04 (2.56 to 3.51)	1.17	0.97 (0.59 to 1.57)	3.68	4.02 (3.52 to 4.94)	●
Lewisham and Greenwich NHS trust	8,037	3.24	3.02 (2.54 to 3.55)	0.87	0.86 (0.54 to 1.36)	4.11	3.88 (3.38 to 4.70)	●



Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>†</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
London North West University Healthcare NHS Trust	4,649	*	3.04 (2.54 to 3.51)	*	0.69 (0.42 to 1.13)	3.23	3.72 (3.18 to 4.49)	●
Maidstone and Tunbridge Wells NHS Trust	6,080	*	3.00 (2.29 to 3.65)	*	0.70 (0.38 to 1.16)	1.32	3.69 (3.01 to 4.69)	●
Mid Essex Hospital Services NHS Trust	4,454	4.04	3.09 (2.65 to 3.84)	1.13	0.95 (0.55 to 1.58)	5.16	4.05 (3.57 to 5.16)	●
North Middlesex University Hospital NHS Trust	4,660	4.51	3.07 (2.60 to 3.63)	1.08	0.91 (0.56 to 1.50)	5.58	3.97 (3.53 to 4.89)	●
North West Anglia NHS Foundation Trust	6,837	2.78	3.05 (2.62 to 3.46)	0.44	0.78 (0.46 to 1.28)	3.22	3.82 (3.36 to 4.59)	●
Northampton General Hospital NHS Trust	4,729	*	3.07 (2.68 to 3.61)	*	0.67 (0.36 to 1.14)	3.59	3.71 (3.32 to 4.60)	●
Northern Lincolnshire and Goole Hospitals NHS Foundation Trust	4,135	*	3.06 (2.66 to 3.59)	*	0.72 (0.42 to 1.28)	3.63	3.78 (3.32 to 4.66)	●
Poole Hospital NHS Foundation Trust	4,293	*	3.02 (2.45 to 3.51)	*	0.80 (0.47 to 1.33)	1.86	3.82 (3.22 to 4.61)	●
Royal Berkshire NHS Foundation Trust	4,880	3.07	3.06 (2.57 to 3.41)	1.23	0.93 (0.58 to 1.52)	4.3	4.01 (3.47 to 4.87)	●
Royal Cornwall Hospitals NHS Trust	4,090	*	3.06 (2.59 to 3.51)	*	0.82 (0.49 to 1.34)	3.42	3.88 (3.38 to 4.73)	●
Royal Free London NHS Foundation Trust	8,510	1.65	2.97 (2.15 to 3.78)	0.35	0.73 (0.44 to 1.23)	2	3.71 (2.92 to 4.84)	●
Royal United Hospitals Bath NHS Foundation Trust	4,553	3.29	3.08 (2.59 to 3.56)	0.66	0.85 (0.51 to 1.41)	3.95	3.92 (3.43 to 4.77)	●
Sandwell and West Birmingham Hospitals NHS Trust	5,492	4.73	3.07 (2.61 to 3.54)	1.46	1.02 (0.66 to 1.67)	6.19	4.07 (3.57 to 5.01)	●
St Helens and Knowsley Teaching Hospitals NHS Trust	4,081	*	3.09 (2.63 to 3.76)	*	0.72 (0.40 to 1.18)	4.66	3.79 (3.30 to 4.76)	●
Surrey and Sussex Healthcare NHS Trust	4,485	1.34	3.01 (2.42 to 3.55)	1.12	0.88 (0.54 to 1.39)	2.45	3.90 (3.29 to 4.82)	●
The Dudley Group NHS Foundation Trust	4,317	3.01	3.04 (2.59 to 3.52)	1.63	1.00 (0.63 to 1.68)	4.63	4.05 (3.56 to 5.06)	●
The Hillingdon Hospitals NHS Foundation Trust	4,347	5.29	3.10 (2.63 to 3.77)	0.69	0.83 (0.52 to 1.36)	5.98	3.93 (3.49 to 4.91)	●
The Mid Yorkshire Hospitals NHS Trust	6,225	4.34	3.10 (2.62 to 3.83)	1.29	0.98 (0.61 to 1.55)	5.62	4.08 (3.60 to 5.12)	●
The Princess Alexandra Hospital NHS Trust	4,031	2.48	3.05 (2.59 to 3.52)	0.75	0.88 (0.52 to 1.50)	3.23	3.92 (3.46 to 4.76)	●
The Shrewsbury and Telford Hospital NHS Trust	4,590	3.05	3.06 (2.67 to 3.61)	1.31	0.94 (0.58 to 1.53)	4.36	4.00 (3.53 to 4.99)	●
United Lincolnshire Hospitals NHS Trust	4,927	3.86	3.08 (2.65 to 3.67)	0.61	0.80 (0.48 to 1.28)	4.47	3.87 (3.39 to 4.82)	●

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
University Hospitals of Derby and Burton NHS Foundation Trust	9,159	2.84	3.04 (2.52 to 3.50)	0.88	0.82 (0.53 to 1.27)	3.71	3.85 (3.33 to 4.72)	●
West Hertfordshire Hospitals NHS Trust	4,641	4.31	3.10 (2.64 to 3.80)	0.87	0.83 (0.52 to 1.34)	5.17	3.92 (3.43 to 5.03)	●
Western Sussex Hospitals NHS Foundation Trust	4,985	2.21	3.04 (2.59 to 3.51)	1.21	1.00 (0.61 to 1.65)	3.41	4.03 (3.50 to 4.87)	●
Worcestershire Acute Hospitals NHS Trust	5,250	3.05	3.06 (2.64 to 3.51)	0.76	0.79 (0.47 to 1.27)	3.81	3.83 (3.34 to 4.72)	●
York Teaching Hospital NHS Foundation Trust	4,528	*	3.03 (2.51 to 3.44)	*	0.78 (0.45 to 1.24)	2.21	3.80 (3.25 to 4.61)	●
<b>WALES</b>								
Betsi Cadwaladr University Health Board	6,586	3.04	3.06 (2.61 to 3.53)	1.68	1.04 (0.68 to 1.71)	4.71	4.14 (3.59 to 5.14)	●
Cwm Taf Morgannwg University Health Board	5,764	3.64	3.06 (2.66 to 3.61)	1.04	0.91 (0.57 to 1.46)	4.68	3.97 (3.51 to 4.88)	●
<b>NORTHERN IRELAND<sup>°</sup></b>								
South Eastern Health and Social Care Trust	4,292	*	3.03 (2.37 to 3.55)	*	0.70 (0.40 to 1.23)	1.16	3.73 (3.07 to 4.59)	●
Southern Health and Social Care Trust	5,650	3.19	3.06 (2.66 to 3.58)	0.53	0.77 (0.47 to 1.29)	3.72	3.82 (3.33 to 4.66)	●

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

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

<sup>#</sup> colours represent variation from comparator group average extended perinatal mortality rate

\* entry suppressed because of small number of deaths

<sup>°</sup> different laws exist in Northern Ireland for the termination of pregnancy

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

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**Table 24: Crude and stabilised & adjusted stillbirth, neonatal, and extended perinatal mortality rates excluding congenital anomalies by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018 FOR TRUSTS AND HEALTH BOARDS WITH 2,000 TO 3,999 BIRTHS ≥24<sup>+</sup> WEEKS GESTATIONAL AGE PER ANNUM**

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>†</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
Average for comparator group			2.80		0.82		3.61	
<b>ENGLAND</b>								
Airedale NHS Foundation Trust	2,046	*	2.80 (2.32 to 3.36)	*	0.82 (0.46 to 1.33)	3.42	3.62 (3.11 to 4.53)	●
Barnsley Hospital NHS Foundation Trust	2,878	3.47	2.80 (2.35 to 3.32)	2.09	1.01 (0.61 to 1.65)	5.56	3.83 (3.27 to 4.92)	●
Bedford Hospital NHS Trust	2,845	*	2.79 (2.28 to 3.31)	*	0.73 (0.38 to 1.22)	1.76	3.53 (2.98 to 4.30)	●
Blackpool Teaching Hospitals NHS Foundation Trust	2,810	*	2.80 (2.42 to 3.27)	*	0.78 (0.45 to 1.33)	3.91	3.56 (3.09 to 4.52)	●
Chesterfield Royal Hospital NHS Foundation Trust	2,710	*	2.78 (2.19 to 3.26)	*	0.75 (0.43 to 1.25)	1.11	3.53 (2.90 to 4.34)	●
Countess of Chester Hospital NHS Foundation Trust	2,482	*	2.80 (2.31 to 3.27)	*	0.73 (0.41 to 1.23)	2.42	3.53 (3.03 to 4.28)	●
Croydon Health Services NHS Trust	3,463	2.31	2.78 (2.25 to 3.26)	0.87	0.79 (0.47 to 1.31)	3.18	3.57 (3.03 to 4.36)	●
East Sussex Healthcare NHS Trust	3,128	*	2.79 (2.31 to 3.25)	*	0.78 (0.45 to 1.26)	2.88	3.57 (3.04 to 4.38)	●
George Eliot Hospital NHS Trust	2,262	3.09	2.80 (2.40 to 3.34)	1.77	0.98 (0.54 to 1.64)	4.86	3.75 (3.27 to 4.66)	●
James Paget University Hospitals NHS Foundation Trust	2,024	3.95	2.80 (2.39 to 3.38)	1.49	0.92 (0.52 to 1.62)	5.43	3.72 (3.22 to 4.64)	●
Kettering General Hospital NHS Foundation Trust	3,261	2.76	2.80 (2.38 to 3.29)	1.23	0.85 (0.48 to 1.42)	3.99	3.65 (3.09 to 4.66)	●
Mid Cheshire Hospitals NHS Foundation Trust	2,888	2.77	2.80 (2.39 to 3.30)	1.39	0.89 (0.54 to 1.48)	4.16	3.71 (3.18 to 4.70)	●
Milton Keynes University Hospital NHS Foundation Trust	3,689	*	2.79 (2.31 to 3.26)	*	0.73 (0.41 to 1.24)	2.44	3.52 (2.99 to 4.28)	●
North Cumbria Integrated Care NHS Foundation Trust	2,731	2.93	2.80 (2.41 to 3.35)	1.10	0.87 (0.54 to 1.48)	4.03	3.68 (3.19 to 4.59)	●
Northumbria Healthcare NHS Foundation Trust	3,143	*	2.81 (2.41 to 3.47)	*	0.72 (0.38 to 1.24)	3.82	3.55 (3.11 to 4.51)	●
Royal Devon and Exeter NHS Foundation Trust	3,929	3.05	2.80 (2.42 to 3.28)	1.28	0.95 (0.55 to 1.57)	4.33	3.76 (3.26 to 4.76)	●
Royal Surrey County Hospital NHS Foundation Trust	2,851	1.40	2.79 (2.29 to 3.21)	1.40	0.92 (0.54 to 1.53)	2.81	3.72 (3.11 to 4.62)	●

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
Salisbury NHS Foundation Trust	2,193	*	2.80 (2.39 to 3.33)	*	0.79 (0.45 to 1.30)	3.65	3.58 (3.17 to 4.47)	●
Sherwood Forest Hospitals NHS Foundation Trust	3,250	2.15	2.79 (2.31 to 3.31)	0.93	0.83 (0.50 to 1.42)	3.08	3.62 (3.07 to 4.48)	●
South Warwickshire NHS Foundation Trust	2,867	*	2.78 (2.29 to 3.23)	*	0.74 (0.42 to 1.28)	1.05	3.54 (3.03 to 4.27)	●
Southend University Hospital NHS Foundation Trust	3,523	2.84	2.80 (2.40 to 3.35)	1.14	0.86 (0.53 to 1.47)	3.97	3.66 (3.19 to 4.57)	●
Southport & Ormskirk Hospital NHS Trust	2,257	*	2.79 (2.36 to 3.28)	*	0.86 (0.49 to 1.45)	3.10	3.65 (3.15 to 4.53)	●
Stockport NHS Foundation Trust	3,194	*	2.80 (2.36 to 3.29)	*	0.82 (0.45 to 1.37)	3.44	3.62 (3.14 to 4.55)	●
Tameside and Glossop Integrated Care NHS Foundation Trust	2,349	*	2.79 (2.31 to 3.22)	*	0.77 (0.44 to 1.31)	2.55	3.56 (3.07 to 4.39)	●
Taunton and Somerset NHS Foundation Trust	3,118	3.21	2.80 (2.40 to 3.38)	1.61	0.95 (0.56 to 1.56)	4.81	3.77 (3.26 to 4.75)	●
The Queen Elizabeth Hospital King's Lynn NHS Foundation Trust	2,147	2.79	2.80 (2.37 to 3.29)	1.40	0.90 (0.51 to 1.48)	4.19	3.69 (3.20 to 4.56)	●
The Rotherham NHS Foundation Trust	2,535	2.76	2.79 (2.36 to 3.27)	1.19	0.84 (0.53 to 1.40)	3.94	3.64 (3.14 to 4.58)	●
Torbay and South Devon NHS Foundation Trust	2,234	*	2.79 (2.36 to 3.23)	*	0.84 (0.51 to 1.45)	3.13	3.64 (3.13 to 4.48)	●
University Hospitals of Morecambe Bay NHS Foundation Trust	3,075	4.23	2.82 (2.38 to 3.59)	0.98	0.87 (0.52 to 1.44)	5.20	3.68 (3.19 to 4.80)	●
Walsall Healthcare NHS Trust	3,476	4.32	2.81 (2.41 to 3.38)	1.16	0.84 (0.51 to 1.44)	5.47	3.65 (3.15 to 4.67)	●
Warrington and Halton Hospitals NHS Foundation Trust	2,827	*	2.81 (2.43 to 3.46)	*	0.74 (0.42 to 1.22)	4.24	3.53 (3.09 to 4.46)	●
West Suffolk NHS Foundation Trust	2,428	*	2.79 (2.33 to 3.25)	*	0.80 (0.46 to 1.32)	2.47	3.59 (3.08 to 4.45)	●
Whittington Health	3,550	3.38	2.80 (2.37 to 3.35)	0.85	0.87 (0.49 to 1.54)	4.23	3.65 (3.18 to 4.53)	●
Wrightington, Wigan and Leigh NHS Foundation Trust	2,617	*	2.80 (2.41 to 3.34)	*	0.84 (0.49 to 1.42)	4.20	3.64 (3.19 to 4.56)	●
<b>SCOTLAND</b>								
NHS Forth Valley	2,971	*	2.78 (2.23 to 3.26)	*	0.73 (0.40 to 1.22)	1.68	3.50 (2.91 to 4.29)	●
NHS Highland	2,089	*	2.79 (2.26 to 3.26)	*	0.78 (0.47 to 1.24)	1.91	3.56 (3.04 to 4.43)	●
<b>WALES</b>								
Hywel Dda University Health Board	3,168	*	2.82 (2.40 to 3.58)	*	0.79 (0.45 to 1.30)	5.37	3.61 (3.09 to 4.74)	●

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
<b>NORTHERN IRELAND<sup>°</sup></b>								
Northern Health and Social Care Trust	3,767	2.39	2.79 (2.35 to 3.28)	0.80	0.79 (0.47 to 1.31)	3.19	3.58 (3.05 to 4.43)	●
Western Health and Social Care Trust	3,825	*	2.82 (2.40 to 3.50)	*	0.74 (0.45 to 1.26)	4.71	3.56 (3.10 to 4.56)	●

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

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

<sup>#</sup> colours represent variation from comparator group average extended perinatal mortality rate

\* entry suppressed because of small number of deaths

<sup>°</sup> different laws exist in Northern Ireland for the termination of pregnancy

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

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**Table 25: Crude and stabilised & adjusted stillbirth, neonatal, and extended perinatal mortality rates excluding congenital anomalies by NHS Trust (England), Health Board (Scotland and Wales), Health and Social Care Trust (Northern Ireland), and Crown Dependency based on place of birth: United Kingdom and Crown Dependencies, for births in 2018 FOR TRUSTS AND HEALTH BOARDS WITH FEWER THAN 2,000 BIRTHS ≥24+0 WEEKS GESTATIONAL AGE PER ANNUM**

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
Average for comparator group			2.18		0.36		2.54	
<b>ENGLAND</b>								
Dorset County Hospital NHS Foundation Trust	1,698	*	2.17 (1.41 to 2.84)	*	0.37 (0.12 to 0.84)	1.77	2.55 (1.80 to 3.37)	●
East Cheshire NHS Trust	1,511	*	2.18 (1.51 to 2.96)	*	0.35 (0.09 to 0.72)	1.99	2.53 (1.79 to 3.42)	●
Gateshead Health NHS Foundation Trust	1,775	*	2.19 (1.69 to 3.16)	*	0.35 (0.08 to 0.72)	3.94	2.53 (1.99 to 3.62)	●
Harrogate and District NHS Foundation Trust	1,813	*	2.17 (1.42 to 2.84)	*	0.40 (0.17 to 0.96)	2.21	2.59 (1.91 to 3.53)	●
Isle of Wight NHS Trust	1,052	*	2.17 (1.44 to 2.91)	*	0.35 (0.08 to 0.80)	*	2.53 (1.75 to 3.31)	●
Northern Devon Healthcare NHS Trust	1,329	*	2.18 (1.50 to 2.89)	*	0.35 (0.08 to 0.74)	*	2.53 (1.81 to 3.36)	●
RAF Lakenheath (48th Medical Group)	385	*	2.18 (1.44 to 2.98)	*	0.36 (0.09 to 0.76)	*	2.54 (1.78 to 3.43)	●
The Portland Hospital for Women and Children	1,355	*	2.18 (1.47 to 2.93)	*	0.36 (0.09 to 0.76)	*	2.53 (1.76 to 3.42)	●
The Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust	247	*	2.18 (1.46 to 2.99)	*	0.36 (0.08 to 0.76)	*	2.54 (1.78 to 3.44)	●
Weston Area Health NHS Trust	94	*	2.18 (1.48 to 2.96)	*	0.36 (0.10 to 0.76)	*	2.54 (1.82 to 3.40)	●
Wye Valley NHS Trust	1,692	*	2.17 (1.45 to 2.82)	*	0.40 (0.16 to 0.91)	2.36	2.58 (1.91 to 3.54)	●
Yeovil District Hospital NHS Foundation Trust	1,399	*	2.19 (1.67 to 3.12)	*	0.38 (0.14 to 0.80)	5.00	2.56 (2.07 to 3.66)	●
<b>SCOTLAND</b>								
NHS Borders	986	*	2.18 (1.61 to 3.05)	*	0.36 (0.09 to 0.78)	4.06	2.54 (1.93 to 3.55)	●
NHS Dumfries & Galloway	1,188	*	2.18 (1.68 to 3.07)	*	0.38 (0.15 to 0.87)	5.05	2.57 (2.08 to 3.72)	●
NHS Orkney	123	*	2.18 (1.47 to 3.01)	*	0.36 (0.11 to 0.78)	*	2.54 (1.82 to 3.49)	●
NHS Shetland	95	*	2.18 (1.53 to 3.03)	*	0.36 (0.10 to 0.81)	*	2.54 (1.86 to 3.56)	●
NHS Western Isles	158	*	2.18 (1.47 to 2.94)	*	0.36 (0.08 to 0.80)	*	2.53 (1.78 to 3.44)	●
<b>WALES</b>								
Powys Teaching Health Board	217	*	2.18 (1.49 to 3.02)	*	0.36 (0.09 to 0.80)	*	2.54 (1.87 to 3.47)	●

Organisation	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
<b>CROWN DEPENDENCIES</b>								
Isle of Man Department of Health and Social Care	726	*	2.17 (1.43 to 2.92)	*	0.36 (0.09 to 0.78)	*	2.53 (1.77 to 3.33)	●
States of Guernsey Health & Social Services	501	*	2.18 (1.49 to 2.97)	*	0.36 (0.10 to 0.80)	*	2.54 (1.83 to 3.51)	●
States of Jersey Health & Social Services	936	*	2.18 (1.51 to 3.04)	*	0.36 (0.08 to 0.72)	3.21	2.53 (1.85 to 3.49)	●

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

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

<sup>#</sup> colours represent variation from comparator group average extended perinatal mortality rate

° different laws exist in Northern Ireland for the termination of pregnancy

\* entry suppressed because of small number of deaths

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

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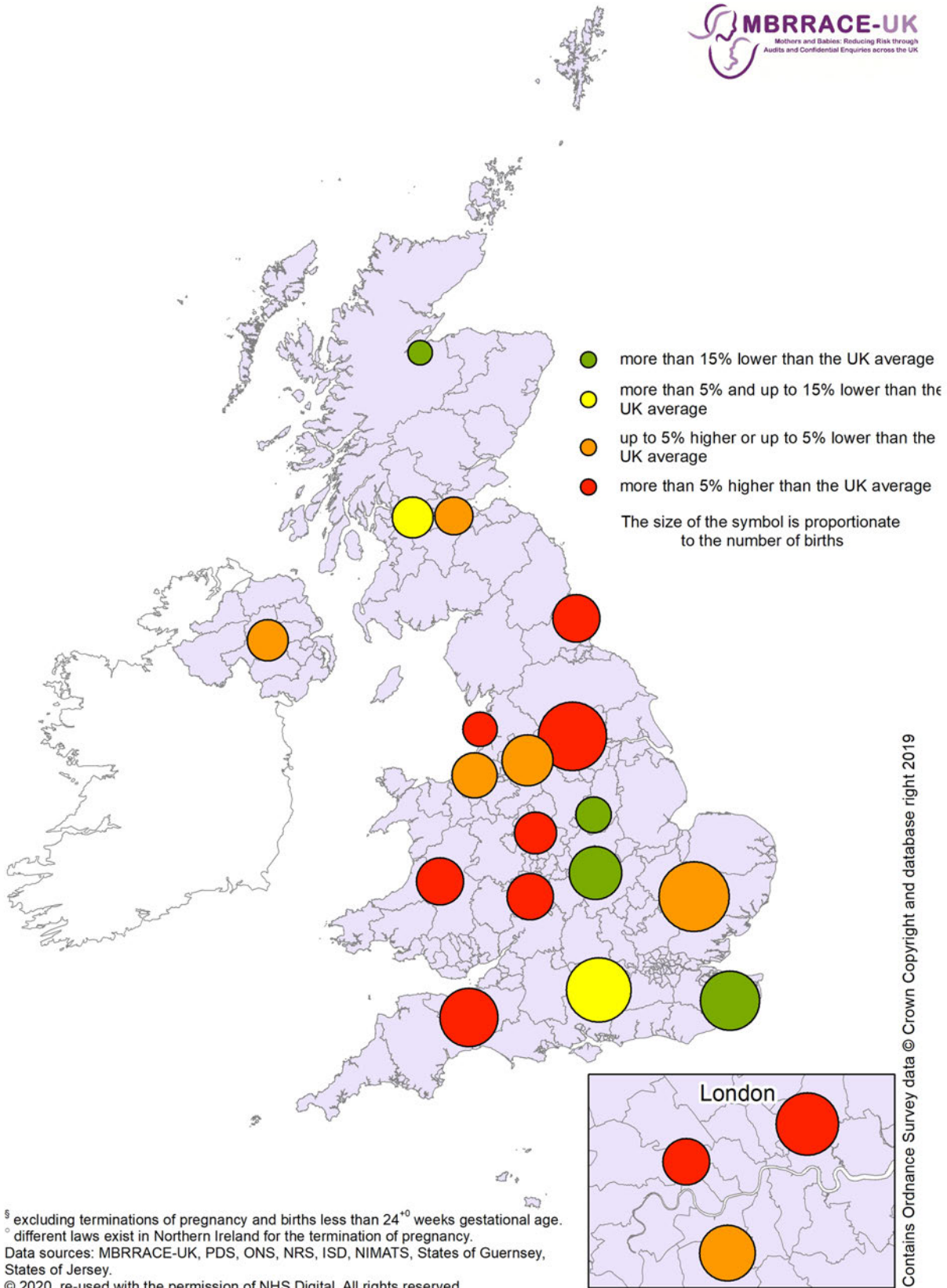


### 3.3 Mortality rates by Neonatal Network\*

Maps begin on page 86.

\* Table 26 was updated on 19<sup>th</sup> January 2021.

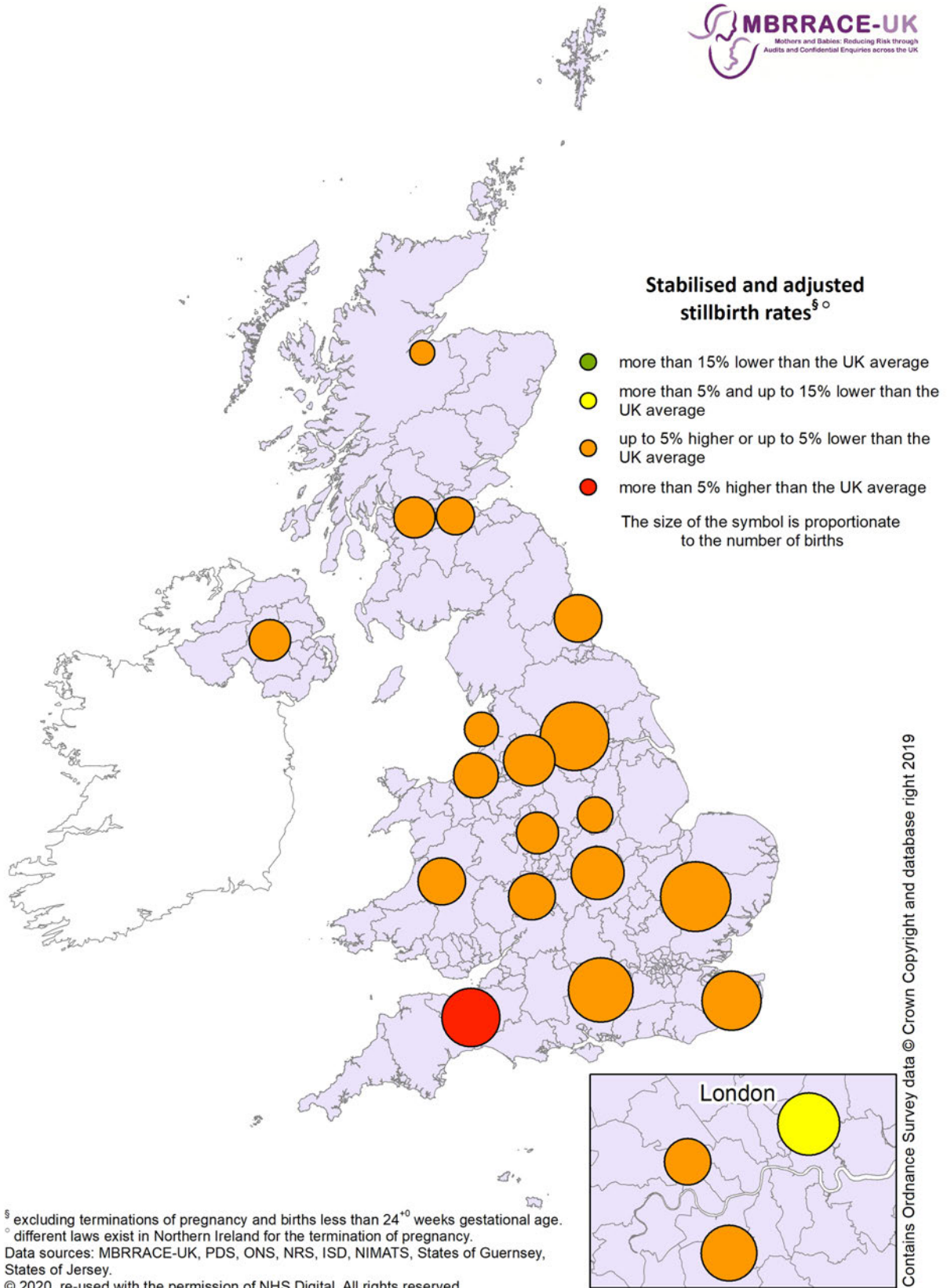
**Figure 25: Crude stillbirth mortality rates by Neonatal Network based on place of birth: United Kingdom, for births in 2018**



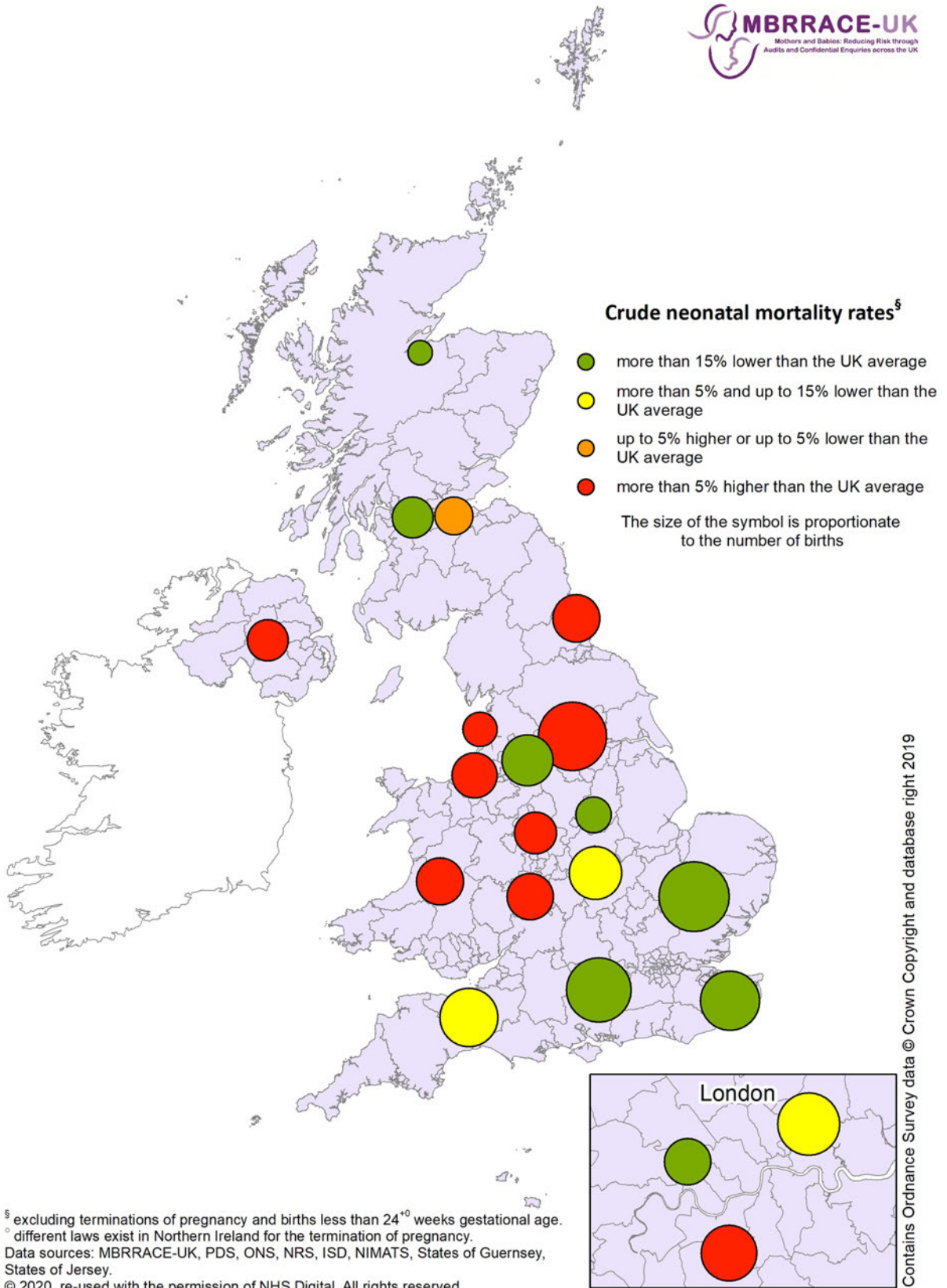
<sup>§</sup> excluding terminations of pregnancy and births less than 24<sup>th</sup> weeks gestational age.  
<sup>°</sup> different laws exist in Northern Ireland for the termination of pregnancy.  
 Data sources: MBRRACE-UK, PDS, ONS, NRS, ISD, NIMATS, States of Guernsey, States of Jersey.  
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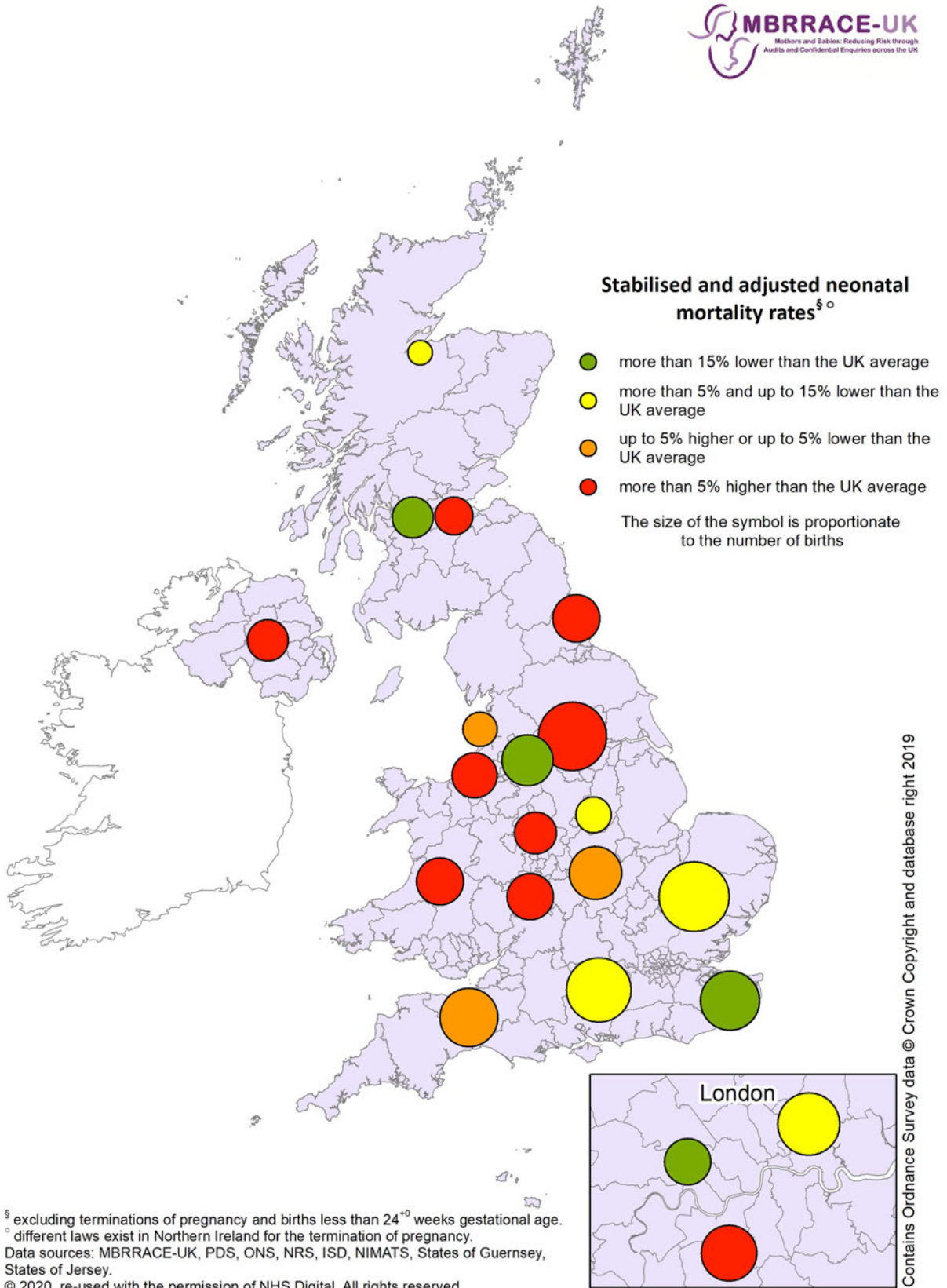
**Figure 26: Stabilised & adjusted stillbirth mortality rates by Neonatal Network based on place of birth: United Kingdom, for births in 2018**



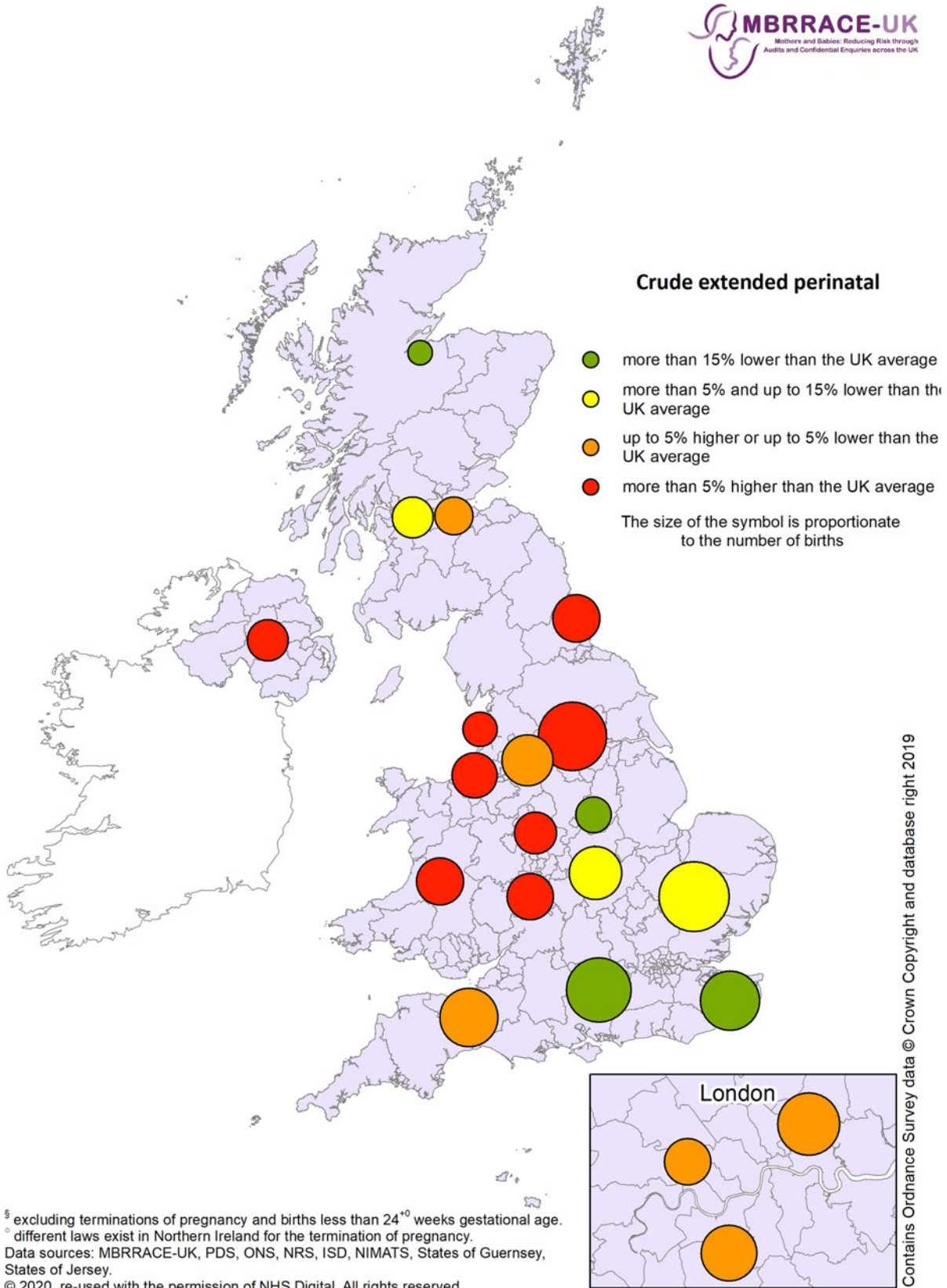
**Figure 27: Crude neonatal mortality rates by Neonatal Network based on place of birth: United Kingdom, for births in 2018**



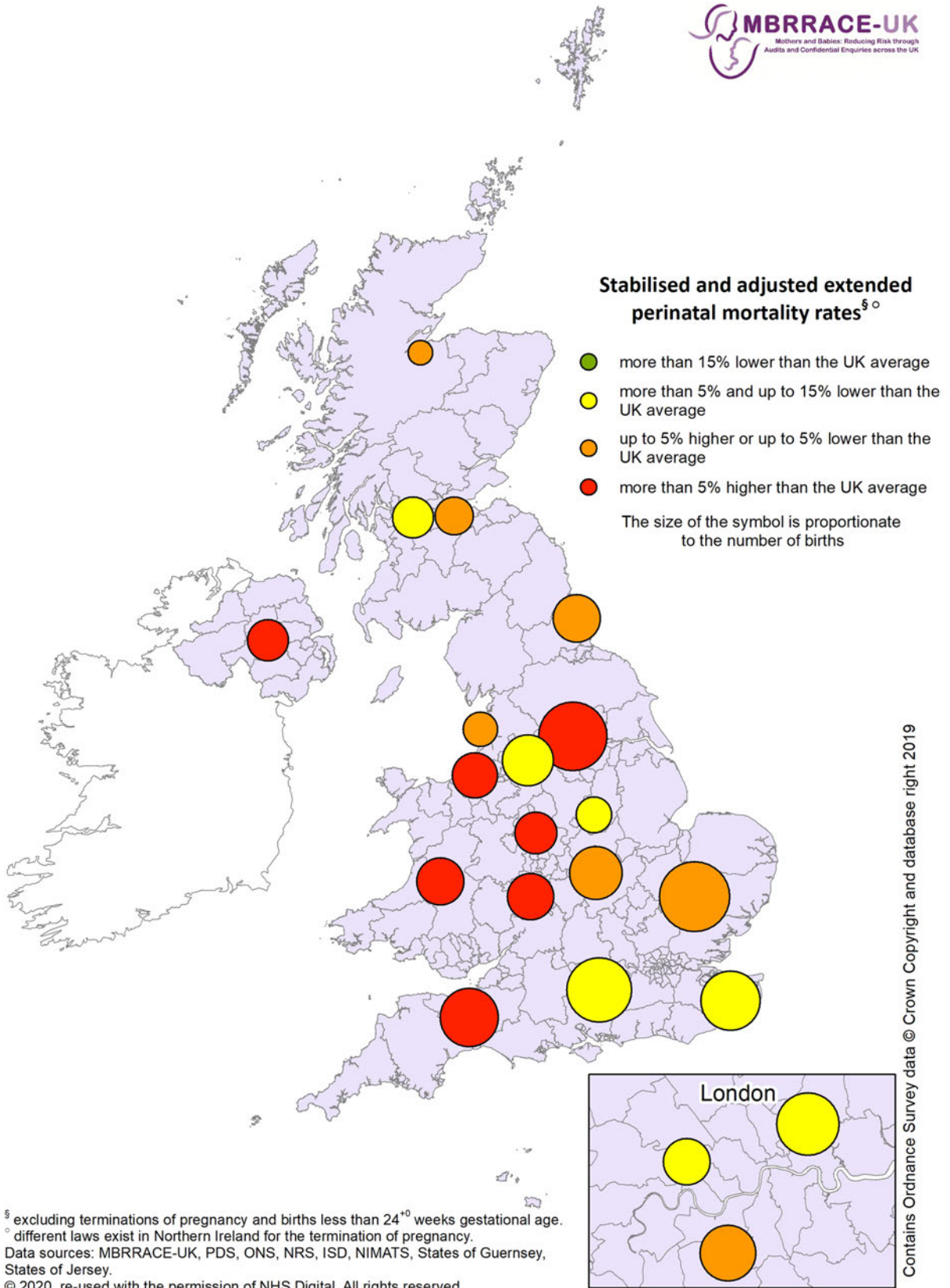
**Figure 28: Stabilised & adjusted neonatal mortality rates by Neonatal Network based on place of birth: United Kingdom, for births in 2018**



**Figure 29: Crude extended perinatal mortality rates by Neonatal Network based on place of birth: United Kingdom, for births in 2018**



**Figure 30: Stabilised & adjusted extended perinatal mortality rates by Neonatal Network based on place of birth: United Kingdom, for births in 2016**



**Table 26: Crude and stabilised & adjusted stillbirth, neonatal, and extended perinatal mortality rates by Neonatal Network based on place of birth: United Kingdom, for births in 2018**

Neonatal Network	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI)	Crude	Stabilised & adjusted (95% CI) <sup>#</sup>	
<b>ENGLAND</b>								
Central	38,230	2.93	3.36 (2.93 to 3.92)	1.55	1.57 (1.22 to 2.07)	4.47	4.92 (4.47 to 5.98)	●
East of England	66,389	3.37	3.57 (3.20 to 4.03)	1.3	1.51 (1.21 to 1.90)	4.67	5.06 (4.74 to 5.80)	●
North Central & East London	52,376	3.74	3.30 (2.89 to 3.94)	1.51	1.46 (1.15 to 1.96)	5.25	4.76 (4.41 to 5.80)	●
North West (Cheshire and Merseyside)	27,694	3.54	3.58 (3.20 to 4.09)	2.07	1.94 (1.49 to 2.60)	5.60	5.54 (5.06 to 6.58)	●
North West (Greater Manchester)	35,940	3.59	3.45 (3.14 to 3.92)	1.31	1.34 (1.07 to 1.81)	4.90	4.77 (4.52 to 5.65)	●
North West (Lancashire and South Cumbria)	16,219	4.13	3.61 (3.23 to 4.28)	1.92	1.71 (1.31 to 2.32)	6.04	5.32 (4.84 to 6.43)	●
North West London	29,882	4.02	3.49 (3.15 to 3.98)	1.18	1.26 (0.97 to 1.80)	5.19	4.74 (4.45 to 5.66)	●
Northern	30,681	3.78	3.59 (3.22 to 4.10)	1.80	1.72 (1.33 to 2.35)	5.57	5.31 (4.87 to 6.35)	●
South East Coast	47,098	2.82	3.38 (2.96 to 3.89)	1.21	1.32 (1.02 to 1.76)	4.03	4.67 (4.31 to 5.50)	●
South London	42,167	3.6	3.37 (2.97 to 4.00)	1.76	1.76 (1.39 to 2.33)	5.36	5.12 (4.74 to 6.15)	●
South West	46,388	3.71	3.73 (3.14 to 4.49)	1.49	1.71 (1.33 to 2.19)	5.20	5.43 (4.82 to 6.50)	●
Southern West Midlands	29,991	4.43	3.56 (3.24 to 4.01)	3.05	2.44 (1.92 to 3.23)	7.47	6.01 (5.55 to 7.15)	●
Staffordshire, Shropshire and Black Country	24,013	4.08	3.57 (3.21 to 4.10)	2.43	1.90 (1.46 to 2.45)	6.50	5.50 (5.06 to 6.45)	●
Thames Valley and Wessex	56,617	3.11	3.47 (3.10 to 3.82)	1.20	1.41 (1.10 to 1.83)	4.31	4.88 (4.51 to 5.61)	●
Trent	17,205	2.96	3.43 (3.01 to 3.90)	1.34	1.46 (1.10 to 1.98)	4.30	4.88 (4.49 to 5.80)	●
Yorkshire & Humber	63,561	3.68	3.54 (3.22 to 3.94)	2.15	2.05 (1.64 to 2.66)	5.82	5.59 (5.26 to 6.51)	●
<b>SCOTLAND</b>								
North of Scotland	8,404	2.74	3.49 (3.12 to 3.95)	0.72	1.41 (0.99 to 2.08)	3.45	4.90 (4.49 to 5.86)	●
South East Scotland & Tayside	19,963	3.56	3.57 (3.20 to 4.08)	1.71	1.74 (1.30 to 2.38)	5.26	5.31 (4.85 to 6.31)	●
West of Scotland	23,080	3.16	3.48 (3.09 to 3.94)	1.30	1.39 (1.04 to 1.89)	4.46	4.83 (4.45 to 5.67)	●
<b>WALES</b>	30,689	3.71	3.59 (3.22 to 4.10)	1.83	1.81 (1.42 to 2.44)	5.54	5.40 (5.01 to 6.42)	●
<b>NORTHERN IRELAND<sup>°</sup></b>	23,015	3.43	3.54 (3.20 to 4.00)	2.05	2.07 (1.52 to 2.85)	5.47	5.60 (5.07 to 6.73)	●

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

<sup>†</sup> per 1,000 total births

<sup>‡</sup> per 1,000 live births

<sup>#</sup> colours represent variation from comparator group average extended perinatal mortality rate

<sup>°</sup> different laws exist in Northern Ireland for the termination of pregnancy

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

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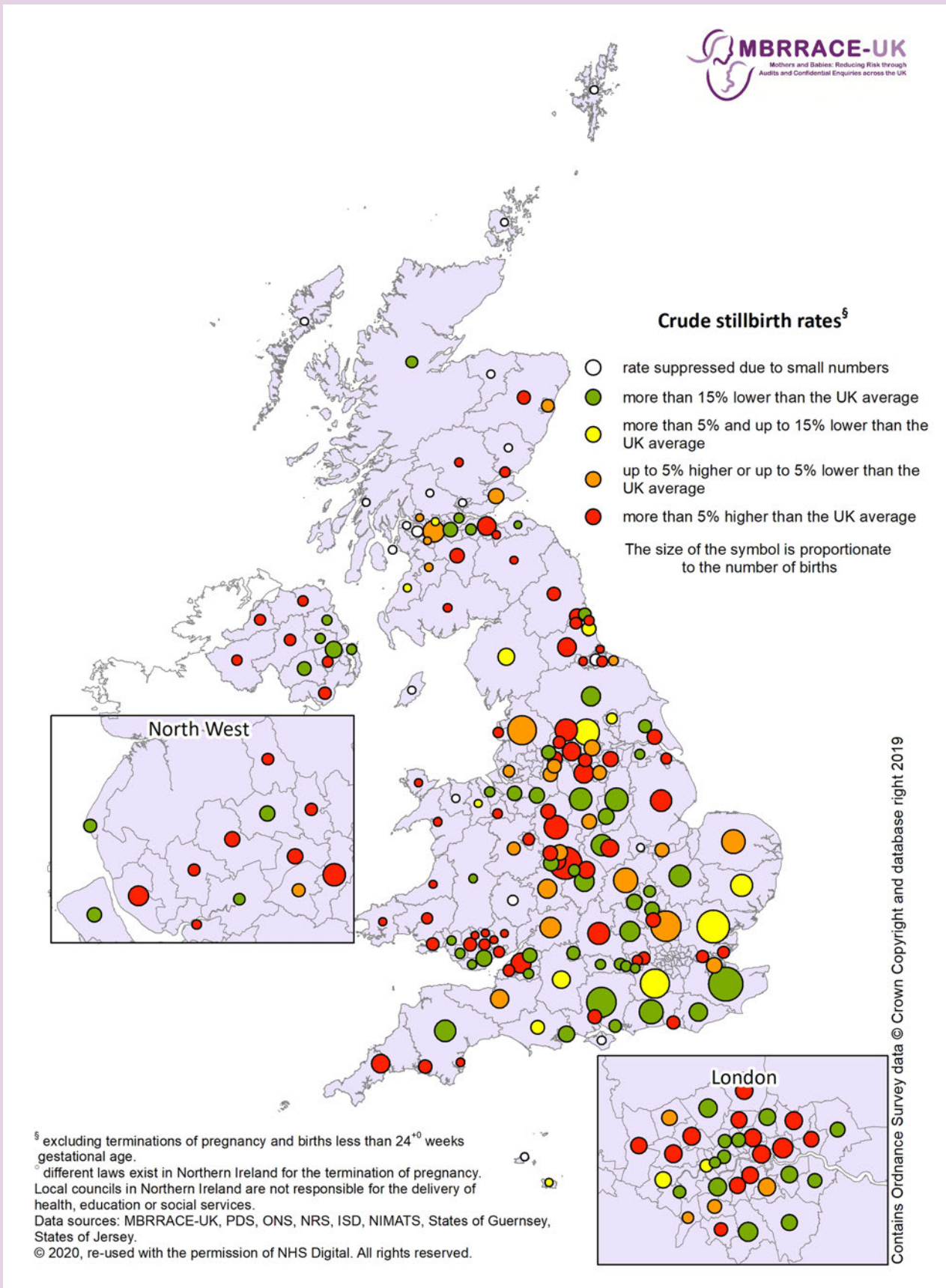


## 4. Mortality rates by Local Authority

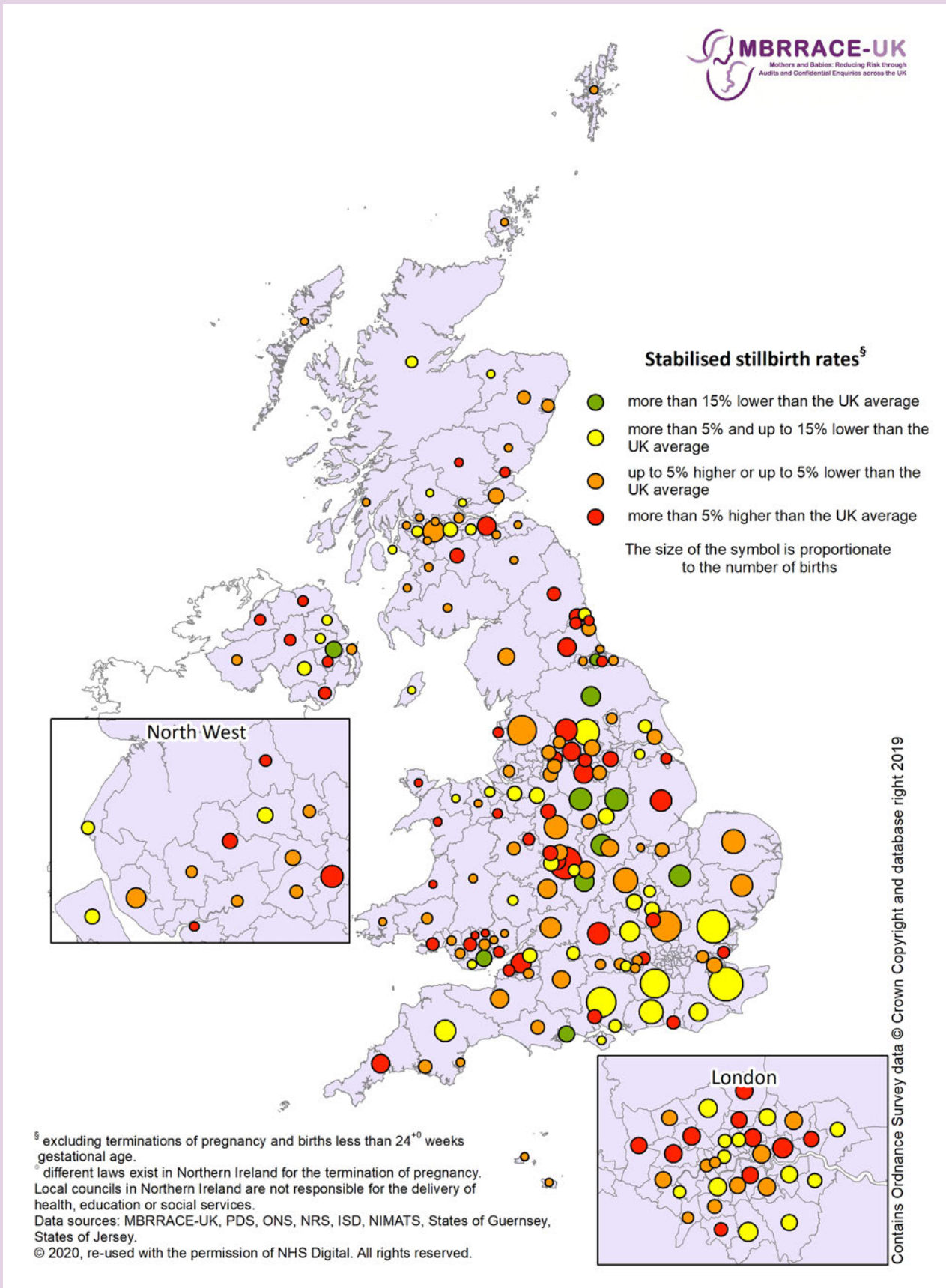
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Maps begin on page 94.

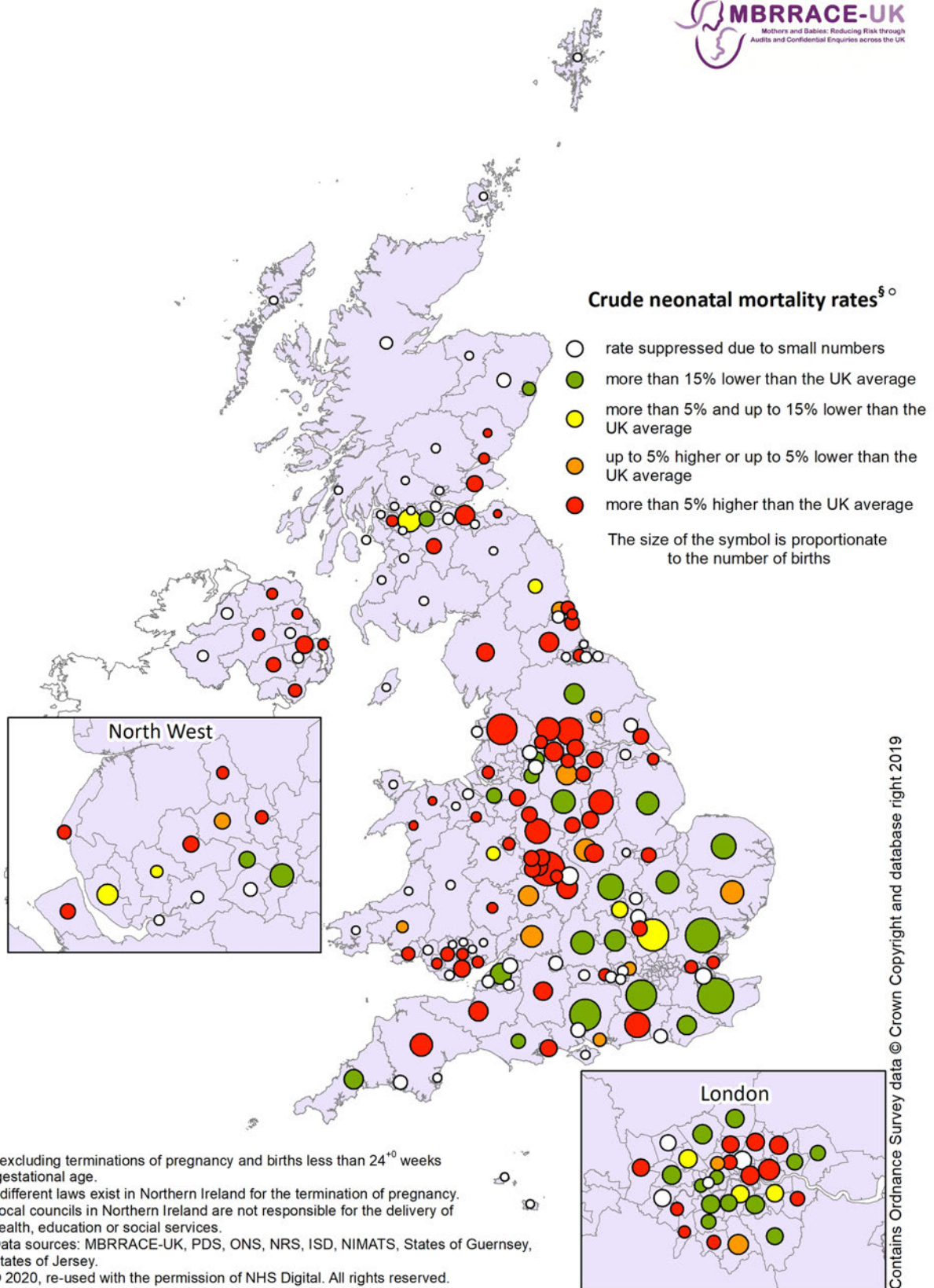
**Figure 31: Crude stillbirth rates by Local Authority based on postcode of mother's residence at time of delivery: United Kingdom and Crown Dependencies, for births in 2018**



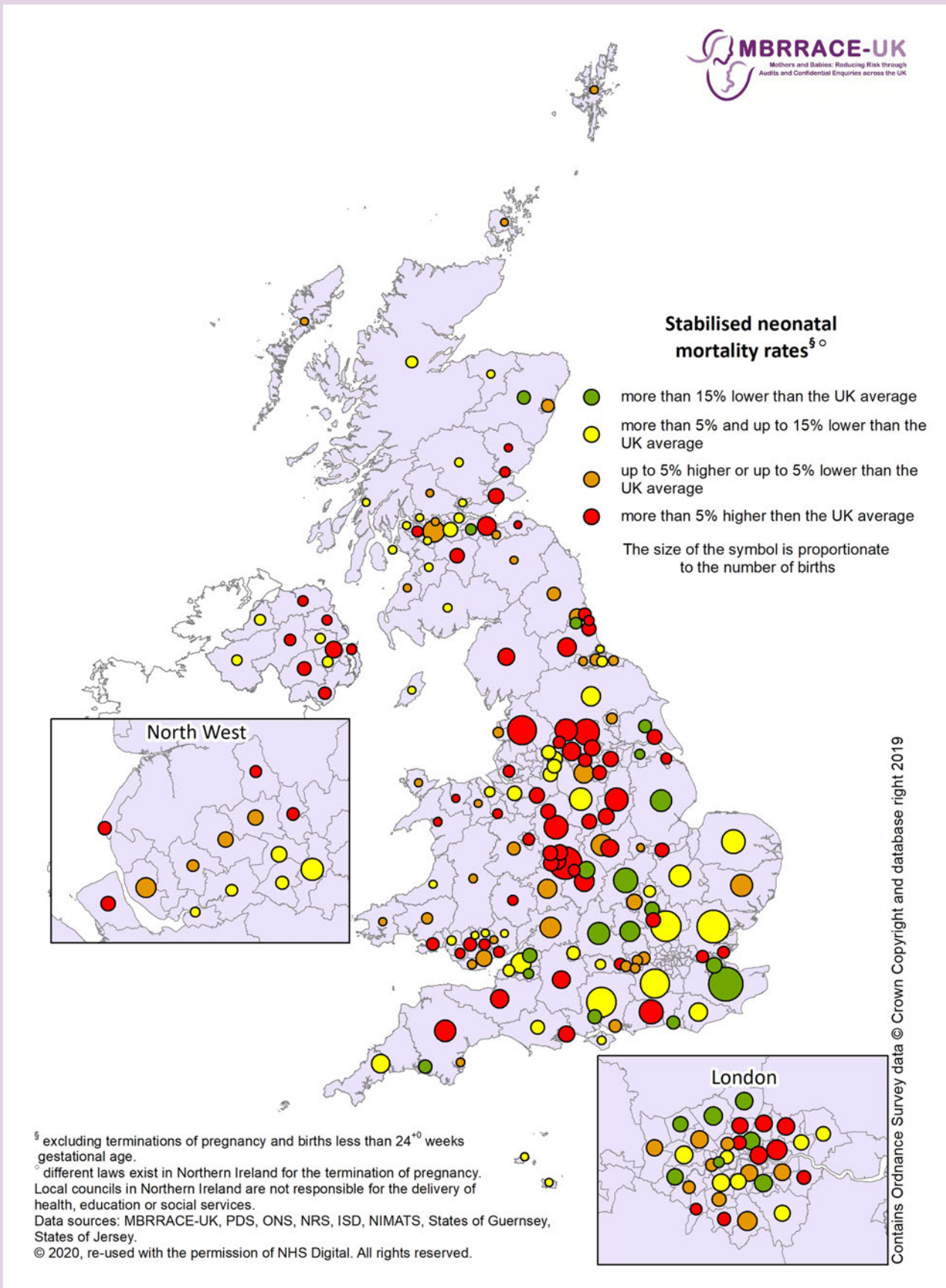
**Figure 32: Stabilised stillbirth rates by Local Authority based on postcode of mother's residence at time of delivery: United Kingdom and Crown Dependencies, for births in 2018**



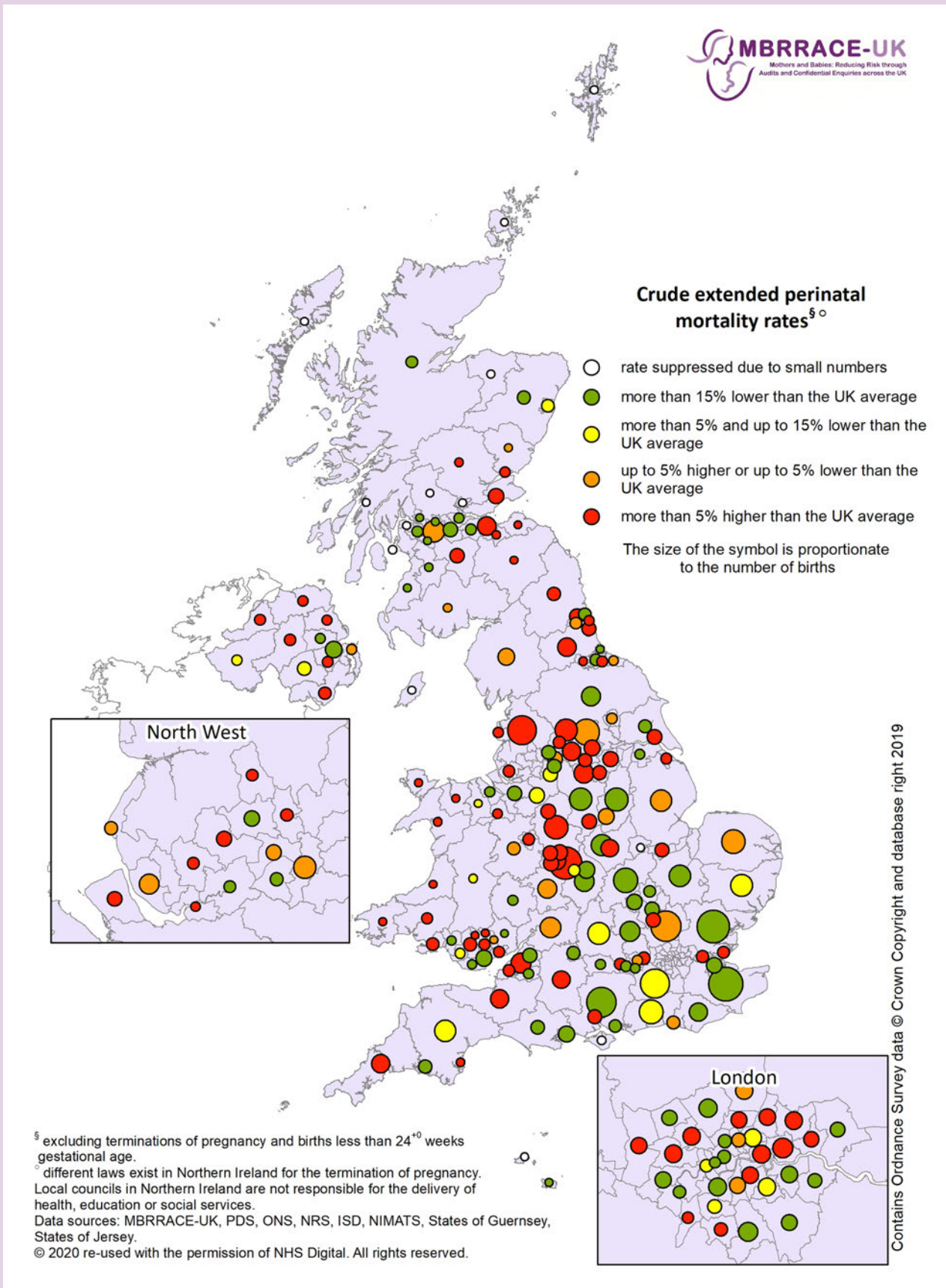
**Figure 33: Crude neonatal mortality rates by Local Authority based on postcode of mother's residence at time of delivery: United Kingdom and Crown Dependencies, for births in 2018**



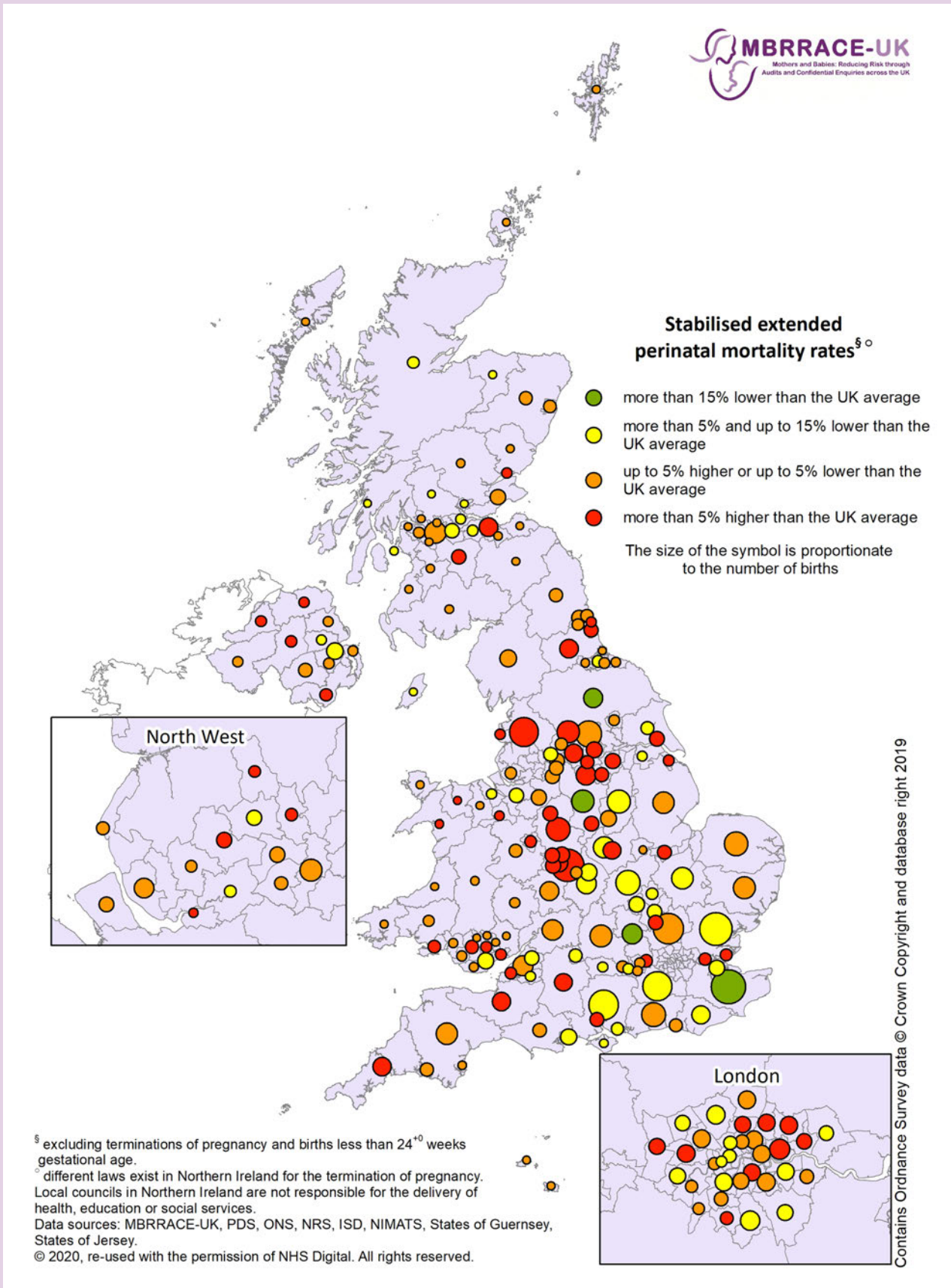
**Figure 34: Stabilised neonatal mortality rates by Local Authority based on postcode of mother's residence at time of delivery: United Kingdom and Crown Dependencies, for births in 2018**



**Figure 35: Crude extended perinatal mortality rates by Local Authority based on postcode of mother's residence at time of delivery: United Kingdom and Crown Dependencies, for births in 2018**



**Figure 36: Stabilised extended perinatal mortality rates by Local Authority based on postcode of mother's residence at time of delivery: United Kingdom and Crown Dependencies, for births in 2018**



**Table 27: Crude and stabilised stillbirth, neonatal, and extended perinatal mortality rates by Local Authority based on postcode of mother's residence at time of delivery: United Kingdom and Crown Dependencies, for births in 2018**

Local Authority	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
<b>ENGLAND</b>								
Barking and Dagenham	3,662	5.73	4.31 (3.11 to 5.97)	1.10	1.48 (0.91 to 2.39)	6.83	5.79 (4.37 to 7.85)	●
Barnet	5,094	2.75	3.23 (2.41 to 4.33)	0.79	1.32 (0.79 to 2.11)	3.53	4.55 (3.64 to 5.99)	●
Barnsley	2,658	4.14	3.69 (2.64 to 5.22)	2.64	1.95 (1.23 to 3.28)	6.77	5.63 (4.37 to 7.75)	●
Bath and North East Somerset	1,681	*	3.42 (2.45 to 5.04)	*	1.35 (0.78 to 2.30)	2.97	4.77 (3.68 to 6.79)	●
Bedford	2,150	*	3.26 (2.33 to 4.64)	*	1.39 (0.80 to 2.27)	2.79	4.65 (3.59 to 6.36)	●
Bexley	3,006	2.33	3.20 (2.32 to 4.50)	2.00	1.77 (1.08 to 2.81)	4.32	4.96 (3.80 to 6.63)	●
Birmingham	16,122	5.40	4.91 (3.94 to 6.24)	2.81	2.59 (1.92 to 3.65)	8.19	7.49 (6.34 to 9.04)	●
Blackburn with Darwen	2,051	6.34	4.17 (3.02 to 6.08)	1.96	1.73 (1.06 to 2.87)	8.29	5.89 (4.54 to 8.05)	●
Blackpool	1,626	*	3.89 (2.74 to 5.44)	*	1.57 (0.91 to 2.65)	6.77	5.46 (4.19 to 7.36)	●
Bolton	3,609	2.49	3.20 (2.33 to 4.36)	1.67	1.67 (1.04 to 2.71)	4.16	4.87 (3.71 to 6.40)	●
Bournemouth, Christchurch and Poole	3,824	1.05	2.76 (1.90 to 3.83)	1.83	1.73 (1.10 to 2.82)	2.88	4.48 (3.45 to 5.79)	●
Bracknell Forest	1,407	*	3.41 (2.44 to 4.89)	*	1.61 (1.00 to 2.75)	4.26	5.02 (3.88 to 6.81)	●
Bradford	7,268	4.68	4.14 (3.15 to 5.40)	2.49	2.15 (1.44 to 3.34)	7.15	6.27 (4.96 to 8.03)	●
Brent	4,749	4.00	3.72 (2.78 to 5.04)	1.48	1.60 (0.99 to 2.56)	5.47	5.32 (4.11 to 6.85)	●
Brighton and Hove	2,535	*	3.84 (2.71 to 5.34)	*	1.35 (0.80 to 2.33)	5.13	5.19 (3.90 to 6.95)	●
Bristol, City of	5,911	4.40	3.94 (3.01 to 5.28)	1.02	1.39 (0.89 to 2.16)	5.41	5.33 (4.21 to 6.89)	●
Bromley	4,035	2.73	3.26 (2.42 to 4.42)	0.99	1.43 (0.87 to 2.37)	3.72	4.69 (3.78 to 6.24)	●
Buckinghamshire	5,812	2.24	3.00 (2.19 to 4.11)	0.86	1.33 (0.85 to 2.15)	3.10	4.33 (3.45 to 5.77)	●
Bury	2,236	4.03	3.64 (2.59 to 5.06)	2.25	1.81 (1.15 to 3.07)	6.26	5.44 (4.17 to 7.34)	●
Calderdale	2,322	3.88	3.61 (2.57 to 5.10)	2.16	1.79 (1.09 to 2.99)	6.03	5.39 (4.08 to 7.41)	●
Cambridgeshire	6,844	2.19	2.93 (2.16 to 3.96)	1.32	1.51 (1.00 to 2.45)	3.51	4.44 (3.53 to 5.74)	●
Camden	2,574	2.33	3.23 (2.33 to 4.60)	1.56	1.63 (1.04 to 2.72)	3.89	4.85 (3.80 to 6.51)	●
Central Bedfordshire	3,301	*	3.20 (2.31 to 4.34)	*	1.35 (0.79 to 2.28)	3.03	4.55 (3.58 to 6.05)	●
Cheshire East	3,647	2.47	3.19 (2.32 to 4.43)	1.92	1.76 (1.11 to 2.89)	4.39	4.95 (3.90 to 6.47)	●
Cheshire West and Chester	3,301	2.73	3.29 (2.40 to 4.58)	1.22	1.53 (0.94 to 2.49)	3.94	4.81 (3.66 to 6.40)	●
Cornwall	5,002	4.60	3.98 (2.95 to 5.42)	1.00	1.41 (0.91 to 2.28)	5.60	5.39 (4.27 to 7.04)	●



Local Authority	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>†</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
County Durham	4,889	4.50	3.93 (2.92 to 5.48)	2.26	1.94 (1.27 to 2.99)	6.75	5.86 (4.69 to 7.73)	●
Coventry	4,333	*	3.59 (2.67 to 4.77)	*	1.17 (0.70 to 2.01)	3.92	4.77 (3.68 to 6.26)	●
Croydon	5,329	2.44	3.10 (2.35 to 4.21)	1.69	1.69 (1.12 to 2.61)	4.13	4.78 (3.77 to 6.26)	●
Cumbria	4,367	3.21	3.42 (2.55 to 4.70)	2.07	1.84 (1.16 to 2.96)	5.27	5.24 (4.14 to 6.93)	●
Darlington	1,112	*	3.64 (2.53 to 5.29)	*	1.67 (0.97 to 2.78)	6.29	5.30 (3.93 to 7.20)	●
Derby	3,206	3.43	3.50 (2.57 to 4.89)	2.82	2.07 (1.30 to 3.42)	6.24	5.55 (4.28 to 7.47)	●
Derbyshire	7,397	1.89	2.77 (2.03 to 3.79)	1.22	1.46 (0.97 to 2.26)	3.11	4.23 (3.35 to 5.45)	●
Devon	6,730	2.38	3.02 (2.27 to 4.10)	2.09	1.91 (1.25 to 2.93)	4.46	4.91 (3.86 to 6.33)	●
Doncaster	3,406	4.99	4.01 (2.84 to 5.50)	2.07	1.81 (1.16 to 2.89)	7.05	5.81 (4.45 to 7.72)	●
Dorset	2,834	3.18	3.43 (2.49 to 4.76)	1.06	1.49 (0.92 to 2.45)	4.23	4.92 (3.74 to 6.61)	●
Dudley	3,541	2.82	3.31 (2.40 to 4.67)	3.12	2.22 (1.37 to 3.78)	5.93	5.51 (4.23 to 7.47)	●
Ealing	4,760	4.83	4.07 (3.03 to 5.62)	1.06	1.44 (0.90 to 2.30)	5.88	5.50 (4.32 to 7.28)	●
East Riding of Yorkshire	2,734	*	3.18 (2.24 to 4.42)	*	1.32 (0.74 to 2.23)	2.56	4.50 (3.42 to 6.09)	●
East Sussex	4,933	2.23	3.04 (2.22 to 4.17)	1.02	1.42 (0.89 to 2.17)	3.24	4.45 (3.49 to 5.89)	●
Enfield	4,642	4.31	3.84 (2.86 to 5.24)	0.87	1.37 (0.84 to 2.15)	5.17	5.21 (4.08 to 6.85)	●
Essex	16,133	3.04	3.22 (2.53 to 4.08)	1.31	1.45 (1.03 to 2.13)	4.34	4.67 (3.89 to 5.67)	●
Gateshead	2,026	*	3.83 (2.79 to 5.46)	*	1.31 (0.80 to 2.33)	4.94	5.15 (3.92 to 7.12)	●
Gloucestershire	6,471	3.40	3.48 (2.66 to 4.65)	1.71	1.71 (1.13 to 2.74)	5.10	5.18 (4.14 to 6.71)	●
Greenwich	4,238	2.83	3.29 (2.49 to 4.41)	1.42	1.58 (1.01 to 2.49)	4.25	4.86 (3.91 to 6.26)	●
Hackney	4,539	*	3.79 (2.80 to 5.31)	*	1.16 (0.68 to 1.90)	4.41	4.95 (3.85 to 6.60)	●
Halton	1,426	*	3.98 (2.86 to 5.83)	*	1.50 (0.89 to 2.45)	7.01	5.48 (4.10 to 7.59)	●
Hammersmith and Fulham	2,415	3.31	3.47 (2.48 to 4.93)	1.25	1.56 (0.96 to 2.63)	4.55	5.02 (3.85 to 6.81)	●
Hampshire	13,397	2.84	3.12 (2.50 to 4.05)	1.20	1.40 (0.96 to 2.05)	4.03	4.51 (3.74 to 5.70)	●
Haringey	3,847	7.28	4.96 (3.44 to 6.91)	2.09	1.83 (1.17 to 2.95)	9.36	6.79 (5.11 to 9.04)	●
Harrow	3,625	*	3.55 (2.60 to 4.73)	*	1.31 (0.75 to 2.21)	4.14	4.86 (3.75 to 6.40)	●
Hartlepool	1,036	*	3.55 (2.49 to 5.06)	*	1.44 (0.83 to 2.54)	3.86	5.00 (3.71 to 6.87)	●
Havering	3,284	2.74	3.29 (2.39 to 4.42)	1.22	1.53 (0.95 to 2.53)	3.96	4.82 (3.76 to 6.28)	●
Herefordshire, County of	1,681	*	3.11 (2.17 to 4.41)	*	1.80 (1.07 to 3.16)	3.57	4.90 (3.67 to 6.72)	●
Hertfordshire	13,924	3.66	3.64 (2.92 to 4.61)	1.44	1.55 (1.10 to 2.25)	5.10	5.19 (4.34 to 6.42)	●
Hillingdon	4,034	5.45	4.25 (3.13 to 5.92)	1.74	1.70 (1.06 to 2.72)	7.19	5.95 (4.59 to 7.99)	●

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		Stillbirth <sup>†</sup>		Neonatal <sup>†</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
Hounslow	3,979	*	3.36 (2.41 to 4.60)	*	1.28 (0.75 to 2.09)	3.52	4.64 (3.63 to 6.11)	●
Isle of Wight	1,078	*	3.20 (2.25 to 4.54)	*	1.55 (0.91 to 2.65)	*	4.75 (3.55 to 6.53)	●
Islington	2,860	2.80	3.33 (2.39 to 4.66)	2.10	1.80 (1.13 to 2.93)	4.90	5.12 (3.94 to 6.83)	●
Kensington and Chelsea	1,717	*	3.41 (2.50 to 4.79)	*	1.35 (0.75 to 2.32)	2.91	4.76 (3.69 to 6.41)	●
Kent	17,006	2.70	3.00 (2.38 to 3.75)	1.12	1.32 (0.91 to 1.92)	3.82	4.32 (3.57 to 5.26)	●
Kingston upon Hull, City of	3,310	3.93	3.65 (2.67 to 4.98)	2.12	1.82 (1.16 to 2.97)	6.04	5.47 (4.30 to 7.09)	●
Kingston upon Thames	2,019	3.47	3.51 (2.47 to 4.91)	1.99	1.73 (1.06 to 2.93)	5.45	5.23 (3.91 to 6.98)	●
Kirklees	4,975	5.43	4.34 (3.18 to 5.96)	3.44	2.53 (1.56 to 3.87)	8.84	6.85 (5.28 to 8.92)	●
Knowsley	2,013	3.48	3.51 (2.56 to 5.12)	2.49	1.85 (1.15 to 3.32)	5.96	5.35 (4.19 to 7.53)	●
Lambeth	4,053	3.70	3.59 (2.70 to 4.89)	1.24	1.52 (0.96 to 2.42)	4.93	5.11 (4.04 to 6.77)	●
Lancashire	12,251	3.67	3.64 (2.84 to 4.60)	2.29	2.14 (1.51 to 3.05)	5.96	5.76 (4.69 to 7.08)	●
Leeds	9,971	3.11	3.31 (2.57 to 4.37)	2.21	2.04 (1.41 to 3.00)	5.32	5.34 (4.35 to 6.76)	●
Leicester	4,646	3.87	3.67 (2.72 to 4.97)	2.38	1.98 (1.25 to 3.11)	6.24	5.64 (4.38 to 7.38)	●
Leicestershire	6,861	1.89	2.80 (2.05 to 3.77)	1.61	1.66 (1.13 to 2.56)	3.50	4.45 (3.49 to 5.69)	●
Lewisham	4,500	3.56	3.54 (2.59 to 4.86)	0.89	1.38 (0.87 to 2.23)	4.44	4.93 (3.80 to 6.50)	●
Lincolnshire	7,043	4.12	3.84 (2.91 to 5.05)	0.86	1.30 (0.83 to 2.07)	4.97	5.14 (4.14 to 6.60)	●
Liverpool	5,909	3.72	3.63 (2.75 to 4.87)	1.53	1.62 (1.07 to 2.60)	5.25	5.24 (4.22 to 6.73)	●
Luton	3,276	7.63	4.93 (3.40 to 7.10)	3.08	2.17 (1.32 to 3.60)	10.68	7.10 (5.28 to 9.73)	●
Manchester	7,332	3.96	3.76 (2.83 to 4.97)	1.1	1.40 (0.90 to 2.20)	5.05	5.16 (4.15 to 6.61)	●
Medway	3,464	*	3.51 (2.57 to 4.82)	*	1.33 (0.80 to 2.16)	4.04	4.84 (3.75 to 6.37)	●
Merton	2,998	3.34	3.47 (2.53 to 4.76)	1.34	1.57 (0.97 to 2.57)	4.67	5.04 (3.90 to 6.61)	●
Middlesbrough	1,886	*	3.78 (2.63 to 5.53)	*	1.53 (0.86 to 2.61)	5.83	5.31 (3.92 to 7.32)	●
Milton Keynes	3,460	2.60	3.24 (2.33 to 4.45)	1.45	1.60 (0.97 to 2.72)	4.05	4.83 (3.68 to 6.23)	●
Newcastle upon Tyne	3,223	4.03	3.68 (2.63 to 5.07)	1.56	1.63 (1.00 to 2.66)	5.58	5.31 (4.10 to 6.95)	●
Newham	5,739	4.01	3.75 (2.81 to 4.95)	1.92	1.81 (1.19 to 2.97)	5.92	5.55 (4.39 to 7.13)	●
Norfolk	8,472	3.66	3.62 (2.77 to 4.72)	1.30	1.49 (0.99 to 2.30)	4.96	5.11 (4.08 to 6.49)	●
North East Lincolnshire	1,717	5.82	3.97 (2.76 to 5.45)	2.34	1.79 (1.10 to 3.09)	8.15	5.76 (4.33 to 7.67)	●
North Lincolnshire	1,678	*	3.21 (2.31 to 4.53)	*	1.35 (0.75 to 2.38)	1.79	4.57 (3.43 to 6.15)	●
North Somerset	2,086	*	4.27 (3.07 to 6.31)	*	1.50 (0.87 to 2.56)	7.67	5.77 (4.34 to 8.12)	●
North Tyneside	2,203	1.82	3.15 (2.20 to 4.34)	2.27	1.81 (1.07 to 3.06)	4.09	4.95 (3.71 to 6.59)	●

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		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
North Yorkshire	5,317	1.69	2.82 (2.05 to 4.03)	1.32	1.53 (1.01 to 2.41)	3.01	4.34 (3.41 to 5.83)	●
Northamptonshire	8,671	3.46	3.51 (2.69 to 4.71)	0.81	1.24 (0.79 to 1.94)	4.27	4.75 (3.84 to 6.07)	●
Northumberland	2,644	4.16	3.69 (2.71 to 5.13)	1.52	1.62 (0.99 to 2.58)	5.67	5.31 (4.10 to 6.95)	●
Nottingham	3,873	2.84	3.30 (2.41 to 4.51)	2.07	1.83 (1.14 to 3.05)	4.91	5.11 (3.93 to 6.80)	●
Nottinghamshire	8,067	1.98	2.78 (2.01 to 3.81)	2.11	1.95 (1.28 to 2.85)	4.09	4.71 (3.68 to 6.03)	●
Oldham	3,184	4.40	3.79 (2.75 to 5.07)	0.95	1.45 (0.85 to 2.35)	5.34	5.24 (4.08 to 6.84)	●
Oxfordshire	7,415	4.05	3.81 (2.88 to 4.98)	0.54	1.15 (0.72 to 1.86)	4.59	4.96 (3.93 to 6.35)	●
Peterborough	2,868	3.49	3.51 (2.55 to 4.91)	2.45	1.91 (1.19 to 3.18)	5.93	5.41 (4.23 to 7.20)	●
Plymouth	2,757	*	3.65 (2.67 to 5.13)	*	1.32 (0.80 to 2.41)	4.35	4.97 (3.92 to 6.88)	●
Portsmouth	2,384	1.68	3.10 (2.21 to 4.48)	1.68	1.67 (0.99 to 2.77)	3.36	4.75 (3.65 to 6.40)	●
Reading	2,181	2.75	3.35 (2.41 to 4.76)	2.76	1.94 (1.22 to 3.13)	5.50	5.28 (4.12 to 7.13)	●
Redbridge	4,520	3.76	3.62 (2.66 to 4.94)	2.22	1.91 (1.25 to 3.04)	5.97	5.52 (4.30 to 7.25)	●
Redcar and Cleveland	1,367	*	3.54 (2.49 to 5.12)	*	1.62 (0.96 to 2.78)	5.12	5.15 (3.86 to 6.95)	●
Richmond upon Thames	2,313	2.16	3.21 (2.31 to 4.45)	1.73	1.68 (1.00 to 2.76)	3.89	4.88 (3.79 to 6.53)	●
Rochdale	2,819	*	3.34 (2.38 to 4.57)	*	1.40 (0.83 to 2.34)	3.55	4.74 (3.71 to 6.23)	●
Rotherham	2,934	3.41	3.49 (2.56 to 5.06)	3.42	2.25 (1.44 to 3.78)	6.82	5.73 (4.47 to 7.73)	●
Rutland	326	*	3.49 (2.44 to 4.99)	*	1.70 (0.97 to 3.25)	*	5.19 (3.86 to 7.38)	●
Salford	3,558	3.93	3.66 (2.68 to 5.03)	1.13	1.49 (0.95 to 2.41)	5.06	5.15 (3.98 to 6.88)	●
Sandwell	4,501	5.55	4.35 (3.25 to 5.92)	3.35	2.44 (1.52 to 4.00)	8.89	6.76 (5.33 to 8.83)	●
Sefton	2,593	2.70	3.32 (2.39 to 4.60)	2.32	1.85 (1.14 to 3.18)	5.01	5.15 (4.04 to 6.75)	●
Sheffield	6,126	4.73	4.11 (3.06 to 5.43)	1.64	1.67 (1.10 to 2.58)	6.37	5.78 (4.53 to 7.39)	●
Shropshire	2,720	3.68	3.56 (2.56 to 4.91)	1.48	1.61 (0.98 to 2.64)	5.15	5.17 (3.94 to 6.94)	●
Slough	2,451	4.90	3.87 (2.83 to 5.46)	1.64	1.66 (1.01 to 2.70)	6.53	5.53 (4.28 to 7.54)	●
Solihull	2,183	2.29	3.25 (2.30 to 4.52)	2.30	1.82 (1.09 to 3.09)	4.58	5.06 (3.78 to 6.94)	●
Somerset	5,227	3.63	3.58 (2.67 to 4.80)	2.30	1.97 (1.30 to 3.08)	5.93	5.54 (4.39 to 7.18)	●
South Gloucestershire	3,165	*	3.15 (2.24 to 4.36)	*	1.36 (0.80 to 2.21)	2.84	4.51 (3.43 to 5.94)	●
South Tyneside	1,535	7.17	4.18 (2.97 to 6.11)	2.62	1.84 (1.10 to 3.28)	9.77	6.01 (4.58 to 8.56)	●
Southampton	3,046	*	4.26 (3.08 to 5.99)	*	1.38 (0.84 to 2.34)	6.57	5.65 (4.32 to 7.59)	●
Southend-on-Sea	2,076	4.82	3.81 (2.76 to 5.31)	2.42	1.84 (1.14 to 3.19)	7.23	5.64 (4.36 to 7.68)	●
Southwark	4,324	7.17	5.03 (3.66 to 7.10)	1.40	1.57 (1.01 to 2.60)	8.56	6.61 (5.18 to 9.00)	●

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		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
St. Helens	1,944	4.12	3.64 (2.62 to 5.21)	1.55	1.63 (1.00 to 2.78)	5.66	5.27 (4.04 to 7.19)	●
Staffordshire	8,336	3.72	3.65 (2.79 to 4.92)	1.93	1.84 (1.28 to 2.69)	5.64	5.48 (4.40 to 6.91)	●
Stockport	3,320	3.61	3.55 (2.65 to 4.84)	0.91	1.43 (0.89 to 2.39)	4.52	4.99 (3.89 to 6.66)	●
Stockton-on-Tees	2,101	*	2.90 (1.96 to 4.12)	*	1.72 (1.03 to 2.89)	2.38	4.61 (3.47 to 6.35)	●
Stoke-on-Trent	3,315	4.83	3.94 (2.93 to 5.34)	4.24	2.66 (1.63 to 4.44)	9.05	6.58 (5.10 to 8.73)	●
Suffolk	7,413	3.24	3.40 (2.58 to 4.50)	1.62	1.67 (1.09 to 2.58)	4.86	5.06 (4.10 to 6.47)	●
Sunderland	2,769	3.25	3.45 (2.51 to 4.73)	2.90	2.05 (1.28 to 3.45)	6.14	5.48 (4.26 to 7.39)	●
Surrey	12,758	3.06	3.26 (2.58 to 4.21)	1.34	1.49 (1.04 to 2.15)	4.39	4.74 (3.93 to 5.86)	●
Sutton	2,478	4.44	3.76 (2.71 to 5.22)	3.24	2.12 (1.28 to 3.60)	7.67	5.86 (4.41 to 7.84)	●
Swindon	2,598	*	3.22 (2.30 to 4.62)	*	1.43 (0.83 to 2.50)	3.08	4.65 (3.52 to 6.41)	●
Tameside	2,785	*	3.54 (2.58 to 4.93)	*	1.41 (0.82 to 2.21)	4.31	4.95 (3.81 to 6.61)	●
Telford and Wrekin	2,064	4.84	3.81 (2.71 to 5.47)	2.92	1.97 (1.20 to 3.34)	7.75	5.77 (4.44 to 7.88)	●
Thurrock	2,393	3.76	3.58 (2.53 to 5.08)	2.52	1.89 (1.19 to 3.19)	6.27	5.46 (4.22 to 7.44)	●
Torbay	1,223	*	3.59 (2.54 to 5.15)	*	1.65 (0.95 to 2.87)	5.72	5.24 (3.93 to 7.15)	●
Tower Hamlets	4,508	3.77	3.63 (2.73 to 4.97)	1.78	1.72 (1.11 to 2.79)	5.55	5.34 (4.17 to 7.04)	●
Trafford	2,655	*	3.49 (2.59 to 4.83)	*	1.42 (0.84 to 2.34)	4.14	4.91 (3.82 to 6.54)	●
Wakefield	3,979	3.52	3.53 (2.65 to 4.85)	2.52	2.01 (1.28 to 3.29)	6.03	5.52 (4.36 to 7.19)	●
Walsall	3,691	3.52	3.53 (2.61 to 4.85)	4.62	2.93 (1.77 to 5.01)	8.13	6.42 (4.90 to 8.77)	●
Waltham Forest	4,452	2.92	3.31 (2.46 to 4.53)	2.93	2.23 (1.46 to 3.75)	5.84	5.52 (4.38 to 7.38)	●
Wandsworth	4,774	2.51	3.15 (2.28 to 4.38)	1.05	1.43 (0.90 to 2.25)	3.56	4.58 (3.58 to 6.06)	●
Warrington	2,186	*	3.35 (2.37 to 4.72)	*	1.49 (0.89 to 2.50)	3.66	4.83 (3.68 to 6.56)	●
Warwickshire	5,949	2.19	2.97 (2.17 to 4.06)	1.85	1.77 (1.16 to 2.70)	4.03	4.73 (3.77 to 6.07)	●
West Berkshire	1,595	*	3.34 (2.43 to 4.68)	*	1.47 (0.84 to 2.48)	3.13	4.81 (3.63 to 6.38)	●
West Sussex	8,541	2.58	3.05 (2.30 to 3.99)	2.00	1.89 (1.29 to 2.87)	4.57	4.92 (3.98 to 6.33)	●
Westminster	2,609	2.68	3.31 (2.39 to 4.63)	1.15	1.53 (0.91 to 2.62)	3.83	4.83 (3.77 to 6.40)	●
Wigan	3,415	4.10	3.71 (2.69 to 5.02)	1.76	1.70 (1.08 to 2.80)	5.86	5.41 (4.17 to 7.20)	●
Wiltshire	4,817	3.32	3.45 (2.55 to 4.66)	2.71	2.15 (1.39 to 3.36)	6.02	5.58 (4.36 to 7.23)	●
Windsor and Maidenhead	1,590	*	3.56 (2.49 to 5.12)	*	1.58 (0.92 to 2.69)	5.03	5.14 (3.91 to 6.94)	●
Wirral	3,251	2.77	3.30 (2.41 to 4.70)	2.78	2.06 (1.28 to 3.46)	5.54	5.34 (4.08 to 7.08)	●
Wokingham	1,708	*	3.31 (2.34 to 4.68)	*	1.56 (0.90 to 2.68)	3.51	4.86 (3.70 to 6.54)	●

Local Authority	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>†</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
Wolverhampton	3,325	4.81	3.94 (2.83 to 5.57)	2.72	2.04 (1.28 to 3.32)	7.52	5.97 (4.64 to 8.03)	●
Worcestershire	5,686	3.52	3.53 (2.58 to 4.79)	1.59	1.65 (1.05 to 2.60)	5.10	5.17 (4.08 to 6.74)	●
York	1,824	3.29	3.47 (2.52 to 4.83)	1.65	1.65 (1.02 to 2.78)	4.93	5.12 (3.89 to 6.87)	●
<b>SCOTLAND</b>								
Aberdeen City	2,338	3.42	3.50 (2.52 to 4.80)	1.29	1.57 (0.94 to 2.54)	4.70	5.06 (3.91 to 6.69)	●
Aberdeenshire	2,705	*	3.57 (2.54 to 4.95)	*	1.33 (0.80 to 2.13)	4.07	4.90 (3.69 to 6.50)	●
Angus	956	*	3.36 (2.31 to 4.86)	*	1.84 (1.08 to 3.35)	5.23	5.18 (3.85 to 7.21)	●
Argyll and Bute	653	*	3.36 (2.34 to 4.95)	*	1.51 (0.95 to 2.60)	*	4.86 (3.67 to 6.76)	●
City of Edinburgh	4,905	4.69	4.01 (2.96 to 5.44)	1.84	1.75 (1.14 to 2.91)	6.52	5.76 (4.54 to 7.59)	●
Clackmannanshire	462	*	3.31 (2.26 to 4.81)	*	1.54 (0.85 to 2.72)	*	4.85 (3.57 to 6.72)	●
Dumfries and Galloway	1,208	*	3.60 (2.54 to 5.03)	*	1.53 (0.91 to 2.53)	4.97	5.13 (3.85 to 7.01)	●
Dundee City	1,457	5.49	3.85 (2.68 to 5.54)	5.52	2.44 (1.45 to 4.45)	10.98	6.27 (4.64 to 8.82)	●
East Ayrshire	1,163	*	3.50 (2.47 to 5.12)	*	1.43 (0.84 to 2.56)	3.44	4.93 (3.74 to 6.85)	●
East Dunbartonshire	939	*	3.48 (2.41 to 5.09)	*	1.58 (0.89 to 2.71)	4.26	5.05 (3.82 to 6.94)	●
East Lothian	1,019	2.94	3.45 (2.43 to 4.99)	2.95	1.82 (1.04 to 3.16)	5.89	5.25 (3.95 to 7.20)	●
East Renfrewshire	858	*	3.51 (2.41 to 5.14)	*	1.47 (0.81 to 2.60)	3.50	4.98 (3.64 to 6.76)	●
Falkirk	1,498	*	3.38 (2.39 to 4.82)	*	1.48 (0.84 to 2.58)	3.34	4.86 (3.68 to 6.69)	●
Fife	3,537	3.68	3.58 (2.69 to 4.92)	1.99	1.78 (1.13 to 2.82)	5.65	5.35 (4.20 to 6.96)	●
Glasgow City	6,623	3.47	3.51 (2.66 to 4.67)	1.52	1.61 (1.07 to 2.50)	4.98	5.12 (4.09 to 6.50)	●
Highland	1,998	*	3.31 (2.31 to 4.64)	*	1.51 (0.91 to 2.70)	3.50	4.82 (3.74 to 6.55)	●
Inverclyde	690	*	3.46 (2.38 to 5.02)	*	1.50 (0.85 to 2.72)	*	4.96 (3.70 to 6.77)	●
Midlothian	1,086	*	3.53 (2.38 to 5.10)	*	1.67 (0.99 to 3.02)	5.52	5.20 (3.99 to 7.10)	●
Moray	810	*	3.30 (2.29 to 4.69)	*	1.48 (0.84 to 2.68)	*	4.77 (3.62 to 6.59)	●
Na h-Eileanan Siar	199	*	3.42 (2.33 to 4.96)	*	1.59 (0.90 to 2.88)	*	5.01 (3.63 to 6.96)	●
North Ayrshire	1,133	*	3.18 (2.18 to 4.58)	*	1.54 (0.87 to 2.80)	*	4.72 (3.51 to 6.69)	●
North Lanarkshire	3,393	1.77	3.01 (2.18 to 4.19)	0.89	1.42 (0.90 to 2.43)	2.65	4.43 (3.45 to 5.88)	●
Orkney Islands	175	*	3.43 (2.38 to 5.05)	*	1.60 (0.89 to 2.92)	*	5.02 (3.76 to 7.14)	●
Perth and Kinross	1,226	*	3.71 (2.57 to 5.27)	*	1.53 (0.89 to 2.64)	5.71	5.24 (3.97 to 7.08)	●
Renfrewshire	1,693	*	3.11 (2.13 to 4.46)	*	1.80 (1.07 to 3.09)	3.54	4.89 (3.63 to 6.73)	●
Scottish Borders	921	*	3.60 (2.51 to 5.13)	*	1.71 (1.01 to 2.88)	6.51	5.30 (4.01 to 7.19)	●

Local Authority	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>†</sup>		Extended perinatal <sup>†</sup>		
		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
Shetland Islands	219	*	3.54 (2.48 to 5.21)	*	1.59 (0.90 to 2.90)	*	5.12 (3.73 to 7.26)	●
South Ayrshire	922	*	3.48 (2.42 to 5.09)	*	1.58 (0.89 to 2.90)	4.34	5.06 (3.80 to 7.11)	●
South Lanarkshire	3,131	4.47	3.81 (2.79 to 5.33)	1.92	1.75 (1.09 to 2.95)	6.39	5.56 (4.32 to 7.57)	●
Stirling	755	*	3.20 (2.29 to 4.55)	*	1.61 (0.94 to 2.71)	*	4.81 (3.62 to 6.47)	●
West Dunbartonshire	892	*	3.50 (2.39 to 5.13)	*	1.47 (0.80 to 2.72)	3.36	4.96 (3.72 to 6.91)	●
West Lothian	1,768	*	3.29 (2.33 to 4.75)	*	1.34 (0.74 to 2.38)	2.26	4.63 (3.45 to 6.37)	●
<b>WALES</b>								
Blaenau Gwent	718	*	3.69 (2.62 to 5.35)	*	1.50 (0.85 to 2.71)	5.57	5.19 (3.89 to 7.18)	●
Bridgend	1,477	2.71	3.39 (2.42 to 4.69)	2.04	1.72 (1.05 to 2.79)	4.74	5.10 (3.88 to 6.95)	●
Caerphilly	1,883	3.72	3.56 (2.56 to 5.14)	2.67	1.88 (1.09 to 3.25)	6.37	5.43 (4.14 to 7.30)	●
Cardiff	4,073	1.72	2.93 (2.12 to 4.07)	1.72	1.70 (1.07 to 2.79)	3.44	4.61 (3.61 to 6.15)	●
Carmarthenshire	1,796	3.90	3.59 (2.52 to 5.05)	1.68	1.66 (0.99 to 2.84)	5.57	5.24 (3.98 to 7.14)	●
Ceredigion	541	*	3.78 (2.69 to 5.45)	*	1.53 (0.86 to 2.70)	7.39	5.30 (4.08 to 7.57)	●
Conwy	1,013	*	3.12 (2.08 to 4.48)	*	2.45 (1.45 to 4.82)	6.91	5.53 (4.10 to 8.01)	●
Denbighshire	906	*	3.49 (2.40 to 5.09)	*	1.58 (0.92 to 2.80)	4.42	5.07 (3.76 to 7.07)	●
Flintshire	1,564	*	3.25 (2.29 to 4.59)	*	1.47 (0.88 to 2.64)	2.56	4.72 (3.58 to 6.48)	●
Gwynedd	1,162	6.02	3.86 (2.68 to 5.50)	2.6	1.79 (1.07 to 3.13)	8.61	5.64 (4.21 to 7.70)	●
Isle of Anglesey	679	*	3.71 (2.55 to 5.35)	*	1.63 (0.92 to 2.89)	7.36	5.34 (3.90 to 7.47)	●
Merthyr Tydfil	688	*	3.84 (2.71 to 5.71)	*	1.50 (0.83 to 2.69)	7.27	5.34 (3.98 to 7.46)	●
Monmouthshire	731	*	3.56 (2.53 to 5.21)	*	1.49 (0.85 to 2.64)	4.10	5.06 (3.86 to 6.97)	●
Neath Port Talbot	1,444	*	3.40 (2.42 to 4.84)	*	1.49 (0.82 to 2.55)	3.46	4.89 (3.72 to 6.79)	●
Newport	1,907	6.29	4.12 (2.93 to 5.85)	3.69	2.14 (1.33 to 3.67)	9.96	6.25 (4.74 to 8.53)	●
Pembrokeshire	1,049	*	3.67 (2.65 to 5.41)	*	1.68 (1.01 to 2.87)	6.67	5.34 (4.06 to 7.29)	●
Powys	1,116	*	3.41 (2.38 to 5.00)	*	1.67 (1.00 to 2.99)	4.48	5.07 (3.87 to 7.03)	●
Rhondda Cynon Taf	2,534	4.74	3.84 (2.80 to 5.43)	1.98	1.75 (1.11 to 2.89)	6.71	5.58 (4.34 to 7.59)	●
Swansea	2,371	4.64	3.80 (2.78 to 5.32)	2.54	1.90 (1.14 to 3.18)	7.17	5.69 (4.26 to 7.69)	●
Torfaen	973	*	3.58 (2.48 to 5.11)	*	1.57 (0.89 to 2.76)	5.14	5.15 (3.81 to 7.09)	●
Vale of Glamorgan	1,333	*	3.33 (2.30 to 4.80)	*	1.63 (0.94 to 2.70)	3.75	4.95 (3.67 to 6.91)	●
Wrexham	1,441	4.86	3.74 (2.65 to 5.17)	2.79	1.86 (1.08 to 3.24)	7.63	5.58 (4.20 to 7.50)	●

Local Authority	Total births <sup>§</sup>	Rate per 1,000 births <sup>§</sup>						
		Stillbirth <sup>†</sup>		Neonatal <sup>‡</sup>		Extended perinatal <sup>‡</sup>		
		Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI)	Crude	Stabilised (95% CI) <sup>#</sup>	
<b>NORTHERN IRELAND<sup>°</sup></b>								
Antrim and Newtownabbey	1,623	*	3.23 (2.26 to 4.65)	*	1.46 (0.84 to 2.56)	2.46	4.69 (3.60 to 6.32)	●
Ards and North Down	1,513	2.64	3.37 (2.39 to 4.73)	2.65	1.84 (1.13 to 3.29)	5.29	5.20 (3.92 to 7.07)	●
Armagh City, Banbridge and Craigavon	2,850	2.46	3.24 (2.35 to 4.47)	2.11	1.80 (1.09 to 2.97)	4.56	5.03 (3.89 to 6.68)	●
Belfast	4,250	1.65	2.89 (2.07 to 3.98)	2.36	1.96 (1.23 to 3.15)	4.00	4.83 (3.68 to 6.45)	●
Causeway Coast and Glens	1,511	4.63	3.71 (2.69 to 5.25)	2.66	1.84 (1.08 to 3.27)	7.28	5.54 (4.20 to 7.60)	●
Derry City and Strabane	1,875	*	4.13 (3.00 to 6.02)	*	1.53 (0.85 to 2.49)	7.47	5.67 (4.26 to 7.72)	●
Fermanagh and Omagh	1,497	*	3.60 (2.48 to 5.17)	*	1.48 (0.81 to 2.73)	4.68	5.08 (3.84 to 6.95)	●
Lisburn and Castlereagh	1,821	*	3.69 (2.67 to 5.16)	*	1.54 (0.94 to 2.54)	5.49	5.23 (4.02 to 6.92)	●
Mid Ulster	2,065	5.33	3.93 (2.82 to 5.47)	2.43	1.84 (1.12 to 3.01)	7.75	5.76 (4.39 to 7.74)	●
Mid and East Antrim	1,482	2.02	3.28 (2.29 to 4.52)	4.06	2.12 (1.24 to 3.78)	6.07	5.38 (4.01 to 7.34)	●
Newry, Mourne and Down	2,375	4.21	3.69 (2.74 to 5.08)	2.11	1.78 (1.08 to 2.95)	6.32	5.46 (4.21 to 7.29)	●
<b>GUERNSEY</b>	506	*	3.41 (2.39 to 4.96)	*	1.53 (0.89 to 2.70)	*	4.94 (3.75 to 6.95)	●
<b>ISLE OF MAN</b>	726	*	3.21 (2.18 to 4.59)	*	1.49 (0.85 to 2.55)	*	4.70 (3.41 to 6.48)	●
<b>JERSEY</b>	944	*	3.47 (2.40 to 4.99)	*	1.46 (0.83 to 2.54)	3.18	4.93 (3.70 to 6.82)	●

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

† per 1,000 total births

‡ per 1,000 live births

# colours represent variation from comparator group average extended perinatal mortality rate

\* entry suppressed because of small number of deaths

° different laws exist in Northern Ireland for the termination of pregnancy

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

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## 4.1 Population characteristics by Local Authority

The shading in Table 28, 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: 26.4% 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 28: Proportion of mothers giving birth in population characteristic groups by Local Authority, for births in 2018**

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	26.4	19.5	2.8	4.5	10.6	3.5	1.4
Barnet	11.7	7.5	0.9	6.2	5.3	3.0	1.0
Barnsley	0.4	0.6	5.0	2.4	29.8	2.6	1.1
Bath and North East Somerset	1.4	0.4	1.7	4.2	2.1	1.5	0.7
Bedford	12.5	4.4	2.5	3.6	6.0	4.0	1.0
Bexley	9.5	12.7	2.1	4.2	10.8	3.1	1.1
Birmingham	34	11.3	3.1	3.9	52	2.5	1.6
Blackburn with Darwen	41.4	1.1	3.4	2.8	23.2	2.1	1.5
Blackpool	1.4	0.7	6.3	1.8	41.7	2.6	1.7
Bolton	23.5	5.4	3.9	3.3	27.4	2.6	1.4
Bournemouth, Christchurch and Poole	2.6	0.8	2.5	4.1	9.9	2.3	0.7
Bracknell Forest	7.0	2.6	0.9	4.9	0.0	4.2	0.9
Bradford	39.8	1.8	4.0	2.9	37.4	2.2	1.4
Brent	27.6	13.6	1.9	6.2	10.6	3.2	1.6
Brighton and Hove	3.9	1.9	2	7.3	14.2	2.8	0.8
Bristol, City of	5.8	7.2	2.3	5.6	26	3.1	1.2
Bromley	5.9	7.6	1.4	6.2	13.3	3.2	0.9
Buckinghamshire	15.8	2.6	1.4	5.1	0.3	3.0	0.8
Bury	13.1	2.5	3.0	3.6	11.0	3.0	1.7
Calderdale	14.0	0.6	2.8	3.1	24.3	2.2	1.0



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>
Cambridgeshire	3.9	1.6	2.4	4.5	2.7	3.0	1.0
Camden	14.2	8.6	0.8	8.9	50.9	4.5	1.0
Central Bedfordshire	3.2	2.4	2.1	4.4	4.7	2.8	0.9
Cheshire East	2.2	0.5	2.6	3.9	3.3	2.7	1.0
Cheshire West and Chester	1.7	0.2	2.6	3.8	10.2	2.3	1.0
Cornwall	0.4	0.1	3.4	3.6	13.5	3.1	1.0
County Durham	0.8	0.4	5.1	2.6	33.4	2.9	1.7
Coventry	15.5	9.7	3.7	3.6	33.5	2.9	1.5
Croydon	15.5	19.9	2.4	5.7	5.0	3.3	1.3
Cumbria	0.5	0.2	3.5	3.2	7.6	2.7	1.3
Darlington	3.0	1.2	4.7	2.8	36	3.1	0.9
Derby	17.2	3.4	4.6	3.3	32.4	2.8	1.4
Derbyshire	1.3	0.4	3.4	3.1	14.8	2.4	1.2
Devon	1.0	0.3	2.2	4.3	4.2	2.6	0.8
Doncaster	3.0	1.2	4.2	2.4	37.3	2.2	1.6
Dorset	1.6	0.3	3	3.4	4.7	3.5	1.1
Dudley	11	2.7	3.4	3.1	32.6	3.0	1.2
Ealing	29.6	11.5	1.3	6.9	8.1	2.9	1.1
East Riding of Yorkshire	0.8	0.3	3.0	3.3	8.9	2.7	0.8
East Sussex	2.0	0.8	2.8	4.4	17.7	3.4	1.1
Enfield	8.5	17.6	2.8	6.1	28.9	3.3	1.5
Essex	3.0	2.2	2.4	3.6	9.9	3.3	1.0
Gateshead	3.4	1.6	3.5	2.9	29.8	2.9	1.3
Gloucestershire	2.7	1.3	2.5	4.1	8.5	2.8	1.2
Greenwich	10.3	20.2	1.9	6.0	23.9	3.4	1.3
Hackney	7.7	17.8	1.6	7.6	39.0	3.2	1.1
Halton	0.9	0.5	5.4	2.5	25.5	3.7	1.6
Hammersmith and Fulham	6.3	12.1	1.2	8.9	18.1	3.0	1.0
Hampshire	3.6	1.3	2.1	4.2	3.8	3.1	1.1
Haringey	6.1	15.2	2.2	6.6	31.5	3.1	1.6
Harrow	36.6	5.9	1.8	5.0	0.0	3.3	1.2
Hartlepool	1.5	0.2	6.2	1.8	61.5	3.7	1.9

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>
Havering	12.1	7.9	1.5	4	12.3	3.8	1.4
Herefordshire, County of	1.2	0.2	2.7	2.5	3.3	4.4	1.5
Hertfordshire	8.0	3.3	1.4	5.4	3.2	3.4	1.1
Hillingdon	35.6	7.9	1.5	5.1	6.0	3.5	1.2
Hounslow	33.8	7.9	1.7	5.5	1.7	3.1	1.5
Isle of Wight	1.0	0.1	5.1	4.1	18.6	2.4	0.7
Isles of Scilly	0.0	0.0	0.0	10.5	0.0	10.5	0.0
Islington	6.5	13.4	1.2	6.6	56.3	4.1	1.2
Kensington and Chelsea	5.4	8.3	0.5	12.3	19.5	4.3	2.0
Kent	3.6	2.5	2.9	3.7	17	3.0	1.3
Kingston upon Hull, City of	2.6	1.5	5.5	2.0	53.4	3.0	1.4
Kingston upon Thames	12.0	2.6	0.9	6.8	1.5	3.0	1.0
Kirklees	27.2	2.0	2.7	3.7	20.4	2.6	1.4
Knowsley	1.1	0.4	2.9	2.5	46.2	3.4	1.4
Lambeth	4.5	23.7	1.3	8.4	31.2	3.4	1.1
Lancashire	10.8	0.5	3.8	3.1	14.1	2.7	1.4
Leeds	10.5	7.3	3.7	3.9	36.2	2.9	1.5
Leicester	32.4	5.4	3.5	3.6	30.9	2.4	1.4
Leicestershire	8.0	1.0	2.2	4.0	3.4	3.1	1.2
Lewisham	6.1	22.5	1.4	7.5	24.5	3.6	1.6
Lincolnshire	1.3	0.4	3.9	2.8	15.8	2.8	1.3
Liverpool	3.7	2.9	3.0	3.7	52.2	3.2	1.4
Luton	42.5	7.7	2.6	3.3	16.1	3.0	2.1
Manchester	21.6	12.8	2.5	4.6	47.7	3.2	1.4
Medway	4.7	4.8	3.1	3.7	23.4	3.1	1.6
Merton	16.1	7.8	1.5	6.3	5.7	3.6	1.0
Middlesbrough	11.6	3.8	7.2	2.3	60.2	3.7	1.2
Milton Keynes	12.2	10.8	2.5	4.6	8.5	3.3	1.2
Newcastle upon Tyne	12.4	4.2	3.8	3.6	41.8	2.8	2.0
Newham	42.8	13.3	1.6	4.3	10.1	2.9	1.4
Norfolk	1.3	1.0	3.6	3.1	11.0	3.0	1.0
North East Lincolnshire	1.6	0.8	6.2	1.9	45.7	2.6	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>
North Lincolnshire	3.6	0.7	5.0	2.0	20.1	2.1	0.8
North Somerset	1.1	0.6	2.4	3.5	12.6	3.8	1.2
North Tyneside	2.2	0.7	3.1	3.2	17.7	2.7	1.0
North Yorkshire	1.0	0.4	2.5	4.0	4.2	2.8	1.3
Northamptonshire	4.3	4.6	3.1	3.2	8.4	2.8	1.2
Northumberland	0.6	0.1	4.7	3.0	26.1	3.3	0.9
Nottingham	15.1	9.1	3.8	3.7	58.7	3.1	1.7
Nottinghamshire	2.6	0.9	2.9	3.3	15.9	3.4	1.3
Oldham	31.8	3.0	4.3	2.8	31.4	2.2	1.4
Oxfordshire	7.1	2.1	1.7	5.2	3.3	3.1	1.1
Peterborough	16.6	4.4	3.6	3.4	15.1	3.3	1.0
Plymouth	1.5	1.3	3.5	2.7	26.4	3.2	1.2
Portsmouth	5.7	3.4	3.2	3.2	24.4	3.4	1.1
Reading	18.4	7.1	1.9	4.6	9.6	3.1	1.5
Redbridge	45.9	7.5	1.7	4.5	0.9	3.5	1.5
Redcar and Cleveland	0.9	0.1	5.7	1.9	49.7	3.5	1.2
Richmond upon Thames	7.0	1.7	0.8	10.8	1.0	3.9	1.0
Rochdale	23.7	3.5	3.3	2.6	31.6	2.6	1.4
Rotherham	7.4	1.4	4.3	2.4	34.8	3.3	1.3
Rutland	1.8	2.8	2.8	4.6	0.0	3.7	1.2
Salford	4.4	8.0	3.4	3.9	30.6	2.3	1.2
Sandwell	27.4	9.4	3.8	3.5	41.5	2.8	1.5
Sefton	1.0	0.4	2.6	3.5	22	3.3	1.3
Sheffield	11.8	6.1	3.4	3.6	44.4	2.9	1.3
Shropshire	0.8	0.2	2.8	3.2	6.5	3.5	1.1
Slough	48.7	6.1	2.0	4.3	0.0	3.6	1.2
Solihull	10.9	1.7	2.4	4.0	26.8	2.5	0.8
Somerset	1.0	0.4	2.7	3.4	5.9	3.1	1.2
South Gloucestershire	3.6	1.6	1.6	4.1	1.8	2.7	1.1
South Tyneside	3.3	0.3	3.3	2.8	53.7	2.5	1.4
Southampton	9.1	3.0	3.0	4.0	25	2.9	1.3
Southend-on-Sea	5.3	2.3	3.9	3.8	28.9	4.2	1.2

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>
Southwark	6.6	25.5	1.4	7.4	28.1	3.4	1.2
St. Helens	0.9	0.3	5.2	2.8	30.7	2.3	1.3
Staffordshire	4.1	0.6	3.1	2.8	7.2	3.4	1.5
Stockport	7.2	0.8	2.4	4.2	11.7	3.2	1.1
Stockton-on-Tees	5.3	1.6	4.8	3.5	43.6	3.1	1.7
Stoke-on-Trent	14.3	3.5	4.6	2.8	38.7	2.9	2.1
Suffolk	2.0	1.3	3.2	3.4	9.8	2.8	1.1
Sunderland	3.3	1.1	5.0	2.1	42.4	2.9	1.4
Surrey	7.6	1.6	1.6	6.2	2.0	3.3	1.1
Sutton	14.0	5.2	2.1	4.8	0.9	3.1	1.0
Swindon	11.0	3.2	2.4	3.6	13.6	3.3	0.9
Tameside	10.0	2.8	3.4	2.6	16.9	2.7	1.2
Telford and Wrekin	5.8	3.0	4.0	3.3	25.1	3.0	1.5
Thurrock	6.0	11.1	2.3	3.2	8.4	3.5	1.4
Torbay	0.5	0.2	4.6	3.6	23.4	3.5	1.3
Tower Hamlets	49.0	6.3	1.1	5.6	68.6	2.4	1.2
Trafford	12.4	2.7	1.1	5.1	11.7	3.5	0.7
Wakefield	5.0	1.6	4.2	2.1	18.9	2.6	0.9
Walsall	20.7	5.1	4.5	2.7	53.8	2.3	1.9
Waltham Forest	18.0	11.6	1.5	5.8	11.0	3.3	1.3
Wandsworth	8.7	7.5	0.8	8.1	13.3	4.0	1.0
Warrington	3.2	0.8	3.7	3.6	4.3	3.6	1.3
Warwickshire	5.4	1.3	2.7	3.6	5.6	3.0	1.3
West Berkshire	3.6	0.8	1.9	5.6	2.3	3.7	1.7
West Sussex	4.9	1.5	2.4	4.6	3.7	3.0	1.2
Westminster	9.4	7.5	0.6	9.5	38	4.5	0.9
Wigan	1.3	1.0	3.8	2.5	16.2	3.0	1.2
Wiltshire	2.0	1.7	2.1	3.6	2.9	3.6	1.3
Windsor and Maidenhead	15.3	2.1	1.3	6.7	0.0	3.4	1.4
Wirral	2.0	0.2	3.3	3.2	29.1	2.6	1.1
Wokingham	13.5	2.0	1.0	4.8	0.0	2.8	1.0
Wolverhampton	19.7	8.6	4.4	3.7	52.4	3.0	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>
Worcestershire	3.7	0.6	2.7	4.1	13.5	3.4	1.4
York	3.0	0.7	3.1	4.4	6.2	3.0	1.0
<b>SCOTLAND</b>							
Aberdeen City	5.3	4.3	2.4	4.4	8.9	4.3	1.0
Aberdeenshire	1.2	1.1	1.6	4.0	1.3	5.1	1.1
Angus	0.5	0.0	4.5	2.9	10.6	8.9	1.7
Argyll and Bute	0.2	0.0	3.2	3.4	10.4	7.8	0.9
City of Edinburgh	6.4	3.2	2.3	5.8	18.9	5.3	1.3
Clackmannanshire	0.2	0.2	3.9	2.6	34.6	4.3	2.2
Dumfries and Galloway	0.4	0.1	3.5	4.1	12.8	4.8	1.1
Dundee City	5.4	1.3	4.7	3.3	47.3	5.5	2.1
East Ayrshire	1.1	0.3	4.5	2.1	32.6	3.8	1.7
East Dunbartonshire	1.7	0.2	1.1	6.2	4.7	5.1	1.4
East Lothian	1.8	0.2	2.9	5.4	4.9	5.8	0.8
East Renfrewshire	4.3	0.3	0.9	7.0	4.4	4	1.0
Falkirk	1.8	0.4	2.6	3.9	14.9	3.1	1.1
Fife	2.1	0.4	4.5	3.3	23.8	4.9	1.1
Glasgow City	5.4	2.2	3.3	4.3	44.9	4.6	1.1
Highland	1.6	0.2	3.5	3.6	9.0	5.5	1.1
Inverclyde	0.1	0.1	4.3	2.3	35.7	5.9	0.9
Midlothian	2.5	0.6	1.8	3.9	13.8	4.7	1.3
Moray	1.1	0.4	2.3	2.8	4.3	5.2	0.6
Na h-Eileanan Siar	0.0	0.0	1.5	7.5	4.5	4.5	1.5
North Ayrshire	1.1	0.2	5.6	3.0	43.8	2.8	1.1
North Lanarkshire	1.4	0.3	4.5	3.1	23.8	4.0	1.0
Orkney Islands	0.0	0.0	0.0	2.9	0.0	5.1	2.9
Perth and Kinross	1.3	0.5	1.9	4.3	4.6	6.3	0.9
Renfrewshire	1.4	0.5	2.4	3.8	27.5	4.3	1.6
Scottish Borders	0.2	0.4	2.3	4.6	8.6	4.6	1.2
Shetland Islands	0.0	0.0	1.4	5.9	0.0	7.3	0.5
South Ayrshire	1.7	0.2	2.7	3.9	21.5	4.9	1.7
South Lanarkshire	1.3	0.3	3.0	4.4	18.1	4.7	1.2

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>
Stirling	0.9	0.3	2.1	5.6	19.5	2.8	1.5
West Dunbartonshire	0.7	0.0	3.8	3.5	32.6	3.3	2.2
West Lothian	3.2	1.0	2.6	3.2	17.2	4.0	1.3
<b>WALES</b>							
Blaenau Gwent	0.7	0.0	5.0	1.1	42.3	1.7	1.7
Bridgend	0.1	0.1	4.5	2.0	28.8	2.8	1.4
Caerphilly	1.0	0.1	3.6	2.1	32.1	3.0	0.9
Cardiff	9.6	5.0	2.9	3.8	38.3	2.9	1.1
Carmarthenshire	0.6	0.1	4.7	4.1	18.8	3.1	1.2
Ceredigion	0.2	0	2.8	3.3	3.9	0.7	0.7
Conwy	1.1	0.1	3.3	3.8	19.6	3.8	1.1
Denbighshire	0.4	0.0	4.7	3.0	27.9	3.4	1.2
Flintshire	0.6	0.1	3.6	2.7	14.3	1.7	1.2
Gwynedd	1.7	0.5	3.1	3.4	9.0	3.2	1.0
Isle of Anglesey	0.3	0.0	4.0	2.4	26.5	4.0	0.9
Merthyr Tydfil	1.0	0.3	3.8	2.0	30.4	3.5	0.7
Monmouthshire	0.1	0.4	1.8	3.6	3.0	2.2	0.5
Neath Port Talbot	0.3	0.0	4.1	2.8	40.4	3.3	1.5
Newport	9.4	3.6	3.6	2.9	35.3	3.1	2.0
Pembrokeshire	0.2	0.2	4.5	3.4	21.2	2.3	1.2
Powys	0.7	0.0	2.0	3.8	8.0	3.4	1.4
Rhondda Cynon Taf	1.2	0.4	4.7	2.2	38.9	2.5	1.3
Swansea	1.7	0.5	4.3	4.0	39.8	3.3	1.2
Torfaen	1.2	0.0	4.3	1.8	31.9	3.6	1.4
Vale of Glamorgan	1.3	0.2	2.6	4.6	20.0	5.0	1.1
Wrexham	0.8	0.1	5.3	3.7	25	3.9	1.5
<b>NORTHERN IRELAND</b>							
Antrim and Newtownabbey	0.7	0.4	2.8	3.3	22.5	3.6	1.2
Ards and North Down	0.4	0.3	3.3	4.0	21.7	3.4	1.2
Armagh City, Banbridge and Craigavon	0.4	0.6	2.1	3.4	11.6	2.4	1.1
Belfast	1.3	2.3	4.2	3.8	58.0	3.2	1.2
Causeway Coast and Glens	0.2	0.0	2.9	3.6	23.4	2.6	0.7

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	0.5	0.3	2.4	4.1	57	3.5	1.3
Fermanagh and Omagh	0.4	0.3	1.7	4.4	13.8	2.1	0.7
Lisburn and Castlereagh	0.9	0.2	1.9	4.8	4.1	4.2	1.1
Mid Ulster	0.3	1.5	1.6	4.4	6.4	4.6	1.6
Mid and East Antrim	0.2	0.1	3.9	4.1	23.3	3.2	1.2
Newry, Mourne and Down	0.1	0.1	2.9	3.4	26	4.3	1.3
<b>GUERNSEY</b>	0.0	0.0	2.4	4.9	0.0	96.0	0.6
<b>ISLE OF MAN</b>	1.2	1.0	2.9	5.6	0.0	3.9	0.7
<b>JERSEY</b>	0.0	0.0	1.0	6.3	0.0	5.5	1.0

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

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

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## 5. Causes of death

### 5.1 Reported causes of death

**Table 29: Stillbirths, neonatal deaths, and extended perinatal deaths by CODAC level 1 cause of death: United Kingdom and Crown Dependencies, for births in 2018**

CODAC cause of death: level 1	Stillbirths <sup>§</sup>		Neonatal deaths <sup>§</sup>		Extended perinatal deaths <sup>§</sup>	
	Number	(%)	Number	(%)	Number	(%)
Infection	101	(4.2)	84	(7.0)	185	(5.1)
Neonatal	42	(1.7)	491	(41.0)	533	(14.8)
Intrapartum	53	(2.2)	25	(2.1)	78	(2.2)
Congenital anomaly	249	(10.4)	426	(35.5)	675	(18.7)
Fetal	109	(4.5)	40	(3.3)	149	(4.1)
Cord	127	(5.3)	3	(0.3)	130	(3.6)
Placenta	780	(32.5)	36	(3.0)	816	(22.7)
Maternal	88	(3.7)	5	(0.4)	93	(2.6)
Unknown	853	(35.5)	58	(4.8)	911	(25.3)
Missing	1	(0.0)	31	(2.6)	32	(0.9)

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

**Table 30: Neonatal deaths by CODAC level 1 and level 2 cause of death: United Kingdom and Crown Dependencies, for births in 2018**

CODAC cause of death	Neonatal deaths <sup>§</sup>	
	Number	(%)
<b>Infection</b>	<b>84</b>	<b>(7.0)</b>
<b>Neonatal</b>	<b>491</b>	<b>(41.0)</b>
Unspecified or other	24	(2.0)
Extreme prematurity	154	(12.8)
Neurological	136	(11.3)
Cardio-respiratory	109	(9.1)
Gastrointestinal	31	(2.6)
Multi-organ failure	28	(2.3)
Trauma or suffocation	7	(0.6)
Inadequate care	2	(0.2)
<b>Intrapartum</b>	<b>25</b>	<b>(2.1)</b>
<b>Congenital anomaly</b>	<b>426</b>	<b>(35.5)</b>
<b>Fetal</b>	<b>40</b>	<b>(3.3)</b>
<b>Cord</b>	<b>3</b>	<b>(0.3)</b>
<b>Placenta</b>	<b>36</b>	<b>(3.0)</b>
<b>Maternal</b>	<b>5</b>	<b>(0.4)</b>
<b>Unknown</b>	<b>58</b>	<b>(4.8)</b>
<b>Missing</b>	<b>31</b>	<b>(2.6)</b>

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

**Table 31: Number and percentage CODAC level 1 for stillbirths by cause, 2015 to 2018**

CODAC cause of death: level 1	2015		2017		2017		2018	
	Number	(%)	Number	(%)	Number	(%)	Number	(%)
Infection	116	(3.8)	108	(3.5)	121	(4.3)	101	(4.2)
Neonatal	45	(1.5)	42	(1.4)	41	(1.4)	42	(1.7)
Intrapartum	84	(2.8)	71	(2.3)	51	(1.8)	53	(2.2)
Congenital anomaly	268	(8.8)	280	(9.1)	262	(9.2)	249	(10.4)
Fetal	150	(4.9)	149	(4.9)	113	(4.0)	109	(4.5)
Cord	140	(4.6)	130	(4.2)	148	(5.2)	127	(5.3)
Placenta	822	(27.1)	882	(28.8)	904	(31.8)	780	(32.5)
Maternal	129	(4.3)	122	(4.0)	103	(3.6)	88	(3.7)
Unknown	1197	(39.5)	1145	(37.4)	982	(34.6)	853	(35.5)
Missing	83	(2.7)	136	(4.4)	115	(4.0)	1	(0.0)

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

**Table 32: Number and percentage CODAC level 1 for neonatal deaths by cause, 2015 to 2018**

CODAC cause of death: level 1	2015		2016		2017		2018	
	Number	(%)	Number	(%)	Number	(%)	Number	(%)
Infection	97	(7.1)	101	(7.6)	95	(7.5)	84	(7.0)
Neonatal	603	(43.9)	586	(43.8)	517	(40.8)	491	(41.0)
Intrapartum	34	(2.5)	27	(2.0)	46	(3.6)	25	(2.1)
Congenital anomaly	454	(33.1)	448	(33.5)	458	(36.1)	426	(35.5)
Fetal	35	(2.5)	49	(3.7)	40	(3.2)	40	(3.3)
Cord	5	(0.4)	2	(0.1)	1	(0.1)	3	(0.3)
Placenta	40	(2.9)	31	(2.3)	25	(2.0)	36	(3.0)
Maternal	2	(0.1)	5	(0.4)	4	(0.3)	5	(0.4)
Unknown	55	(4.0)	65	(4.9)	49	(3.9)	58	(4.8)
Missing	48	(3.5)	23	(1.7)	32	(2.5)	31	(2.6)

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

**Table 33: Number and percentage CODAC level 2 ('Neonatal') deaths by cause, 2015 to 2018**

CODAC cause of death:	2015		2016		2017		2018	
	Number	(%)	Number	(%)	Number	(%)	Number	(%)
Unspecified or other	36	(2.6)	29	(2.2)	19	(1.5)	24	(2.0)
Extreme prematurity	194	(14.1)	210	(15.7)	155	(12.2)	154	(12.8)
Neurological	177	(12.9)	157	(11.7)	139	(11.0)	136	(11.3)
Cardio-respiratory	148	(10.8)	127	(9.5)	119	(9.4)	109	(9.1)
Gastrointestinal	62	(4.5)	43	(3.2)	57	(4.5)	31	(2.6)
Multi-organ failure	33	(2.4)	16	(1.2)	20	(1.6)	28	(2.3)
Trauma or suffocation	2	(0.1)	4	(0.3)	7	(0.6)	7	(0.6)
Inadequate care	1	(0.1)	0	(0.0)	1	(0.1)	2	(0.2)

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

## 5.2 Post-mortem examination

**Table 34: 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 2018**

Post-mortem status*	Stillbirths <sup>§</sup>		Neonatal deaths <sup>§</sup>		Extended perinatal deaths <sup>§</sup>	
	Number	(%)	Number	(%)	Number	(%)
Not offered	26	(1.0)	71	(5.9)	97	(2.6)
Not known if offered	50	(1.9)	113	(9.4)	163	(4.3)
Offered but no consent	1211	(47.0)	600	(50.0)	1811	(47.9)
Offered but unknown consent	28	(1.1)	21	(1.8)	49	(1.3)
Offered and limited consent	137	(5.3)	26	(2.2)	163	(4.3)
Offered and full consent	1122	(43.5)	322	(26.9)	1444	(38.2)
Not offered but discussed with / accepted by coroner / procurator fiscal	5	(0.2)	46	(3.8)	51	(1.3)

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

**Table 35: Number and percentage of placental histology examinations by type of death (stillbirths and neonatal deaths): United Kingdom and Crown Dependencies, for births in 2018**

Placental histology status	Stillbirths <sup>§</sup>		Neonatal deaths <sup>§‡</sup>	
	Number	(%)	Number	(%)
With placental histology	2306	(89.4)	281	(74.1)
Without placental histology	272	(10.6)	98	(25.9)

<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



## 6. Factors affecting perinatal mortality

### 6.1 Mortality rates and ratios of mortality rates: mothers' characteristics

**Table 36: Stillbirth rates by mothers' age and socio-economic deprivation quintile of residence by year: United Kingdom and Crown Dependencies, for births in 2016 to 2018**

Mother's characteristic	Number (%) <sup>§</sup>						Rate per 1,000 births <sup>§</sup>		
	Stillbirths						Stillbirths <sup>†</sup>		
	2016		2017		2018		2016	2017	2018
<b>Mother's age (years)</b>									
<20	125	(4.1)	120	(4.2)	109	(4.2)	5.05	5.31	5.25
20-24	539	(17.6)	464	(16.3)	420	(16.3)	4.77	4.34	4.24
25-29	799	(26.1)	762	(26.8)	632	(24.5)	3.74	3.68	3.23
30-34	832	(27.1)	788	(27.7)	733	(28.4)	3.47	3.34	3.18
35-39	560	(18.3)	541	(19.0)	520	(20.2)	4.12	3.98	3.88
≥40	210	(6.9)	165	(5.8)	164	(6.4)	6.61	5.27	5.33
Not known	0	(0.0)	0	(0.0)	1	(0.0)	0.00	0.00	0.04
<b>Socio-economic deprivation quintile*</b>									
1 - Least deprived	456	(14.9)	424	(14.9)	387	(15.0)	2.96	2.81	2.61
2	546	(17.8)	471	(16.6)	400	(15.5)	3.48	3.12	2.77
3	608	(19.8)	545	(19.2)	504	(19.5)	3.95	3.58	3.41
4	671	(21.9)	660	(23.2)	596	(23.1)	4.33	4.34	4.09
5 - Most deprived	764	(24.9)	733	(25.8)	686	(26.6)	4.91	4.84	4.68
Not known	20	(0.7)	7	(0.2)	6	(0.2)	4.33	2.74	2.40

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

<sup>†</sup> per 1,000 total births

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

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

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**Table 37: Neonatal mortality rates by mothers' age and socio-economic deprivation quintile of residence by year: United Kingdom and Crown Dependencies, for births in 2016 to 2018**

Mother's characteristic	Number (%) <sup>§</sup>						Rate per 1,000 births <sup>§</sup>		
	Neonatal deaths						Neonatal deaths <sup>‡</sup>		
	2016		2017		2018		2016	2017	2018
<b>Mother's age (years)</b>									
<20	80	(6.0)	67	(5.3)	51	(4.3)	3.25	2.98	2.47
20-24	226	(16.9)	200	(15.8)	204	(17.0)	2.01	1.88	2.07
25-29	340	(25.4)	329	(26.0)	315	(26.3)	1.60	1.59	1.61
30-34	380	(28.4)	365	(28.8)	336	(28.0)	1.59	1.55	1.46
35-39	226	(16.9)	231	(18.2)	222	(18.5)	1.67	1.71	1.66
≥40	85	(6.4)	75	(5.9)	71	(5.9)	2.69	2.41	2.32
Not known	0	(0.0)	0	(0.0)	0	(0.0)	0.00	0.00	0.00
<b>Socio-economic deprivation quintile*</b>									
1 - Least deprived	186	(13.9)	199	(15.7)	182	(15.2)	1.21	1.32	1.23
2	234	(17.5)	212	(16.7)	202	(16.8)	1.50	1.41	1.40
3	257	(19.2)	230	(18.2)	235	(19.6)	1.68	1.52	1.59
4	303	(22.7)	310	(24.5)	259	(21.6)	1.96	2.05	1.78
5 - Most deprived	351	(26.3)	312	(24.6)	320	(26.7)	2.27	2.07	2.20
Not known	6	(0.4)	4	(0.3)	1	(0.1)	1.31	1.57	0.40

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

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

<sup>‡</sup> per 1,000 live births

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

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**Table 38: Ratios of mortality rates for stillbirth by mothers' age and socio-economic deprivation quintile of residence by year: United Kingdom and Crown Dependencies, for births in 2016 to 2018**

Mother's characteristic	Ratio of mortality rates (95% confidence intervals) <sup>§</sup>		
	Stillbirths		
	2016	2017	2018
<b>Mother's age (years)</b>			
<20	1.46 (1.29 to 1.65)	1.59 (1.33 to 1.9)	1.65 (1.36 to 1.99)
20-24	1.37 (1.29 to 1.46)	1.3 (1.19 to 1.42)	1.33 (1.21 to 1.46)
25-29	1.08 (1.02 to 1.14)	1.1 (1.03 to 1.18)	1.01 (0.93 to 1.09)
30-34	Reference	Reference	Reference
35-39	1.19 (1.11 to 1.27)	1.19 (1.09 to 1.3)	1.22 (1.11 to 1.33)
≥40	1.9 (1.76 to 2.06)	1.58 (1.35 to 1.84)	1.66 (1.42 to 1.94)
<b>Socio-economic deprivation quintile*</b>			
1 - Least deprived	Reference	Reference	Reference
2	1.18 (1.1 to 1.26)	1.11 (1.01 to 1.22)	1.06 (0.96 to 1.17)
3	1.33 (1.25 to 1.42)	1.27 (1.17 to 1.39)	1.31 (1.19 to 1.43)
4	1.46 (1.38 to 1.55)	1.54 (1.43 to 1.67)	1.57 (1.44 to 1.7)
5 - Most deprived	1.88 (1.7 to 2.07)	1.72 (1.6 to 1.86)	1.79 (1.66 to 1.94)

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

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

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

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**Table 39: Ratios of mortality rates for neonatal death by mothers' age and socio-economic deprivation quintile of residence by year: United Kingdom and Crown Dependencies, for births in 2016 to 2018**

Mother's characteristic	Ratio of mortality rates (95% confidence intervals) <sup>§</sup>		
	Neonatal deaths		
	2016	2017	2018
<b>Mother's age (years)</b>			
<20	2.04 (1.7 to 2.45)	1.92 (1.51 to 2.45)	1.69 (1.28 to 2.23)
20-24	1.26 (1.12 to 1.42)	1.21 (1.05 to 1.4)	1.42 (1.23 to 1.63)
25-29	1.08 (1.02 to 1.14)	1.1 (1.03 to 1.18)	1.01 (0.93 to 1.09)
30-34	Reference	Reference	Reference
35-39	1.05 (0.93 to 1.19)	1.1 (0.97 to 1.26)	1.14 (0.99 to 1.3)
≥40	1.69 (1.41 to 2.03)	1.55 (1.24 to 1.95)	1.59 (1.26 to 2.01)
<b>Socio-economic deprivation quintile*</b>			
1 - Least deprived	Reference	Reference	Reference
2	1.24 (1.1 to 1.4)	1.07 (0.93 to 1.23)	1.14 (0.99 to 1.31)
3	1.39 (1.24 to 1.56)	1.15 (1.01 to 1.32)	1.29 (1.13 to 1.48)
4	1.62 (1.46 to 1.8)	1.55 (1.38 to 1.74)	1.45 (1.27 to 1.64)
5 - Most deprived	1.88 (1.7 to 2.07)	1.57 (1.4 to 1.76)	1.79 (1.59 to 2.01)

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

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

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

**Table 40: Stillbirth rates by babies' sex, multiplicity of birth, ethnicity, gestational age, and birthweight by year: United Kingdom and Crown Dependencies, for births in 2016 to 2018**

Baby's characteristic	Number (%) <sup>§</sup>						Rate per 1,000 births <sup>§</sup>		
	Stillbirths						Stillbirths <sup>†</sup>		
	2016		2017		2018		2016	2017	2018
<b>Sex</b>									
Male	1504	(49.1)	1,481	(52.2)	1,288	(49.9)	3.76	3.81	3.42
Female	1522	(49.7)	1,325	(46.7)	1,253	(48.6)	4.00	3.57	3.49
Not known	36	(1.2)	30	(1.1)	38	(1.5)			
<b>Multiplicity</b>									
1	2912	(95.0)	2,667	(93.9)	2,434	(94.4)	3.86	3.63	3.42
2	145	(4.7)	164	(5.8)	136	(5.3)	6.16	6.99	5.94
≥3	7	(0.2)	9	(0.3)	9	(0.3)	11.78	17.11	20.36
Not known	1	(0.0)	0	(0.0)	0	(0.0)			
<b>Baby's ethnicity</b>									
White	2067	(67.4)	1,911	(67.3)	1,738	(67.4)	3.74	3.59	3.39
Mixed	164	(5.4)	184	(6.5)	170	(6.6)	4.01	4.56	4.25
Asian, Asian British	457	(14.9)	415	(14.6)	370	(14.3)	6.09	5.70	5.31
Black, Black British	275	(9.0)	239	(8.4)	226	(8.8)	8.29	7.46	7.35
Other	87	(2.8)	73	(2.6)	64	(2.5)	4.14	3.68	3.29
Refused/Not Known	15	(0.5)	18	(0.6)	11	(0.4)			
<b>Gestational age at birth (weeks)</b>									
24 <sup>+0</sup> -27 <sup>+6</sup>	717	(23.4)	710	(25.0)	665	(25.8)	219.33	220.02	217.04
28 <sup>+0</sup> -31 <sup>+6</sup>	512	(16.7)	482	(17.0)	467	(18.1)	77.34	73.70	76.77
32 <sup>+0</sup> -36 <sup>+6</sup>	786	(25.6)	730	(25.7)	658	(25.5)	15.60	14.51	13.65
37 <sup>+0</sup> -41 <sup>+6</sup>	1031	(33.6)	894	(31.5)	772	(29.9)	1.52	1.35	1.21
≥42 <sup>+0</sup>	19	(0.6)	22	(0.8)	15	(0.6)	1.04	1.36	1.05
Not known	0	(0.0)	2	(0.1)	2	(0.1)			
<b>Birthweight (g)</b>									
<1,500	1266	(41.3)	1,225	(43.1)	1,155	(44.8)	150.98	147.40	149.79
1,500-2,499	702	(22.9)	648	(22.8)	622	(24.1)	15.00	14.05	13.95
2,500-3,499	801	(26.1)	743	(26.2)	615	(23.8)	2.01	1.91	1.62
3,500-4,499	259	(8.5)	199	(7.0)	162	(6.3)	0.86	0.68	0.58
≥4,500	24	(0.8)	10	(0.4)	11	(0.4)	1.99	0.90	1.14
Not known	13	(0.4)	15	(0.5)	14	(0.5)			

§ 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, ISD, NIMATS, States of Guernsey, States of Jersey

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**Table 41: Neonatal mortality rates by babies' sex, multiplicity of birth, ethnicity, gestational age, and birthweight by year: United Kingdom and Crown Dependencies, for births in 2016 to 2018**

Baby's characteristic	Number (%) <sup>§</sup>						Rate per 1,000 births <sup>§</sup>		
	Neonatal deaths						Neonatal deaths <sup>‡</sup>		
	2016		2017		2018		2016	2017	2018
<b>Sex</b>									
Male	711	(53.2)	723	(57.1)	641	(53.5)	1.79	1.87	1.71
Female	614	(45.9)	532	(42.0)	553	(46.1)	1.62	1.44	1.55
Not known	12	(0.9)	12	(0.9)	5	(0.4)			
<b>Multiplicity</b>									
1	1204	(90.1)	1,130	(89.2)	1,053	(87.8)	1.60	1.54	1.48
2	125	(9.3)	127	(10.0)	142	(11.8)	5.34	5.45	6.38
≥3	7	(0.5)	9	(0.7)	3	(0.3)	11.93	17.41	6.93
Not known	1	(0.1)	1	(0.1)	1	(0.1)			
<b>Baby's ethnicity</b>									
White	937	(70.1)	878	(69.3)	843	(70.3)	1.70	1.66	1.65
Mixed	71	(5.3)	54	(4.3)	62	(5.2)	1.74	1.34	1.56
Asian, Asian British	211	(15.8)	207	(16.3)	182	(15.2)	2.83	2.86	2.63
Black, Black British	84	(6.3)	88	(6.9)	73	(6.1)	2.55	2.77	2.39
Other	29	(2.2)	32	(2.5)	26	(2.2)	1.38	1.62	1.34
Refused/Not Known	5	(0.4)	8	(0.6)	13	(1.1)			
<b>Gestational age at birth (weeks)</b>									
24 <sup>+0</sup> -27 <sup>+6</sup>	404	(30.2)	365	(28.8)	342	(28.5)	158.31	145.01	142.56
28 <sup>+0</sup> -31 <sup>+6</sup>	177	(13.2)	187	(14.8)	167	(13.9)	28.98	30.87	29.74
32 <sup>+0</sup> -36 <sup>+6</sup>	275	(20.6)	270	(21.3)	244	(20.4)	5.55	5.45	5.13
37 <sup>+0</sup> -41 <sup>+6</sup>	468	(35.0)	428	(33.8)	431	(35.9)	0.69	0.65	0.68
≥42 <sup>+0</sup>	9	(0.7)	11	(0.9)	13	(1.1)	0.49	0.68	0.91
Not known	4	(0.3)	6	(0.5)	2	(0.2)			
<b>Birthweight (g)</b>									
<1,500	555	(41.5)	524	(41.4)	507	(42.3)	77.96	73.95	77.33
1,500-2,499	281	(21.0)	295	(23.3)	273	(22.8)	6.10	6.49	6.21
2,500-3,499	366	(27.4)	311	(24.5)	313	(26.1)	0.92	0.80	0.83
3,500-4,499	117	(8.8)	124	(9.8)	95	(7.9)	0.39	0.42	0.34
≥4,500	7	(0.5)	7	(0.6)	8	(0.7)	0.58	0.63	0.83
Not known	11	(0.8)	6	(0.5)	3	(0.3)			

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

<sup>‡</sup> per 1,000 live births

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**Table 42: Ratios of mortality rates for stillbirth by babies' sex, multiplicity of birth, ethnicity, gestational age, and birthweight by year: United Kingdom and Crown Dependencies, for births in 2016 to 2018**

Baby's characteristic	Ratio of mortality rates (RR) <sup>§</sup>		
	Stillbirths		
	2016	2017	2018
<b>Sex</b>			
Male	0.94 (0.89 to 0.99)	1.07 (1.01 to 1.12)	0.98 (0.92 to 1.03)
Female	Reference	Reference	Reference
<b>Multiplicity</b>			
1	Reference	Reference	Reference
2	1.6 (1.36 to 1.88)	1.93 (1.65 to 2.25)	1.78 (1.5 to 2.1)
≥3	3.05 (1.46 to 6.38)	4.72 (2.47 to 9.02)	5.95 (3.12 to 11.37)
<b>Baby's ethnicity</b>			
White	Reference	Reference	Reference
Mixed	1.07 (0.92 to 1.25)	1.27 (1.1 to 1.47)	1.25 (1.08 to 1.46)
Asian, Asian British	1.63 (1.48 to 1.78)	1.59 (1.44 to 1.75)	1.57 (1.41 to 1.73)
Black, Black British	2.21 (1.97 to 2.49)	2.08 (1.83 to 2.36)	2.17 (1.9 to 2.47)
Other	1.1 (0.89 to 1.36)	1.02 (0.81 to 1.29)	0.97 (0.76 to 1.24)
<b>Gestational age at birth (weeks)</b>			
24 <sup>+0</sup> -27 <sup>+6</sup>	144.26 (135.09 to 154.04)	162.67 (152.27 to 173.78)	179.16 (167.29 to 191.87)
28 <sup>+0</sup> -31 <sup>+6</sup>	50.87 (46.76 to 55.33)	54.49 (49.95 to 59.45)	63.37 (58.01 to 69.23)
32 <sup>+0</sup> -36 <sup>+6</sup>	10.26 (9.57 to 11.01)	10.73 (9.97 to 11.55)	11.27 (10.43 to 12.18)
37 <sup>+0</sup> -41 <sup>+6</sup>	Reference	Reference	Reference
≥42 <sup>+0</sup>	0.68 (0.44 to 1.07)	1 (0.66 to 1.53)	0.87 (0.52 to 1.44)
<b>Birthweight (g)</b>			
<1,500	176.19 (166.83 to 186.08)	216.59 (204.65 to 229.24)	259 (244.08 to 274.84)
1,500-2,499	17.51 (16.2 to 18.91)	20.64 (19.03 to 22.4)	24.13 (22.18 to 26.25)
2,500-3,499	2.35 (2.18 to 2.53)	2.8 (2.6 to 3.03)	2.8 (2.57 to 3.05)
3,500-4,499	Reference	Reference	Reference
≥4,500	2.33 (1.55 to 3.48)	1.32 (0.7 to 2.46)	1.97 (1.08 to 3.57)

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

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

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**Table 43: Ratios of mortality rates for neonatal death by babies' sex, multiplicity of birth, ethnicity, gestational age, and birthweight by year: United Kingdom and Crown Dependencies, for births in 2016 to 2018**

Baby's characteristic	Ratio of mortality rates (RR) <sup>§</sup>		
	Neonatal deaths		
	2016	2017	2018
<b>Sex</b>			
Male	1.10 (1.02 to 1.19)	1.30 (1.20 to 1.40)	1.10 (1.02 to 1.19)
Female	Reference	Reference	Reference
<b>Multiplicity</b>			
1	Reference	Reference	Reference
2	3.33 (2.80 to 3.98)	3.53 (2.97 to 4.21)	4.30 (3.64 to 5.07)
≥3	7.45 (3.56 to 15.56)	11.28 (5.90 to 21.58)	4.67 (1.51 to 14.43)
<b>Baby's ethnicity</b>			
White	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)
Asian, Asian British	1.66 (1.45 to 1.90)	1.73 (1.50 to 1.98)	1.59 (1.37 to 1.84)
Black, Black British	1.50 (1.21 to 1.86)	1.67 (1.35 to 2.06)	1.45 (1.15 to 1.82)
Other	0.81 (0.56 to 1.17)	0.98 (0.69 to 1.38)	0.81 (0.55 to 1.19)
<b>Gestational age at birth (weeks)</b>			
24 <sup>+0</sup> -27 <sup>+6</sup>	229.03 (208.98 to 250.99)	223.65 (202.93 to 246.48)	210.53 (190.41 to 232.78)
28 <sup>+0</sup> -31 <sup>+6</sup>	41.92 (36.18 to 48.58)	47.61 (41.25 to 54.95)	43.92 (37.73 to 51.11)
32 <sup>+0</sup> -36 <sup>+6</sup>	8.02 (7.12 to 9.05)	8.40 (7.44 to 9.48)	7.58 (6.67 to 8.61)
37 <sup>+0</sup> -41 <sup>+6</sup>	Reference	Reference	Reference
≥42 <sup>+0</sup>	0.71 (0.37 to 1.37)	1.05 (0.58 to 1.90)	1.34 (0.78 to 2.32)
<b>Birthweight (g)</b>			
<1,500	201.22 (184.19 to 219.82)	174.27 (159.20 to 190.77)	227.90 (207.42 to 250.39)
1,500-2,499	15.73 (13.88 to 17.83)	15.29 (13.53 to 17.27)	18.30 (16.09 to 20.82)
2,500-3,499	2.38 (2.13 to 2.66)	1.89 (1.67 to 2.13)	2.43 (2.16 to 2.75)
3,500-4,499	Reference	Reference	Reference
≥4,500	1.50 (0.71 to 3.18)	1.48 (0.70 to 3.13)	2.44 (1.21 to 4.93)

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

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

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

**Table 44: Stillbirths by mothers' demographic characteristics by year: United Kingdom and Crown Dependencies, for births in 2016 to 2018**

Mothers' demographic characteristics	Number (%) <sup>§</sup>					
	Stillbirths					
	2016		2017		2018	
<b>Body Mass Index</b>						
<16.0	4	(0.1)	2	(0.1)	2	(0.1)
16.0 to 18.4	69	(2.3)	67	(2.4)	66	(2.6)
18.5 to 24.9	1,183	(38.6)	1,092	(38.5)	940	(36.4)
25.0 to 29.9	830	(27.1)	773	(27.2)	697	(27.0)
30.0 to 34.9	431	(14.1)	400	(14.1)	407	(15.8)
≥35.0	333	(10.9)	319	(11.2)	292	(11.3)
Not known	215	(7.0)	187	(6.6)	175	(6.8)
<b>Previous obstetric history<sup>v</sup></b>						
Never pregnant	1091	(35.6)	1,023	(36.0)	918	(35.6)
Stillbirth or neonatal death	164	(5.4)	110	(3.9)	109	(4.2)
Pre 24 week loss	685	(22.3)	680	(23.9)	637	(24.7)
Surviving child	1591	(51.9)	1,489	(52.4)	1,358	(52.7)
Not known	0	(0.0)	0	(0.0)	1	(0.0)
<b>Consanguinity</b>						
Unrelated	2,698	(88.0)	2,516	(88.6)	2,252	(87.3)
First cousins or closer	82	(2.7)	79	(2.8)	62	(2.4)
Other relation	38	(1.2)	32	(1.1)	40	(1.6)
Not known	247	(8.1)	213	(7.5)	225	(8.7)
<b>Born in the UK</b>						
Yes	2,006	(65.4)	1,830	(64.4)	1,705	(66.1)
No	823	(26.9)	808	(28.5)	682	(26.4)
Not known	236	(7.7)	202	(7.1)	192	(7.4)
<b>Time resident in the UK<sup>w</sup></b>						
Less than 1 year	96	(3.1)	79	(2.8)	75	(2.9)
More than 1 year	2,891	(94.3)	654	(23.0)	541	(21.0)
Not known	78	(2.5)	75	(2.6)	66	(2.6)
<b>Support during pregnancy</b>						
Partner, cohabiting	2,547	(83.1)	2,354	(82.9)	2,121	(82.2)
Partner, not cohabiting	221	(7.2)	214	(7.5)	194	(7.5)
Family/friend	204	(6.7)	194	(6.8)	193	(7.5)
None	24	(0.8)	25	(0.9)	24	(0.9)
Not known	69	(2.3)	53	(1.9)	47	(1.8)
<b>Employment status</b>						
Employed or self-employed	1,748	(57.0)	1,660	(58.5)	1,547	(60.0)
Unemployed (looking for work)	363	(11.8)	352	(12.4)	281	(10.9)
Retired	1	(0.0)	1	(0.0)	73	(2.8)

Mothers' demographic characteristics	Number (%) <sup>§</sup>					
	Stillbirths					
	2016		2017		2018	
Student	70	(2.3)	75	(2.6)	462	(17.9)
Looking after home/family	642	(20.9)	524	(18.5)	16	(0.6)
Permanently sick/disabled	16	(0.5)	12	(0.4)	26	(1.0)
Other	28	(0.9)	22	(0.8)	174	(6.7)
Not known	197	(6.4)	194	(6.8)	0	(0.0)

<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 45: Neonatal deaths by mothers' demographic characteristics by year: United Kingdom and Crown Dependencies, for births in 2015 to 2017**

Mothers' demographic characteristics	Number (%) <sup>§</sup>					
	Neonatal deaths					
	2016		2017		2018	
<b>Body Mass Index</b>						
<16.0	1	(0.1)	3	(0.2)	3	(0.3)
16.0 to 18.4	46	(3.4)	42	(3.3)	33	(2.8)
18.5 to 24.9	482	(36.1)	457	(36.1)	428	(35.7)
25.0 to 29.9	273	(20.4)	276	(21.8)	275	(22.9)
30.0 to 34.9	170	(12.7)	159	(12.5)	156	(13.0)
≥35.0	113	(8.5)	133	(10.5)	138	(11.5)
Not known	252	(18.8)	197	(15.5)	166	(13.8)
<b>Previous obstetric history<sup>v</sup></b>						
Never pregnant	462	(34.6)	445	(35.1)	411	(34.3)
Stillbirth or neonatal death	76	(5.7)	76	(6.0)	60	(5.0)
Pre 24 week loss	328	(24.5)	293	(23.1)	319	(26.6)
Surviving child	707	(52.9)	674	(53.2)	618	(51.5)
Not known	0	(0.0)	0	(0.0)	1	(0.1)
<b>Consanguinity</b>						
Unrelated	1,072	(80.2)	1,067	(84.2)	1,025	(85.5)
First cousins or closer	54	(4.0)	45	(3.6)	45	(3.8)
Other relation	18	(1.3)	19	(1.5)	12	(1.0)
Not known	193	(14.4)	136	(10.7)	117	(9.8)
<b>Born in the UK</b>						
Yes	860	(64.3)	831	(65.6)	815	(68.0)
No	295	(22.1)	262	(20.7)	258	(21.5)
Not known	182	(13.6)	174	(13.7)	126	(10.5)
<b>Time resident in the UK<sup>~</sup></b>						
Less than 1 year	23	(1.7)	17	(1.3)	25	(2.1)
More than 1 year	1,264	(94.5)	213	(16.8)	202	(16.8)
Not known	50	(3.7)	32	(2.5)	31	(2.6)

Mothers' demographic characteristics	Number (%) <sup>§</sup>					
	Neonatal deaths					
	2016		2017		2018	
<b>Support during pregnancy</b>						
Partner, cohabiting	1,113	(83.2)	1,044	(82.4)	989	(82.5)
Partner, not cohabiting	90	(6.7)	112	(8.8)	93	(7.8)
Family/friend	70	(5.2)	68	(5.4)	73	(6.1)
None	9	(0.7)	13	(1.0)	9	(0.8)
Not known	55	(4.1)	30	(2.4)	35	(2.9)
<b>Employment status</b>						
Employed or self-employed	709	(53.0)	674	(53.2)	682	(56.9)
Unemployed (looking for work)	141	(10.5)	125	(9.9)	120	(10.0)
Retired	0	(0.0)	0	(0.0)	0	(0.0)
Student	30	(2.2)	45	(3.6)	22	(1.8)
Looking after home/family	257	(19.2)	254	(20.0)	217	(18.1)
Permanently sick/disabled	7	(0.5)	6	(0.5)	5	(0.4)
Other	7	(0.5)	8	(0.6)	12	(1.0)
Not known	186	(13.9)	155	(12.2)	141	(11.8)

<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

Data source: MBRRACE-UK

**Table 46: Stillbirths by mothers' behavioural characteristics by year: United Kingdom and Crown Dependencies, for births in 2016 to 2018**

Mother's behavioural characteristics	Number (%) <sup>§</sup>					
	Stillbirths					
	2016		2017		2018	
<b>Smoking status</b>						
Never smoked	1,866	(60.9)	1,766	(62.2)	1,560	(60.5)
Non-smoker at booking (history unknown)	87	(2.8)	100	(3.5)	107	(4.1)
Gave up before pregnancy	253	(8.3)	257	(9.0)	252	(9.8)
Gave up during pregnancy	138	(4.5)	127	(4.5)	109	(4.2)
Smoker	640	(20.9)	525	(18.5)	499	(19.3)
Not known	81	(2.6)	65	(2.3)	52	(2.0)
<b>Breath carbon monoxide (ppm)</b>						
<4	1,002	(32.7)	1,017	(35.8)	1,146	(44.4)
≥4	359	(11.7)	356	(12.5)	383	(14.9)
Not known	1,704	(55.6)	1,467	(51.7)	1,050	(40.7)
<b>Alcohol abuse</b>						
No	2,958	(96.5)	2,761	(97.2)	2,486	(96.4)
Yes	32	(1.0)	19	(0.7)	27	(1.0)
Not known	75	(2.4)	60	(2.1)	66	(2.6)
<b>Substance abuse</b>						
No	2,890	(94.3)	2,703	(95.2)	2,442	(94.7)
Yes	104	(3.4)	85	(3.0)	76	(2.9)
Not known	71	(2.3)	52	(1.8)	61	(2.4)

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

**Table 47: Neonatal deaths by mothers' behavioural characteristics by year: United Kingdom and Crown Dependencies, for births in 2016 to 2018**

Mother's behavioural characteristics	Number (%) <sup>§</sup>					
	Neonatal deaths					
	2016		2017		2018	
<b>Smoking status</b>						
Never smoked	779	(58.3)	741	(58.5)	707	(59.0)
Non-smoker at booking (history unknown)	91	(6.8)	90	(7.1)	87	(7.3)
Gave up before pregnancy	98	(7.3)	107	(8.4)	91	(7.6)
Gave up during pregnancy	56	(4.2)	44	(3.5)	44	(3.7)
Smoker	246	(18.4)	236	(18.6)	220	(18.3)
Not known	67	(5.0)	49	(3.9)	50	(4.2)
<b>Breath carbon monoxide (ppm)</b>						
<4	418	(31.3)	423	(33.4)	452	(37.7)
≥4	119	(8.9)	141	(11.1)	154	(12.8)
Not known	800	(59.8)	703	(55.5)	593	(49.5)
<b>Alcohol abuse</b>						
No	1,262	(94.5)	1,214	(95.8)	1,145	(95.5)
Yes	10	(0.7)	11	(0.9)	12	(1.0)
Not known	64	(4.8)	42	(3.3)	42	(3.5)
<b>Substance abuse</b>						
No	1242	(92.9)	1,198	(94.6)	1,107	(92.3)
Yes	32	(2.4)	28	(2.2)	44	(3.7)
Not known	63	(4.8)	41	(3.2)	48	(4.0)

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



**Table 48: Stillbirths by mothers' pregnancy characteristics by year: United Kingdom and Crown Dependencies, for births in 2016 to 2018**

Mother's pregnancy characteristics	Number (%) <sup>§</sup>					
	Stillbirths					
	2016		2017		2018	
<b>Booking (weeks gestational age)</b>						
Less than 12 <sup>+0</sup>	2087	(68.1)	1,951	(68.7)	1,854	(71.9)
12 <sup>+0</sup> to 17 <sup>+6</sup>	577	(18.8)	531	(18.7)	410	(15.9)
18 <sup>+0</sup>	249	(8.1)	200	(7.0)	187	(7.3)
Not known	152	(5.0)	158	(5.6)	128	(5.0)
<b>Documented poor antenatal care attender</b>						
No	2774	(90.5)	2,575	(90.7)	2,304	(89.3)
Yes	157	(5.1)	134	(4.7)	152	(5.9)
Not known	134	(4.4)	131	(4.6)	123	(4.8)
<b>Assisted conception</b>						
Not assisted	2878	(93.9)	2,645	(93.1)	2,411	(93.5)
Ovulation induction only	14	(0.5)	19	(0.7)	20	(0.8)
In vitro fertilisation (IVF) <sup>°</sup>	106	(3.5)	114	(4.0)	90	(3.5)
Artificial insemination <sup>□</sup>	8	(0.3)	8	(0.3)	7	(0.3)
Not known	59	(1.9)	54	(1.9)	51	(2.0)

<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 49: Neonatal deaths by mothers' pregnancy characteristics by year: United Kingdom and Crown Dependencies, for births in 2016 to 2018**

Mother's pregnancy characteristics	Number (%) <sup>§</sup>					
	Neonatal deaths					
	2016		2017		2018	
<b>Booking (weeks gestational age)</b>						
Less than 12 <sup>+0</sup>	806	(60.3)	797	(62.9)	787	(65.6)
12 <sup>+0</sup> to 17 <sup>+6</sup>	220	(16.5)	221	(17.4)	196	(16.3)
18 <sup>+0</sup>	90	(6.7)	85	(6.7)	95	(7.9)
Not known	221	(16.5)	164	(12.9)	121	(10.1)
<b>Documented poor antenatal care attender</b>						
No	1098	(82.1)	1,057	(83.4)	994	(82.9)
Yes	36	(2.7)	38	(3.0)	59	(4.9)
Not known	203	(15.2)	172	(13.6)	146	(12.2)
<b>Assisted conception</b>						
Not assisted	1141	(85.3)	1,097	(86.6)	1,045	(87.2)
Ovulation induction only	11	(0.8)	13	(1.0)	9	(0.8)
In vitro fertilisation (IVF) <sup>°</sup>	75	(5.6)	58	(4.6)	57	(4.8)
Artificial insemination <sup>□</sup>	3	(0.2)	2	(0.2)	6	(0.5)
Not known	107	(8.0)	97	(7.7)	82	(6.8)

<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

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

Data presented in Table 50 shows the stillbirth, neonatal death and extended perinatal death rates in the UK for 2008 to 2018 obtained from statutory registered births and deaths.

**Table 50: Total stillbirth, neonatal, and extended perinatal mortality rates from statutory registrations by country: United Kingdom, 2008 to 2018**

Rate per 1,000 births	Country	Year of death										
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Stillbirths <sup>†</sup>	UK	5.08	5.19	5.07	5.17	4.82	4.64	4.57	4.40	4.41	4.13	4.03
	England	5.07	5.17	5.08	5.23	4.81	4.65	4.59	4.42	4.35	4.12	4.01
	Scotland	5.38	5.34	4.93	5.08	4.70	4.16	4.00	3.81	4.31	4.24	3.69
	Wales	4.61	5.13	5.26	4.67	5.11	4.51	5.25	4.73	4.98	4.73	4.39
	Northern Ireland	4.47	4.75	4.13	3.59	4.18	4.51	3.31	3.13	3.39	4.40	3.45
Neonatal deaths <sup>‡</sup>	UK	3.18	3.12	2.96	2.95	2.85	2.71	2.71	2.72	2.79	2.76	2.79
	England	3.18	3.10	2.93	2.94	2.86	2.71	2.69	2.73	2.80	2.87	2.82
	Scotland	2.80	2.79	2.55	2.71	2.55	2.34	2.42	2.03	2.68	2.25	2.18
	Wales	2.95	3.09	2.73	2.75	2.92	2.43	2.38	2.46	2.00	2.49	2.49
	Northern Ireland	3.71	3.89	4.58	3.48	2.77	3.38	3.94	4.21	3.57	2.77	3.24
Extended perinatal deaths <sup>†</sup>	UK	8.24	8.30	8.01	8.11	7.59	7.33	7.26	7.11	7.17	7.03	6.61
	England	8.24	8.25	8.00	8.16	7.58	7.34	7.26	7.14	7.13	6.98	6.82
	Scotland	8.17	8.12	7.46	7.78	7.24	6.49	6.41	5.84	6.98	6.48	5.86
	Wales	7.54	8.20	7.97	7.41	7.85	6.93	7.62	7.18	6.98	7.21	6.88
	Northern Ireland	8.16	8.63	8.69	7.06	6.94	7.87	7.23	7.33	6.95	7.16	6.68

<sup>†</sup> per 1,000 total births

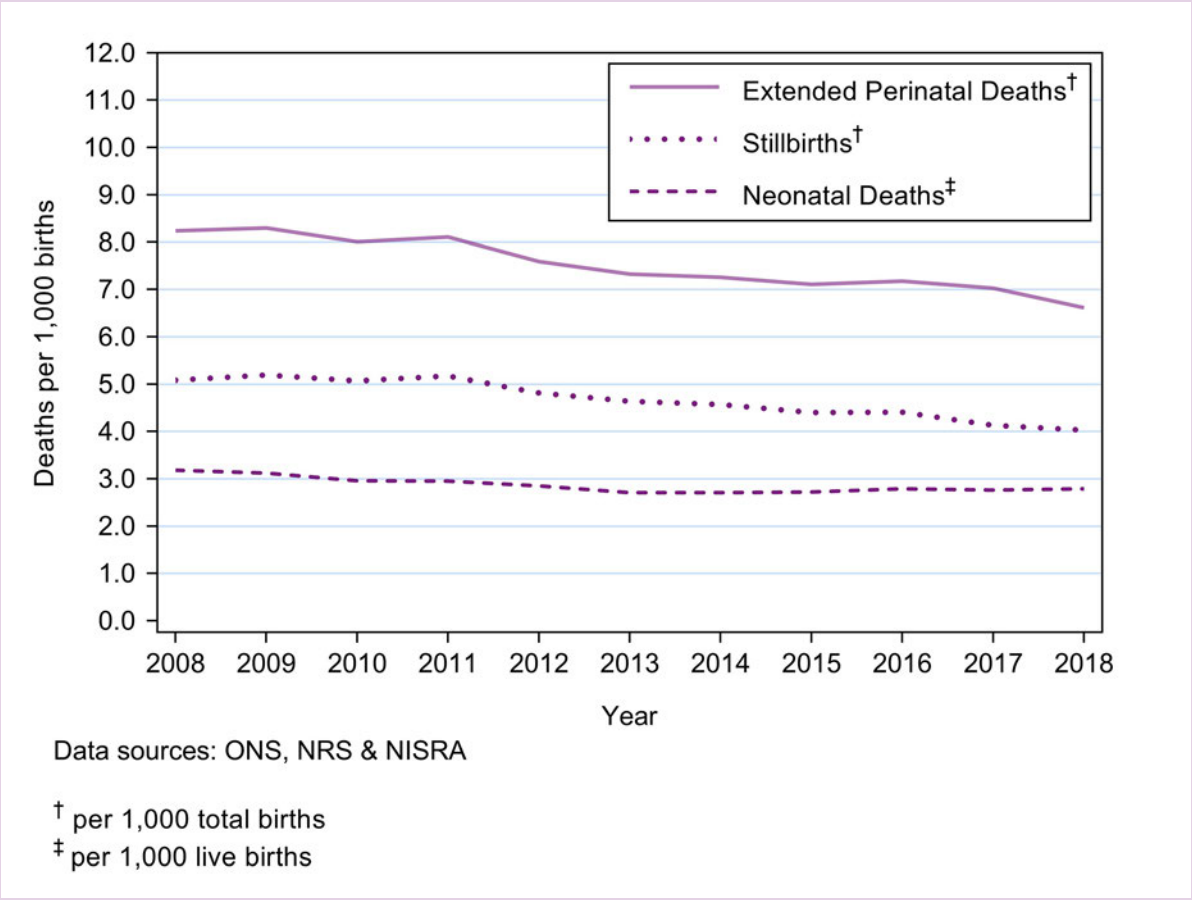
<sup>‡</sup> per 1,000 live births

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 37, overleaf.

**Figure 37: Total stillbirth, neonatal, and extended perinatal mortality rates from statutory registrations: United Kingdom, 2008 to 2018**



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

### 8.1 Timeliness of notification

**Table 51: Percentage of stillbirths, neonatal deaths and extended perinatal deaths notified to MBRRACE-UK within 30 days, by country: 2017 and 2018**

Country	Stillbirths <sup>†</sup>		Neonatal deaths <sup>‡</sup>		Extended perinatal deaths <sup>†</sup>	
	2017	2018	2017	2018	2017	2018
<b>UK and Crown Dependencies</b>	<b>57.5</b>	<b>69.2</b>	<b>51.4</b>	<b>63.7</b>	<b>55.5</b>	<b>67.3</b>
England	60.5	73.3	54.8	65.8	58.6	70.8
Scotland	26.1	30.7	18.8	47.8	23.9	35.9
Wales	65.0	54.7	44.1	61.7	58.8	56.9
Northern Ireland	39.5	53.4	32.2	44.3	37.1	49.7

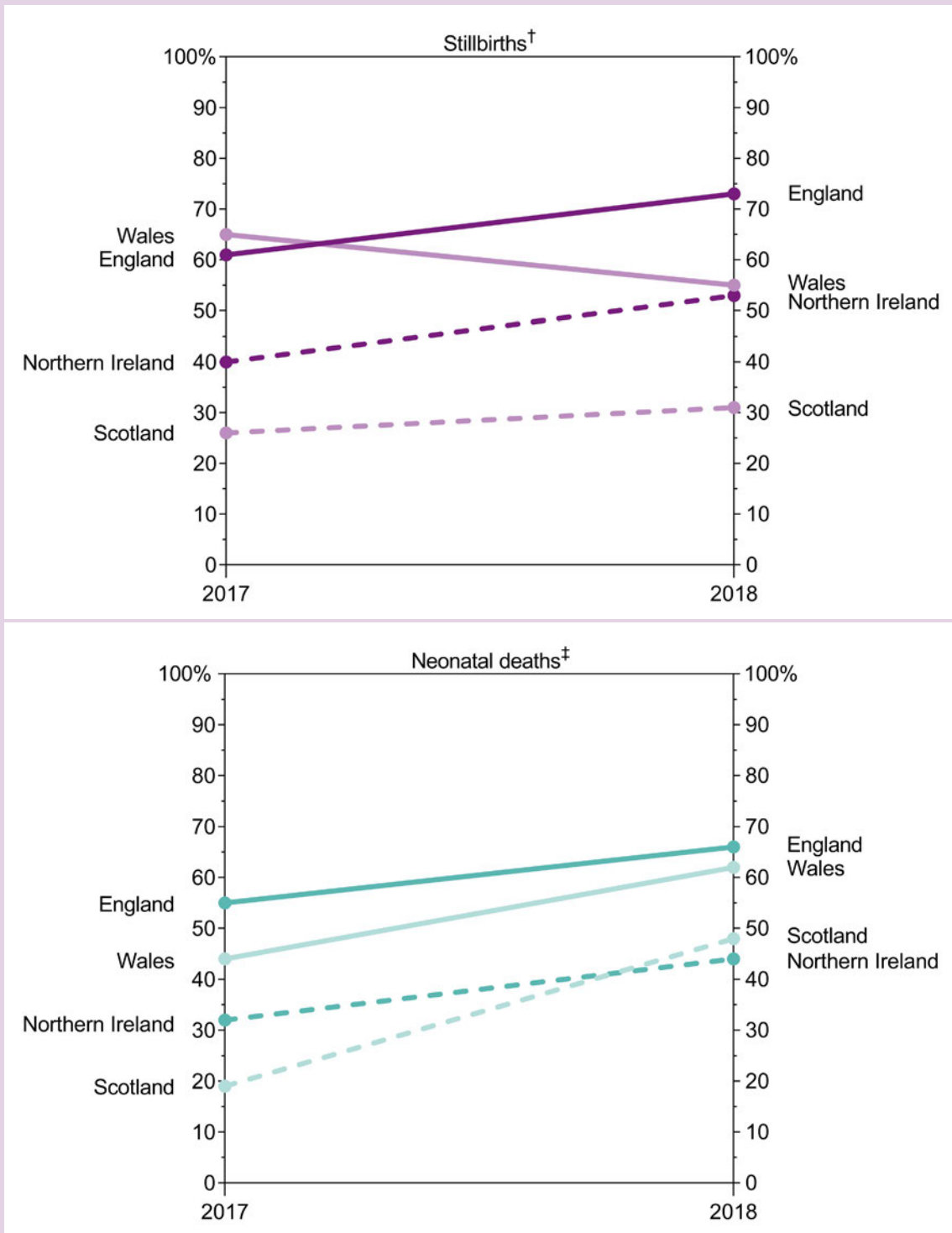
<sup>†</sup> Includes late fetal losses at 22-23 weeks gestational age

<sup>‡</sup> From 22<sup>+0</sup> weeks gestational age at delivery

Excluding terminations of pregnancy

Data source: MBRRACE-UK

**Figure 38: Percentage of stillbirths and neonatal deaths notified to MBRRACE-UK within 30 days, by country: 2017 and 2018**



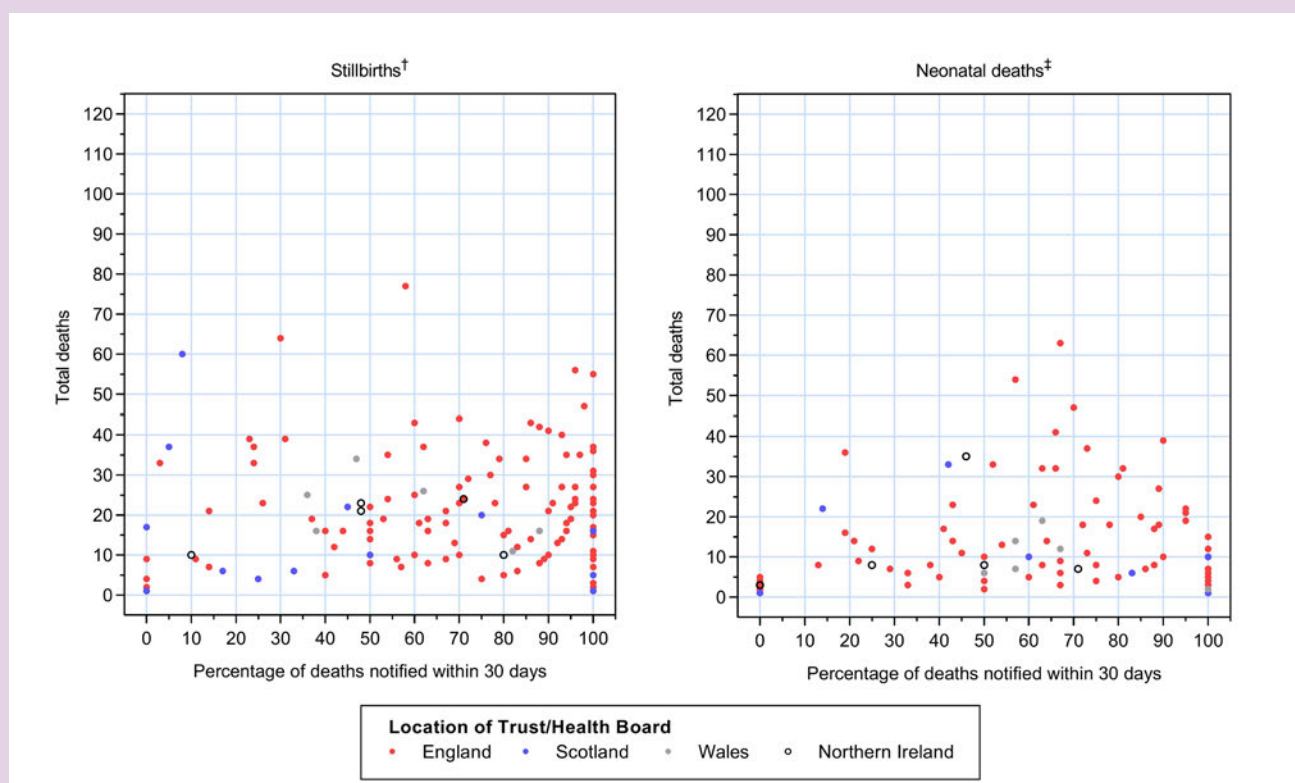
<sup>†</sup> Includes late fetal losses at 22-23 weeks gestational age

<sup>‡</sup> From 22<sup>+0</sup> weeks gestational age at delivery

Excluding terminations of pregnancy

Data source: MBRRACE-UK

**Figure 39: Percentage of stillbirths and neonatal deaths notified to MBRRACE-UK within 30 days, by Trust and Health Board: 2018**



† Includes late fetal losses at 22-23 weeks gestational age

‡ From 22<sup>+0</sup> weeks gestational age at delivery

Excluding terminations of pregnancy

Data source: MBRRACE-UK

**Table 52: Number of days to notify 90% of stillbirths, neonatal deaths and extended perinatal deaths, by country: 2017 and 2018**

Country	Stillbirths†		Neonatal deaths‡		Extended perinatal deaths†	
	2017	2018	2017	2018	2017	2018
<b>UK and Crown Dependencies</b>	<b>206</b>	<b>129</b>	<b>302</b>	<b>159</b>	<b>239</b>	<b>140</b>
England	199	103	297	140	224	114
Scotland	326	395	343	338	337	368
Wales	188	353	305	226	261	298
Northern Ireland	143	142	247	159	160	156

† Includes late fetal losses at 22-23 weeks gestational age

‡ From 22<sup>+0</sup> weeks gestational age at delivery

Excluding terminations of pregnancy

Data source: MBRRACE-UK

**Figure 40: Number of days to notify 90% of stillbirths and neonatal deaths, by country: 2017 and 2018**



<sup>†</sup> Includes late fetal losses at 22-23 weeks gestational age

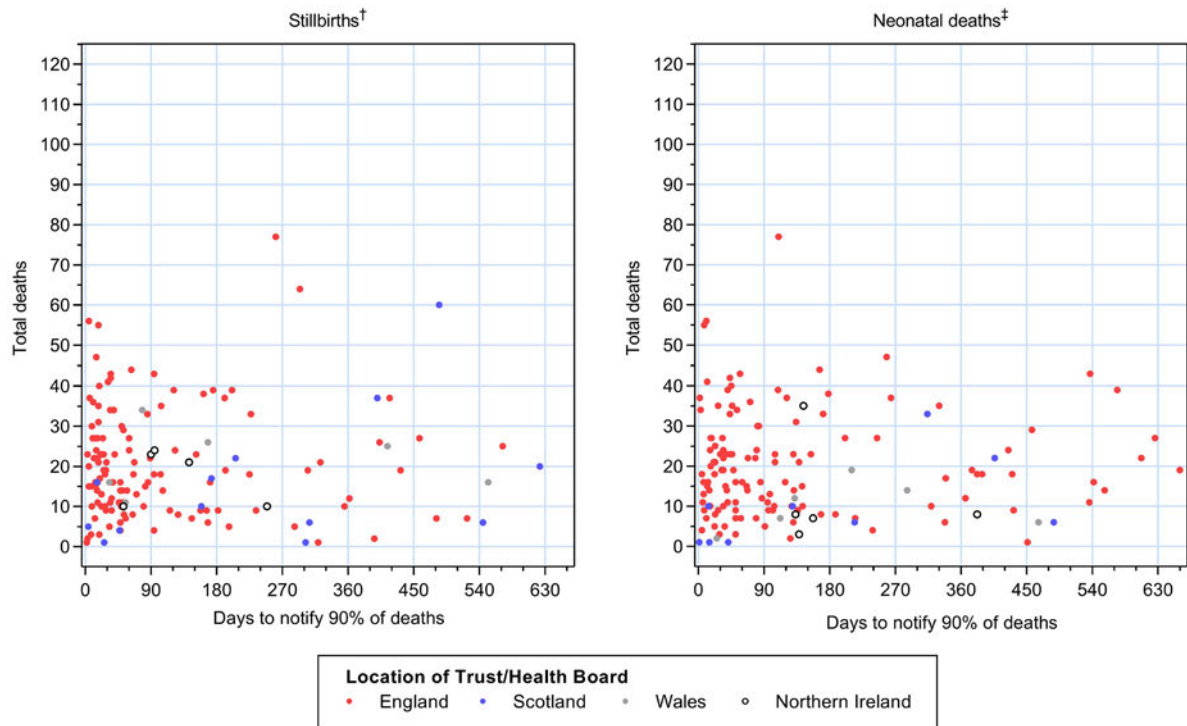
<sup>‡</sup> From 22<sup>+0</sup> weeks gestational age at delivery

Excluding terminations of pregnancy

Data source: MBRRACE-UK



**Figure 41: Number of days to notify 90% of stillbirths and neonatal deaths, by Trust and Health Board: 2018**



† Includes late fetal losses at 22-23 weeks gestational age

‡ From 22<sup>+</sup> weeks gestational age at delivery

Excluding terminations of pregnancy

Data source: MBRRACE-UK

## 8.2 Completeness of key data items

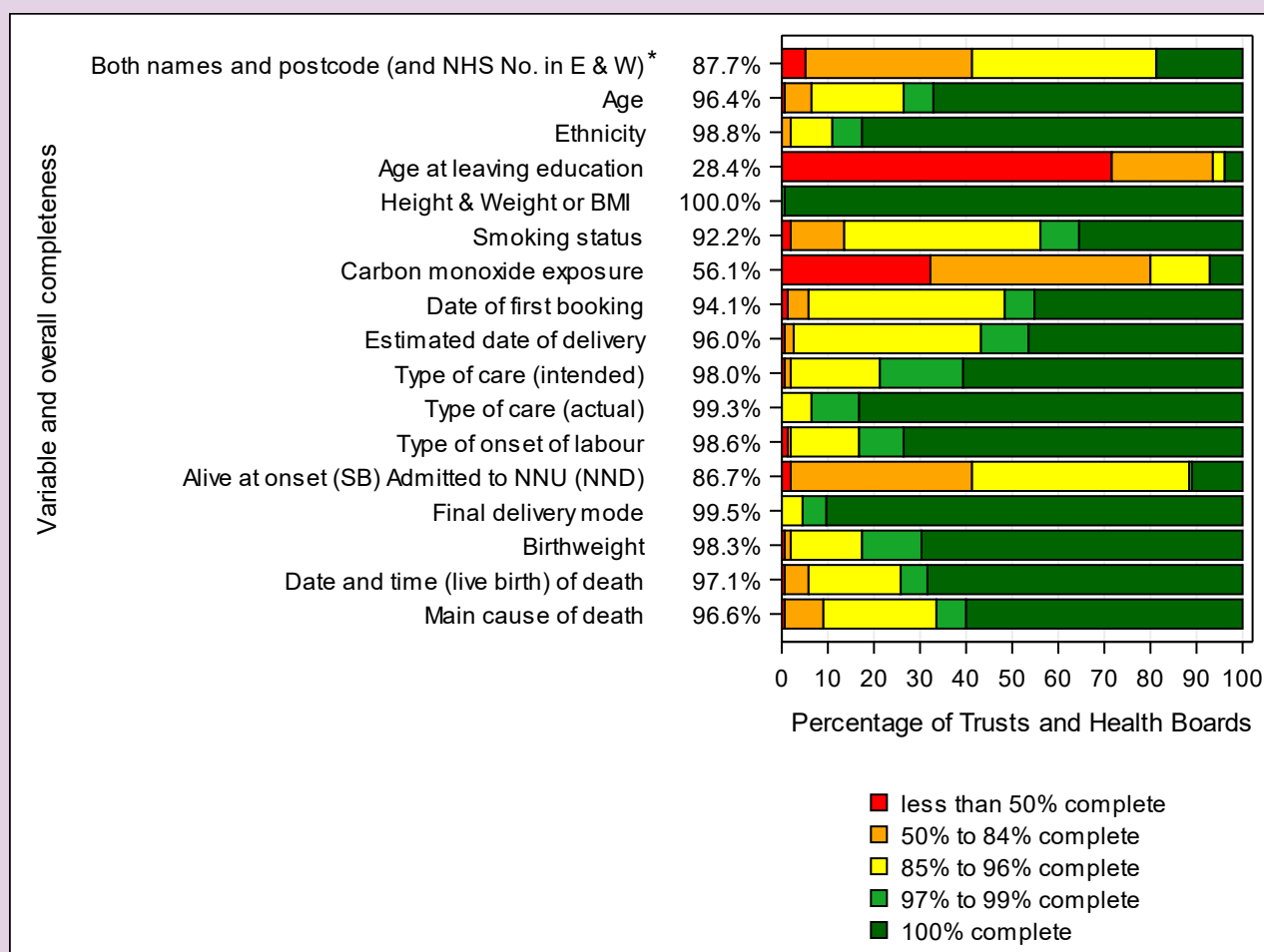
**Table 53: Level of completeness of data reported by Trusts and Health Boards (extended perinatal deaths): United Kingdom and Crown Dependencies, 2016 to 2018**

Data item	Overall completeness (%)		
	2016	2017	2018
Both names and postcode (and NHS no. in England & Wales)*	88	88 ↔	88 ↔
Age	100	100 ↔	96 ↘
Ethnicity	99	99 ↔	99 ↔
Age at leaving full-time education	25	28 ↗	28 ↔
Height & weight or BMI	100	100 ↔	100 ↔
Smoking status	93	93 ↔	92 ↘
Carbon monoxide exposure	43	47 ↗	56 ↗
Date of first booking	92	93 ↗	94 ↗
Estimated date of delivery	95	96 ↗	96 ↔
Type of care (intended)	98	99 ↗	98 ↘
Type of care (actual)	100	100 ↔	99 ↘
Type of onset of labour	99	99 ↔	99 ↔
Alive at onset of care (SB), Admitted to NNU (NND)	88	88 ↔	87 ↘
Final delivery mode	100	100 ↔	100 ↔
Birthweight	98	98 ↔	98 ↔
Date and time of death (NND)	100	100 ↔	97 ↘
Main cause of death	99	99 ↔	97 ↘
↗ Increase since previous year      ↔ No change since previous year      ↘ Decrease since previous year			

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

Data source: MBRRACE-UK

**Figure 42: Level of completeness of data reported by Trusts and Health Boards for extended perinatal deaths: United Kingdom and Crown Dependencies, for births in 2018**



\* 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 54, 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 delivery (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 delivery at booking; EDD.
4. Delivery and baby's characteristics for stillbirths: actual place of delivery; date and time of delivery; final delivery mode; type of onset of labour; birthweight; gestational age at delivery.
5. Delivery and baby's characteristics for neonatal deaths: actual place of delivery; date and time of delivery; final delivery mode; type of onset of labour; birthweight; gestational age at delivery.
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 the MBRRACE-UK benchmark of 30 days, and the number of days taken to notify 90% of deaths, by reporting Trust and Health Board.

**Table 54: 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 2018**

Trust or Health Board	Percentage of deaths notified within 30 days	Days to notify 90% of deaths	Mother's details	Booking information	Antenatal care	Delivery and baby's characteristics for stillbirths	Delivery and baby's characteristics for neonatal deaths	Baby's outcome
<b>ENGLAND</b>								
Airedale NHS Foundation Trust	28.6	168	85.7	85.7	100	100	*	85.7
Ashford and St Peter's Hospital NHS Foundation Trust	88.9	49	72.2	73.3	91.1	100	98.8	88.1
Barking, Havering and Redbridge University Hospitals NHS Trust	84.8	79	85.3	97.1	98.6	99.4	100	89.1
Barnsley Hospital NHS Foundation Trust	77.8	82	82.8	91.7	100	98.3	100	77.1
Barts Health NHS Trust	53.6	307	80.7	79.4	97.6	98.6	97.5	87.6
Basildon and Thurrock University Hospitals NHS Foundation Trust	92	27	69	84	93.3	98.6	90	77.3
Bedford Hospital NHS Trust	91.7	27	77.1	91.7	94.4	100	100	80.6
Birmingham Women's and Children's NHS Foundation Trust	82.2	100	77.3	81.7	96.9	100	96.9	93.3
Blackpool Teaching Hospitals NHS Foundation Trust	50	373	88.9	96.3	96.3	100	100	92.6
Bolton NHS Foundation Trust	81.8	34	75.8	76.8	97	100	97	90.9
Bradford Teaching Hospitals NHS Foundation Trust	95.2	13	72.2	94.2	94.2	100	98.5	85.7
Brighton and Sussex University Hospitals NHS Trust	97.3	13	75	71.2	96.4	100	100	92.8
Buckinghamshire Healthcare NHS Trust	71.4	79	84.5	90.5	96.8	100	100	93.7
Calderdale and Huddersfield NHS Foundation Trust	88.9	33	75	94.3	95.2	100	100	94.3
Cambridge University Hospitals NHS Foundation Trust	53.3	151	85.2	85.4	97.9	100	97.8	95.8
Chelsea and Westminster Hospital NHS Foundation Trust	77.4	62	70.7	78.1	95.3	96.4	98.8	84.4
Chesterfield Royal Hospital NHS Foundation Trust	100	19	81.3	83.3	100	100	*	75
Countess of Chester Hospital NHS Foundation Trust	83.3	48	75	100	100	100	*	94.4
County Durham and Darlington NHS Foundation Trust	84.6	52	68.3	84.6	92.3	100	100	92.3
Croydon Health Services NHS Trust	84.2	51	65.8	70.2	94.7	100	77.8	71.9
Dartford and Gravesham NHS Trust	94.7	23	97.4	100	98.2	100	100	93
Doncaster and Bassetlaw Hospitals NHS Foundation Trust	73.9	66	94.6	94.2	95.7	98.8	100	95.7
Dorset County Hospital NHS Foundation Trust	0	94	81.3	83.3	100	100	*	66.7
East and North Hertfordshire NHS Trust	95.8	19	80.2	91.7	100	100	100	91.7
East Cheshire NHS Trust	80	287	70	100	100	100	*	73.3

Trust or Health Board	Percentage of deaths notified within 30 days	Days to notify 90% of deaths	Mother's details	Booking information	Antenatal care	Delivery and baby's characteristics for stillbirths	Delivery and baby's characteristics for neonatal deaths	Baby's outcome
East Kent Hospitals University NHS Foundation Trust	95.5	13	86.9	93.2	97	98.7	98.5	93.9
East Lancashire Hospitals NHS Trust	85.7	36	70.2	89.9	96.3	98.4	100	86.2
East Suffolk and North Essex NHS Foundation Trust	81	34	82.7	89.7	99.1	100	100	90.6
East Sussex Healthcare NHS Trust	73.3	492	75	90.5	97.6	100	100	88.1
Epsom and St Helier University Hospitals NHS Trust	56	362	80.2	63.9	90.3	97.9	100	87.5
Frimley Health NHS Foundation Trust	30.8	175	77.5	93.5	98.7	98.9	100	78.4
Gateshead Health NHS Foundation Trust	66.7	116	75	77.8	92.6	100	*	92.6
George Eliot Hospital NHS Trust	40	523	79.2	100	100	100	100	91.7
Gloucestershire Hospitals NHS Foundation Trust	93.8	15	79.7	83.3	96.9	99.2	100	93.8
Great Western Hospitals NHS Foundation Trust	50	57	68.8	91.7	100	100	100	81.3
Guy's and St Thomas' NHS Foundation Trust	79.5	65	71.7	70.7	94.2	100	98.8	90.7
Hampshire Hospitals NHS Foundation Trust	33.3	106	76.4	85.2	100	100	100	85.2
Harrogate and District NHS Foundation Trust	80	48	85	73.3	100	100	100	80
Homerton University Hospital NHS Foundation Trust	100	12	73.1	88.9	97.4	100	100	94
Hull University Teaching Hospitals NHS Trust	75	134	81.6	84.2	89.5	99.1	100	87.7
Imperial College Healthcare NHS Trust	84.1	42	77	71.5	92.9	98.2	100	91
Isle of Wight NHS Trust	100	2	75	100	100	100	*	100
James Paget University Hospitals NHS Foundation Trust	100	26	96.2	66.7	97.4	100	100	94.9
Kettering General Hospital NHS Foundation Trust	100	5	89.7	96.1	94.1	96.7	100	74.5
King's College Hospital NHS Foundation Trust	21.8	168	72.3	84.5	95.8	99.5	98.8	91.7
Kingston Hospital NHS Foundation Trust	40	48	86.8	63.2	100	100	100	91.2
Lancashire Teaching Hospitals NHS Foundation Trust	100	12	81.5	84	100	100	100	92.6
Lewisham and Greenwich NHS trust	29.8	375	60.9	82.6	95.8	97.6	100	76.4
Liverpool Women's NHS Foundation Trust	63.4	97	74.4	80.5	94.4	99.5	100	97
London North West University Healthcare NHS Trust	59.3	403	65.7	66.7	100	100	100	75.3
Luton and Dunstable University Hospital NHS Foundation Trust	81.3	43	72.9	80.9	96.5	99.4	100	92.9
Maidstone and Tunbridge Wells NHS Trust	90	15	70	70	100	100	*	90
Manchester University NHS Foundation Trust	37.1	283	75	68.4	96.9	99.4	100	87.6
Medway NHS Foundation Trust	20.7	322	80.2	82.8	95.4	100	100	89.7

Trust or Health Board	Percentage of deaths notified within 30 days	Days to notify 90% of deaths	Mother's details	Booking information	Antenatal care	Delivery and baby's characteristics for stillbirths	Delivery and baby's characteristics for neonatal deaths	Baby's outcome
Mid Cheshire Hospitals NHS Foundation Trust	53.8	72	76.9	94.9	100	98.1	100	89.7
Mid Essex Hospital Services NHS Trust	100	19	80.4	78.3	100	100	100	88.4
Milton Keynes University Hospital NHS Foundation Trust	87.5	50	70.3	81.3	91.7	98.1	*	91.7
Norfolk and Norwich University Hospitals NHS Foundation Trust	66.7	319	89	80.4	96.1	100	95.5	97.1
North Bristol NHS Trust	81.8	40	82	81.3	96.9	99.2	100	91.7
North Cumbria Integrated Care NHS Foundation Trust	0	234	65.4	61.5	97.4	98.1	94.4	87.2
North Middlesex University Hospital NHS Trust	68.6	63	75.7	69.5	96.2	99.3	100	85.7
North Tees and Hartlepool NHS Foundation Trust	80	38	75	93.3	100	100	100	73.3
North West Anglia NHS Foundation Trust	93.3	21	78.3	87.8	96.7	100	100	93.3
Northampton General Hospital NHS Trust	50	102	84.6	85.9	100	99.1	100	88.5
Northern Devon Healthcare NHS Trust	100	8	83.3	88.9	100	100	*	77.8
Northern Lincolnshire and Goole Hospitals NHS Foundation Trust	50	432	69	95.2	100	100	100	85.7
Northumbria Healthcare NHS Foundation Trust	41.2	199	79.7	91.7	100	100	*	83.3
Nottingham University Hospitals NHS Trust	66	212	75.5	79.1	97.4	98.6	100	85
Oxford University Hospitals NHS Trust	77.9	110	79.4	74.5	96.6	100	99.3	94.6
Poole Hospital NHS Foundation Trust	100	13	85	90	100	100	100	96.7
Portsmouth Hospitals NHS Trust	87.1	33	90.3	89.2	100	100	100	84.9
RAF Lakenheath (48th Medical Group)	0	319	50	66.7	66.7	83.3	*	100
Royal Berkshire NHS Foundation Trust	81.8	38	80.7	72.7	100	100	100	90.9
Royal Cornwall Hospitals NHS Trust	96.3	13	90.4	91	100	100	100	91
Royal Devon and Exeter NHS Foundation Trust	85.7	37	80	96.7	98.3	100	100	90
Royal Free London NHS Foundation Trust	69.2	70	76.9	65.4	100	100	100	93.6
Royal Surrey County Hospital NHS Foundation Trust	64.3	53	68.8	55.6	100	100	100	83.3
Royal United Hospitals Bath NHS Foundation Trust	95	13	85	88.3	98.3	100	100	90
Salisbury NHS Foundation Trust	62.5	55	71.9	95.8	95.8	100	*	95.8
Sandwell and West Birmingham Hospitals NHS Trust	82.4	33	83.8	92.2	100	100	97.9	86.3
Sheffield Teaching Hospitals NHS Foundation Trust	72.3	53	75	73.2	97	99.5	100	94.9
Sherwood Forest Hospitals NHS Foundation Trust	58.3	55	68.8	88.9	100	100	100	88.9
South Tees Hospitals NHS Foundation Trust	40	168	73.4	88.2	93.5	100	97.9	93.5

Trust or Health Board	Percentage of deaths notified within 30 days	Days to notify 90% of deaths	Mother's details	Booking information	Antenatal care	Delivery and baby's characteristics for stillbirths	Delivery and baby's characteristics for neonatal deaths	Baby's outcome
South Tyneside and Sunderland NHS Foundation Trust	60	225	72.9	83.3	94.4	100	100	95.8
South Warwickshire NHS Foundation Trust	14.3	146	60.7	85.7	100	100	*	57.1
Southend University Hospital NHS Foundation Trust	86.7	52	93.3	88.9	95.6	100	100	91.1
Southport & Ormskirk Hospital NHS Trust	71.4	34	78.6	90.5	100	100	100	100
St George's University Hospitals NHS Foundation Trust	67.3	82	75.5	79.3	91.3	100	100	89.3
St Helens and Knowsley Teaching Hospitals NHS Trust	100	5	83.8	93.3	95	99.2	*	96.7
Stockport NHS Foundation Trust	23.1	126	88.5	94.9	100	100	100	82.1
Surrey and Sussex Healthcare NHS Trust	61.5	91	75	66.7	100	100	100	82.1
Tameside and Glossop Integrated Care NHS Foundation Trust	63.6	355	56.8	93.9	100	100	*	63.6
Taunton and Somerset NHS Foundation Trust	94.4	22	84.7	92.6	94.4	100	100	85.2
The Dudley Group NHS Foundation Trust	100	20	75	91.7	95.8	98.8	100	90.3
The Hillingdon Hospitals NHS Foundation Trust	89.7	24	75.9	65.5	98.9	100	100	94.3
The Leeds Teaching Hospitals NHS Trust	58.8	113	77.6	79.6	86.4	100	97.6	91.5
The Mid Yorkshire Hospitals NHS Trust	20	225	68.6	94	97.4	99.4	100	89.7
The Newcastle upon Tyne Hospitals NHS Foundation Trust	21.7	245	72.4	76	95.1	98.8	100	92.2
The Pennine Acute Hospitals NHS Trust	36.2	201	84.6	78	98.6	98.5	100	88.7
The Portland Hospital for Women and Children	0	396	91.7	88.9	100	100	100	100
The Princess Alexandra Hospital NHS Trust	75	46	75	83.3	100	100	100	95.8
The Queen Elizabeth Hospital King's Lynn NHS Foundation Trust	84.6	36	72.7	69.7	87.9	100	100	81.8
The Rotherham NHS Foundation Trust	93.3	25	91.1	95.2	100	100	100	85.7
The Royal Wolverhampton NHS Trust	76.4	42	78.7	87.7	98.1	100	100	93.8
The Shrewsbury and Telford Hospital NHS Trust	100	5	70.5	98.8	100	100	100	85.7
Torbay and South Devon NHS Foundation Trust	83.3	38	81.3	86.1	100	100	100	83.3
United Lincolnshire Hospitals NHS Trust	53.6	123	73.2	85.7	94	99.2	100	83.3
University College London Hospitals NHS Foundation Trust	98.1	18	72.6	85.5	97.5	99.3	100	86.2
University Hospital Southampton NHS Foundation Trust	89.6	25	88.5	72	96	100	98.5	96.7
University Hospitals Birmingham NHS Foundation Trust	94.2	21	80.8	90.7	98.4	99.2	98.9	92.6
University Hospitals Bristol NHS Foundation Trust	67.6	62	76.3	84.6	94.7	99	99.5	94.7
University Hospitals Coventry and Warwickshire NHS Trust	85.3	211	83.8	78.4	96.1	100	90.5	83.3



Trust or Health Board	Percentage of deaths notified within 30 days	Days to notify 90% of deaths	Mother's details	Booking information	Antenatal care	Delivery and baby's characteristics for stillbirths	Delivery and baby's characteristics for neonatal deaths	Baby's outcome
University Hospitals of Derby and Burton NHS Foundation Trust	92.7	20	75	92	96.9	98.9	100	88.9
University Hospitals of Leicester NHS Trust	74.7	43	76.3	73.7	96.1	100	98.6	92.5
University Hospitals of Morecambe Bay NHS Foundation Trust	100	18	69.4	92.6	100	100	100	83.3
University Hospitals of North Midlands NHS Trust	88.7	43	91.2	92	96.9	100	100	92
University Hospitals Plymouth NHS Trust	56	103	76.9	83.3	97.4	100	100	91
Walsall Healthcare NHS Trust	21.4	152	77.7	91.7	98.8	100	96.7	85.7
Warrington and Halton Hospitals NHS Foundation Trust	75	57	92.2	89.6	97.9	100	100	100
West Hertfordshire Hospitals NHS Trust	67.9	60	76.8	82.1	98.8	100	100	91.7
West Suffolk NHS Foundation Trust	28.6	197	75	95.2	100	100	100	100
Western Sussex Hospitals NHS Foundation Trust	65.2	79	67.4	63.8	91.3	97.2	91.7	79.7
Whittington Health	90.5	16	75	96.7	96.7	98.7	100	95
Wirral University Teaching Hospital NHS Foundation Trust	60	149	82.8	79.3	92	98.3	100	96.6
Worcestershire Acute Hospitals NHS Trust	69.6	67	86	88	96	99	100	88
Wrightington, Wigan and Leigh NHS Foundation Trust	78.6	333	83.9	78.6	100	100	100	95.2
Wye Valley NHS Trust	87.5	131	83.3	100	100	100	*	88.9
Yeovil District Hospital NHS Foundation Trust	55.6	481	77.8	92.6	100	97.2	100	88.9
York Teaching Hospital NHS Foundation Trust	50	114	91.7	100	100	100	100	86.1
<b>Scotland</b>								
NHS Ayrshire & Arran	54.5	159	90.9	100	100	100	100	87.9
NHS Borders	25	47	62.5	100	100	100	*	75
NHS Dumfries & Galloway	16.7	307	75	72.2	88.9	100	*	77.8
NHS Fife	13	173	76.1	91.3	97.1	100	100	92.8
NHS Forth Valley	28.6	545	75	100	100	100	*	77.8
NHS Grampian	53.6	242	79.5	84.5	98.8	100	100	90.5
NHS Greater Glasgow and Clyde	20.4	484	76.3	86	92.6	99.3	97.5	88.8
NHS Highland	100	4	79.2	66.7	100	100	100	77.8
NHS Lanarkshire	100	16	75	84.6	100	100	100	71.8
NHS Lothian	8.5	406	72.1	90.6	96.1	98.5	100	85.6
NHS Orkney	**	**	**	**	**	**	**	**

Trust or Health Board	Percentage of deaths notified within 30 days	Days to notify 90% of deaths	Mother's details	Booking information	Antenatal care	Delivery and baby's characteristics for stillbirths	Delivery and baby's characteristics for neonatal deaths	Baby's outcome
NHS Shetland	0	302	50	66.7	0	50	*	66.7
NHS Tayside	0	302	75	76.7	83.3	85.7	100	75.6
NHS Western Isles	70	563	100	100	100	*	*	33.3
<b>Wales</b>								
Aneurin Bevan University Health Board	50	80	68.2	67.6	93.7	97	90	83.8
Betsi Cadwaladr University Health Board	63.2	168	75	71.1	95.6	100	100	100
Cardiff and Vale University Health Board	70	124	71	92.5	95.7	100	100	88.2
Cwm Taf Morgannwg University Health Board	38.7	414	73.6	88.9	100	100	100	94.4
Hywel Dda University Health Board	88.9	33	73.9	76.8	91.3	96.7	100	94.2
Swansea Bay University Health Board	43.5	516	68.2	67.6	93.7	97	90	83.8
<b>Northern Ireland</b>								
Belfast Health and Social Care Trust	46.6	134	87.9	80.5	92	98.2	99.4	93.7
Northern Health and Social Care Trust	76.5	83	88.2	80.4	94.1	100	100	88.2
South Eastern Health and Social Care Trust	16.7	367	91.7	96.3	100	100	100	100
Southern Health and Social Care Trust	65.6	95	93.8	84.4	93.8	99.2	100	95.8
Western Health and Social Care Trust	41.7	142	85.4	76.4	95.8	98.3	100	95.8
<b>Crown Dependencies</b>								
States of Guernsey Health & Social Services	100	0	50	66.7	100	*	*	33.3
States of Jersey Health & Social Services	100	3	50	66.7	100	100	*	66.7

\* no stillbirths or neonatal deaths reported by this organisation

\*\* no eligible deaths were reported by this organisation

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