SUPPORTING INFORMATION

Supplementary Table 1: Definition of the data items extracted from the National Neonatal Research Database.

Variable	Data Items
Demographics	
Gestational age	• Data was extracted from "GESTATIONDAYS" and "GESTATIONWEEKS" variables in the "EPISODES" dataset. • Continuous in days
Birth weight z score	**Definition**: Birth weight z score derived from UK-WHO growth chart[1]. • Data was extracted from "BIRTHWEIGHT", "GESTATIONDAYS", "GESTATIONWEEKS" and "SEX" variables in the "EPISODES" dataset. • Continuous
Birth year	• Data extracted from the "BIRTHYEAR" variable in the "EPISODES" dataset. • Continuous
Sex	• Data was extracted from the "GENDER" variable in the "EPISODES" dataset. • Dichotomous (Male/Female)
Obstetric practice	
Complete course of maternal antenatal corticosteroids	**Definition**: Two doses of maternal antenatal corticosteroids (ANC) received before birth. The timing and dose of ANC were not available. • Data was extracted from the "STEROIDSANTENATALCOURSES" variable in the "EPISODES" dataset. • Dichotomous (Yes/No)
Mode of birth	• Data extracted from the "MODEOFDELIVERY" variable in the "EPISODES" dataset. • Dichotomous (Vaginal birth/Caesarean section)
Born in a centre with co-located neonatal intensive care unit	**Definition**: Infant born in a maternity centre with a co-located neonatal intensive care unit. • Data was extracted from the "POBNDAUCODE" variable in the "EPISODES" dataset and the "UNITLEVEL" variable in the "UNITLEVELSANDNDAUCODES" dataset • Dichotomous (Yes/No)
Neonatal outcome	
Death	**Definition**: Death before discharge from the neonatal unit. • Data was extracted from "DATEOFDEATH" and "DISCHARGEDESTINATION" variables from the "EPISODES" dataset. • Dichotomous (Yes/No)
Moderate/severe bronchopulmonary dysplasia	**Definition**: Grade 2 and 3 bronchopulmonary dysplasia (BPD) based on Jensen 2019 definition[2]. This is non-invasive (including high flow) and invasive ventilation requirement at 36 weeks corrected gestational age (CGA) or at discharge (if discharged before 36 weeks CGA)[2]. Infants who died before discharge were excluded from the denominator.

	• Data was extracted from "RESPIRATORYSUPPORT", "ADDEDO2", "VENTILATIONMODE" and "NONINVASIVERESPIRATORYSUPPORT" variables from the "DAILY" dataset over a three-day period at 36 weeks CGA or at discharge. • Dichotomous (Yes/No)
Respiratory support at discharge	**Definition**: Respiratory support or oxygen requirement at discharge in survivors to discharge. • Data was extracted from "RESPIRATORYSUPPORT", "ADDEDO2", "VENTILATIONMODE" and "NONINVASIVERESPIRATORYSUPPORT" variables from the "DAILY" dataset at discharge. • Dichotomous (Yes/No)

References

1. Royal College of Paediatrics and Child Health. UK-WHO growth charts - neonatal and infant close monitoring (NICM). https://www.rcpch.ac.uk/resources/uk-who-growth-charts-neonatal-infant-close-monitoring-nicm. Date last accessed: March 01 2021.
2. Jensen EA, Dysart K, Gantz MG, et al. The Diagnosis of Bronchopulmonary Dysplasia in Very Preterm Infants An Evidence-based Approach. *American Journal of Respiratory and Critical Care Medicine* 2019;200(6):751-59. doi: 10.1164/rccm.201812-2348OC

Supplementary Table 2: The proportion of infants admitted for neonatal care stratified by gestational age at birth in weeks and birth year epochs for infants in the (A) overall cohort; (B) born in a maternity centre with a co-located neonatal intensive care unit (NICU); (C) caesarean birth.

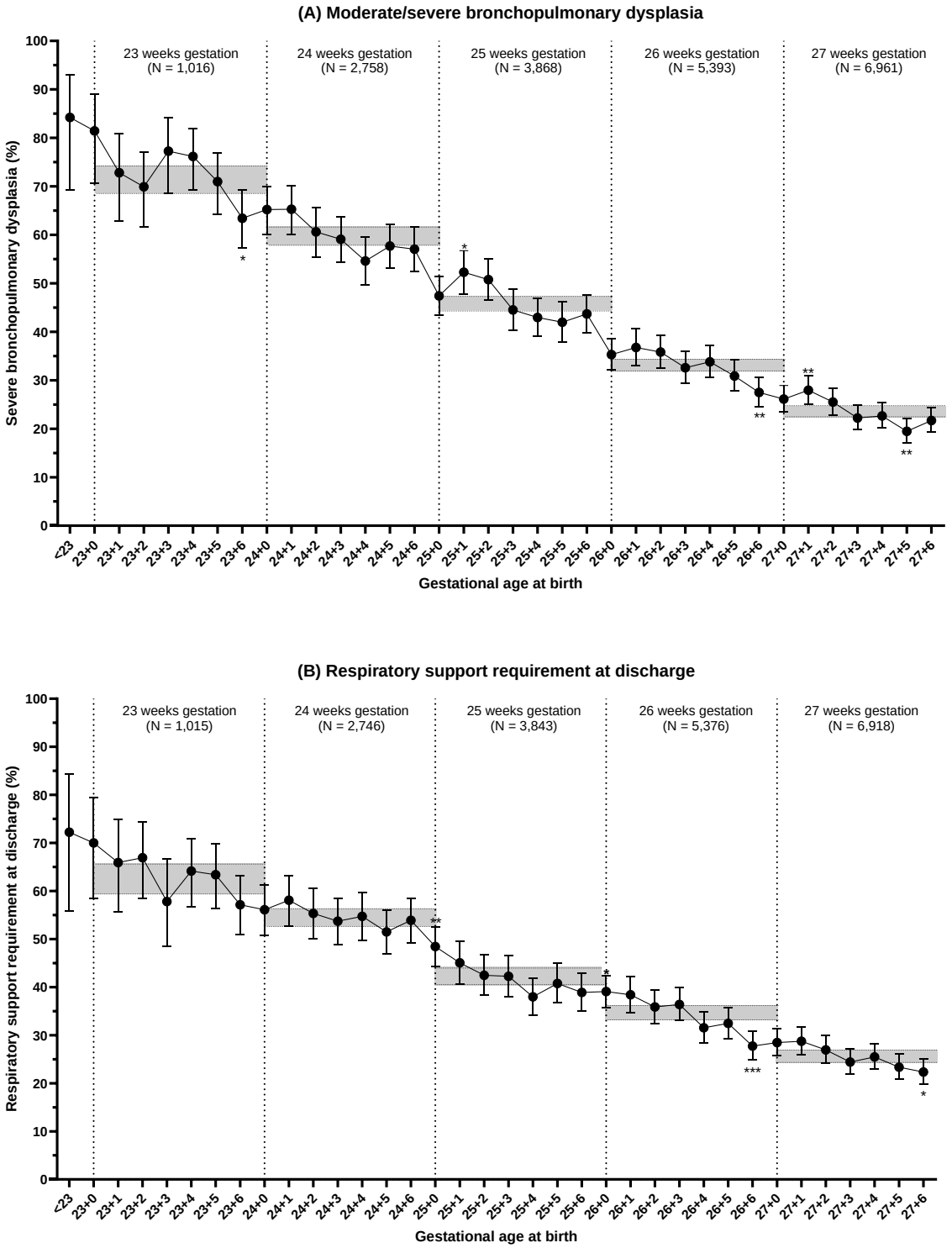
Gestation	(A) Overall cohort (N = 26,098)				(B) Born in a centre with a NICU[1] (N = 18,177)				(C) Born by caesarean section[1] (N = 10,279)			
	2012 – 2014	2015 – 2017	2018 – 2020	p-value for trend	2012 – 2014	2015 – 2017	2018 – 2020	p-value for trend	2012 – 2014	2015 – 2017	2018 – 2020	p-value for trend
<23 weeks	38 (0.5%)	38 (0.5%)	88 (1.3%)	p<0.001	30 (79.0%)	30 (79.0%)	79 (89.8%)	p<0.001	0 (0%)	2 (5.3%)	5 (5.7%)	p = 0.06
23 weeks	625 (8.5%)	665 (9.1%)	701 (10.6%)	p<0.001	447 (71.5%)	528 (79.4%)	546 (77.9%)	p<0.001	32 (5.1%)	37 (5.6%)	64 (9.1%)	p<0.001
24 weeks	1,213 (16.5%)	1,257 (17.1%)	1,041 (15.8%)	p = 0.3	876 (72.2%)	940 (74.8%)	811 (77.9%)	p<0.001	209 (17.2%)	275 (21.9%)	245 (23.5%)	p<0.001
25 weeks	1,432 (19.5%)	1,406 (19.1%)	1,261 (19.2%)	p = 0.4	1,011 (70.6%)	1,037 (73.8%)	1,007 (79.9%)	p<0.001	445 (31.1%)	478 (34.0%)	455 (36.1%)	p<0.001
26 weeks	1,837 (25.0%)	1,722 (23.4%)	1,615 (24.5%)	p = 0.02	1,271 (69.2%)	1,268 (73.6%)	1,270 (78.6%)	p<0.001	878 (47.8%)	814 (47.3%)	881 (54.6%)	p<0.001
27 weeks	2,192 (29.9%)	2,256 (30.7%)	1878 (28.5%)	p = 0.02	1,328 (60.6%)	1,403 (62.2%)	1,246 (66.4%)	p<0.001	1,257 (57.3%)	1,306 (57.9%)	1,164 (62.0%)	p<0.001
Overall	**7,337**	**7,344**	**6,584**		**4,963**	**5,206**	**4,959**		**2,821**	**2,912**	**2,814**	

[1] The denominator was the number of infants born at the respective gestational week and admitted to neonatal care for each birth year epoch (i.e. the corresponding cells in the (A) overall cohort).

Supplementary Table 3: Mode of birth with the 95% confidence interval (CI) stratified by each day of gestation at birth for the overall cohort of 25,721 infants.

Gestation	Vaginal birth % (95% CI)	Caesarean section % (95% CI)	Missing % (95% CI)	Total number of infants
<23+0	80% (74% - 85%)	4% (2% - 7%)	16% (12% - 22%)	194
23+0	90% (85% - 93%)	2% (1% - 5%)	8% (5% - 12%)	228
23+1	89% (84% - 92%)	5% (3% - 8%)	6% (4% - 10%)	246
23+2	90% (86% - 93%)	4% (2% - 7%)	5% (3% - 9%)	279
23+3	91% (87% - 94%)	6% (4% - 9%)	3% (2% - 6%)	289
23+4	87% (84% - 90%)	6% (4% - 9%)	6% (4% - 9%)	406
23+5	88% (84% - 90%)	7% (5% - 10%)	5% (3% - 7%)	428
23+6	87% (84% - 90%)	9% (6% - 12%)	4% (3% - 6%)	454
24+0	83% (80% - 86%)	13% (10% - 15%)	4% (3% - 6%)	605
24+1	79% (76% - 83%)	17% (14% - 20%)	4% (2% - 5%)	563
24+2	77% (74% - 81%)	18% (15% - 21%)	5% (3% - 7%)	554
24+3	76% (73% - 79%)	20% (17% - 23%)	4% (3% - 6%)	635
24+4	72% (68% - 76%)	22% (19% - 26%)	5% (4% - 8%)	609
24+5	74% (71% - 77%)	23% (20% - 26%)	3% (2% - 4%)	683
24+6	72% (68% - 75%)	25% (22% - 28%)	4% (2% - 5%)	626
25+0	69% (65% - 72%)	27% (24% - 30%)	4% (3% - 6%)	767
25+1	64% (60% - 67%)	31% (27% - 34%)	6% (4% - 8%)	645
25+2	65% (62% - 69%)	31% (28% - 35%)	4% (2% - 5%)	687
25+3	60% (57% - 64%)	35% (31% - 38%)	5% (3% - 7%)	673
25+4	65% (62% - 69%)	30% (27% - 34%)	4% (3% - 6%)	745
25+5	61% (58% - 65%)	35% (32% - 39%)	3% (2% - 5%)	681
25+6	56% (52% - 60%)	41% (37% - 44%)	3% (2% - 5%)	716
26+0	54% (51% - 57%)	43% (40% - 46%)	3% (2% - 4%)	1005
26+1	48% (44% - 51%)	49% (45% - 52%)	4% (2% - 5%)	753
26+2	45% (41% - 48%)	52% (48% - 55%)	4% (3% - 5%)	874
26+3	48% (45% - 51%)	47% (44% - 51%)	5% (3% - 6%)	902
26+4	48% (44% - 51%)	49% (46% - 52%)	3% (2% - 5%)	892
26+5	44% (41% - 48%)	51% (48% - 54%)	5% (3% - 6%)	926
26+6	44% (41% - 47%)	50% (47% - 53%)	6% (4% - 7%)	974
27+0	42% (39% - 45%)	53% (50% - 56%)	4% (3% - 6%)	1134
27+1	36% (33% - 39%)	59% (56% - 62%)	5% (4% - 7%)	1028
27+2	37% (34% - 40%)	58% (55% - 61%)	6% (4% - 7%)	1037
27+3	38% (35% - 41%)	58% (56% - 61%)	4% (3% - 5%)	1137
27+4	35% (32% - 38%)	60% (57% - 62%)	5% (4% - 7%)	1122
27+5	34% (31% - 37%)	62% (59% - 65%)	4% (3% - 6%)	1085
27+6	36% (34% - 39%)	59% (56% - 62%)	5% (4% - 6%)	1139

Supplementary Figure 1: The proportion of infants born <28 weeks who survived to discharge developing (A) moderate/severe bronchopulmonary dysplasia (N=20,034) and (B) respiratory support requirement at discharge (N=19,934) with 95% confidence interval stratified by gestational day. The shaded area depicts the 95% confidence interval of the overall respiratory outcomes for each gestational week.

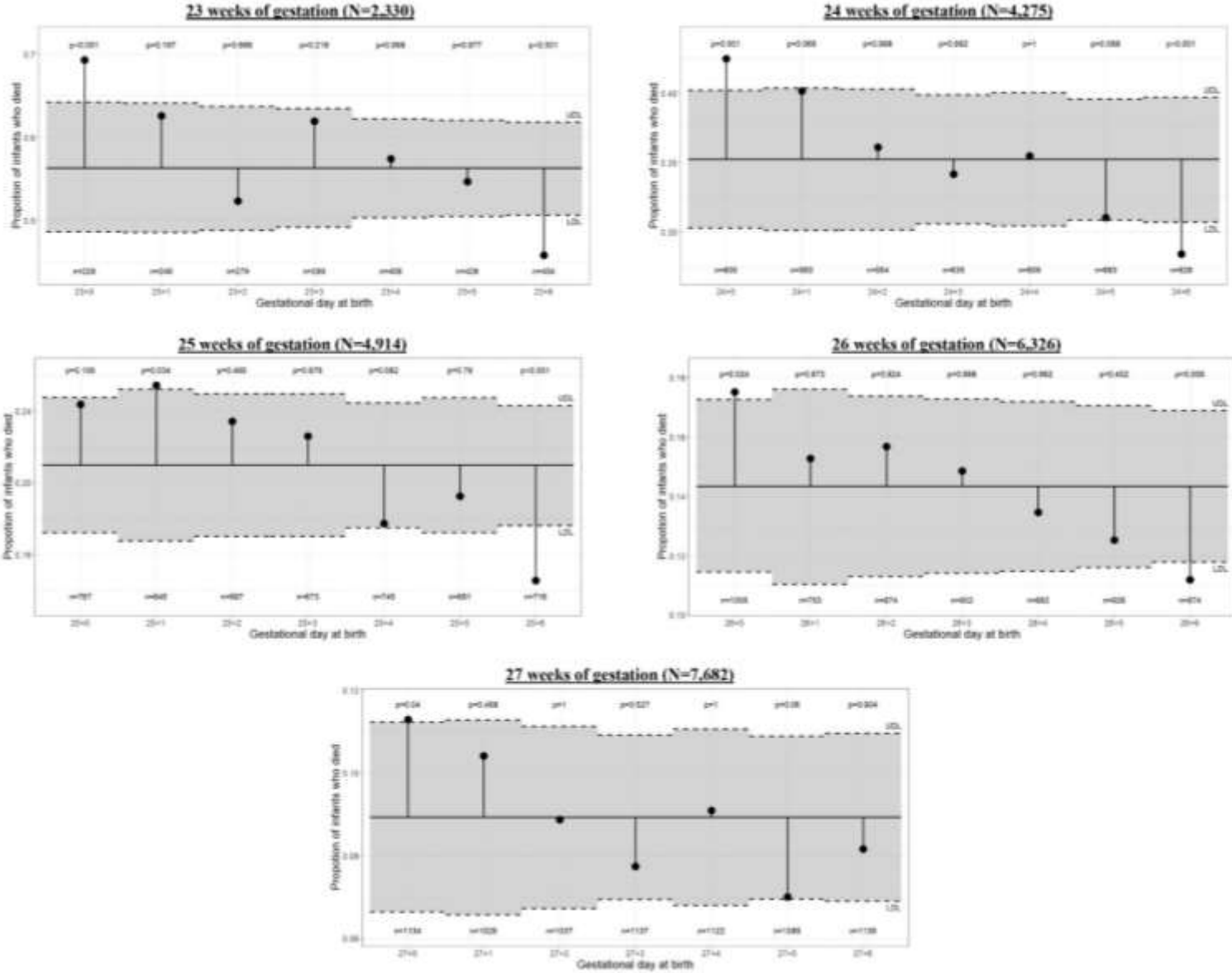


Supplementary Figure 2: Analysis of means decision chart for the three neonatal outcomes of (A) death before neonatal discharge (N=25,721), (B) moderate/severe

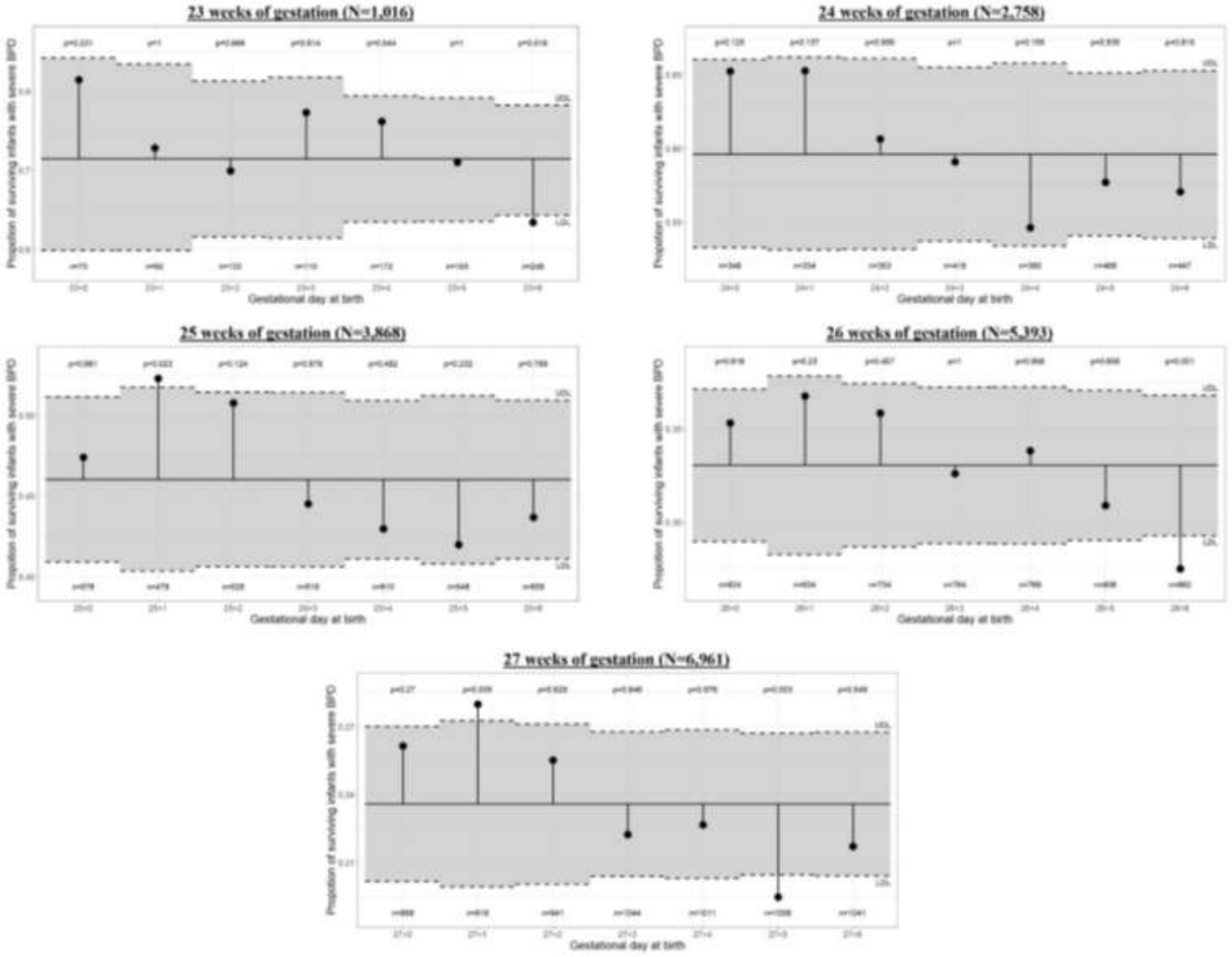
bronchopulmonary dysplasia (N=20,034) and (C) respiratory support requirement at discharge (N=19,934) in infants born <28 weeks gestation.

The analysis of means performed assessed if the proportion of infants who developed each of the respective three neonatal outcomes differed between each of the gestational days at birth with the overall proportion for the respective gestational week

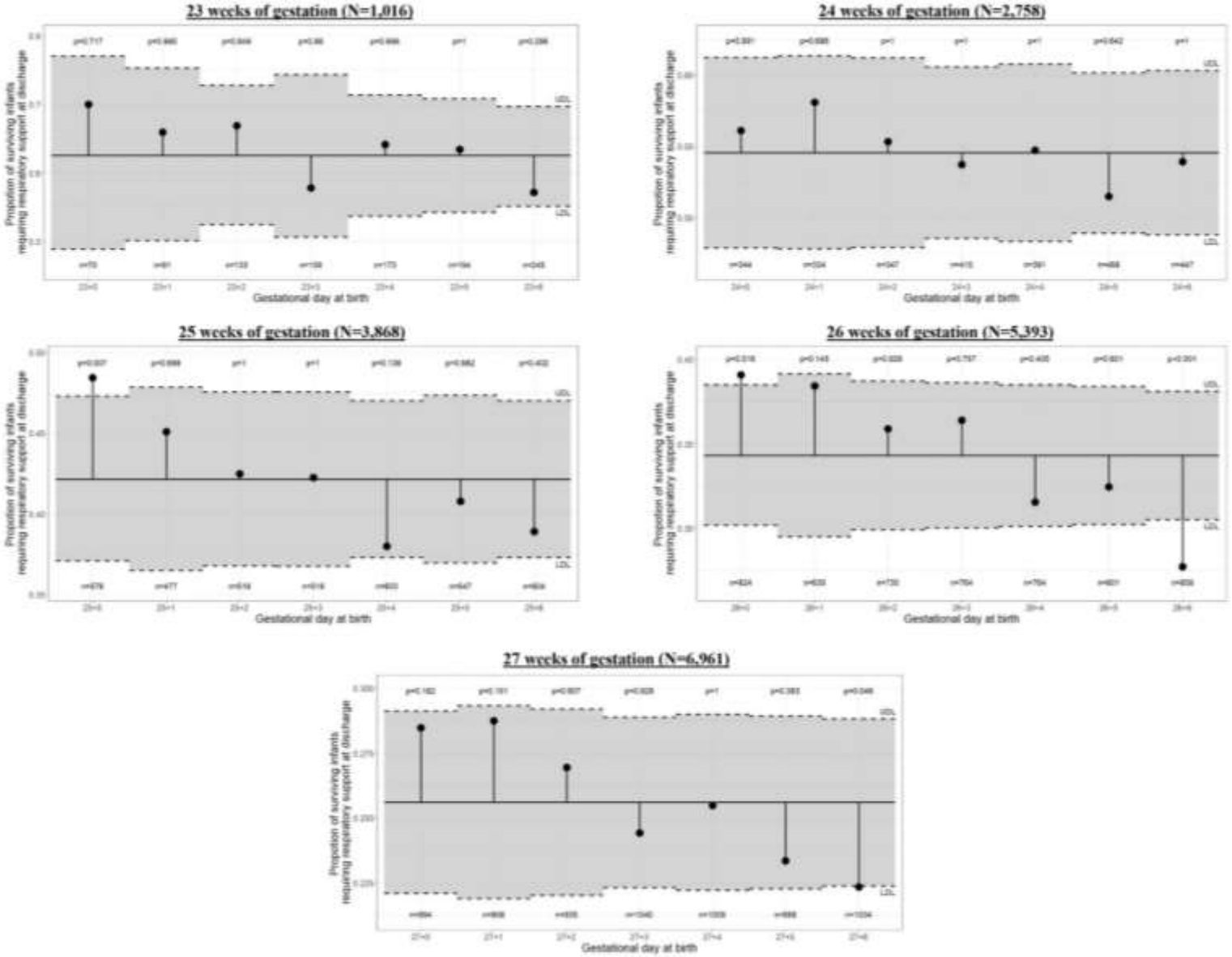
(A) Death before neonatal discharge



(B) Moderate/severe bronchopulmonary dysplasia in survivors to discharge



(C) Respiratory support requirement at discharge in survivor to discharge



Supplementary Table 4: The number of infants alongside the proportion of infants developing (A) moderate/severe bronchopulmonary (BPD) and (B) respiratory support requirement at discharge with the 95% confidence interval (CI) stratified by each day of gestation at birth and gestational week at birth. Only infants who survived to discharge were included. The number of infants for each gestational week at birth does not match the total number of infants for the corresponding gestational days at birth as the gestational day data was missing for some infants.

N = total number of infants.

[1] Analysis of means assessing if the proportion of infants born on each gestational day differs from the overall proportion of infants born for the respective gestational week.

(A) Moderate/severe bronchopulmonary dysplasia in infants who survived to discharge

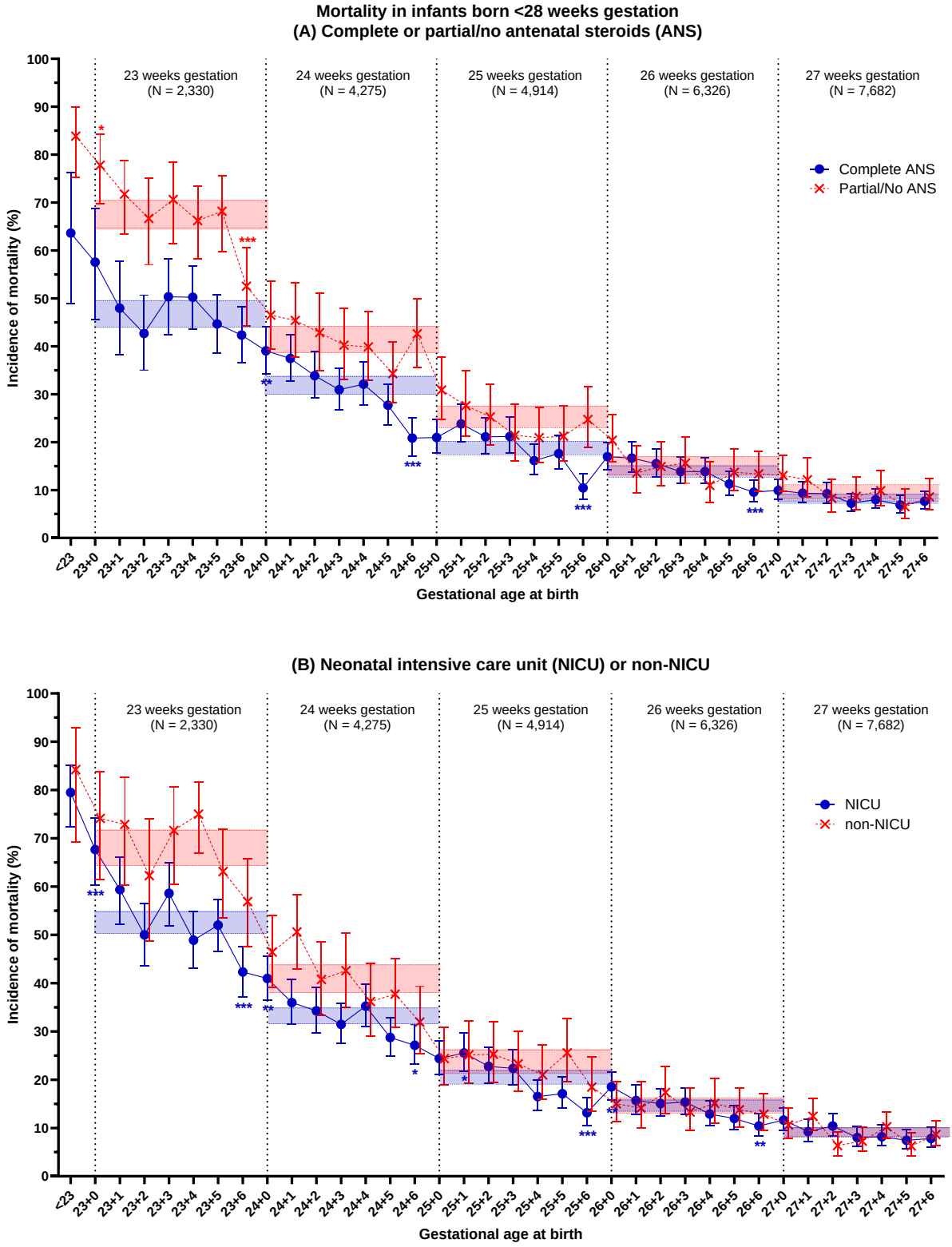
Gestation	Gestational day			Gestational week	
	Number of infants	Moderate/severe BPD (95% CI)	p-value[1]	Number of infants, n/N	Moderate/severe BPD (95% CI)
<23+0	32	84% (69% - 93%)		N/A	N/A
23+0	57	81% (71% - 89%)	0.2		
23+1	67	73% (63% - 81%)	1		
23+2	93	70% (62% - 77%)	1		
23+3	85	77% (69% - 84%)	0.6	727/1017	71% (69% - 74%)
23+4	131	76% (69% - 82%)	0.5		
23+5	137	71% (64% - 77%)	1		
23+6	156	63% (57% - 69%)	0.02		
24+0	227	65% (60% - 70%)	0.1		
24+1	218	65% (60% - 70%)	0.1		
24+2	214	61% (55% - 66%)	1		
24+3	247	59% (54% - 64%)	1	1659/2778	60% (58% - 62%)
24+4	213	55% (50% - 59%)	0.2		
24+5	270	58% (53% - 62%)	0.9		
24+6	255	57% (52% - 62%)	0.8		
25+0	274	47% (43% - 51%)	1		
25+1	250	52% (48% - 57%)	0.02		
25+2	267	51% (46% - 55%)	0.1		
25+3	231	45% (40% - 49%)	1	1795/3910	46% (44% - 47%)
25+4	262	43% (39% - 47%)	0.5		
25+5	230	42% (38% - 46%)	0.2		
25+6	266	44% (40% - 48%)	0.8		
26+0	291	35% (32% - 39%)	0.6		
26+1	233	37% (33% - 41%)	0.2		
26+2	263	36% (32% - 39%)	0.5		
26+3	249	33% (29% - 36%)	1	1812/5474	33% (32% - 34%)
26+4	260	34% (31% - 37%)	1		
26+5	249	31% (28% - 34%)	0.7		
26+6	237	27% (25% - 31%)	0.001		
27+0	261	26% (23% - 29%)	0.3		
27+1	257	28% (25% - 31%)	0.01		
27+2	240	26% (23% - 28%)	0.6		
27+3	232	22% (20% - 25%)	0.8	1667/7077	24% (23% - 25%)
27+4	229	23% (20% - 25%)	1		
27+5	196	19% (17% - 22%)	0.003		
27+6	226	22% (19% - 24%)	0.5		

(B) Respiratory support requirement at discharge in infants who survived to discharge

Gestation	Gestational day			Gestational week	
	Number of infants	Discharge respiratory support (95% CI)	p-value[1]	Number of infants, n/N	Discharge respiratory support (95% CI)
<23+0	26	72% (56% - 84%)		N/A	N/A
23+0	49	70% (58% - 80%)	0.7		
23+1	60	66% (56% - 75%)	1		
23+2	89	67% (59% - 74%)	0.8		
23+3	63	58% (48% - 67%)	0.9	635/1016	62% (59% - 65%)
23+4	111	64% (57% - 71%)	1		
23+5	123	63% (56% - 70%)	1		
23+6	140	57% (51% - 63%)	0.3		
24+0	193	56% (51% - 61%)	1.0		
24+1	194	58% (53% - 63%)	0.7		
24+2	192	55% (50% - 60%)	1		
24+3	223	54% (49% - 58%)	1	1511/2767	55% (53% - 56%)
24+4	214	55% (50% - 60%)	1		
24+5	241	51% (47% - 56%)	0.6		
24+6	241	54% (49% - 58%)	1		
25+0	280	48% (44% - 53%)	0.01		
25+1	215	45% (41% - 50%)	0.7		
25+2	220	42% (38% - 47%)	1		
25+3	218	42% (38% - 47%)	1	1640/3884	42% (41% - 44%)
25+4	229	38% (34% - 42%)	0.1		
25+5	223	41% (37% - 45%)	1.0		
25+6	235	39% (35% - 43%)	0.4		
26+0	322	39% (36% - 42%)	0.02		
26+1	244	38% (35% - 42%)	0.1		
26+2	262	36% (32% - 39%)	0.9		
26+3	278	36% (33% - 40%)	0.8	1879/5459	34% (33% - 36%)
26+4	241	32% (28% - 35%)	0.4		
26+5	260	32% (29% - 36%)	0.8		
26+6	238	28% (25% - 31%)	<0.001		
27+0	283	28% (26% - 31%)	0.2		
27+1	261	29% (26% - 32%)	0.2		
27+2	252	27% (24% - 30%)	0.9		
27+3	254	24% (22% - 27%)	0.9	1807/7035	26% (25% - 27%)
27+4	257	25% (23% - 28%)	1		
27+5	233	23% (21% - 26%)	0.4		
27+6	231	22% (20% - 25%)	0.05		

Supplementary Figure 3: Mortality with the 95% confidence interval stratified by each day of gestation at birth in (A) infants who received complete (N = 17,069) and partial/no antenatal corticosteroids (ANC) (N = 6,996); and (B) infants born in a maternity centre with a co-located neonatal intensive care unit (N = 17,928) versus those who were not (N = 7,793). The shaded area depicts the 95% confidence interval of mortality for each gestational week at birth.

* $p<0.05$ ** $p<0.01$ *** $p<0.001$. p-value was obtained from the analysis of means.


Mortality in infants born <28 weeks gestation
(A) Complete or partial/no antenatal steroids (ANS)
23 weeks gestation (N = 2,330)
24 weeks gestation (N = 4,275)
25 weeks gestation (N = 4,914)
26 weeks gestation (N = 6,326)
27 weeks gestation (N = 7,682)
Complete ANS
Partial/No ANS
Incidence of mortality (%)
Gestational age at birth
(B) Neonatal intensive care unit (NICU) or non-NICU
NICU
non-NICU

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Supplementary Table 5: The number (percentage) of infants alongside the unadjusted and adjusted odds of mortality, moderate/severe bronchopulmonary (BPD) and respiratory support requirement at discharge with the 95% confidence interval (CI) for each gestational week at birth depending on whether (A) mothers received a complete course of antenatal corticosteroids (ANC) or (B) born in a centre with a co-located neonatal intensive care unit (NICU). For the moderate/severe BPD and discharge respiratory support requirement outcomes, only infants who survived to discharge were included.

(A) Complete course of antenatal corticosteroids

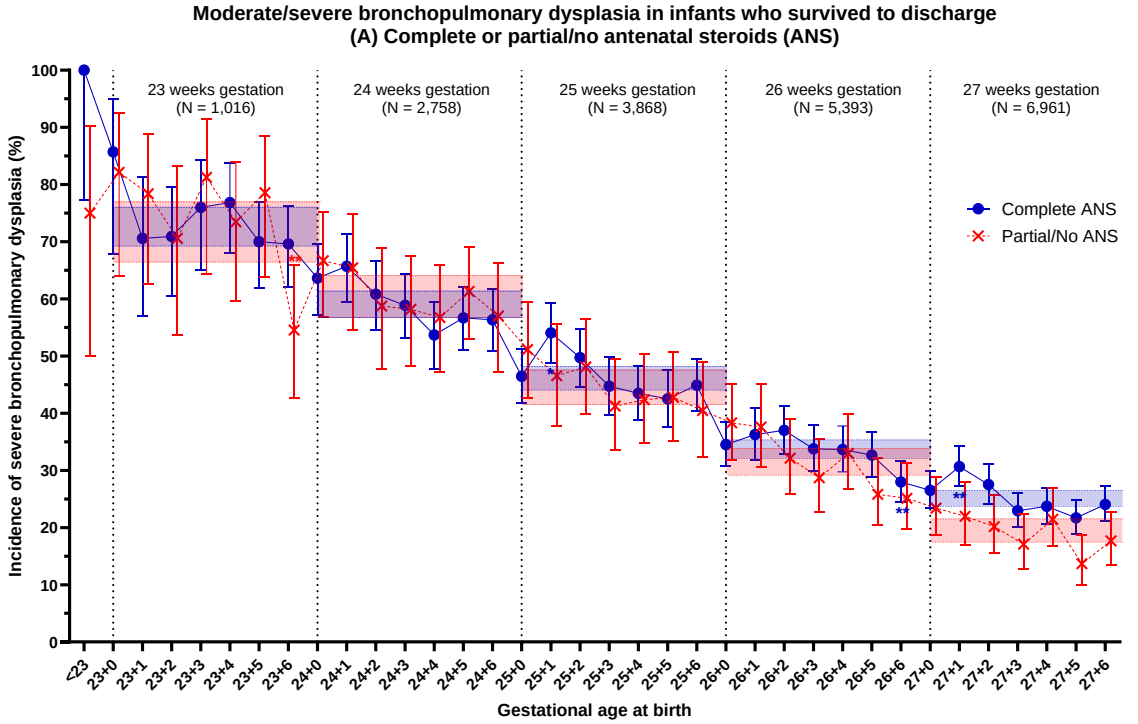
Gestation	Partial/No ANC	Complete ANC	Unadjusted odds (95% confidence interval)	Adjusted odds (95% confidence interval)
Mortality				
23 weeks	605 (67.7%)	566 (46.7%)	0.42 (0.35 – 0.50)	0.43 (0.35 – 0.52)
24 weeks	502 (41.4%)	899 (31.7%)	0.66 (0.57 – 0.76)	0.64 (0.55 – 0.76)
25 weeks	326 (25.1%)	640 (18.7%)	0.69 (0.59 – 0.80)	0.66 (0.56 – 0.78)
26 weeks	248 (14.9%)	612 (14.0%)	0.93 (0.79 – 1.09)	0.86 (0.72 – 1.03)
27 weeks	188 (9.6%)	454 (8.4%)	0.87 (0.73 – 1.04)	0.77 (0.63 – 0.95)
Moderate/severe bronchopulmonary dysplasia in survivors to discharge				
23 weeks	207 (71.9%)	470 (72.6%)	1.04 (0.76 – 1.42)	0.91 (0.66 – 1.25)
24 weeks	427 (60.6%)	1,140 (59.1%)	0.94 (0.79 – 1.12)	0.87 (0.72 – 1.06)
25 weeks	432 (44.5%)	1,280 (46.2%)	1.07 (0.93 – 1.24)	0.95 (0.81 – 1.11)
26 weeks	440 (31.4%)	1,260 (33.6%)	1.10 (0.97 – 1.26)	0.95 (0.80 – 1.12)
27 weeks	344 (19.5%)	1,236 (25.1%)	1.39 (1.22 – 1.59)	1.08 (0.94 – 1.24)
Respiratory support requirement at discharge in survivors to discharge				
23 weeks	179 (62.2%)	404 (62.6%)	1.02 (0.77 – 1.36)	0.97 (0.70 – 1.34)
24 weeks	361 (51.2%)	1,066 (55.6%)	1.19 (1.00 – 1.42)	1.18 (0.99 – 1.40)
25 weeks	379 (39.5%)	1,175 (42.7%)	1.14 (0.98 – 1.32)	1.09 (0.90 – 1.31)
26 weeks	437 (31.2%)	1,328 (35.5%)	1.21 (1.06 – 1.38)	1.09 (0.95 – 1.25)
27 weeks	396 (22.4%)	1,322 (27.1%)	1.28 (1.13 – 1.46)	1.13 (0.98 – 1.30)

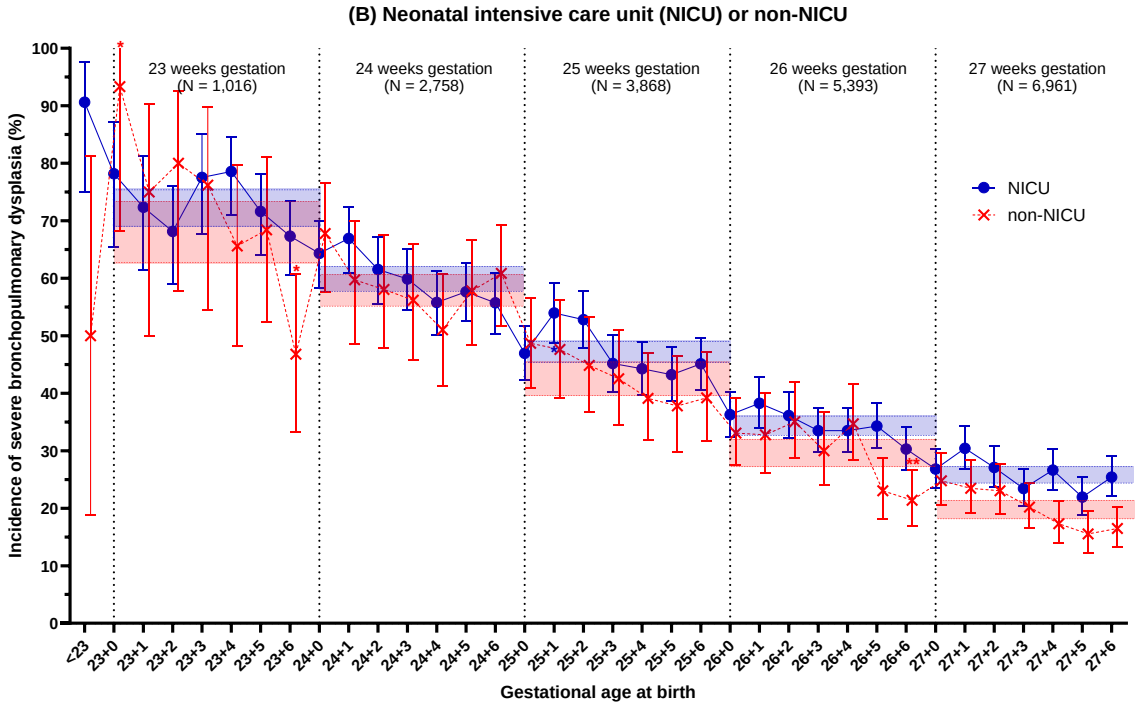
(B) Born in a maternity centre with a co-located neonatal intensive care unit

Gestation	No NICU	NICU	Unadjusted odds (95% confidence interval)	Adjusted odds (95% confidence interval)
Mortality				
23 weeks	405 (68.1%)	921 (52.6%)	0.52 (0.43 – 0.63)	0.53 (0.42 – 0.69)
24 weeks	471 (41.0%)	1,057 (33.3%)	0.72 (0.63 – 0.83)	0.71 (0.58 – 0.86)
25 weeks	307 (23.5%)	750 (20.4%)	0.84 (0.72 – 0.97)	0.80 (0.66 – 0.98)
26 weeks	267 (14.6%)	667 (14.5%)	0.99 (0.85 – 1.15)	0.93 (0.77 – 1.12)
27 weeks	270 (9.0%)	435 (9.0%)	1.01 (0.86 – 1.18)	0.93 (0.77 – 1.13)
Moderate/severe bronchopulmonary dysplasia in survivors to discharge				
23 weeks	127 (67.2%)	600 (72.5%)	1.28 (0.91 – 1.80)	1.18 (0.81 – 1.73)
24 weeks	397 (59.0%)	1,262 (60.0%)	1.04 (0.87 – 1.24)	0.98 (0.77 – 1.26)
25 weeks	421 (42.4%)	1,374 (47.1%)	1.21 (1.04 – 1.40)	1.07 (0.89 – 1.29)
26 weeks	458 (29.5%)	1,354 (34.5%)	1.26 (1.11 – 1.43)	1.04 (0.86 – 1.26)
27 weeks	538 (19.8%)	1,129 (25.9%)	1.41 (1.26 – 1.59)	1.21 (1.01 – 1.45)
Respiratory support requirement at discharge in survivors to discharge				
23 weeks	118 (62.1%)	517 (62.6%)	1.02 (0.74 – 1.41)	0.98 (0.71 – 1.35)
24 weeks	342 (51.0%)	1,169 (55.8%)	1.21 (1.01 – 1.44)	1.20 (0.92 – 1.55)
25 weeks	370 (37.5%)	1,270 (43.9%)	1.30 (1.12 – 1.51)	1.25 (0.96 – 1.62)
26 weeks	457 (29.6%)	1,422 (36.3%)	1.36 (1.20 – 1.54)	1.20 (0.98 – 1.46)
27 weeks	592 (21.9%)	1,215 (28.1%)	1.39 (1.24 – 1.56)	1.30 (1.04 – 1.62)

Supplementary Figure 4: Moderate/severe bronchopulmonary dysplasia in infants who survived to discharge with the 95% confidence interval stratified by each day of gestation at birth in (A) infants who received complete (N = 13,888) and partial/no antenatal corticosteroids (ANC) (N = 5,058); and (B) infants born in a maternity centre with a co-located neonatal intensive care unit (N = 13,991) versus those who were not (N = 6,043). The shaded area depicts the 95% confidence interval of moderate/severe bronchopulmonary dysplasia for each gestational week at birth.

* $p<0.05$ ** $p<0.01$. p-value was obtained from the analysis of means.


Moderate/severe bronchopulmonary dysplasia in infants who survived to discharge
(A) Complete or partial/no antenatal steroids (ANS)
23 weeks gestation (N = 1,016)
24 weeks gestation (N = 2,758)
25 weeks gestation (N = 3,868)
26 weeks gestation (N = 5,393)
27 weeks gestation (N = 6,961)
Complete ANS
Partial/No ANS
Incidence of severe bronchopulmonary dysplasia (%)
Gestational age at birth


(B) Neonatal intensive care unit (NICU) or non-NICU
23 weeks gestation (N = 1,016)
24 weeks gestation (N = 2,758)
25 weeks gestation (N = 3,868)
26 weeks gestation (N = 5,393)
27 weeks gestation (N = 6,961)
NICU
non-NICU
Incidence of severe bronchopulmonary dysplasia (%)
Gestational age at birth

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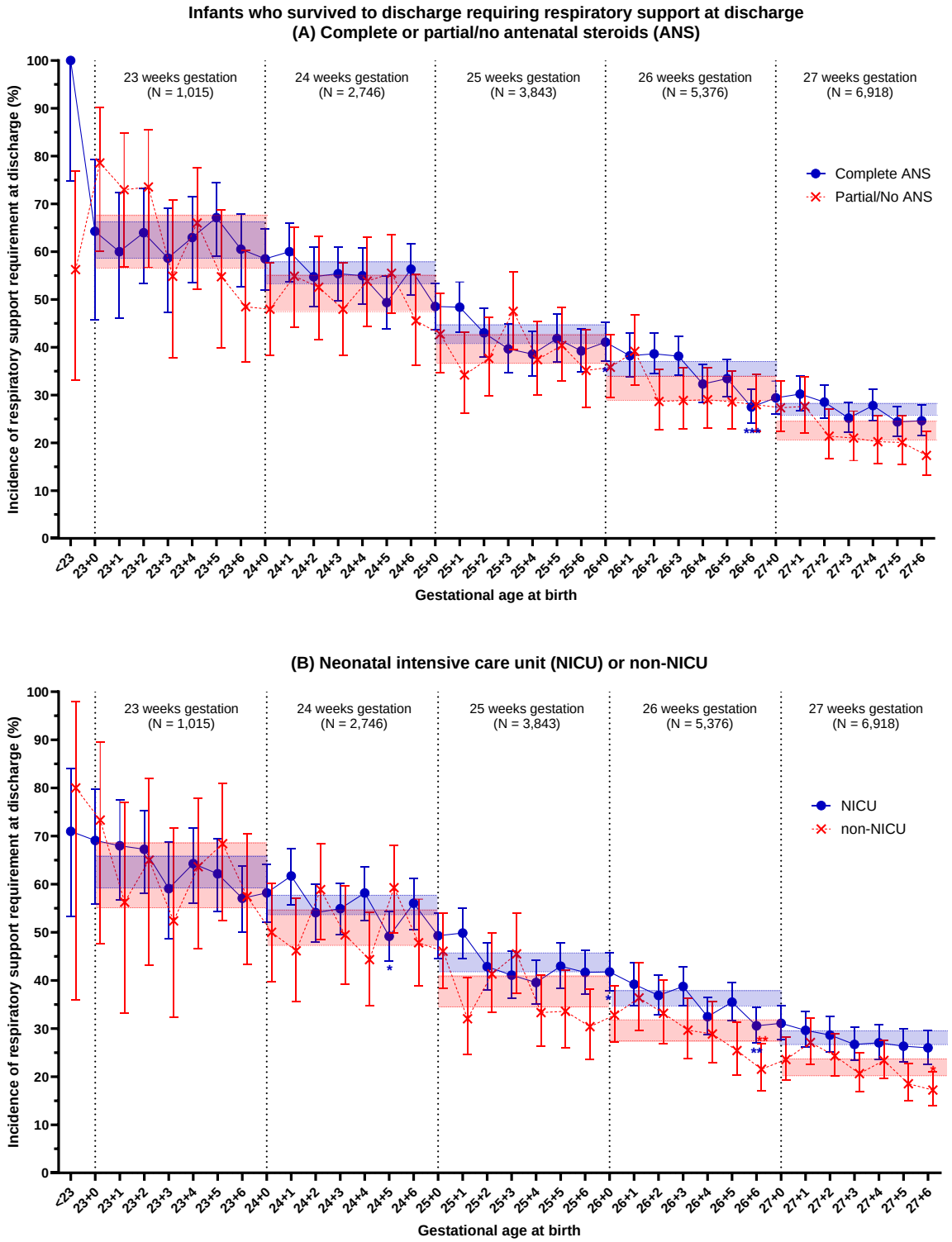
Supplementary Figure 5: Respiratory support requirement at discharge in infants who survived to discharge with the 95% confidence interval stratified by each day of gestation at birth in (A) infants who received complete and partial/no antenatal corticosteroids (ANC); and (B) infants born in a maternity centre with a co-located neonatal intensive care unit versus those who were not. The shaded area depicts the 95% confidence interval of respiratory support requirement at discharge for each gestational week at birth.

* $p<0.05$ ** $p<0.01$. p-value was obtained from the analysis of means.


Infants who survived to discharge requiring respiratory support at discharge
(A) Complete or partial/no antenatal steroids (ANS)
23 weeks gestation (N = 1,015)
24 weeks gestation (N = 2,746)
25 weeks gestation (N = 3,843)
26 weeks gestation (N = 5,376)
27 weeks gestation (N = 6,918)
Complete ANS
Partial/No ANS
Incidence of respiratory support requirement at discharge (%)
Gestational age at birth
(B) Neonatal intensive care unit (NICU) or non-NICU
NICU
non-NICU

Supplementary Table 6: Participating neonatal units in England and Wales and their respective lead clinicians. The list was accessed from https://www.imperial.ac.uk/neonatal-data-analysis-unit/neonatal-data-analysis-unit/list-of-national-neonatal-units/ **on 06/01/2022.**

Institution	Lead clinician
Airedale General Hospital	Dr Matthew Babirecki
Arrowe Park Hospital	Dr Anand Kamalanathan
Barnet Hospital	Dr Tim Wickham
Barnsley District General Hospital	Dr Kavi Aucharaz
Basildon Hospital	Dr Aashish Gupta
Basingstoke & North Hampshire Hospital	Dr Nicola Paul
Bassetlaw District General Hospital	Dr L M Wong
Bedford Hospital	Dr Anita Mittal
Birmingham City Hospital	Dr Lindsay Halpern
Birmingham Heartlands Hospital	Dr Pinki Surana
Birmingham Women's Hospital	Dr Matt Nash
Bradford Royal Infirmary	Dr Sam Wallis
Broomfield Hospital, Chelmsford	Dr Ahmed Hassan
Calderdale Royal Hospital	Dr Karin Schwarz
Chelsea & Westminster Hospital	Dr Shu-Ling Chuang
Chesterfield & North Derbyshire Royal Hospital	Dr Aiwyne Foo
Colchester General Hospital	Dr Jo Anderson
Conquest Hospital	Dr Graham Whincup
Countess of Chester Hospital	Dr Stephen Brearey
Croydon University Hospital	Dr Morris
Croydon University Hospital	Dr Srirambhatla
Cumberland Infirmary	Dr Yee Aung
Darent Valley Hospital	Dr Abdul Hasib
Darlington Memorial Hospital	Dr Mehdi Garbash
Derriford Hospital	Dr Alex Allwood
Diana Princess of Wales Hospital	Dr Pauline Adiotomre
Doncaster Royal Infirmary	Dr Nigel Brooke
Dorset County Hospital	Dr Abby Deketelaere
East Surrey Hospital	Dr Abdul Khader
Epsom General Hospital	Dr Sonia Spathis
Frimley Park Hospital	Dr Sanghavi Rekha
Furness General Hospital	Dr Anas Olabi
George Eliot Hospital	Dr Mukta Jain
Glan Clwyd Hospital	Dr Ian Barnard
Glangwili General Hospital	Dr Prem Pitchaikani
Gloucester Royal Hospital	Dr Jennifer Holman

Good Hope Hospital	Dr Pinki Surana
Great Western Hospital	Dr Stanley Zengeya
Guy's & St Thomas' Hospital	Dr Geraint Lee
Harrogate District Hospital	Dr Sobia Balal
Hereford County Hospital	Dr Cath Seagrave
Hillingdon Hospital	Dr Tristan Bate
Hinchingbrooke Hospital	Dr Hilary Dixon
Homerton Hospital	Dr Narendra Aladangady
Hull Royal Infirmary	Dr Hassan Gaili
Ipswich Hospital	Dr Matthew James
James Cook University Hospital	Dr M Lal
James Paget Hospital	Dr Ambadkar
Kettering General Hospital	Dr Poornima Pandey
Kings College Hospital	Dr Ravindra Bhat
King's Mill Hospital	Dr Simon Rhodes
Kingston Hospital	Dr Jonathan Filkin
Lancashire Women and Newborn Centre	Dr Savi Sivashankar
Leeds Neonatal Service	Dr Lawrence Miall
Leicester General Hospital	Dr Jonathan Cusack
Leicester Royal Infirmary	Dr Venkatesh Kairamkonda
Leighton Hospital	Dr Michael Grosdenier
Lincoln County Hospital	Dr Ajay Reddy
Lister Hospital	Dr J Kefas
Liverpool Women's Hospital	Dr Christopher Dewhurst
Luton & Dunstable Hospital	Dr Jennifer Birch
Macclesfield District General Hospital	Dr Gail Whitehead
Manor Hospital	Dr Ashok Karupaiah
Medway Maritime Hospital	Dr Ghada Ramadan
Milton Keynes General Hospital	Dr I Misra
Musgrove Park Hospital	Dr Chris Knight
New Cross Hospital	Dr Matt Nash
Newham General Hospital	Dr Imdad Ali
Nobles Hospital	Dr Prakash Thiagarajan
Norfolk & Norwich University Hospital	Dr Muthukumar
North Devon District Hospital	Dr Michael Selter
North Manchester General Hospital	Dr Ajit Mahaveer
North Middlesex University Hospital	Dr Neeraj Jain
Northampton General Hospital	Dr Subodh Gupta
Northumbria Specialist Emergency Care Hospital	Jess Reynolds
Northwick Park Hospital	Dr Richard Nicholl
Nottingham City Hospital	Dr Steven Wardle
Nottingham University Hospital (QMC)	Dr Steven Wardle
Ormskirk District General Hospital	Dr Andreea Bontea

Oxford University Hospitals, John Radcliffe Hospital	Dr Eleri Adams
Peterborough City Hospital	Dr Katharine McDevitt
Pilgrim Hospital	Dr Ajay Reddy
Pinderfields General Hospital (Pontefract General Infirmary)	Dr David Gibson
Poole General Hospital	Prof Minesh Khashu
Prince Charles Hospital	Dr Iyad Al-Muzaffar
Princess Alexandra Hospital	Dr Chinnappa Reddy
Princess Anne Hospital	Dr Mark Johnson
Princess of Wales Hospital	Dr Kate Creese
Princess Royal Hospital	Dr P Amess
Princess Royal Hospital (previously Royal Shrewsbury Hospital)	Dr Deshpande
Princess Royal University Hospital	Dr Elizabeth Sleight
Queen Alexandra Hospital	Dr Charlotte Groves
Queen Charlotte's Hospital	Dr Lidia Tyszcuzk
Queen Elizabeth Hospital, Gateshead	Dr Anne Dale
Queen Elizabeth Hospital, King's Lynn	Dr Glynis Rewitzky
Queen Elizabeth Hospital, Woolwich - see notes	Dr Olutoyin Banjoko
Queen Elizabeth the Queen Mother Hospital	Dr Bushra Abdul-Malik
Queen's Hospital, Burton on Trent	Dr Dominic Muogbo
Queen's Hospital, Romford	Dr Khalid Mannan
Queen's Hospital, Romford 2	Dr Khalid Mannan
Rosie Maternity Hospital, Addenbrookes	Dr Angela D'Amore
Rotherham District General Hospital	Dr Soma Sengupta
Royal Albert Edward Infirmary	Dr Christos Zipitis
Royal Berkshire Hospital	Dr Peter De Halpert
Royal Bolton Hospital	Dr Paul Settle
Royal Cornwall Hospital	Dr Paul Munyard
Royal Derby Hospital	Dr John McIntyre
Royal Devon & Exeter Hospital	Dr Chrissie Oliver
Royal Gwent Hospital	Dr Sunil Reddy
Royal Hampshire County Hospital	Dr Lucinda Winckworth
Royal Lancaster Infirmary	Dr Joanne Fedee
Royal Oldham Hospital	Dr Natasha Maddock
Royal Preston Hospital	Dr Richa Gupta
Royal Stoke University Hospital	Dr Jyoti Kapur
Royal Surrey County Hospital	Dr Ben Obi
Royal Sussex County Hospital	Dr P Amess
Royal United Hospital	Dr Stephen Jones
Royal Victoria Infirmary	Dr Naveen Athiraman
Russells Hall Hospital	Dr Chandan Gupta
Salisbury District Hospital	Dr Jim Baird
Scarborough General Hospital	Dr Kirsten Mack

Scunthorpe General Hospital	Dr Pauline Adiotomre
Singleton Hospital	Dr Arun Ramachandran
Southend Hospital	Dr Vineet Gupta
Southmead Hospital	Dr Faith Emery
St George's Hospital	Dr Charlotte Huddy
St Helier Hospital	Dr Ralf Hartung
St Mary's Hospital, IOW	Dr Akinsola Ogundiya
St Mary's Hospital, London	Dr Lidia Tyszcuzk
St Mary's Hospital, Manchester	Dr Ngozi Edi-Osagie
St Michael's Hospital	Dr Pamela Cairns
St Peter's Hospital	Dr Peter Martin
St Richard's Hospital	Dr Victoria Sharp
Stepping Hill Hospital	Dr Carrie Heal
Stoke Mandeville Hospital	Dr Sanjay Salgia
Sunderland Royal Hospital	Dr Majd Abu-Harb
Tameside General Hospital	Dr Jacqeline Birch
The Grange University Hospital	Dr Sunil Reddy
The Jessop Wing, Sheffield	Dr Porus Bastani
The Royal Free Hospital	Dr Marice Theron
The Royal London Hospital - Constance Green	Dr Vadivelam Murthy
Torbay Hospital	Dr Siba Paul
Tunbridge Wells Hospital	Dr Hamudi Kisat
University College Hospital	Dr Giles Kendall
University Hospital Coventry	Dr Puneet Nath
University Hospital Lewisham	Dr Ozioma Obi
University Hospital of North Durham	Dr Mehdi Garbash
University Hospital of North Tees	Dr Hari Kumar
University Hospital of Wales	Dr Nitin Goel
Victoria Hospital, Blackpool	Dr Chris Rawlingson
Warrington Hospital	Dr Delyth Webb
Warwick Hospital	Dr Bird
Watford General Hospital	Dr Sankara Narayanan
West Cumberland Hospital	Dr Yee Aung
West Middlesex University Hospital	Dr Eleanor Hulse
West Suffolk Hospital	Dr Ian Evans
Wexham Park Hospital	Dr Sanjay Jaisal
Whipps Cross University Hospital	Dr Caroline Sullivan
Whiston Hospital	Dr Ros Garr
Whittington Hospital	Dr Wynne Leith
William Harvey Hospital	Dr Vimal Vasu
Withybush Hospital	Dr Vishwa Narayan
Worcestershire Royal Hospital	Dr Liza Harry
Worthing Hospital	Dr Katia Vamvakiti

Wrexham Maelor Hospital	Dr Brendan Harrington
Wythenshawe Hospital	Dr Ngozi Edi-Osagie
Yeovil District Hospital	Dr Megan Eaton
York District Hospital	Dr Sundeep Sandhu
Ysbyty Gwynedd	Dr Mike Cronin

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