

**Online supplementary material**

**Supplementary Table S1:** Distribution of our study population according to gestational age in comparison to Office for National Statistics (ONS) data 2010. ONS data includes all live births, CPRD data only includes patients surviving discharge from hospital and registering with primary care.

<b>Gestational age (weeks)</b>	<b>ONS 2010, n (%)</b>	<b>Redefined CPRD population, n (%)</b>
<24	750 (0.11)	112 (0.04)
24-27	2,329 (0.33)	3706 (1.28)
28-31	5,757 (0.81)	5,552 (1.92)
32-36	41,914 (5.89)	19,342 (6.70)
37-42	630,797 (88.64)	259,148 (89.79)
Post-term, >42	30,065 (4.22)	753 (0.26)
Total	711,612	288,613

**Supplementary Table S2:** Distribution of our study population according to birthweight in comparison to Office for National Statistics (ONS) data 2010. ONS data includes all live births, CPRD data only includes patients surviving discharge from hospital and registering with primary care.

<b>Birthweight (grams)</b>	<b>ONS 2010, n (%)</b>	<b>Redefined CPRD population, n (%)</b>
<1000	4,170 (0.58)	586 (0.20)
1000-1499	4,591 (0.64)	1,883 (0.65)
1500-2499	41,484 (5.82)	18,977 (6.58)
2500-3999	581,253 (81.50)	239,041 (82.82)
>4000	81,759 (11.46)	28,126 (9.75)
Total	713,257	288,613

**Supplementary Table S3:** Incidence rates and incidence rate ratios of respiratory tract infections (RTI) between groups of children

	<b>Term: <math>\geq 37/40</math> and <math>\geq 2500</math>g</b>		<b>Preterm: <math>&lt; 32/40</math> and <math>&lt; 1500</math> g</b>					
	<b>Events</b>	<b>Rate per 10 person years (95% CI)</b>	<b>Events</b>	<b>Rate per 10 person years (95% CI)</b>	<b>Unadjusted IRR (95% CI)</b>	<b>P value</b>	<b>Adjusted IRR<sup>#</sup> (95% CI)</b>	<b>P value</b>
<b>Overall</b>	451,438	7.17 (7.15-7.19)	4,940	9.69 (9.42-9.96)	1.35 (1.31-1.39)	<0.001	1.37 (1.33-1.42)	<0.001
<b>Age (years)</b>								
0-1	172,887	10.17 (10.13-10.22)	1,601	12.65 (12.05-13.29)	1.24 (1.18-1.31)	<0.001	1.21 (1.15-1.28)	<0.001
1-2	126,278	8.09 (8.04-8.13)	1,463	11.66 (11.07-12.27)	1.44 (1.37-1.52)	<0.001	1.50 (1.40-1.61)	<0.001
2-3	70,146	5.60 (5.56-5.65)	886	8.70 (8.14-9.29)	1.55 (1.45-1.66)	<0.001	1.59 (1.45-1.75)	<0.001
3-4	49,911	4.99 (4.96-5.04)	595	7.01 (6.47-7.6)	1.40 (1.29-1.53)	<0.001	1.41 (1.26-1.57)	<0.001
4-5	32,216	4.09 (4.05-4.14)	395	5.56 (5.03-6.13)	1.36 (1.23-1.50)	<0.001	1.36 (1.19-1.57)	<0.001
<b>Sex</b>								
Male	245,307	7.53 (7.50-7.56)	2,464	10.0 (9.61-10.4)	1.33 (1.28-1.38)	<0.001	1.33 (1.27-1.40)	<0.001
Female	206,131	6.78 (6.75-6.81)	2,476	9.40 (9.03-9.77)	1.39 (1.33-1.44)	<0.001	1.42 (1.35-1.49)	<0.001
<b>IMD 2010 quintile</b>								
1 (least deprived)	98,082	7.14 (7.10-7.18)	803	8.77 (8.19-9.40)	1.23 (1.14-1.32)	<0.001	1.25 (1.15-1.36)	<0.001
2	90,665	6.99 (6.95-7.04)	1,020	9.44 (8.88-10.04)	1.35 (1.27-1.44)	<0.001	1.37 (1.27-1.48)	<0.001
3	81,032	7.01 (6.96-7.06)	879	9.58 (8.96-10.23)	1.37 (1.28-1.46)	<0.001	1.43 (1.32-1.55)	<0.001
4	89,677	7.19 (7.15-7.24)	1,068	10.09 (9.50-10.72)	1.40 (1.32-1.49)	<0.001	1.41 (1.30-1.52)	<0.001
5 (most deprived)	91,274	7.51 (7.46-7.56)	1,157	10.39 (9.80-11.00)	1.38 (1.30-1.47)	<0.001	1.40 (1.30-1.51)	<0.001
Missing	708	7.84 (7.28-8.44)	13	9.99 (5.80-17.20)	1.27 (0.67-2.19)	0.19	1.07 (0.55-2.09)	0.84
<b>Congenital anomalies (CA)</b>								
No CA	437,238	7.13 (7.11-7.15)	3,805	9.39 (9.09-9.69)	1.32 (1.28-1.36)	<0.001	1.40 (1.35-1.45)	<0.001
Has CA	14,200	8.69 (8.55-8.84)	1,135	10.86 (10.24-11.51)	1.25 (1.17-1.33)	<0.001	1.28 (1.19-1.38)	<0.001

<sup>#</sup> Adjusted for age, sex, IMD 2010 quintile, congenital anomalies; CI= confidence interval; IRR= incidence rate ratio

**Supplementary Table S4:** Incidence rates and incidence rate ratios of lower respiratory tract infections (LRTI) between groups of children

	Term: $\geq 37/40$ and $\geq 2500$ g		Preterm: $< 32/40$ and $< 1500$ g					
	Events	Rate per 10 person years (95% CI)	Events	Rate per 10 person years (95% CI)	Unadjusted IRR (95% CI)	P value	Adjusted IRR <sup>#</sup> (95% CI)	P value
<b>Overall</b>	71,929	1.14 (1.13-1.15)	1,397	2.74 (2.60-2.89)	2.40 (2.27-2.53)	<0.001	2.79 (2.59-3.01)	<0.001
<b>Age (years)</b>								
0-1	29,630	1.74 (1.72-1.76)	520	2.36 (2.16-2.57)	2.36 (2.16-2.57)	<0.001	2.36 (2.13-2.61)	<0.001
1-2	20,645	1.32 (1.30-1.34)	422	3.36 (3.06-3.70)	2.54 (2.30-2.80)	<0.001	3.61 (3.02-4.32)	<0.001
2-3	10,753	0.86 (0.84-0.88)	227	2.23 (1.96-2.54)	2.59 (2.26-2.96)	<0.001	3.39 (2.71-4.24)	<0.001
3-4	6,794	0.68 (0.66-0.70)	145	1.71 (1.45-2.01)	2.51 (2.11-2.96)	<0.001	3.36 (2.55-4.43)	<0.001
4-5	4,107	0.52 (0.51-0.54)	83	1.17 (0.94-1.45)	2.24 (1.78-2.78)	<0.001	2.52 (1.79-3.54)	<0.001
<b>Sex</b>								
Male	41,097	1.26 (1.25-1.27)	701	2.84 (2.64-3.06)	2.26 (2.09-2.43)	<0.001	2.59 (2.33-2.88)	<0.001
Female	30,832	1.01 (1.00-1.03)	696	2.64 (2.45-2.85)	2.60 (2.41-2.81)	<0.001	3.01 (2.71-3.35)	<0.001
<b>IMD 2010 quintile</b>								
1 (least deprived)	15,486	1.13 (1.11-1.15)	232	2.53 (2.23-2.88)	2.25 (1.97-2.56)	<0.001	2.58 (2.16-3.08)	<0.001
2	14,261	1.10 (1.08-1.12)	286	2.65 (2.36-2.97)	2.41 (2.13-2.71)	<0.001	2.82 (2.39-3.33)	<0.001
3	12,748	1.10 (1.08-1.12)	235	2.56 (2.25-2.91)	2.32 (2.03-2.64)	<0.001	2.77 (2.31-3.33)	<0.001
4	14,344	1.15 (1.13-1.17)	290	2.74 (2.44-3.07)	2.38 (2.11-2.68)	<0.001	2.70 (2.28-3.19)	<0.001
5 (most deprived)	14,989	1.23 (1.21-1.25)	349	3.13 (2.82-3.48)	2.54 (2.28-2.83)	<0.001	3.03 (2.60-3.53)	<0.001
Missing	101	1.12 (0.92-1.36)	5	3.84 (1.60-9.28)	3.43 (1.09-8.28)	0.01	3.61 (0.78-16.77)	0.10
<b>Congenital anomalies (CA)</b>								
No CA	69,240	1.13 (1.12-1.14)	1,029	2.54 (2.39-2.70)	2.25 (2.11-2.39)	<0.001	2.84 (2.61-3.09)	<0.001
Has CA	2,689	1.64 (1.59-1.71)	368	3.52 (3.18-3.90)	2.14 (1.91-2.39)	<0.001	2.60 (2.22-3.03)	<0.001

<sup>#</sup> Adjusted for age, sex, IMD 2010 quintile, congenital anomalies; CI= confidence interval; IRR= incidence rate ratio

**Supplementary Table S5:** Incidence rates and incidence rate ratios of wheeze between groups of children

	Term: $\geq 37/40$ and $\geq 2500$ g		Preterm: $< 32/40$ and $< 1500$ g					
	Events	Rate per 10 person years (95% CI)	Events	Rate per 10 person years (95% CI)	Unadjusted IRR (95% CI)	P value	Adjusted IRR <sup>#</sup> (95% CI)	P value
<b>Overall</b>	32,529	0.52 (0.51-0.52)	608	1.19 (1.10-1.29)	2.31 (2.13-2.50)	<0.001	3.05 (2.64-3.52)	<0.001
<b>Age (years)</b>								
0-1	13,336	0.78 (0.77-0.80)	218	1.72 (1.51-1.97)	2.20 (1.91-2.51)	<0.001	2.33 (1.93-2.81)	<0.001
1-2	9,695	0.62 (0.61-0.63)	234	1.86 (1.64-2.12)	3.00 (2.63-3.42)	<0.001	5.97 (4.27-8.36)	<0.001
2-3	4,858	0.39 (0.38-0.40)	92	0.90 (0.74-1.11)	2.33 (1.87-2.86)	<0.001	3.88 (2.41-6.25)	<0.001
3-4	3,016	0.30 (0.29-0.31)	40	0.47 (0.35-0.64)	1.56 (1.11-2.13)	0.004	1.60 (0.96-2.68)	0.07
4-5	1,624	0.21 (0.20-0.22)	24	0.34 (0.23-0.50)	1.64 (1.05-2.44)	0.01	2.00 (0.98-4.07)	0.06
<b>Sex</b>								
Male	20,813	0.64 (0.63-0.65)	371	1.51 (1.36-1.67)	2.36 (2.12-2.61)	<0.001	3.04 (2.51-3.67)	<0.001
Female	11,716	0.39 (0.38-0.39)	237	0.90 (0.79-1.02)	2.33 (2.04-2.65)	<0.001	3.18 (2.51-4.02)	<0.001
<b>IMD 2010 quintile</b>								
1 (least deprived)	7,358	0.54 (0.52-0.55)	102	1.11 (0.92-1.35)	2.08 (1.69-2.53)	<0.001	2.49 (1.76-3.52)	<0.001
2	6,522	0.50 (0.49-0.52)	135	1.25 (1.06-1.48)	2.48 (2.08-2.95)	<0.001	3.37 (2.46-4.63)	<0.001
3	5,835	0.50 (0.49-0.52)	108	1.18 (0.97-1.42)	2.33 (1.91-2.82)	<0.001	3.23 (2.29-4.56)	<0.001
4	6,101	0.49 (0.48-0.50)	106	1.00 (0.83-1.21)	2.05 (1.67-2.48)	<0.001	2.52 (1.82-3.48)	<0.001
5 (most deprived)	6,648	0.55 (0.53-0.56)	156	1.40 (1.20-1.64)	2.56 (2.17-3.00)	<0.001	3.77 (2.83-5.04)	<0.001
Missing	65	0.72 (0.56-0.92)	1	0.77 (0.11-5.45)	1.07 (0.03-6.16)	0.43	1.09 (0.05-24.11)	0.96
<b>Congenital anomalies (CA)</b>								
No CA	31,456	0.51 (0.51-0.52)	443	1.09 (1.00-1.20)	2.13 (1.94-2.34)	<0.001	2.99 (2.53-3.52)	<0.001
Has CA	1,073	0.66 (0.62-0.70)	165	1.58 (1.36-1.84)	2.40 (2.03-2.83)	<0.001	3.37 (2.56-4.45)	<0.001

<sup>#</sup> Adjusted for age, sex, IMD 2010 quintile, congenital anomalies; CI= confidence interval; IRR= incidence rate ratio

**Supplementary Table S6:** Incidence rates and incidence rate ratios of antibiotic prescriptions between groups of children

	Term: $\geq 37/40$ and $\geq 2500\text{g}$		Preterm: $< 32/40$ and $< 1500\text{g}$					
	Events	Rate per 10 person years (95% CI)	Events	Rate per 10 person years (95% CI)	Unadjusted IRR (95% CI)	P value	Adjusted IRR <sup>#</sup> (95% CI)	P value
<b>Overall</b>	711,743	8.40 (8.38-8.42)	6,971	12.67 (12.38-12.97)	1.51 (1.47-1.54)	<0.001	1.49 (1.44-1.55)	<0.001
<b>Age (years)</b>								
0-1	180,426	8.15 (8.11-8.19)	1,401	10.30 (9.77-10.85)	1.26 (1.20-1.33)	<0.001	1.14 (1.07-1.22)	<0.001
1-2	212,120	10.29 (10.25-10.34)	2,155	15.96 (15.30-16.65)	1.55 (1.49-1.62)	<0.001	1.55 (1.45-1.66)	<0.001
2-3	135,874	8.06 (8.01-8.10)	1,475	13.36 (12.69-14.05)	1.66 (1.57-1.74)	<0.001	1.75 (1.60-1.90)	<0.001
3-4	108,033	7.82 (7.77-7.86)	1,113	12.11 (11.42-12.85)	1.55 (1.46-1.64)	<0.001	1.53 (1.39-1.68)	<0.001
4-5	75,290	6.68 (6.63-6.72)	827	10.76 (10.05-11.52)	1.61 (1.50-1.73)	<0.001	1.66 (1.48-1.86)	<0.001
<b>Sex</b>								
Male	389,818	8.89 (8.86-8.91)	3,692	13.76 (13.32-14.21)	1.55 (1.50-1.60)	<0.001	1.54 (1.46-1.62)	<0.001
Female	321,925	7.88 (7.85-7.91)	3,279	11.63 (11.24-12.04)	1.48 (1.43-1.53)	<0.001	1.45 (1.37-1.53)	<0.001
<b>IMD 2010 quintile</b>								
1 (least deprived)	161,597	8.40 (8.36-8.44)	1,266	12.83 (12.14-13.55)	1.53 (1.44-1.61)	<0.001	1.70 (1.56-1.86)	<0.001
2	147,517	8.35 (8.31-8.39)	1,397	12.43 (11.80-13.55)	1.49 (1.41-1.57)	<0.001	1.48 (1.36-1.61)	<0.001
3	129,433	8.36 (8.31-8.41)	1,267	12.48 (11.82-13.19)	1.49 (1.41-1.58)	<0.001	1.43 (1.31-1.55)	<0.001
4	138,038	8.49 (8.45-8.54)	1,530	13.34 (12.69-14.02)	1.57 (1.49-1.65)	<0.001	1.49 (1.38-1.61)	<0.001
5 (most deprived)	134,113	8.40 (8.36-8.45)	1,500	12.33 (11.72-12.97)	1.47 (1.39-1.54)	<0.001	1.42 (1.32-1.54)	<0.001
Missing	1,045	8.81 (8.29-9.36)	11	8.45 (4.68-15.26)	-0.04 (-0.54-0.47)	0.46	0.64 (0.30-1.38)	0.26
<b>Congenital anomalies (CA)</b>								
No CA	679,215	8.24 (8.22-8.26)	5,203	11.87 (11.55-12.19)	1.44 (1.40-1.48)	<0.001	1.65 (1.58-1.72)	<0.001
Has CA	32,528	14.42 (14.26-14.58)	1,768	15.82 (15.10-16.57)	1.10 (1.05-1.15)	<0.001	1.06 (0.98-1.15)	0.13

<sup>#</sup> Adjusted for age, sex, IMD 2010 quintile, congenital anomalies; CI= confidence interval; IRR= incidence rate ratio

**Supplementary Table S7:** Incidence rates of antibiotic prescriptions (by antibiotics class) between groups of children

	Term		PT-Air		PT-O <sub>2</sub>	
	Events	Rate per 10 person years (95% CI)	Events	Rate per 10 person years (95% CI)	Events	Rate per 10 person years (95% CI)
<b>Overall</b>	711,743	8.40 (8.38-8.42)	4,768	11.63 (11.31-11.97)	2,203	15.71 (15.06-16.38)
<b>Class of antibiotics</b>						
Broad-spectrum penicillins	704,503	8.32 (8.30-8.34)	4,496	10.97 (10.65-11.29)	1,923	13.71 (13.11-14.34)
Macrolides	138,507	1.64 (1.63-1.64)	956	2.33 (2.19-2.48)	415	2.96 (2.69-3.26)
Benzylpenicillin and phenoxymethylpenicillin	97,269	1.15 (1.14-1.16)	411	1.00 (0.91-1.10)	160	1.14 (0.98-1.33)
Penicillinase-resistant penicillins	62,918	0.74 (0.74-0.75)	272	0.66 (0.59-0.75)	77	0.55 (0.44-0.69)
Sulphonamides and trimethoprim	52,317	0.62 (0.61-0.62)	469	1.14 (1.05-1.25)	223	1.59 (1.39-1.81)
Cephalosporins	33,356	0.39 (0.39-0.40)	315	0.77 (0.69-0.86)	204	1.45 (1.27-1.67)

**Supplementary Table S8:** Incidence rate ratios of consultations for lower respiratory tract infections (LRTI) and antibiotic prescriptions (Abx Px) between children in PT-Air and PT-O<sub>2</sub>

	Lower Respiratory Tract Infections				Antibiotic Prescriptions (Abx Px)			
	Unadjusted IRR (95% CI)	P value	Adjusted IRR <sup>#</sup> (95% CI)	P value	Unadjusted IRR (95% CI)	P value	Adjusted IRR <sup>#</sup> (95% CI)	P value
<b>Overall</b>	1.65 (1.48-1.85)	<0.001	1.74 (1.50-2.03)	<0.001	1.35 (1.28-1.42)	<0.001	1.39 (1.28-1.50)	<0.001
<b>Age</b>								
0-1	1.46 (1.21-1.75)	<0.001	1.39 (1.14-1.69)	0.001	1.15 (1.02-1.29)	0.009	1.12 (0.96-1.31)	0.14
1-2	1.56 (1.27-1.91)	<0.001	1.63 (1.19-2.25)	0.003	1.35 (1.24-1.48)	<0.001	1.32 (1.15-1.52)	<0.001
2-3	2.03 (1.55-2.67)	<0.001	2.65 (1.77-3.96)	<0.001	1.43 (1.28-1.60)	<0.001	1.51 (1.26-1.82)	<0.001
3-4	1.61 (1.12-2.28)	0.004	1.81 (1.02-3.23)	0.04	1.43 (1.26-1.62)	<0.001	1.73 (1.40-2.14)	<0.001
4-5	2.31 (1.45-3.64)	<0.001	2.58 (1.38-4.83)	0.003	1.38 (1.19-1.61)	<0.001	1.38 (1.07-1.78)	0.01
<b>Sex</b>								
Male	1.87 (1.60-2.18)	<0.001	2.12 (1.73-2.61)	<0.001	1.45 (1.36-1.55)	<0.001	1.65 (1.49-1.83)	<0.001
Female	1.44 (1.22-1.69)	<0.001	1.43 (1.15-1.78)	0.001	1.21 (1.12-1.30)	<0.001	1.33 (1.18-1.49)	<0.001
<b>IMD 2010 quintile</b>								
1 (least deprived)	1.66 (1.26-2.18)	<0.001	1.82 (1.29-2.56)	0.001	1.57 (1.40-1.77)	<0.001	2.17 (1.77-2.65)	<0.001
2	1.60 (1.25-2.04)	<0.001	1.57 (1.11-2.22)	0.01	1.25 (1.12-1.40)	<0.001	1.25 (1.04-1.51)	0.02
3	1.88 (1.42-2.48)	<0.001	2.27 (1.57-3.27)	<0.001	1.34 (1.18-1.52)	<0.001	1.38 (1.15-1.66)	0.001
4	1.64 (1.28-2.09)	<0.001	1.61 (1.19-2.20)	0.002	1.20 (1.07-1.34)	<0.001	1.06 (0.90-1.26)	0.48
5 (most deprived)	1.54 (1.23-1.93)	<0.001	1.64 (1.21-2.23)	0.002	1.46 (1.31-1.63)	<0.001	1.42 (1.21-1.67)	<0.001
Missing	.	0.05	.	.	0.99 (0.25-4.63)	0.49	1.01 (0.22-4.66)	0.99
<b>Congenital anomalies</b>								
No CA	1.57 (1.37-1.79)	<0.001	1.78 (1.49-2.14)	<0.001	1.20 (1.13-1.28)	<0.001	1.31 (1.19-1.44)	<0.001
Has CA	1.61 (1.30-1.99)	<0.001	1.66 (1.28-2.15)	<0.001	1.46 (1.33-1.61)	<0.001	1.58 (1.37-1.82)	<0.001

<sup>#</sup> Adjusted for age, sex, IMD 2010 quintile, congenital anomalies; CI= confidence interval; IRR= incidence rate ratio



**Supplementary Table S9:** Incidence rate ratios of consultations for respiratory tract infections (RTI) and wheeze between children in PT-Air and PT-O<sub>2</sub>

	Respiratory Tract Infections (RTI)				Wheeze			
	Unadjusted IRR (95% CI)	P value	Adjusted IRR <sup>#</sup> (95% CI)	P value	Unadjusted IRR (95% CI)	P value	Adjusted IRR <sup>#</sup> (95% CI)	P value
<b>Overall</b>	1.22 (1.15-1.3)	<0.001	1.21 (1.12-1.30)	<0.001	1.18 (0.99-1.41)	0.03	1.10 (0.86-1.42)	0.45
<b>Age</b>								
0-1	1.05 (0.94-1.18)	0.17	1.04 (0.93-1.16)	0.52	0.91 (0.65-1.24)	0.27	0.84 (0.61-1.15)	0.28
1-2	1.26 (1.12-1.40)	<0.001	1.24 (1.07-1.45)	0.004	1.22 (0.91-1.62)	0.08	1.16 (0.69-1.96)	0.57
2-3	1.23 (1.06-1.42)	0.003	1.24 (1.03-1.50)	0.02	1.75 (1.12-2.71)	0.01	1.81 (0.85-3.86)	0.12
3-4	1.37 (1.15-1.63)	<0.001	1.49 (1.17-1.90)	0.001	1.09 (0.49-2.25)	0.39	1.21 (0.59-2.48)	0.60
4-5	1.43 (1.15-1.77)	<0.001	1.65 (1.21-2.25)	0.002	1.24 (0.44-3.15)	0.31	1.16 (0.38-3.53)	0.80
<b>Sex</b>								
Male	1.28 (1.18-1.39)	<0.001	1.28 (1.16-1.42)	<0.001	1.11 (0.88-1.39)	0.18	0.96 (0.70-1.31)	0.79
Female	1.15 (1.05-1.26)	0.001	1.13 (1.01-1.27)	0.03	1.24 (0.92-1.65)	0.07	1.40 (0.90-2.19)	0.13
<b>IMD 2010 quintile</b>								
1 (least deprived)	1.12 (0.96-1.31)	0.07	1.17 (0.98-1.41)	0.09	1.24 (0.79-1.91)	0.16	1.53 (0.83-2.82)	0.17
2	1.15 (1.00-1.32)	0.02	1.12 (0.94-1.33)	0.20	1.37 (0.94-1.97)	0.04	1.03 (0.62-1.70)	0.91
3	1.49 (1.28-1.73)	<0.001	1.65 (1.37-1.98)	<0.001	1.16 (0.71-1.82)	0.26	1.15 (0.64-2.06)	0.64
4	1.18 (1.04-1.34)	0.01	1.14 (0.98-1.34)	0.01	1.77 (1.18-2.65)	0.002	1.68 (0.98-2.90)	0.06
5 (most deprived)	1.21 (1.07-1.38)	0.001	1.14 (0.98-1.33)	0.09	0.75 (0.50-1.11)	0.07	0.61 (0.33-1.10)	0.10
Missing	1.89 (0.49-10.70)	0.17	0.58 (0.04-9.14)	0.70	.	.	.	.
<b>Congenital anomalies</b>								
No CA	1.15 (1.06-1.23)	<0.001	1.16 (1.06-1.27)	0.001	1.08 (0.85-1.35)	0.26	1.15 (0.84-1.57)	0.40
Has CA	1.32 (1.17-1.48)	<0.001	1.33 (1.16-1.53)	<0.001	1.11 (0.81-1.52)	0.25	1.02 (0.69-1.52)	0.92

<sup>#</sup> Adjusted for age, sex, IMD 2010 quintile, congenital anomalies; CI= confidence interval; IRR= incidence rate ratio

**Supplementary Table S10:** Distribution of study population across two equal 8-year epochs

<b>Epoch</b>	<b>Epoch 1 (1997-2005)</b>	<b>Epoch 2 (2006-2014)</b>	
Term, n (%)	86,925 (99.2)	164,686 (99.4)	251,611
PT-Air, n (%)	496 (0.6)	721 (0.4)	1,217
PT-O <sub>2</sub> , n (%)	135 (0.2)	314 (0.2)	449
Total	87,556	165,721	253,277