

	All cases			No comorbidity			Had comorbidity			p values
	N	271	%	N	219	%	N	52	%	
Male sex	159	271	58.7	122	219	55.7	37	52	71.2	0.67
Prematurity	37	255	14.5	25	208	12	12	47	25.5	<0.001
Age Group										
3 to 11 months	103	271	38	91	219	41.6	12	52	23.1	<0.001
12 to 23 months	68	271	25.1	63	219	28.8	5	52	9.6	
24 to 59 months	100	271	36.9	65	219	29.7	35	52	67.3	
Serotype group	0									
PCV13	25	232	10.8	20	184	10.9	5	48	10.4	<0.001
Extra PPV23	141	232	60.8	119	184	64.7	22	48	45.8	
Other	66	232	28.4	45	184	24.5	21	48	43.8	
Presentation										
Septicaemia	73	255	28.6	58	208	27.9	15	47	31.9	<0.001
Meningitis	74	255	29	67	208	32.2	7	47	14.9	
LRTI	91	255	35.7	69	208	33.2	22	47	46.8	
Other	17	255	6.7	14	208	6.7	3	47	6.4	
Case fatality ratio	11	271	4.1	8	219	3.7	3	52	5.8	0.013
Top 5 Serotypes										
12F	38	232	16.4	34	184	18.5	4	48	8.3	0.008
10A	25	232	10.8	24	184	13	1	48	2.1	
23B	20	232	8.6	12	184	6.5	8	48	16.7	
33F	20	232	8.6	15	184	8.2	5	48	10.4	
8	17	232	7.3	13	184	7.1	4	48	8.3	

Supplement Table 3. Characteristics of IPD in children aged 3 to 59 months by comorbidity prevalence during the final surveillance year (01 April 2015 to 31 March 2016) in England and Wales .

N = Numerator, Total in subset, % = Proportion, LRTI =bacteraemic lower respiratory tract infection