

S18 Table. CPAP subgroup crude outcomes

	Wave	Cases	Deaths		p value
		n	n	% (95% CI)	
Ward admissions without any oxygen therapy	1	567	126	22.2 (19.0 to 25.8)	1 v 2: p<0.01
	2	760	107	14.1 (11.8 to 16.7)	2 v 3: p=0.48
	3	497	63	12.7 (10.0 to 15.9)	3 v 1: p<0.01
Ward admissions with oxygen therapy only	1	268	91	34.0 (28.5 to 39.8)	1 v 2: p<0.01
	2	518	84	16.2 (13.3 to 19.6)	2 v 3: p=0.21
	3	279	36	12.9 (9.5 to 17.3)	3 v 1: p<0.01
Ward admissions with HFNO only	1	-	-	-	-
	2	35	15	42.9 (28.0 to 59.1)	2 v 3: p=0.87
	3	29	13	44.8 (28.4 to 62.5)	-
ICU admissions with HFNO only	1	-	-	-	-
	2	15	5	33.3 (15.2 to 58.3)	2 v 3: p=0.41
	3	15	3	20.0 (7.0 to 45.2)	-
Ward admissions with CPAP only	1	63	40	63.5 (51.1 to 74.3)	1 v 2: p=0.03
	2	152	71	46.7 (39.0 to 54.6)	2 v 3: p=0.28
	3	79	31	39.2 (29.2 to 50.3)	3 v 1: p<0.01
ICU admissions with CPAP only	1	14	5	35.7 (16.3 to 61.2)	1 v 2: p=0.36
	2	75	18	24.0 (15.8 to 34.8)	2 v 3: p=0.80
	3	41	9	24.6 (12.0 to 36.7)	3 v 1: p=0.31
ICU admissions with invasive ventilation	1	99	61	61.6 (51.8 to 70.6)	1 v 2: p=0.82
	2	100	60	60.0 (50.2 to 69.1)	2 v 3: p=0.54
	3	44	24	54.6 (40.1 to 68.3)	3 v 1: p=0.43