

**Table S1. Predicted AHI<sub>3a</sub> with associated 90% and 95% prediction interval using an AHI<sub>4</sub> referent**

Referent AHI <sub>4</sub>	Predicted AHI <sub>3a</sub>	Lower 95% prediction interval	Lower 90% prediction interval	Upper 90% prediction interval	Upper 95% prediction interval
0.0	2.5	0.0	0.1	5.8	7.7
1.0	5.1	1.6	1.9	10.1	12.2
2.0	7.6	3.4	3.8	13.2	15.1
3.0	9.7	5.3	5.7	15.7	18.1
4.0	11.4	6.3	6.8	17.7	20.9
5.0	13.0	7.3	7.9	20.9	23.2
6.0	14.4	8.6	9.3	21.7	24.9
7.0	15.8	10.2	10.5	23.5	26.8
8.0	17.1	10.9	11.6	24.7	27.7
9.0	18.5	12.0	12.5	25.8	29.5
10.0	19.8	13.0	13.5	27.4	31.2
11.0	21.1	14.0	14.8	29.5	32.8
12.0	22.3	15.3	15.8	31.3	34.9
13.0	23.4	16.5	16.7	33.3	36.9
14.0	24.5	17.4	18.1	34.0	37.8
15.0	25.7	18.4	19.4	35.2	38.9
16.0	27.0	19.4	20.2	36.6	39.8
17.0	28.2	20.3	21.0	37.6	40.4
18.0	29.5	21.4	22.1	39.1	41.6
19.0	30.9	22.6	23.6	41.1	43.5
20.0	32.2	23.8	25.0	42.9	45.3
21.0	33.3	24.8	26.1	44.1	46.5
22.0	34.5	25.8	27.0	44.9	47.6
23.0	35.5	26.9	27.8	45.6	48.8
24.0	36.4	28.0	28.7	46.2	50.1
25.0	37.4	29.0	29.5	47.0	51.4
26.0	38.3	30.0	30.4	47.7	52.6
27.0	39.3	30.8	31.2	48.6	53.5
28.0	40.3	31.4	32.0	49.6	54.3
29.0	41.3	32.1	32.8	50.6	55.1
30.0	42.3	32.8	33.6	51.7	55.8
31.0	43.3	33.5	34.5	52.8	56.7
32.0	44.3	34.4	35.4	53.9	57.6
33.0	45.3	35.3	36.4	55.0	58.6
34.0	46.3	36.2	37.4	56.1	59.7
35.0	47.2	37.2	38.4	57.2	60.9
36.0	48.2	38.2	39.4	58.3	62.1
37.0	49.1	39.2	40.4	59.4	63.3
38.0	50.0	40.3	41.4	60.5	64.4
39.0	51.0	41.2	42.3	61.6	65.6
40.0	51.8	42.2	43.3	62.6	66.7
41.0	52.7	43.2	44.2	63.7	67.8
42.0	53.6	44.1	45.2	64.7	68.9
43.0	54.5	45.0	46.1	65.7	69.9
44.0	55.3	45.9	47.0	66.7	71.0
45.0	56.1	46.8	47.9	67.6	72.0
46.0	57.0	47.7	48.7	68.6	73.0
47.0	57.8	48.5	49.6	69.6	73.9
48.0	58.6	49.4	50.5	70.5	74.9
49.0	59.5	50.3	51.4	71.5	75.9

Table S1 Continued . . .

Referent AHI <sub>4</sub>	Predicted AHI <sub>3a</sub>	Lower 95% prediction interval	Lower 90% prediction interval	Upper 90% prediction interval	Upper 95% prediction interval
50.0	60.3	51.1	52.2	72.4	76.8
51.0	61.1	52.0	53.1	73.3	77.7
52.0	62.0	52.8	54.0	74.3	78.7
53.0	62.8	53.7	54.8	75.2	79.6
54.0	63.6	54.6	55.7	76.1	80.6
55.0	64.5	55.4	56.6	77.0	81.5
56.0	65.3	56.3	57.4	77.9	82.4
57.0	66.2	57.2	58.3	78.9	83.3
58.0	67.0	58.0	59.2	79.8	84.3
59.0	67.9	58.9	60.1	80.7	85.2
60.0	68.8	59.8	60.9	81.6	86.1
61.0	69.6	60.7	61.8	82.5	87.0
62.0	70.5	61.6	62.7	83.4	87.9
63.0	71.4	62.4	63.6	84.3	88.8
64.0	72.3	63.3	64.5	85.2	89.7
65.0	73.1	64.2	65.4	86.1	90.6
66.0	74.0	65.1	66.3	87.1	91.6
67.0	74.9	66.0	67.2	88.0	92.5
68.0	75.8	66.9	68.1	88.9	93.4
69.0	76.7	67.8	69.0	89.8	94.3
70.0	77.6	68.7	69.9	90.7	95.2
71.0	78.5	69.6	70.8	91.6	96.1
72.0	79.4	70.5	71.7	92.5	97.0
73.0	80.3	71.4	72.6	93.4	97.9
74.0	81.2	72.3	73.5	94.3	98.8
75.0	82.2	73.2	74.4	95.2	99.7
76.0	83.1	74.2	75.3	96.1	100.6
77.0	84.0	75.1	76.2	97.0	101.5
78.0	84.9	76.0	77.1	97.9	102.4
79.0	85.9	76.9	78.1	98.8	103.3
80.0	86.8	77.8	79.0	99.7	104.2
81.0	87.7	78.8	79.9	100.6	105.1
82.0	88.7	79.7	80.8	101.5	106.0
83.0	89.6	80.6	81.8	102.4	106.9
84.0	90.5	81.5	82.7	103.3	107.8
85.0	91.5	82.5	83.6	104.2	108.7
86.0	92.4	83.4	84.6	105.1	109.6
87.0	93.4	84.3	85.5	106.0	110.5
88.0	94.3	85.3	86.4	106.9	111.4
89.0	95.3	86.2	87.3	107.8	112.3
90.0	96.2	87.2	88.3	108.7	113.2
91.0	97.2	88.1	89.2	109.6	114.1
92.0	98.1	89.0	90.2	110.5	115.0
93.0	99.1	90.0	91.1	111.5	116.0
94.0	100.1	91.0	92.1	112.4	116.9
95.0	101.0	91.9	93.0	113.4	117.8
96.0	102.0	92.9	94.0	114.3	118.8
97.0	103.0	93.8	94.9	115.0	119.4
98.0	103.9	94.7	95.8	116.0	120.4
99.0	104.9	95.7	96.8	117.0	121.4
100.0	105.9	96.7	97.8	117.9	122.4

**Table S2. Predicted AHI<sub>3</sub> with associated 90% and 95% prediction interval using an AHI<sub>4</sub> referent**

Referent AHI <sub>4</sub>	Predicted AHI <sub>3</sub>	Lower 95% prediction interval	Lower 90% prediction interval	Upper 90% prediction interval	Upper 95% prediction interval
0.0	0.7	0.0	0.0	1.4	2.1
1.0	2.6	1.1	1.2	4.6	5.1
2.0	4.4	2.2	2.3	7.1	7.5
3.0	6.2	3.6	3.9	8.7	9.2
4.0	7.8	4.7	5.2	11.2	11.6
5.0	9.3	5.9	6.3	13.1	13.9
6.0	10.7	7.1	7.7	14.7	16.3
7.0	12.1	8.4	8.7	16.1	17.2
8.0	13.4	9.6	10.1	17.3	18.4
9.0	14.7	10.6	11.1	19.3	21.1
10.0	16.0	11.5	12.1	21.1	22.9
11.0	17.2	12.5	12.9	22.5	23.3
12.0	18.4	13.7	14.2	24.2	25.6
13.0	19.6	14.9	15.5	25.8	27.4
14.0	20.8	15.8	16.4	27.3	29.2
15.0	22.0	16.8	17.4	28.8	30.8
16.0	23.2	17.9	18.4	30.0	32.0
17.0	24.4	18.9	19.3	31.1	33.0
18.0	25.6	20.0	20.4	32.4	34.3
19.0	26.8	21.0	21.6	34.0	35.7
20.0	28.0	22.0	22.7	35.5	37.0
21.0	29.1	23.0	23.7	36.7	38.0
22.0	30.2	24.0	24.7	37.7	39.1
23.0	31.3	25.2	25.7	38.7	40.2
24.0	32.4	26.4	26.9	39.9	41.4
25.0	33.5	27.6	28.0	41.1	42.7
26.0	34.6	28.7	29.0	42.2	43.9
27.0	35.7	29.6	30.0	43.2	44.9
28.0	36.7	30.4	30.8	44.2	45.8
29.0	37.8	31.3	31.7	45.2	46.6
30.0	38.9	32.0	32.5	46.2	47.5
31.0	39.9	32.9	33.3	47.2	48.5
32.0	40.9	33.7	34.2	48.2	49.5
33.0	41.9	34.7	35.2	49.3	50.6
34.0	42.9	35.6	36.1	50.3	51.8
35.0	43.9	36.6	37.1	51.4	53.0
36.0	44.8	37.6	38.1	52.5	54.2
37.0	45.8	38.6	39.1	53.6	55.5
38.0	46.7	39.6	40.1	54.7	56.7
39.0	47.6	40.5	41.1	55.7	58.0
40.0	48.5	41.5	42.1	56.8	59.2
41.0	49.5	42.5	43.0	57.9	60.4
42.0	50.4	43.4	44.0	58.9	61.6
43.0	51.3	44.4	45.0	59.9	62.7
44.0	52.2	45.3	45.9	61.0	63.9
45.0	53.1	46.3	46.9	62.0	65.0
46.0	54.0	47.2	47.8	63.0	66.1
47.0	54.9	48.1	48.7	64.0	67.2
48.0	55.8	49.0	49.7	65.0	68.3
49.0	56.7	50.0	50.6	65.9	69.4

Table S2 Continued . . .

Referent AHI <sub>4</sub>	Predicted AHI <sub>3a</sub>	Lower 95% prediction interval	Lower 90% prediction interval	Upper 90% prediction interval	Upper 95% prediction interval
50.0	57.6	50.9	51.5	66.9	70.5
51.0	58.5	51.8	52.4	67.9	71.5
52.0	59.4	52.7	53.4	68.9	72.6
53.0	60.3	53.6	54.3	69.8	73.6
54.0	61.2	54.5	55.2	70.8	74.7
55.0	62.1	55.5	56.1	71.8	75.7
56.0	63.0	56.4	57.1	72.7	76.7
57.0	63.9	57.3	58.0	73.7	77.7
58.0	64.8	58.2	58.9	74.6	78.7
59.0	65.7	59.1	59.8	75.6	79.7
60.0	66.7	60.0	60.7	76.5	80.7
61.0	67.6	61.0	61.7	77.5	81.7
62.0	68.5	61.9	62.6	78.4	82.6
63.0	69.4	62.8	63.5	79.4	83.6
64.0	70.3	63.7	64.4	80.3	84.6
65.0	71.2	64.6	65.3	81.2	85.5
66.0	72.1	65.6	66.3	82.2	86.5
67.0	73.1	66.5	67.2	83.1	87.4
68.0	74.0	67.4	68.1	84.0	88.3
69.0	74.9	68.3	69.0	84.9	89.3
70.0	75.8	69.2	70.0	85.9	90.2
71.0	76.7	70.2	70.9	86.8	91.1
72.0	77.7	71.1	71.8	87.7	92.1
73.0	78.6	72.0	72.7	88.6	93.0
74.0	79.5	72.9	73.7	89.6	93.9
75.0	80.5	73.9	74.6	90.5	94.8
76.0	81.4	74.8	75.5	91.4	95.7
77.0	82.3	75.7	76.4	92.3	96.6
78.0	83.3	76.7	77.4	93.2	97.5
79.0	84.2	77.6	78.3	94.1	98.4
80.0	85.1	78.5	79.2	95.1	99.3
81.0	86.1	79.5	80.2	96.0	100.2
82.0	87.0	80.4	81.1	96.9	101.0
83.0	87.9	81.3	82.0	97.8	102.0
84.0	88.9	82.3	83.0	98.7	102.9
85.0	89.8	83.2	83.9	99.6	103.7
86.0	90.8	84.1	84.8	100.6	104.6
87.0	91.7	85.1	85.8	101.5	105.5
88.0	92.7	86.0	86.7	102.4	106.4
89.0	93.6	87.0	87.6	103.3	107.2
90.0	94.6	87.9	88.6	104.2	108.1
91.0	95.5	88.9	89.5	105.1	109.0
92.0	96.5	89.8	90.5	106.0	109.9
93.0	97.4	90.8	91.4	107.0	110.8
94.0	98.4	91.7	92.4	107.9	111.7
95.0	99.4	92.7	93.3	108.9	112.7
96.0	100.3	93.6	94.3	109.9	113.6
97.0	101.3	94.6	95.2	110.6	114.1
98.0	102.3	95.5	96.2	111.6	115.1
99.0	103.2	96.5	97.1	112.5	116.1
100.0	104.2	97.5	98.1	113.5	117.0

**Table S3. Predicted AHI<sub>3a</sub> with associated 90% and 95% prediction interval using an AHI<sub>3</sub> referent**

Referent AHI <sub>3</sub>	Predicted AHI <sub>3a</sub>	Lower 95% Prediction Interval	Lower 90% Prediction Interval	Upper 90% Prediction Interval	Upper 95% Prediction Interval
0.0	1.7	0.0	0.0	4.9	5.0
1.0	3.0	1.1	1.2	5.7	7.7
2.0	4.3	2.1	2.2	8.8	11.0
3.0	5.7	3.1	3.3	9.5	11.9
4.0	6.9	4.3	4.5	11.3	13.1
5.0	8.1	5.3	5.5	12.9	15.4
6.0	9.3	6.2	6.5	14.2	16.7
7.0	10.4	7.1	7.3	14.9	16.1
8.0	11.5	8.4	8.6	17.4	19.6
9.0	12.5	9.0	9.4	17.1	19.1
10.0	13.6	10.0	10.5	17.7	18.5
11.0	14.6	11.4	11.6	20.0	22.9
12.0	15.7	12.0	12.4	20.8	25.3
13.0	16.7	13.2	13.5	21.9	24.8
14.0	17.8	14.4	14.7	22.9	23.3
15.0	18.8	15.3	15.6	23.9	25.6
16.0	19.8	16.4	16.6	25.2	27.3
17.0	20.8	17.5	17.6	27.1	30.3
18.0	21.8	18.3	18.5	27.8	30.9
19.0	22.8	19.0	19.5	27.8	29.9
20.0	23.8	20.1	20.5	29.3	31.0
21.0	24.9	21.3	21.6	31.2	32.7
22.0	25.9	22.5	22.6	32.6	33.7
23.0	27.0	23.5	23.7	33.5	34.6
24.0	28.1	24.4	24.8	34.2	35.7
25.0	29.1	25.4	25.9	35.0	37.0
26.0	30.2	26.3	26.8	36.1	38.3
27.0	31.2	27.3	27.6	37.1	39.6
28.0	32.3	28.2	28.5	38.1	40.9
29.0	33.3	29.2	29.4	39.0	42.0
30.0	34.3	30.2	30.4	40.0	43.0
31.0	35.3	31.1	31.4	41.1	43.9
32.0	36.2	32.1	32.4	42.4	44.8
33.0	37.2	33.2	33.4	43.8	45.6
34.0	38.2	34.2	34.5	45.1	46.3
35.0	39.1	35.2	35.5	46.1	47.0
36.0	40.1	36.2	36.5	47.0	47.7
37.0	41.0	37.2	37.4	47.7	48.4
38.0	42.0	38.2	38.4	48.4	49.1
39.0	42.9	39.1	39.4	49.0	49.8
40.0	43.8	40.1	40.4	49.7	50.6
41.0	44.8	41.1	41.3	50.4	51.4
42.0	45.7	42.1	42.3	51.2	52.2
43.0	46.6	43.1	43.3	52.1	53.1
44.0	47.6	44.1	44.3	53.0	54.0
45.0	48.5	45.1	45.3	53.9	54.9
46.0	49.5	46.1	46.3	54.8	55.8
47.0	50.4	47.1	47.3	55.7	56.7
48.0	51.4	48.1	48.3	56.7	57.6
49.0	52.3	49.1	49.3	57.6	58.6

Table S3 Continued . . .

Referent AHI <sub>s</sub>	Predicted AHI <sub>3a</sub>	Lower 95% prediction interval	Lower 90% prediction interval	Upper 90% prediction interval	Upper 95% prediction interval
50.0	53.2	50.1	50.3	58.5	59.5
51.0	54.2	51.0	51.3	59.4	60.5
52.0	55.1	52.0	52.3	60.4	61.4
53.0	56.1	53.0	53.3	61.3	62.4
54.0	57.0	54.0	54.2	62.2	63.4
55.0	58.0	55.0	55.2	63.1	64.3
56.0	59.0	56.0	56.2	64.1	65.3
57.0	59.9	57.0	57.2	65.0	66.3
58.0	60.9	58.0	58.2	65.9	67.2
59.0	61.8	58.9	59.2	66.9	68.2
60.0	62.8	59.9	60.2	67.8	69.2
61.0	63.8	60.9	61.2	68.8	70.2
62.0	64.7	61.9	62.2	69.7	71.1
63.0	65.7	62.9	63.1	70.7	72.1
64.0	66.7	63.9	64.1	71.6	73.1
65.0	67.6	64.9	65.1	72.6	74.1
66.0	68.6	65.8	66.1	73.5	75.0
67.0	69.6	66.8	67.1	74.5	76.0
68.0	70.5	67.8	68.1	75.5	77.0
69.0	71.5	68.8	69.1	76.4	78.0
70.0	72.5	69.8	70.0	77.4	79.0
71.0	73.5	70.8	71.0	78.4	79.9
72.0	74.4	71.7	72.0	79.3	80.9
73.0	75.4	72.7	73.0	80.3	81.9
74.0	76.4	73.7	74.0	81.3	82.9
75.0	77.4	74.7	75.0	82.2	83.9
76.0	78.4	75.7	76.0	83.2	84.8
77.0	79.3	76.7	76.9	84.2	85.8
78.0	80.3	77.6	77.9	85.2	86.8
79.0	81.3	78.6	78.9	86.2	87.8
80.0	82.3	79.6	79.9	87.2	88.8
81.0	83.3	80.6	80.9	88.1	89.8
82.0	84.3	81.6	81.8	89.1	90.7
83.0	85.2	82.6	82.8	90.1	91.7
84.0	86.2	83.5	83.8	91.1	92.7
85.0	87.2	84.5	84.8	92.1	93.7
86.0	88.2	85.5	85.8	93.1	94.7
87.0	89.2	86.5	86.7	94.1	95.7
88.0	90.2	87.5	87.7	95.1	96.6
89.0	91.2	88.4	88.7	96.1	97.6
90.0	92.2	89.4	89.7	97.1	98.6
91.0	93.1	90.4	90.7	98.1	99.6
92.0	94.1	91.4	91.6	99.1	100.6
93.0	95.1	92.3	92.6	100.1	101.5
94.0	96.1	93.3	93.6	101.0	102.5
95.0	97.1	94.3	94.6	102.0	103.5
96.0	98.1	95.3	95.5	103.0	104.5
97.0	99.1	96.3	96.5	104.0	105.5
98.0	100.1	97.2	97.5	105.0	106.5
99.0	101.0	98.2	98.5	106.0	107.4
100.0	102.0	99.2	99.4	107.0	108.4

**Table S4. Predicted AHI<sub>4</sub> with associated 90% and 95% prediction interval using an AHI<sub>3</sub> referent**

Referent AHI <sub>3</sub>	Predicted AHI <sub>4</sub>	Lower 95% prediction interval	Lower 90% prediction interval	Upper 90% prediction interval	Upper 95% prediction interval
0.0	0.0	0.0	0.0	0.1	0.2
1.0	0.4	0.0	0.0	0.9	0.9
2.0	0.9	0.2	0.3	1.6	1.8
3.0	1.4	0.4	0.4	2.2	2.4
4.0	1.9	0.7	0.8	3.0	3.2
5.0	2.5	0.8	1.0	4.0	4.2
6.0	3.0	1.5	1.7	4.8	5.3
7.0	3.6	1.8	1.9	5.3	5.7
8.0	4.3	2.2	2.5	6.2	6.5
9.0	5.0	2.6	2.9	7.3	7.5
10.0	5.7	3.2	3.5	7.9	8.2
11.0	6.4	3.6	3.9	8.6	9.1
12.0	7.1	4.3	4.6	9.9	10.3
13.0	7.8	4.7	5.0	10.7	11.1
14.0	8.6	5.1	5.3	11.5	12.0
15.0	9.3	5.6	6.2	12.5	13.1
16.0	10.1	6.2	6.9	13.6	14.2
17.0	11.0	7.0	7.7	14.7	15.4
18.0	11.8	7.4	8.2	15.6	16.2
19.0	12.5	7.5	8.5	16.3	16.7
20.0	13.3	7.9	9.1	17.2	17.6
21.0	14.1	8.4	9.8	18.2	18.8
22.0	14.8	8.7	10.3	19.1	19.7
23.0	15.6	9.2	10.7	19.9	20.5
24.0	16.3	9.9	10.9	20.6	21.1
25.0	17.1	10.6	11.4	21.5	22.0
26.0	18.0	11.3	12.2	22.6	23.0
27.0	18.8	12.0	13.0	23.8	24.2
28.0	19.7	12.7	13.8	25.0	25.5
29.0	20.6	13.4	14.5	26.2	26.7
30.0	21.4	14.1	15.2	27.3	27.7
31.0	22.2	14.8	15.8	28.0	28.5
32.0	23.0	15.4	16.5	28.5	29.1
33.0	23.8	16.1	17.1	29.0	29.7
34.0	24.5	16.7	17.8	29.6	30.4
35.0	25.4	17.3	18.5	30.5	31.3
36.0	26.3	18.0	19.2	31.6	32.5
37.0	27.2	18.6	20.0	33.0	33.9
38.0	28.2	19.3	20.8	34.5	35.3
39.0	29.2	20.0	21.6	35.9	36.8
40.0	30.3	20.8	22.5	37.3	38.1
41.0	31.3	21.6	23.3	38.7	39.4
42.0	32.4	22.4	24.2	39.9	40.6
43.0	33.5	23.2	25.1	41.1	41.8
44.0	34.5	24.1	26.0	42.2	42.9
45.0	35.6	25.0	26.9	43.2	44.0
46.0	36.7	25.9	27.8	44.3	45.0
47.0	37.8	26.8	28.7	45.3	46.1
48.0	38.8	27.7	29.7	46.4	47.1
49.0	39.9	28.6	30.6	47.4	48.1

Table S4 Continued . . .

Referent AHI <sub>3</sub>	Predicted AHI <sub>4</sub>	Lower 90% prediction interval	Upper 90% prediction interval	Lower 95% prediction interval	Upper 95% prediction interval
50.0	41.0	29.5	31.5	48.5	49.1
51.0	42.1	30.4	32.5	49.5	50.2
52.0	43.1	31.3	33.4	50.5	51.2
53.0	44.2	32.2	34.3	51.6	52.2
54.0	45.2	33.1	35.3	52.6	53.2
55.0	46.3	34.1	36.2	53.6	54.3
56.0	47.4	35.0	37.2	54.7	55.3
57.0	48.4	36.0	38.2	55.7	56.3
58.0	49.5	36.9	39.1	56.7	57.3
59.0	50.5	37.9	40.1	57.8	58.3
60.0	51.6	38.8	41.0	58.8	59.4
61.0	52.6	39.8	42.0	59.8	60.4
62.0	53.7	40.8	43.0	60.9	61.4
63.0	54.7	41.7	44.0	61.9	62.4
64.0	55.8	42.7	45.0	62.9	63.5
65.0	56.8	43.7	46.0	64.0	64.5
66.0	57.9	44.7	47.0	65.0	65.5
67.0	58.9	45.7	48.0	66.0	66.5
68.0	60.0	46.7	49.0	67.1	67.6
69.0	61.0	47.7	50.0	68.1	68.6
70.0	62.0	48.7	51.0	69.1	69.6
71.0	63.1	49.7	52.0	70.2	70.7
72.0	64.1	50.7	53.0	71.2	71.7
73.0	65.2	51.7	54.0	72.2	72.7
74.0	66.2	52.7	55.1	73.3	73.8
75.0	67.2	53.8	56.1	74.3	74.8
76.0	68.3	54.8	57.1	75.3	75.8
77.0	69.3	55.8	58.1	76.4	76.9
78.0	70.3	56.8	59.2	77.4	77.9
79.0	71.4	57.9	60.2	78.4	78.9
80.0	72.4	58.9	61.3	79.5	80.0
81.0	73.4	60.0	62.3	80.5	81.0
82.0	74.5	61.0	63.3	81.5	82.0
83.0	75.5	62.0	64.4	82.6	83.1
84.0	76.5	63.1	65.4	83.6	84.1
85.0	77.6	64.1	66.5	84.6	85.1
86.0	78.6	65.2	67.5	85.7	86.2
87.0	79.6	66.2	68.6	86.7	87.2
88.0	80.6	67.3	69.6	87.7	88.2
89.0	81.7	68.4	70.7	88.8	89.3
90.0	82.7	69.4	71.7	89.8	90.3
91.0	83.7	70.5	72.8	90.8	91.4
92.0	84.7	71.5	73.8	91.9	92.4
93.0	85.8	72.6	74.9	92.9	93.4
94.0	86.8	73.7	75.9	93.9	94.5
95.0	87.8	74.7	77.0	95.0	95.5
96.0	88.8	75.8	78.1	96.0	96.5
97.0	89.8	76.8	79.1	97.0	97.5
98.0	90.9	77.9	80.2	98.1	98.6
99.0	91.9	79.0	81.2	99.1	99.6
100.0	92.9	80.0	82.3	100.1	100.7



**Table S5. Predicted AHI<sub>3</sub> with Associated 90% and 95% Prediction Interval Using an AHI<sub>3a</sub> Referent**

Referent AHI <sub>3a</sub>	Predicted AHI <sub>3</sub>	Lower 95% prediction interval	Lower 90% prediction interval	Upper 90% prediction interval	Upper 95% prediction interval
0.0	0.0	0.0	0.0	0.1	0.2
1.0	0.3	0.0	0.0	1.0	1.1
2.0	1.0	0.2	0.3	1.9	2.0
3.0	1.7	0.4	0.4	2.8	3.0
4.0	2.4	0.6	0.7	3.6	3.8
5.0	3.1	0.5	0.9	4.5	4.7
6.0	3.8	1.1	1.6	5.6	5.8
7.0	4.6	1.5	1.7	6.7	6.9
8.0	5.3	1.5	2.2	7.4	7.7
9.0	6.1	2.1	2.7	8.6	8.9
10.0	6.9	2.4	3.4	9.5	9.9
11.0	7.7	3.6	4.0	10.3	10.5
12.0	8.6	3.8	4.5	11.5	11.9
13.0	9.4	3.1	4.9	12.4	12.7
14.0	10.3	3.8	5.6	13.2	13.5
15.0	11.1	4.7	6.4	14.2	14.5
16.0	12.0	5.1	6.9	15.4	15.6
17.0	13.0	5.6	7.6	16.4	16.6
18.0	13.9	6.6	8.6	17.4	17.6
19.0	14.9	8.2	10.0	18.4	18.7
20.0	15.8	8.8	10.6	19.4	19.6
21.0	16.7	8.4	10.4	20.6	20.7
22.0	17.7	9.4	11.2	21.3	21.4
23.0	18.6	11.1	12.6	22.0	22.2
24.0	19.6	11.9	13.3	22.9	23.2
25.0	20.5	11.8	13.2	23.9	24.3
26.0	21.5	11.9	13.3	24.9	25.4
27.0	22.4	13.1	14.6	26.0	26.6
28.0	23.4	15.0	16.8	27.2	27.7
29.0	24.4	16.4	18.4	28.4	28.8
30.0	25.3	16.7	19.0	29.4	29.9
31.0	26.3	16.4	19.1	30.4	30.8
32.0	27.2	16.2	19.3	31.4	31.8
33.0	28.1	16.2	19.7	32.5	32.7
34.0	29.1	16.6	20.4	33.5	33.7
35.0	30.0	17.4	21.2	34.5	34.7
36.0	31.0	18.7	22.1	35.4	35.7
37.0	32.0	20.2	23.2	36.4	36.7
38.0	33.0	21.9	24.3	37.4	37.7
39.0	34.0	23.4	25.5	38.4	38.7
40.0	35.1	24.8	26.7	39.4	39.8
41.0	36.1	26.0	28.0	40.5	40.8
42.0	37.1	27.2	29.3	41.5	41.8
43.0	38.2	28.4	30.5	42.5	42.8
44.0	39.2	29.6	31.8	43.6	43.8
45.0	40.3	30.7	33.0	44.6	44.8
46.0	41.4	31.9	34.2	45.6	45.9
47.0	42.4	33.0	35.4	46.7	46.9
48.0	43.5	34.2	36.6	47.7	47.9
49.0	44.6	35.3	37.8	48.7	48.9

Table S5 Continued . . .

Referent AHI <sub>3a</sub>	Predicted AHI <sub>3</sub>	Lower 95% prediction interval	Lower 90% prediction interval	Upper 90% prediction interval	Upper 95% prediction interval
50.0	45.6	36.4	38.9	49.7	49.9
51.0	46.7	37.5	40.1	50.7	50.9
52.0	47.8	38.6	41.2	51.7	52.0
53.0	48.8	39.7	42.4	52.7	53.0
54.0	49.9	40.7	43.5	53.7	54.0
55.0	51.0	41.8	44.6	54.7	55.0
56.0	52.0	42.8	45.7	55.8	56.0
57.0	53.1	43.8	46.8	56.8	57.0
58.0	54.1	44.8	47.9	57.8	58.0
59.0	55.2	45.8	48.9	58.8	59.0
60.0	56.3	46.9	50.0	59.8	60.1
61.0	57.3	47.9	51.1	60.8	61.1
62.0	58.4	48.9	52.2	61.8	62.1
63.0	59.4	49.9	53.2	62.8	63.1
64.0	60.5	50.9	54.3	63.9	64.1
65.0	61.5	51.9	55.3	64.9	65.1
66.0	62.6	52.9	56.4	65.9	66.2
67.0	63.6	53.9	57.5	66.9	67.2
68.0	64.7	54.9	58.5	67.9	68.2
69.0	65.7	56.0	59.6	68.9	69.2
70.0	66.7	57.0	60.6	70.0	70.3
71.0	67.8	58.0	61.7	71.0	71.3
72.0	68.8	59.0	62.7	72.0	72.3
73.0	69.9	60.0	63.8	73.0	73.3
74.0	70.9	61.1	64.8	74.1	74.4
75.0	71.9	62.1	65.8	75.1	75.4
76.0	73.0	63.1	66.9	76.1	76.4
77.0	74.0	64.1	67.9	77.1	77.4
78.0	75.0	65.2	69.0	78.2	78.5
79.0	76.1	66.2	70.0	79.2	79.5
80.0	77.1	67.2	71.0	80.2	80.5
81.0	78.1	68.3	72.1	81.3	81.6
82.0	79.2	69.3	73.1	82.3	82.6
83.0	80.2	70.3	74.1	83.3	83.6
84.0	81.2	71.4	75.1	84.4	84.7
85.0	82.3	72.4	76.2	85.4	85.7
86.0	83.3	73.4	77.2	86.4	86.7
87.0	84.3	74.5	78.2	87.5	87.7
88.0	85.3	75.5	79.2	88.5	88.8
89.0	86.4	76.5	80.3	89.5	89.8
90.0	87.4	77.6	81.3	90.5	90.8
91.0	88.4	78.6	82.3	91.6	91.9
92.0	89.4	79.7	83.3	92.6	92.9
93.0	90.4	80.7	84.3	93.7	94.0
94.0	91.5	81.7	85.4	94.7	95.0
95.0	92.5	82.8	86.4	95.7	96.0
96.0	93.5	83.8	87.4	96.8	97.1
97.0	94.5	84.9	88.4	97.8	98.1
98.0	95.6	85.9	89.4	98.9	99.1
99.0	96.6	87.0	90.4	99.9	100.2
100.0	97.6	88.0	91.5	100.9	101.2

**Table S6. Predicted AHI<sub>4</sub> with associated 90% and 95% prediction interval using an AHI<sub>3a</sub> referent**

Referent AHI <sub>3a</sub>	Predicted AHI <sub>4</sub>	Lower 95% prediction interval	Lower 90% prediction interval	Upper 90% prediction interval	Upper 95% prediction interval
0.0	0.0	0.0	0.0	0.2	0.3
1.0	0.0	0.0	0.0	0.7	0.8
2.0	0.4	0.0	0.0	1.2	1.3
3.0	0.8	0.0	0.1	1.7	1.9
4.0	1.1	0.1	0.2	2.2	2.3
5.0	1.5	0.1	0.3	2.7	3.2
6.0	1.9	0.3	0.4	3.5	3.8
7.0	2.3	0.3	0.5	4.8	5.1
8.0	2.7	0.7	1.1	4.8	5.1
9.0	3.2	0.5	0.8	5.8	6.4
10.0	3.7	0.6	1.0	6.6	7.0
11.0	4.2	1.3	1.6	7.1	7.5
12.0	4.8	1.2	1.8	8.3	8.8
13.0	5.4	1.2	1.8	9.4	9.9
14.0	6.0	1.4	2.0	9.7	10.3
15.0	6.6	1.8	2.4	10.5	11.1
16.0	7.3	2.4	2.9	12.0	12.6
17.0	7.9	2.5	3.2	13.1	13.5
18.0	8.6	2.8	3.6	14.0	14.4
19.0	9.4	3.6	4.4	14.6	15.5
20.0	10.1	3.8	4.7	15.4	16.2
21.0	10.8	3.7	4.6	16.5	16.6
22.0	11.5	3.9	5.5	17.1	17.5
23.0	12.3	4.5	6.7	17.6	18.5
24.0	13.0	4.8	7.1	18.4	19.3
25.0	13.7	4.8	6.6	19.4	20.2
26.0	14.4	4.9	6.2	20.4	21.1
27.0	15.2	5.6	6.9	21.3	22.1
28.0	15.9	6.7	8.3	22.2	23.2
29.0	16.7	7.5	9.3	23.2	24.3
30.0	17.5	7.7	9.6	24.4	25.5
31.0	18.3	7.3	9.2	25.7	26.6
32.0	19.0	6.8	8.8	26.9	27.6
33.0	19.8	6.4	8.5	28.0	28.4
34.0	20.5	6.3	8.5	29.1	29.3
35.0	21.2	6.9	9.2	30.1	30.5
36.0	22.0	8.3	10.5	31.0	32.1
37.0	22.9	9.9	12.2	31.9	33.8
38.0	23.7	11.5	13.7	32.9	35.4
39.0	24.6	12.7	14.9	33.9	36.9
40.0	25.6	13.5	15.7	35.1	38.1
41.0	26.6	13.9	16.2	36.3	39.2
42.0	27.6	14.2	16.6	37.5	40.1
43.0	28.6	14.5	16.9	38.8	41.0
44.0	29.6	14.9	17.4	40.0	41.9
45.0	30.6	15.4	18.0	41.1	42.9
46.0	31.7	16.1	18.7	42.3	43.9
47.0	32.8	16.9	19.5	43.4	44.9
48.0	33.9	17.7	20.4	44.5	45.9
49.0	35.0	18.6	21.3	45.6	47.0

Table S6 Continued . . .

Referent AHI <sub>3a</sub>	Predicted AHI <sub>4</sub>	Lower 90% prediction interval	Upper 90% prediction interval	Lower 95% prediction interval	Upper 95% prediction interval
50.0	36.1	19.6	22.3	46.7	48.0
51.0	37.2	20.6	23.3	47.7	49.0
52.0	38.3	21.5	24.3	48.8	50.1
53.0	39.4	22.5	25.3	49.9	51.1
54.0	40.5	23.5	26.3	51.0	52.2
55.0	41.6	24.5	27.3	52.1	53.2
56.0	42.7	25.5	28.3	53.1	54.2
57.0	43.8	26.5	29.4	54.2	55.2
58.0	44.9	27.5	30.4	55.3	56.3
59.0	46.1	28.5	31.4	56.3	57.3
60.0	47.2	29.6	32.5	57.4	58.3
61.0	48.3	30.6	33.5	58.5	59.3
62.0	49.4	31.6	34.5	59.6	60.4
63.0	50.5	32.6	35.6	60.6	61.4
64.0	51.6	33.7	36.6	61.7	62.4
65.0	52.7	34.7	37.7	62.8	63.5
66.0	53.8	35.8	38.7	63.8	64.5
67.0	54.9	36.8	39.8	64.9	65.6
68.0	56.0	37.8	40.8	66.0	66.6
69.0	57.1	38.9	41.9	67.0	67.6
70.0	58.2	39.9	42.9	68.1	68.7
71.0	59.3	41.0	44.0	69.2	69.7
72.0	60.3	42.0	45.0	70.2	70.8
73.0	61.4	43.1	46.1	71.3	71.8
74.0	62.5	44.1	47.1	72.4	72.9
75.0	63.6	45.2	48.2	73.5	74.0
76.0	64.7	46.2	49.3	74.5	75.0
77.0	65.7	47.3	50.3	75.6	76.1
78.0	66.8	48.4	51.4	76.6	77.1
79.0	67.9	49.4	52.4	77.7	78.2
80.0	68.9	50.5	53.5	78.8	79.3
81.0	70.0	51.5	54.6	79.8	80.3
82.0	71.1	52.6	55.6	80.9	81.4
83.0	72.1	53.7	56.7	82.0	82.5
84.0	73.2	54.7	57.8	83.0	83.5
85.0	74.2	55.8	58.8	84.1	84.6
86.0	75.3	56.9	59.9	85.2	85.7
87.0	76.4	57.9	61.0	86.2	86.7
88.0	77.4	59.0	62.0	87.3	87.8
89.0	78.5	60.1	63.1	88.4	88.9
90.0	79.5	61.1	64.1	89.4	89.9
91.0	80.6	62.2	65.2	90.5	91.0
92.0	81.6	63.3	66.3	91.5	92.1
93.0	82.7	64.4	67.4	92.6	93.2
94.0	83.7	65.5	68.4	93.7	94.3
95.0	84.7	66.5	69.5	94.7	95.3
96.0	85.8	67.6	70.6	95.8	96.4
97.0	86.8	68.7	71.7	96.8	97.5
98.0	87.9	69.8	72.7	97.9	98.5
99.0	88.9	70.8	73.8	98.9	99.6
100.0	89.9	71.9	74.8	100.0	100.7