

Appendix 1: Number of medical visits associated with sleep problems

Age in years	Number of medical services for year by sleep problem				p-value <sup>1</sup>
	Mean (SE)		Mean difference <sup>1</sup> (95% CI)		
	Yes	No	Unadjusted	Adjusted <sup>1</sup>	
<b>B cohort</b>					
0	19 (1)	17 (0)	2 (1 to 3)	1 (0 to 2)	0.2
1	17 (1)	15 (1)	3 (0 to 5)	2 (-1 to 4)	0.2
2	12 (1)	9 (0)	3 (1 to 4)	1 (0 to 3)	0.05
3	10 (1)	9 (0)	2 (0 to 3)	0 (-1 to 2)	0.5
<b>K cohort</b>					
4	9 (0)	8 (0)	2 (1 to 3)	1 (0 to 2)	0.005
5	11 (1)	7 (0)	3 (1 to 6)	2 (0 to 4)	0.02
6	9 (1)	6 (0)	2 (1 to 4)	1 (-1 to 3)	0.2
7	7 (1)	6 (0)	1 (-1 to 2)	0 (-1 to 2)	0.7

<sup>1</sup> Costs adjusted for family socio-economic position and child gender, global health and special health care needs

Appendix 2: Association between health care costs (by subcategory) and sleep problems

Age in years	Costs of medical services for year by sleep problem				p-value <sup>1</sup>
	Mean (SE)		Mean difference <sup>1</sup> (95% CI)		
	Yes	No	Unadjusted	Adjusted <sup>1</sup>	
<b>Age 0</b>					
General Practitioner	331 (12)	295 (5)	36 (13 to 61)	23 (0.0 to 47)	0.05
Specialist	165 (10)	142 (6)	23 (2 to 44)	5 (14 to 25)	0.5
Other	103 (8)	84 (5)	19 (1 to 37)	5 (13 to 24)	0.5
<b>Age 1</b>					
General Practitioner	320 (21)	270 (9)	50 (6 to 94)	32 (-11 to 76)	0.1
Specialist	60 (15)	35 (4)	26 (-5 to 56)	19 (-8 to 46)	0.2
Other	54 (12)	43 (4)	11 (-14 to 36)	5 (20 to 31)	0.6
<b>Age 2</b>					
General Practitioner	240 (14)	190 (5)	50 (22 to 78)	25 (-2 to 51)	0.06
Specialist	41 (6)	25 (1)	16 (3 to 28)	8 (-2 to 19)	0.1
Other	53 (7)	36 (2)	16 (3 to 30)	7 (-4 to 19)	0.2
<b>Age 3</b>					
General Practitioner	202 (17)	169 (7)	33 (-1 to 68)	11 (-17 to 40)	0.4
Specialist	38 (9)	20 (2)	18 (1 to 35)	16 (1 to 32)	0.04
Other	45 (4)	63 (11)	17 (-7 to 42)	14 (-8 to 36)	0.2
<b>Age 4</b>					
General Practitioner	167 (7)	139 (3)	28 (14 to 42)	18 (5 to 31)	0.006
Specialist	47 (5)	24 (2)	23 (12 to 34)	14 (5 to 24)	0.003
Other	65 (8)	45 (3)	20 (7 to 34)	10 (-3 to 24)	0.1
<b>Age 5</b>					
General Practitioner	171 (16)	127 (5)	44 (11 to 76)	28 (-3 to 60)	0.07
Specialist	58 (13)	23 (3)	35 (8 to 62)	27 (2 to 53)	0.04
Other	75 (14)	43 (4)	32 (4 to 61)	31 (2 to 60)	0.04
<b>Age 6</b>					
General Practitioner	132 (12)	114 (4)	17 (-7 to 42)	-6 (-30 to 18)	0.6
Specialist	58 (9)	21 (2)	36 (19 to 54)	25 (9 to 41)	0.002
Other	88 (15)	46 (3)	42 (12 to 73)	31 (3 to 59)	0.03
<b>Age 7</b>					
General Practitioner	123 (11)	109 (3)	13 (-7 to 35)	-5 (-25 to 16)	0.6
Specialist	41 (7)	23 (3)	17 (4 to 30)	9 (-4 to 21)	0.2
Other	75 (16)	48 (3)	27 (-5 to 59)	21 (-10 to 54)	0.2

<sup>1</sup> Costs adjusted for family socio-economic position and child gender, global health and special health care needs

<sup>2</sup> All figures are in Australian dollars ((\$1 Australian = £0.65, November 2012))