Supplementary material

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1 Child data

1.1 BMI models

1.1.1 SEIFA predictor

1.1.1.1 Model details

linear mixed model (estimated using REML and nlminb optimizer) to predict bmi with sex, age_cat, sei and prs (formula: bmi ~ sex + (age_cat + sei + prs)^2). The model included waveC as random effects (formula: ~1 + waveC | hicid).

The model's total explanatory power is substantial (conditional R2 = 0.87) and the part related to the fixed
effects alone (marginal R2) is of 0.40

The model's intercept, corresponding to sex = 0, age_cat = 2-3, sei = 1 and prs = 1, is at 16.64 (95% CI [16.34, 16.94], p < .001).

Parameter	Coefficient	95% CI	z	Fit
(Intercept)	16.64	[16.34, 16.94]	108.62	
sex	-0.38	[-0.53, -0.24]	-5.30	
age cat [4-5]	-0.58	[-0.84, -0.32]	-4.35	
age cat [6-7]	-0.91	[-1.19, -0.62]	-6.21	
age cat [8-9]	-0.05	[-0.38, 0.28]	-0.27	
age cat [10-11]	0.82	[0.45, 1.19]	4.32	
age cat [12-13]	2.42	[1.99, 2.85]	11.05	
age cat [14+]	3.62	[3.13, 4.11]	14.51	
sei [2]	-0.12	[-0.45, 0.22]	-0.68	
sei [3]	-2.73e-03	[-0.34, 0.34]	-0.02	
sei [4]	0.03	[-0.32, 0.38]	0.16	
sei [5]	-8.23e-03	[-0.37, 0.36]	-0.04	
prs [2]	0.32	[-0.06, 0.70]	1.64	
prs [3]	0.28	[-0.09, 0.65]	1.49	
prs [4]	0.45	[0.07, 0.84]	2.32	
prs [5]	0.95	[0.58, 1.32]	5.02	

age cat [4-5] * sei [2]	0.03	[-0.24, 0.31]	0.22
age cat [6-7] * sei [2]	0.29	[0.01, 0.57]	2.04
age cat [8-9] * sei [2]	-0.06	[-0.37, 0.24]	-0.41
age cat [10-11] * sei [2]	0.05	[-0.26, 0.37]	0.33
age cat [12-13] * sei [2]	-0.31	[-0.66, 0.03]	-1.77
age cat [14+] * sei [2]	-0.13	[-0.51, 0.24]	-0.70
age cat [4-5] * sei [3]	-0.08	[-0.35, 0.20]	-0.55
age cat [6-7] * sei [3]	0.08	[-0.20, 0.36]	0.59
age cat [8-9] * sei [3]	-0.05	[-0.35, 0.26]	-0.30
age cat [10-11] * sei [3]	-0.15	[-0.47, 0.18]	-0.89
age cat [12-13] * sei [3]	-0.35	[-0.70, 0.01]	-1.91
age cat [14+] * sei [3]	-0.15	[-0.54, 0.24]	-0.77
age cat [4-5] * sei [4]	-0.06	[-0.34, 0.21]	-0.45
age cat [6-7] * sei [4]	0.19	[-0.09, 0.48]	1.35
age cat [8-9] * sei [4]	-0.13	[-0.44, 0.17]	-0.85
age cat [10-11] * sei [4]	-0.26	[-0.59, 0.06]	-1.59
age cat [12-13] * sei [4]	-0.44	[-0.81, -0.08]	-2.39
age cat [14+] * sei [4]	-0.10	[-0.50, 0.30]	-0.50
age cat [4-5] * sei [5]	0.07	[-0.20, 0.35]	0.54
age cat [6-7] * sei [5]	0.15	[-0.13, 0.44]	1.07
age cat [8-9] * sei [5]	-0.06	[-0.37, 0.26]	-0.36
age cat [10-11] * sei [5]	-0.26	[-0.59, 0.08]	-1.50
age cat [12-13] * sei [5]	-0.47	[-0.84, -0.09]	-2.42
age cat [14+] * sei [5]	-0.12	[-0.54, 0.30]	-0.57
age cat [4-5] * prs [2]	-0.07	[-0.34, 0.20]	-0.52
age cat [6-7] * prs [2]	-0.04	[-0.35, 0.28]	-0.23
age cat [8-9] * prs [2]	0.14	[-0.23, 0.51]	0.75
age cat [10-11] * prs [2]	0.35	[-0.08, 0.79]	1.60
age cat [12-13] * prs [2]	0.42	[-0.09, 0.93]	1.61
age cat [14+] * prs [2]	0.39	[-0.19, 0.98]	1.31
age cat [4-5] * prs [3]	0.04	[-0.23, 0.32]	0.31
age cat [6-7] * prs [3]	0.34	[0.02, 0.65]	2.11
age cat [8-9] * prs [3]	0.50	[0.13, 0.87]	2.66
age cat [10-11] * prs [3]	1.04	[0.60, 1.47]	4.68

age cat [12-13] * prs [3]	1.23	[0.72, 1.74]	4.71
age cat [14+] * prs [3]	1.53	[0.94, 2.11]	5.08
age cat [4-5] * prs [4]	0.01	[-0.26, 0.29]	0.08
age cat [6-7] * prs [4]	0.40	[0.09, 0.72]	2.50
age cat [8-9] * prs [4]	0.75	[0.38, 1.12]	3.95
age cat [10-11] * prs [4]	1.23	[0.79, 1.67]	5.54
age cat [12-13] * prs [4]	1.50	[0.99, 2.01]	5.77
age cat [14+] * prs [4]	1.80	[1.21, 2.38]	5.99
age cat [4-5] * prs [5]	0.23	[-0.04, 0.51]	1.66
age cat [6-7] * prs [5]	0.68	[0.36, 0.99]	4.21
age cat [8-9] * prs [5]	1.12	[0.75, 1.49]	5.88
age cat [10-11] * prs [5]	1.83	[1.39, 2.26]	8.22
age cat [12-13] * prs [5]	2.32	[1.81, 2.83]	8.89
age cat [14+] * prs [5]	2.49	[1.90, 3.08]	8.26
sei [2] * prs [2]	0.07	[-0.31, 0.44]	0.34
sei [3] * prs [2]	-0.13	[-0.53, 0.27]	-0.65
sei [4] * prs [2]	0.04	[-0.38, 0.46]	0.17
sei [5] * prs [2]	-0.22	[-0.67, 0.23]	-0.95
sei [2] * prs [3]	0.18	[-0.19, 0.56]	0.97
sei [3] * prs [3]	0.13	[-0.26, 0.53]	0.67
sei [4] * prs [3]	0.21	[-0.21, 0.63]	0.99
sei [5] * prs [3]	0.15	[-0.32, 0.61]	0.62
sei [2] * prs [4]	-0.03	[-0.41, 0.35]	-0.16
sei [3] * prs [4]	-0.15	[-0.55, 0.26]	-0.72
sei [4] * prs [4]	-0.17	[-0.59, 0.25]	-0.77
sei [5] * prs [4]	0.08	[-0.37, 0.54]	0.36
sei [2] * prs [5]	-0.07	[-0.45, 0.31]	-0.35
sei [3] * prs [5]	-0.37	[-0.76, 0.03]	-1.83
sei [4] * prs [5]	-0.47	[-0.88, -0.05]	-2.21
sei [5] * prs [5]	-0.24	[-0.69, 0.21]	-1.05
	0.85		
	1.15		
	2.17		
	0.57		

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                          |             |               |        |
AICc                      |             |               |        | 39804.88
R2 (conditional)          |             |               |        |     0.87
R2 (marginal)             |             |               |        |     0.40
Sigma                     |             |               |        |     1.15
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1.1.1.2 Table

Table 1: Estimated BMI (95% CI) across childhood by neighbourhood disadvantage (SEIFA) quintile (1=most, 5=least disadvantage), stratified by PRS quintile (1=lowest, 5=highest risk)

sei	prs	2-3	4-5	6-7	8-9	10-11	12-13	14+
1	1	16.4 (15.7, 16.9)	15.9 (15.4, 16.4)	15.6 (15.1, 16.2)	16.6 (15.6, 17.7)	17.6 (16.6, 18.8)	19.4 (18.1, 20.9)	20.0 (18.3, 22.3)
1	2	16.7 (16.2, 17.4)	16.1 (15.5, 16.6)	16.1 (15.5, 16.7)	17.0 (15.8, 18.1)	18.0 (16.2, 19.4)	19.4 (17.6, 21.2)	20.9 (18.7, 22.8)
1	3	16.7 (16.2, 17.2)	16.3 (15.8, 16.7)	16.3 (15.7, 16.9)	17.5 (16.5, 18.4)	18.7 (17.3, 20.1)	20.4 (18.6, 22.0)	22.2 (20.0, 24.0)
1	4	16.8 (15.9, 17.6)	16.5 (15.8, 17.2)	16.2 (15.5, 17.2)	17.9 (16.8, 19.2)	19.1 (17.2, 21.2)	21.0 (19.6, 22.5)	22.9 (21.0, 24.9)
1	5	17.3 (16.6, 18.0)	17.2 (16.5, 18.2)	17.7 (16.6, 19.1)	19.3 (18.0, 20.7)	21.3 (19.7, 23.0)	23.5 (21.4, 25.8)	24.2 (21.8, 27.0)
2	1	16.5 (15.9, 17.2)	15.9 (15.4, 16.6)	16.0 (15.3, 16.7)	16.2 (15.5, 17.3)	17.1 (16.5, 18.1)	18.3 (17.2, 19.4)	19.7 (18.3, 21.6)
2	2	16.7 (16.3, 17.1)	16.1 (15.7, 16.5)	16.0 (15.5, 16.7)	16.9 (16.3, 17.6)	18.1 (17.2, 19.0)	19.2 (18.5, 19.9)	20.6 (19.5, 21.6)
2	3	17.0 (16.2, 17.7)	16.4 (15.8, 17.1)	16.9 (16.3, 17.6)	17.7 (16.9, 18.6)	19.4 (18.3, 21.0)	20.6 (19.5, 22.0)	21.9 (20.2, 23.3)
2	4	17.0 (16.4, 17.5)	16.3 (15.7, 16.9)	17.1 (16.1, 18.0)	17.7 (16.7, 18.7)	19.5 (18.1, 21.1)	21.7 (20.0, 23.6)	23.4 (21.2, 25.5)
2	5	17.0 (16.3, 17.6)	17.0 (16.1, 18.0)	17.5 (16.5, 18.7)	18.4 (17.4, 19.5)	20.8 (19.4, 22.4)	22.2 (20.6, 24.3)	24.5 (22.2, 27.5)

sei	prs	2-3	4-5	6-7	8-9	10-11	12-13	14+
3	1	16.5 (16.0, 17.2)	15.9 (15.4, 16.6)	15.6 (15.0, 16.1)	16.5 (15.8, 17.2)	17.4 (16.2, 18.5)	18.6 (17.4, 19.7)	20.1 (18.6, 21.8)
3	2	16.7 (16.1, 17.3)	15.8 (15.4, 16.3)	15.8 (15.4, 16.2)	16.9 (16.3, 17.6)	18.0 (17.3, 18.8)	19.7 (18.7, 20.8)	21.0 (19.8, 22.5)
3	3	16.9 (16.4, 17.4)	16.4 (16.0, 16.8)	16.5 (15.8, 17.4)	17.1 (16.4, 18.0)	18.4 (17.6, 19.4)	20.1 (18.8, 21.4)	21.9 (20.4, 24.0)
3	4	16.8 (16.1, 17.5)	16.3 (15.4, 17.4)	16.5 (15.9, 17.1)	17.3 (16.6, 18.0)	18.8 (17.6, 20.0)	20.2 (18.7, 21.8)	21.9 (20.7, 23.1)
3	5	17.4 (16.8, 18.1)	16.9 (16.3, 17.6)	17.3 (16.2, 18.5)	18.0 (16.8, 19.1)	19.3 (17.4, 20.8)	21.9 (20.4, 23.9)	22.9 (20.7, 24.9)
4	1	16.5 (15.9, 17.0)	15.9 (15.5, 16.4)	16.1 (15.3, 16.8)	16.6 (15.8, 17.4)	17.0 (16.1, 18.2)	18.7 (17.7, 20.0)	20.6 (19.2, 22.2)
4	2	16.9 (16.4, 17.4)	16.1 (15.6, 16.7)	16.2 (15.7, 16.8)	16.9 (16.1, 17.9)	17.9 (16.9, 18.9)	19.2 (18.1, 20.5)	20.7 (19.2, 22.5)
4	3	17.0 (16.4, 17.6)	16.4 (15.9, 17.1)	16.3 (15.8, 16.9)	17.2 (16.3, 18.4)	18.7 (17.3, 20.5)	19.6 (18.7, 20.6)	21.7 (20.0, 23.9)
4	4	16.8 (16.3, 17.4)	16.1 (15.6, 16.6)	16.4 (15.9, 16.9)	17.6 (16.5, 19.0)	18.7 (17.6, 19.9)	20.1 (18.7, 21.8)	21.6 (20.2, 23.6)
4	5	17.0 (16.5, 17.5)	16.5 (15.9, 17.1)	16.7 (16.1, 17.3)	18.0 (17.1, 18.9)	19.2 (18.3, 20.1)	20.8 (19.4, 22.2)	22.8 (21.3, 24.3)
5	1	16.4 (16.0, 16.8)	15.9 (15.5, 16.4)	15.6 (15.0, 16.2)	16.4 (15.9, 17.0)	17.0 (16.4, 17.6)	18.5 (17.5, 19.4)	19.8 (18.8, 20.8)
5	2	16.5 (15.9, 17.1)	16.1 (15.5, 16.7)	16.0 (15.2, 16.8)	16.5 (15.8, 17.0)	17.5 (16.8, 18.3)	19.2 (18.4, 20.1)	20.6 (19.6, 21.6)
5	3	16.7 (15.9, 17.4)	16.1 (15.3, 16.8)	16.3 (15.6, 17.3)	17.3 (16.2, 19.1)	18.4 (17.2, 20.4)	20.2 (18.1, 23.1)	22.0 (19.7, 25.5)
5	4	16.8 (16.2, 17.3)	16.4 (15.8, 17.2)	16.6 (15.9, 17.4)	17.7 (17.0, 18.6)	18.7 (17.7, 20.0)	20.7 (19.3, 22.4)	22.2 (20.5, 24.5)
5	5	17.1 (16.7, 17.6)	16.6 (16.2, 17.2)	16.7 (16.1, 17.4)	17.7 (16.8, 18.5)	18.7 (17.5, 19.7)	20.7 (19.5, 22.1)	21.9 (20.8, 23.1)

1.1.2 SEP predictor

1.1.2.1 Model details

linear mixed model (estimated using REML and nlminb optimizer) to predict bmi with sex, age_cat, sep and prs (formula: bmi ~ sex + (age_cat + sep + prs)^2). The model included waveC as random effects (formula: ~1 + waveC | hicid).

The model's total explanatory power is substantial (conditional R2 = 0.87) and the part related to the fixed
effects alone (marginal R2) is of 0.40

The model's intercept, corresponding to sex = 0, age_cat = 2-3, sep = 1 and prs = 1, is at 16.62 (95% CI [16.32, 16.92], p < .001).

Parameter	Coefficient	95% CI	z	Fit
(Intercept)	16.62	[16.32, 16.92]	107.39	
sex	-0.38	[-0.52, -0.24]	-5.26	
age cat [4-5]	-0.60	[-0.86, -0.33]	-4.43	
age cat [6-7]	-0.83	[-1.11, -0.54]	-5.65	
age cat [8-9]	-0.10	[-0.42, 0.23]	-0.58	
age cat [10-11]	0.79	[0.42, 1.17]	4.15	
age cat [12-13]	2.36	[1.93, 2.79]	10.76	
age cat [14+]	3.34	[2.85, 3.83]	13.38	
sep [2]	-0.05	[-0.36, 0.26]	-0.32	
sep [3]	-0.07	[-0.41, 0.27]	-0.42	
sep [4]	0.08	[-0.27, 0.43]	0.44	
sep [5]	0.01	[-0.35, 0.38]	0.07	
prs [2]	0.19	[-0.18, 0.56]	1.02	
prs [3]	0.66	[0.29, 1.04]	3.45	
prs [4]	0.33	[-0.05, 0.70]	1.72	
prs [5]	0.73	[0.35, 1.10]	3.80	

age cat [4-5] * sep [2]	-0.03	[-0.31, 0.25]	-0.22
age cat [6-7] * sep [2]	0.05	[-0.24, 0.33]	0.32
age cat [8-9] * sep [2]	0.13	[-0.16, 0.43]	0.89
age cat [10-11] * sep [2]	0.09	[-0.21, 0.40]	0.59
age cat [12-13] * sep [2]	-0.21	[-0.53, 0.12]	-1.25
age cat [14+] * sep [2]	0.33	[-0.01, 0.68]	1.89
age cat [4-5] * sep [3]	0.12	[-0.16, 0.39]	0.83
age cat [6-7] * sep [3]	0.02	[-0.26, 0.31]	0.15
age cat [8-9] * sep [3]	-0.04	[-0.34, 0.26]	-0.26
age cat [10-11] * sep [3]	-0.14	[-0.45, 0.18]	-0.85
age cat [12-13] * sep [3]	-0.17	[-0.51, 0.17]	-0.99
age cat [14+] * sep [3]	0.20	[-0.17, 0.57]	1.07
age cat [4-5] * sep [4]	0.08	[-0.19, 0.35]	0.58
age cat [6-7] * sep [4]	0.15	[-0.13, 0.43]	1.04
age cat [8-9] * sep [4]	-0.03	[-0.33, 0.27]	-0.20
age cat [10-11] * sep [4]	-0.14	[-0.46, 0.18]	-0.87
age cat [12-13] * sep [4]	-0.32	[-0.67, 0.03]	-1.81
age cat [14+] * sep [4]	0.39	[0.00, 0.77]	1.98
age cat [4-5] * sep [5]	0.01	[-0.26, 0.28]	0.09
age cat [6-7] * sep [5]	0.08	[-0.20, 0.37]	0.56
age cat [8-9] * sep [5]	-0.08	[-0.38, 0.23]	-0.49
age cat [10-11] * sep [5]	-0.22	[-0.56, 0.11]	-1.33
age cat [12-13] * sep [5]	-0.50	[-0.87, -0.14]	-2.70
age cat [14+] * sep [5]	-0.03	[-0.43, 0.37]	-0.15
age cat [4-5] * prs [2]	-0.07	[-0.35, 0.20]	-0.53
age cat [6-7] * prs [2]	-0.01	[-0.33, 0.30]	-0.07
age cat [8-9] * prs [2]	0.12	[-0.25, 0.49]	0.64
age cat [10-11] * prs [2]	0.30	[-0.13, 0.74]	1.36
age cat [12-13] * prs [2]	0.43	[-0.08, 0.94]	1.64
age cat [14+] * prs [2]	0.45	[-0.14, 1.04]	1.48
age cat [4-5] * prs [3]	0.02	[-0.25, 0.29]	0.13
age cat [6-7] * prs [3]	0.33	[0.02, 0.65]	2.09
age cat [8-9] * prs [3]	0.49	[0.12, 0.86]	2.59
age cat [10-11] * prs [3]	1.04	[0.60, 1.47]	4.67

age cat [12-13] * prs [3]	1.21	[0.70, 1.72]	4.65
age cat [14+] * prs [3]	1.52	[0.93, 2.11]	5.04
age cat [4-5] * prs [4]	-4.16e-03	[-0.28, 0.27]	-0.03
age cat [6-7] * prs [4]	0.42	[0.11, 0.74]	2.64
age cat [8-9] * prs [4]	0.75	[0.38, 1.12]	3.94
age cat [10-11] * prs [4]	1.22	[0.79, 1.66]	5.51
age cat [12-13] * prs [4]	1.49	[0.98, 2.00]	5.71
age cat [14+] * prs [4]	1.80	[1.21, 2.39]	5.99
age cat [4-5] * prs [5]	0.20	[-0.07, 0.47]	1.43
age cat [6-7] * prs [5]	0.67	[0.35, 0.98]	4.14
age cat [8-9] * prs [5]	1.10	[0.73, 1.48]	5.79
age cat [10-11] * prs [5]	1.81	[1.37, 2.24]	8.11
age cat [12-13] * prs [5]	2.27	[1.75, 2.78]	8.66
age cat [14+] * prs [5]	2.46	[1.87, 3.06]	8.16
sep [2] * prs [2]	0.10	[-0.22, 0.41]	0.60
sep [3] * prs [2]	0.18	[-0.20, 0.57]	0.95
sep [4] * prs [2]	-0.11	[-0.53, 0.31]	-0.52
sep [5] * prs [2]	0.16	[-0.29, 0.62]	0.70
sep [2] * prs [3]	-0.25	[-0.59, 0.08]	-1.47
sep [3] * prs [3]	-0.25	[-0.65, 0.14]	-1.25
sep [4] * prs [3]	-0.37	[-0.79, 0.05]	-1.75
sep [5] * prs [3]	-0.36	[-0.82, 0.11]	-1.51
sep [2] * prs [4]	0.16	[-0.17, 0.48]	0.96
sep [3] * prs [4]	0.13	[-0.25, 0.51]	0.66
sep [4] * prs [4]	0.02	[-0.40, 0.43]	0.07
sep [5] * prs [4]	0.04	[-0.42, 0.50]	0.17
sep [2] * prs [5]	0.16	[-0.17, 0.49]	0.96
sep [3] * prs [5]	0.03	[-0.36, 0.42]	0.17
sep [4] * prs [5]	-0.13	[-0.54, 0.29]	-0.59
sep [5] * prs [5]	-0.10	[-0.57, 0.37]	-0.42
	0.85		
	1.15		
	2.17		
	0.57		

```
                          |             |               |         |
AICc                      |             |               |         | 39636.84
R2 (conditional)          |             |               |         |     0.87
R2 (marginal)             |             |               |         |     0.40
Sigma                     |             |               |         |     1.15
```

1.1.2.2 Table

Table 2: Estimated BMI (95% CI) across childhood by family disadvantage (SEP) quintile (1=most, 5=least disadvantage), stratified by PRS quintile (1=lowest, 5=highest risk)

sep	prs	2-3	4-5	6-7	8-9	10-11	12-13	14+
1	1	16.6 (16.1, 17.1)	16.1 (15.4, 16.9)	16.1 (15.4, 17.1)	17.2 (16.0, 19.0)	17.8 (16.4, 19.7)	19.5 (17.9, 21.4)	20.2 (17.9, 23.3)
1	2	16.7 (16.3, 17.1)	16.1 (15.6, 16.7)	16.0 (15.3, 16.9)	16.8 (16.1, 17.6)	17.7 (16.7, 18.6)	19.3 (18.3, 20.3)	21.2 (19.8, 22.4)
1	3	17.3 (16.7, 17.8)	16.7 (16.2, 17.4)	17.1 (16.1, 18.3)	18.3 (16.9, 20.0)	19.9 (18.3, 21.7)	21.4 (19.4, 23.5)	23.4 (20.8, 25.7)
1	4	16.9 (16.0, 17.9)	16.4 (15.6, 17.5)	16.7 (15.8, 17.8)	18.0 (17.1, 19.0)	19.7 (18.3, 21.2)	21.5 (19.9, 23.1)	23.0 (21.6, 24.4)
1	5	17.1 (16.5, 17.6)	17.0 (16.3, 17.9)	17.6 (16.6, 18.8)	18.6 (17.2, 19.9)	21.3 (19.6, 23.4)	23.1 (21.1, 25.2)	24.7 (22.2, 27.3)
2	1	16.4 (15.7, 17.1)	16.0 (15.4, 16.4)	15.6 (14.9, 16.1)	16.4 (15.7, 17.2)	17.5 (16.8, 18.3)	18.5 (17.7, 19.5)	20.7 (19.1, 22.9)
2	2	16.7 (16.1, 17.3)	15.9 (15.4, 16.4)	16.0 (15.5, 16.7)	16.8 (15.9, 17.7)	18.0 (17.0, 18.8)	19.3 (18.2, 20.3)	19.9 (18.4, 21.3)
2	3	16.7 (15.9, 17.6)	16.3 (15.5, 17.3)	16.6 (15.9, 17.4)	17.7 (17.0, 18.7)	19.0 (17.7, 20.4)	20.2 (19.1, 21.3)	22.2 (20.0, 24.6)
2	4	16.8 (16.1, 17.4)	16.1 (15.4, 17.0)	16.7 (16.0, 17.4)	17.6 (16.7, 18.5)	18.8 (17.7, 20.2)	20.2 (18.8, 21.7)	21.7 (20.6, 23.0)
2	5	17.6 (16.7, 18.5)	17.3 (16.5, 18.0)	17.8 (16.9, 18.7)	18.9 (17.8, 20.2)	20.2 (18.9, 21.4)	22.4 (20.7, 24.9)	24.0 (21.9, 26.1)

sep	prs	2-3	4-5	6-7	8-9	10-11	12-13	14+
3	1	16.3 (15.6, 17.0)	15.7 (15.1, 16.3)	15.6 (15.0, 16.2)	16.2 (15.6, 16.9)	16.9 (16.2, 17.6)	18.8 (18.0, 19.8)	19.9 (18.8, 21.1)
3	2	16.6 (16.0, 17.3)	16.2 (15.7, 16.6)	15.8 (15.3, 16.2)	16.8 (16.3, 17.3)	17.7 (16.5, 18.9)	19.1 (17.9, 20.3)	20.7 (19.0, 22.2)
3	3	16.8 (16.2, 17.6)	16.4 (15.8, 17.0)	16.4 (15.8, 17.2)	16.8 (15.8, 17.8)	18.6 (17.2, 20.0)	19.7 (18.4, 20.8)	20.8 (19.3, 22.0)
3	4	16.9 (16.4, 17.3)	16.4 (15.9, 16.9)	16.3 (15.7, 17.2)	17.6 (16.7, 18.8)	18.6 (17.6, 19.9)	20.1 (18.6, 22.1)	22.2 (20.1, 24.8)
3	5	17.0 (16.2, 17.8)	16.7 (15.9, 17.4)	16.9 (16.1, 17.6)	18.4 (17.5, 19.6)	19.7 (18.5, 21.2)	21.9 (20.3, 24.3)	22.7 (21.3, 24.4)
4	1	16.6 (16.0, 17.2)	16.0 (15.5, 16.5)	15.6 (15.1, 16.0)	16.4 (15.7, 17.1)	16.9 (16.0, 17.7)	18.1 (16.9, 19.2)	19.8 (18.5, 21.5)
4	2	16.8 (16.3, 17.3)	15.9 (15.5, 16.4)	16.2 (15.6, 17.0)	16.6 (15.6, 17.8)	18.0 (16.7, 19.6)	19.4 (17.9, 21.0)	20.6 (18.7, 22.6)
4	3	16.8 (16.2, 17.4)	16.2 (15.7, 16.8)	16.2 (15.6, 16.8)	17.0 (16.3, 17.8)	18.0 (17.2, 19.0)	19.8 (18.3, 21.4)	22.1 (20.7, 23.5)
4	4	16.9 (16.4, 17.4)	16.5 (16.0, 17.1)	17.0 (16.2, 17.8)	18.0 (16.8, 19.2)	19.2 (18.0, 20.3)	21.6 (20.3, 23.2)	23.0 (20.5, 26.1)
4	5	17.0 (16.5, 17.5)	16.7 (16.3, 17.3)	16.7 (16.1, 17.4)	17.6 (16.8, 18.8)	19.1 (17.8, 20.3)	20.7 (19.5, 22.1)	22.2 (20.6, 23.7)
5	1	16.4 (16.0, 16.7)	15.9 (15.5, 16.2)	15.8 (15.4, 16.3)	16.3 (15.7, 17.0)	17.2 (16.3, 18.2)	18.8 (17.8, 19.8)	19.8 (18.7, 20.8)
5	2	16.9 (16.4, 17.3)	16.2 (15.8, 16.5)	16.0 (15.5, 16.5)	16.9 (16.3, 17.5)	17.8 (17.1, 18.5)	19.3 (18.2, 20.2)	20.9 (19.9, 21.9)
5	3	16.6 (15.8, 17.2)	16.0 (15.4, 16.5)	16.0 (15.5, 16.5)	16.7 (16.0, 17.3)	18.1 (17.3, 18.9)	19.4 (18.4, 20.6)	21.0 (19.8, 22.5)
5	4	16.8 (16.3, 17.3)	16.1 (15.5, 16.7)	16.3 (15.7, 17.2)	17.2 (16.5, 18.2)	18.4 (17.5, 19.6)	20.2 (19.0, 22.0)	21.9 (20.6, 23.1)
5	5	16.9 (16.5, 17.5)	16.4 (15.5, 17.0)	16.6 (15.7, 17.3)	17.6 (16.6, 18.5)	19.0 (17.7, 20.1)	20.5 (18.9, 21.8)	22.4 (21.1, 24.0)

1.1.3 Figures

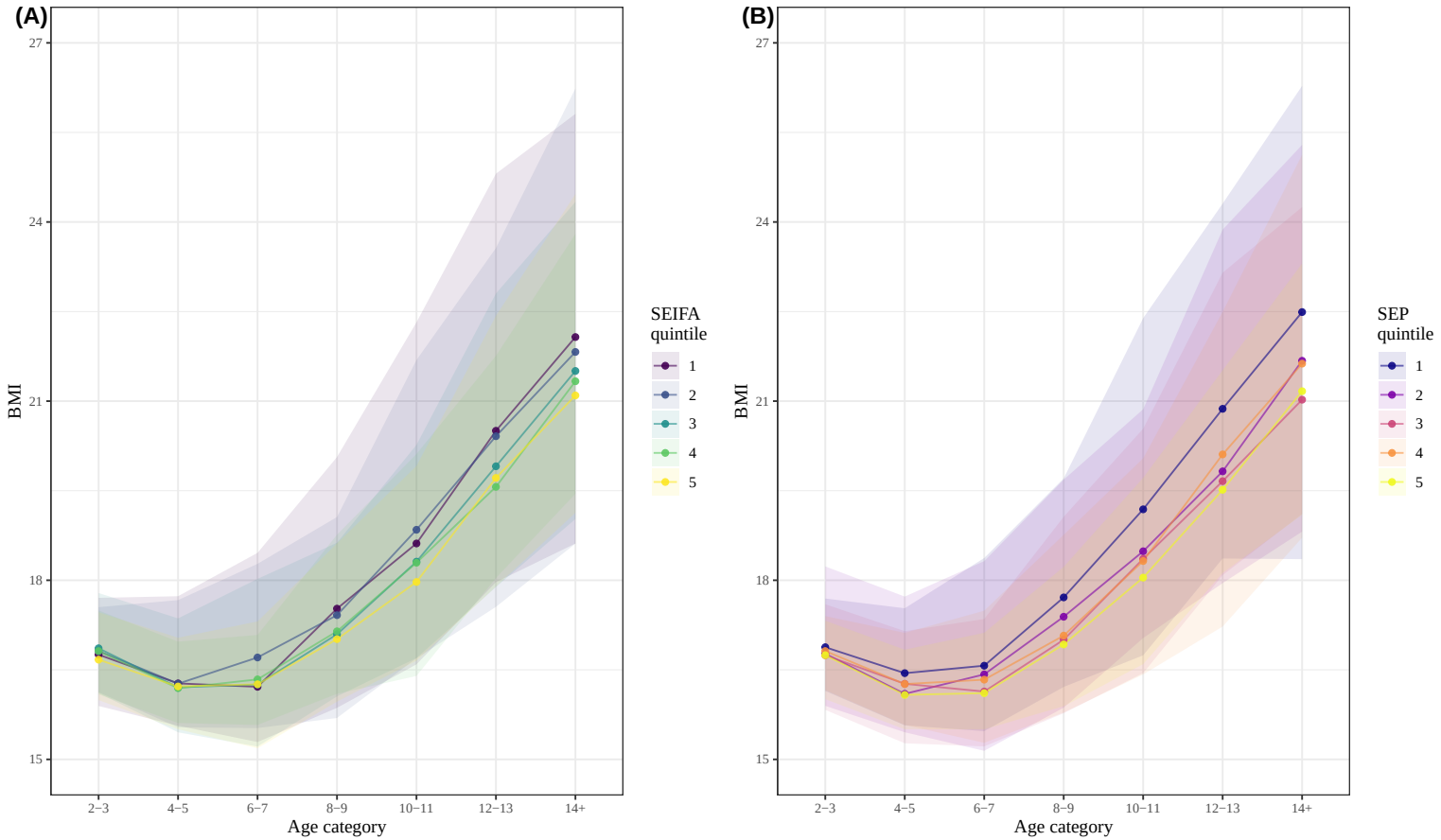

Figure 1: Association of SEIFA neighbourhood disadvantage (Panel A) and SEP family disadvantage (Panel B) with BMI across childhood. In all cases quintile 1 represents the most disadvantage.

2 Session info

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sessionInfo()
```

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R version 4.2.2 (2022-10-31 ucrt)
Platform: x86_64-w64-mingw32/x64 (64-bit)
Running under: Windows 10 x64 (build 19044)

Matrix products: default

locale:
[1] LC_COLLATE=English_Australia.utf8  LC_CTYPE=English_Australia.utf8
[3] LC_MONETARY=English_Australia.utf8 LC_NUMERIC=C
[5] LC_TIME=English_Australia.utf8

attached base packages:
[1] stats     graphics  grDevices utils     datasets  methods   base

other attached packages:
[1] arrow_11.0.0.2 stringi_1.7.12 knitr_1.42     tidyr_1.3.0    ggpubr_0.6.0
[6] ggplot2_3.4.1  forcats_1.0.0  dplyr_1.1.0

loaded via a namespace (and not attached):
 [1] pillar_1.8.1      compiler_4.2.2    tools_4.2.2       bit_4.0.5
 [5] digest_0.6.31     viridisLite_0.4.1 jsonlite_1.8.4    evaluate_0.20
 [9] lifecycle_1.0.3   tibble_3.1.8      gtable_0.3.1      pkgconfig_2.0.3
[13] rlang_1.0.6       cli_3.6.0         rstudioapi_0.14   yaml_2.3.7
[17] xfun_0.37         fastmap_1.1.0     withr_2.5.0       generics_0.1.3
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[25] tidyselect_1.2.0  glue_1.6.2        R6_2.5.1          rstatix_0.7.2
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