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Table 1. Descriptive statistics for Finnish- and Swedish-speaking adolescents according to living region.

	Finnish-speaking			p-value	Swedish-speaking		p-value
	Southern Finland, %	Central Finland, %	Northern Finland, %		Southern Finland, %	Ostrobothnia and Åland, %	
All	44.9	36.8	18.3		59.5	40.5	
Gender				0.516			0.650
Boys	48.5	49.8	50.9		51.0	49.7	
Girls	51.5	50.2	49.1		49.0	50.3	
Total	100.0	100.0	100.0		100.0	100.0	
(n)	(1731)	(1417)	(705)		(668)	(455)	
Age				0.184			0.149
13	46.9	49.1	50.8		53.1	48.6	
15	53.1	50.9	49.2		46.9	51.4	
Total	100.0	100.0	100.0		100.0	100.0	
(n)	(1718)	(1395)	(695)		(646)	(442)	
Self-rated SES				0.026*			0.863
Not very well or not at all well off	7.1	8.2	6.6		6.2	6.5	
Average	24.7	28.4	24.1		19.6	20.8	
Well or very well off	68.2	63.4	69.4		74.2	72.7	
Total	100.0	100.0	100.0		100.0	100.0	
(n)	(1710)	(1406)	(702)		(662)	(447)	
Family affluence scale (FAS)				<0.001***			0.178
Low 20%	24.7	32.2	35.2		14.2	14.3	
Medium 60%	55.2	57.8	57.1		61.5	66.1	
High 20%	20.2	10.0	7.7		24.4	19.6	
Total	100.0	100.0	100.0		100.0	100.0	
(n)	(1675)	(1371)	(687)		(636)	(419)	
Educational aspirations				<0.001***			<0.001***
Academic	65.9	57.5	55.9		67.1	55.0	
Vocational	27.2	34.3	34.8		25.0	33.7	
Don't know, other	6.9	8.2	9.3		7.9	11.3	
Total	100.0	100.0	100.0		100.0	100.0	
(n)	(1708)	(1392)	(698)		(660)	(451)	
Self-rated health				0.015*			0.029*
Poor	1.6	2.5	1.4		1.7	0.9	
Fair	14.1	15.9	12.0		7.7	10.2	
Good	59.6	60.8	61.1		66.3	71.0	
Excellent	24.6	20.8	25.4		24.3	17.9	
Total	100.0	100.0	100.0		100.0	100.0	
(n)	(1712)	(1408)	(700)		(662)	(452)	

*** $p \leq 0.001$, ** $p < 0.01$, * $p < 0.05$

Table 2. Distributions (%) of perceived health and health literacy among Finnish- and Swedish-speaking adolescents according to gender and region.

	Finnish-speaking								Swedish-speaking															
	Boys				Girls				Total				Boys				Girls				Total			
	Southern Finland	Central Finland	Northern Finland	p	Southern Finland	Central Finland	Northern Finland	p	Southern Finland	Central Finland	Northern Finland	p	Southern Finland	Ostrobothnia, Åland	p	Southern Finland	Ostrobothnia, Åland	p	Southern Finland	Ostrobothnia, Åland	p			
Health				0.008**				0.536				0.015*			0.175			0.023*			0.011*			
Good/fair/poor	71.5	77.2	69.3		78.9	81.1	80.0		75.4	79.2	74.6		71.5	76.7		80.0	87.3		75.7	82.1				
Excellent	28.5	22.8	30.7		21.1	18.9	20.0		24.6	20.8	25.4		28.5	23.3		20.0	12.7		24.3	17.9				
Total	100.0	100.0	100.0		100.0	100.0	100.0		100.0	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0				
(n)	(822)	(698)	(355)		(890)	(710)	(345)		(1712)	(1408)	(700)		(337)	(223)		(325)	(229)		(662)	(452)				
Health literacy				0.200				0.179				0.021*			<0.001***			0.002**			<0.001***			
Low	13.1	13.1	9.5		8.2	8.6	6.1		10.5	10.8	7.8		8.0	14.4		5.3	11.3		6.7	12.8				
Moderate	53.2	56.3	59.3		55.9	60.4	60.2		54.6	58.4	59.8		51.9	64.6		56.1	62.4		54.0	63.5				
High	33.7	30.5	31.2		35.9	31.0	33.6		34.9	30.8	32.4		40.1	21.1		38.6	26.2		39.4	23.7				
Total	100.0	100.0	100.0		100.0	100.0	100.0		100.0	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0				
(n)	(802)	(678)	(349)		(882)	(697)	(342)		(1684)	(1375)	(691)		(324)	(209)		(321)	(221)		(645)	(430)				

*** $p \leq 0.001$, ** $p < 0.01$, * $p < 0.05$

Table 3. Variables associated with perceived excellent health for Finnish- and Swedish-speaking *boys*, odds ratios (OR) and 95% confidence intervals (CI). Age-adjusted multivariate logistic regression.

	Model 1			Model 2			Model 3			Model 4			Model 5		
	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p
<i>Finnish-speaking sample - BOYS</i>															
Living region															
- Southern Finland	Ref.			Ref.			Ref.			Ref.			Ref.		
- Central Finland	0.740	0.585–0.936	0.012*	0.744	0.581–0.952	0.019*	0.772	0.608–0.980	0.033*	0.781	0.614–0.992	0.043*	0.795	0.617–1.023	0.075
- Northern Finland	1.132	0.861–1.448	0.376	1.063	0.858–1.317	0.575	1.148	0.870–1.514	0.328	1.218	0.923–1.607	0.164	1.243	0.929–1.663	0.144
Health literacy															
- Low				Ref.									Ref.		
- Moderate				1.818	1.435–2.784	0.006							1.798	1.146–2.821	0.011*
- High				4.876	3.169–7.503	<0.001***							4.347	2.749–6.873	<0.001***
Self-rated SES															
- Average/not well off/not at all well off							Ref.						Ref.		
- Well/very well off							2.003	1.558–2.575	<0.001***				1.770	1.356–2.309	<0.001***
Educational aspirations															
- Vocational/don't know/other										Ref.			Ref.		
- Academic										1.654	1.336–2.048	<0.001***	1.415	1.128–1.776	0.003**
<i>Swedish-speaking sample - BOYS</i>															
Living region															
- Southern Finland	Ref.			Ref.			Ref.			Ref.			Ref.		
- Ostrobothnia and Åland	0.744	0.499–1.107	0.145	0.943	0.616–1.446	0.789	0.767	0.512–1.148	0.197	0.808	0.537–1.215	0.305	1.048	0.675–1.627	0.834
Health literacy															
- Low				Ref.									Ref.		
- Moderate				1.121	0.531–2.366	0.764							1.258	0.554–2.857	0.584
- High				2.688	1.247–5.796	0.012*							2.880	1.239–6.692	0.014*
Self-rated SES															
- Average/not well off/not at all well off							Ref.						Ref.		
- Well/very well off							1.444	0.868–2.401	0.157				1.389	0.812–2.376	0.230
Educational aspirations															
- Vocational/don't know/other										Ref.			Ref.		
- Academic										1.937	1.290–2.910	0.001***	1.812	1.175–2.795	0.007**

*** $p \leq 0.001$, ** $p < 0.01$, * $p < 0.05$

All models adjusted for age

Table 4. Variables associated with perceived excellent health for Finnish- and Swedish-speaking *girls*, odds ratios (OR) and 95% confidence intervals (CI). Age-adjusted multivariate logistic regression.

	Model 1			Model 2			Model 3			Model 4			Model 5		
	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p
<i>Finnish-speaking sample - GIRLS</i>															
Living region	Ref.			Ref.			Ref.			Ref.			Ref.		
- Southern Finland	0.897	0.699–1.150	0.391	0.955	0.735–1.241	0.732	0.920	0.716–1.182	0.516	0.946	0.735–1.218	0.668	1.001	0.767–1.305	0.994
- Central Finland	0.929	0.680–1.271	0.646	0.960	0.693–1.330	0.806	0.918	0.670–1.257	0.593	0.997	0.710–1.346	0.888	0.970	0.695–1.354	0.856
- Northern Finland															
Health literacy															
- Low				Ref.									Ref.		
- Moderate				3.227	1.435–7.033	<0.003**							2.699	1.231–5.916	0.013*
- High				11.946	5.490–25.995	<0.001***							9.481	4.327–20.774	<0.001***
Self-rated SES															
- Average/not well off/not at all well off							Ref.						Ref.		
- Well/very well off							1.799	1.402–2.310	<0.001***				1.511	1.162–1.964	0.002**
Educational aspirations															
- Vocational/don't know/other										Ref.			Ref.		
- Academic										2.310	1.734–3.076	<0.001***	1.814	1.342–2.453	<0.001***
<i>Swedish-speaking sample - GIRLS</i>															
Living region	Ref.			Ref.			Ref.			Ref.			Ref.		
- Southern Finland	0.576	0.355–0.932	0.025*	0.686	0.410–1.145	0.149	0.551	0.337–0.901	0.018*	0.656	0.401–1.074	0.094	0.734	0.431–1.251	0.256
- Ostrobothnia and Åland															
Health literacy															
- Low				Ref.									Ref.		
- Moderate				0.816	0.269–2.478	0.720							0.896	0.252–3.194	0.866
- High				3.731	1.255–11.090	0.018*							3.767	1.074–13.218	0.038*
Self-rated SES															
- Average/not well off/not at all well off							Ref.						Ref.		
- Well/very well off							2.226	1.275–3.888	0.005**				2.140	1.164–3.931	0.014*
Educational aspirations															
- Vocational/don't know/other										Ref.			Ref.		
- Academic										3.147	1.615–6.132	0.001***	2.412	1.200–4.846	0.013*

*** $p \leq 0.001$, ** $p < 0.01$, * $p < 0.05$

All models adjusted for age