

Tabla 1. Participants' Socio-demographic Characteristics

		Cohort 1993 9 years old (n=72)	Cohort 1989 13 years old (n=79)
<i>Original Population</i>	<i>Male</i>	64 (52.9%)	78 (53.1%)
	<i>Female</i>	57 (47.1%)	69 (46.9%)
<i>Child</i>			
Sex	<i>Male</i>	59.7%	51.9%
Ethnic group	<i>Caucasian</i>	97.2%	98.7%
	<i>Hispanic</i>	1.4%	0.0%
	<i>Gypsy</i>	1.4%	1.3%
Born in Catalonia		95.8%	96.2%
Child's language is Catalan		15.7%	6.3%
<i>Parents-caretakers</i>			
Socio-economic status ¹	<i>High/ Mean- High</i>	1.4%	7.8%
	<i>Mean</i>	12.9%	7.8%
	<i>Mean-low/Low</i>	85.7%	84.4%
Biological Mother Level of education	<i>None or less than primary</i>	12.9%	27.3%
	<i>Primary</i>	71.4%	57.2%
	<i>High-school</i>	8.6%	13.0%
	<i>University</i>	7.1%	2.5%
Biological Father Level of education	<i>None or less than primary</i>	16.4%	15.3%
	<i>Primary</i>	65.6%	66.7%
	<i>High-school</i>	16.5%	12.4%
	<i>University</i>	1.5%	5.6%
Both biological parents live at home		85.7%	87.9%
Reconstructed family		5.6%	7.7%
One parent family		10.1%	5.6%
Mother understands Catalan		74.6%	72.7%
Father understands Catalan		85.7%	73.1%
Mother unemployed		43.5%	39.5%
Father unemployed		12.1%	13.7%
Mother receives social help		14.7%	21.6%
Father receives social help		9.4%	16.7%
Mean age of biological mother (SD)		37.20 (5.5)	40.20 (6.3)
Mean age of biological father (SD)		39.70 (5.6)	44.14 (6.7)
Mean number of biological brothers/sisters (SD)		2.04 (1.1)	2.31 (1.1)
Mean number of persons in the family (SD)		4.42 (1.3)	4.95 (1.7)

¹ (Hollingshead, 1975)

Table 2. Prevalences of DSM-IV Disorders, Functional Impairment and Means of Symptoms by Sex and Age in 1993 Cohort.

Prevalences (%)	Total			Girls			Boys			Prevalence Ratios (Boys/Girls)		
	9 years (N=72)	10 years (N=70)	11 years (N=65)	9 years (N=29)	10 years (N=29)	11 years (N=27)	9 years (N=43)	10 years (N=41)	11 years (N=38)	9 years	10 years	11 years
Any disorder	62.5 (50.3;73.6)	40.0 (28.5; 52.4)	32.3 (21.2; 45.1)	47.1 (29.8; 64.9)	30.3 (15.6; 48.7)	25.8 (11.9; 44.6)	76.3 (59.8; 88.6)	48.7 (31.9; 65.6)	38.2 (22.2; 56.4)	*1.6 (1.1; 2.4)	1.6 (0.9; 3.0)	1.5 (0.7; 3.1)
Disruptive Behavioral dis	27.8 (17.9; 39.6)	20.0 (11.4; 31.3)	10.8 (4.4; 20.9)	20.6 (8.7; 37.9)	15.2 (5.1; 31.9)	6.5 (.8; 21.4)	34.2 (19.6; 51.4)	24.3 (11.8; 41.2)	14.7 (5.0; 31.1)	1.7 (0.8; 3.7)	1.6 (0.6; 4.3)	2.3 (0.5; 10.9)
Substances	0 (0; 5.0)	0 (0; 5.1)	0 (0; 5.5)	0 (0; 10.3)	0 (0; 10.6)	0 (0; 11.2)	0 (0; 9.3)	0 (0; 9.5)	0 (0; 10.3)	---	---	---
Depressive disorders	1.4 (.04; 7.5)	0 (0; 5.1)	1.5 (.04; 8.3)	0 (0; 10.3)	0 (0; 10.6)	0 (0; 11.2)	2.6 (.07; 13.8)	0 (0; 9.5)	2.9 (.07; 15.3)	---	---	---
Anxiety disorders	36.1 (25.1; 48.3)	21.4 (12.5; 32.9)	18.5 (9.9; 30.0)	38.2 (22.2; 56.4)	18.3 (7.0; 35.5)	22.6 (9.6; 41.1)	34.2 (19.6; 51.4)	24.3 (11.8; 41.2)	14.7 (5.0; 31.1)	0.9 (0.5; 1.7)	1.3 (0.5; 3.4)	0.7 (0.2; 1.8)
Eating disorders	0 (0; 5.0)	1.4 (.04; 7.7)	1.5 (.04; 8.3)	0 (0; 10.3)	3.0 (0.1; 15.8)	3.2 (.08; 16.7)	0 (0; 9.3)	0 (0; 9.5)	0 (0; 10.3)	---	---	---
Elimination disorders	12.5 (5.9; 22.4)	4.3 (.9; 12.0)	4.6 (1.0; 12.9)	11.8 (3.3; 27.5)	3.0 (0.1; 15.8)	0 (0; 11.2)	13.2 (4.4; 28.1)	5.4 (.7; 18.2)	8.8 (1.9; 23.7)	1.1 (0.3; 3.8)	1.8 (0.2; 18.8)	---
Tics disorders	2.8 (.3; 9.7)	4.3 (.9; 12.0)	6.2 (1.7; 15.0)	0 (0; 10.3)	0 (0; 10.6)	0 (0; 11.2)	5.3 (.6; 17.7)	8.1 (1.7; 21.9)	11.8 (3.3; 27.5)	---	---	---
ADHD ¹	23.6 (14.4; 35.1)	14.3 (7.1; 24.7)	9.2 (3.5; 19.0)	17.7 (6.8; 34.5)	9.1 (1.9; 24.3)	3.2 (.08; 16.7)	28.9 (15.4; 45.9)	18.9 (8.0; 35.2)	14.7 (5.0; 31.1)	1.6 (0.7; 4.0)	2.1 (0.6; 7.4)	4.6 (0.6; 36.9)
Combined	9.7 (4.0; 19.0)	4.3 (.89; 12.0)	3.1 (.37; 10.7)	5.9 (.72; 19.7)	0 (0; 10.6)	0 (0; 11.6)	13.2 (4.4; 28.1)	8.1 (1.7; 21.9)	5.7 (.70; 19.2)	2.2 (0.5; 10.8)	---	---
Inattentive	8.3 (3.1; 17.3)	8.6 (3.2; 17.7)	6.1 (1.7; 15.0)	11.8 (3.3; 27.5)	9.1 (1.9; 24.3)	3.2 (0; 17.2)	5.3 (.64; 17.7)	8.1 (1.7; 21.9)	8.5 (1.8; 23.1)	0.4 (0.1; 2.3)	0.9 (0.2; 4.1)	2.6 (0.3; 23.4)
Hyperactive	5.6 (1.5; 13.6)	2.9 (.35; 9.9)	0 (0; 11.6)	0 (0; 10.3)	0 (0; 10.6)	0 (0; 11.6)	10.5 (2.9; 24.8)	5.4 (.66; 18.2)	0 (0; 10.0)	---	---	---
Oppositional disorder	9.7 (4.0; 19.0)	5.7 (1.6; 14.0)	4.6 (1.0; 12.9)	5.9 (.7; 19.7)	3.0 (0.1; 15.8)	3.2 (.08; 16.7)	13.2 (4.4; 28.1)	8.1 (1.7; 21.9)	5.9 (.7; 19.7)	2.2 (0.5; 10.8)	2.7 (0.3; 24.5)	1.8 (0.2; 19.1)
Conduct disorder	0 (0; 5.0)	0 (0; 5.1)	1.5 (.04; 8.3)	0 (0; 10.3)	0 (0; 10.6)	3.2 (.08; 16.7)	0 (0; 09.3)	0 (0; 9.5)	0 (0; 10.3)	---	---	---
Major Depression	1.4 (.04; 7.5)	0 (0; 5.1)	1.5 (.03; 8.3)	0 (0; 10.3)	0 (0; 10.6)	0 (0; 11.2)	2.3 (.07; 13.8)	0 (0; 9.5)	2.9 (.07; 15.3)	---	---	---
Separation anxiety	9.7 (4.0; 19.0)	5.7 (1.6; 14.0)	3.1 (.4; 10.7)	5.9 (.7; 19.7)	3.0 (0.1; 15.8)	3.2 (.08; 16.7)	13.2 (4.4; 28.1)	8.1 (1.7; 21.9)	2.9 (.07; 15.3)	2.2 (0.5; 10.8)	2.7 (0.3; 24.5)	0.9 (0.1; 14.0)
Generalized anxiety	5.6 (1.5; 13.6)	1.4 (.04; 7.7)	1.5 (.04; 8.3)	2.9 (.07; 15.3)	3.0 (0.1; 15.8)	0 (0; 11.2)	7.9 (1.7; 21.4)	0 (0; 9.5)	2.9 (.07; 15.3)	2.7 (0.3; 24.7)	---	---
Specific phobia	29.7 (19.0; 41.1)	20.0 (11.4; 31.3)	15.4 (7.6; 26.5)	32.4 (17.4; 50.5)	15.2 (5.1; 31.9)	16.1 (5.5; 33.7)	26.3 (13.4; 43.1)	24.3 (11.8; 41.2)	14.7 (5.0; 31.1)	0.8 (0.4; 1.7)	1.6 (0.6; 4.3)	0.9 (0.3; 2.9)
Social phobia	4.2 (.9; 11.7)	1.4 (.04; 7.7)	3.1 (.4; 10.7)	2.9 (.07; 15.3)	0 (0; 10.6)	0 (0; 11.2)	5.3 (.6; 17.7)	2.7 (.07; 14.2)	5.9 (.7; 19.7)	1.8 (0.2; 18.9)	---	---
Obsessive-compulsive	2.8 (.3; 9.7)	0 (0; 5.1)	1.5 (.04; 8.3)	2.9 (.07; 15.3)	0 (0; 10.6)	3.2 (.08; 16.7)	2.6 (.07; 13.8)	0 (0; 9.5)	0 (0; 10.3)	0.9 (0.1; 13.8)	---	---
Total disorders: 1	34.7 (23.9; 46.9)	25.7 (16.0; 37.6)	21.2 (12.1; 33.0)	21.2 (9.0; 38.9)	21.2 (9.0; 38.9)	19.4 (7.5; 37.5)	46.2 (30.1; 62.8)	29.7 (15.9; 47.0)	22.9 (10.4; 40.1)	*2.2 (1.1; 4.6)	1.4 (0.6; 3.2)	1.2 (0.5; 3.1)
2	19.4 (11.1; 30.5)	12.9 (6.1; 23.0)	4.6 (.9; 12.7)	24.2 (11.1; 42.3)	9.1 (1.9; 24.3)	3.2 (.1; 16.7)	15.4 (5.9; 30.5)	16.2 (6.2; 32.0)	5.7 (.7; 19.2)	0.6 (0.3; 1.6)	1.8 (0.5; 6.6)	1.8 (0.2; 18.6)
≥3	13.9 (6.9; 24.1)	1.4 (0; 7.7)	6.1 (1.7; 14.8)	9.1 (1.9; 24.3)	0 (0; 10.6)	3.2 (.1; 16.7)	17.9 (7.5; 33.5)	2.7 (.1; 14.2)	8.6 (1.8; 23.1)	2.0 (0.6; 7.1)	---	2.7 (0.3; 24.25)
CGAS < 70	27.8 (17.9; 39.6)	25.7 (16.0; 37.6)	23.1 (13.5; 35.2)	23.5 (10.7; 41.2)	24.2 (11.1; 42.3)	19.4 (7.5; 37.5)	31.6 (17.5; 48.7)	27.0 (13.8; 44.1)	26.5 (12.9; 44.4)	1.3 (0.6; 2.9)	1.1 (0.5; 2.5)	1.4 (0.6; 3.4)
Subthreshold	1.4 (0; 7.5)	7.1 (2.4; 15.9)	12.3 (5.5; 22.8)	2.9 (0.1; 15.3)	9.1 (1.9; 24.3)	16.1 (5.5; 33.7)	0 (0; 9.3)	5.4 (.7; 18.2)	8.8 (1.9; 23.7)	---	0.6 (0.1; 3.3)	0.6 (0.1; 2.1)
Use of services	20.8 (12.2; 32.0)	24.3 (14.8; 36.0)	29.2 (18.6; 41.8)	17.6 (6.8; 34.5)	21.2 (9.0; 38.9)	25.8 (11.9; 44.6)	23.7 (11.4; 40.2)	27.0 (13.8; 44.1)	32.4 (17.4; 50.5)	1.3 (0.5; 3.4)	1.3 (0.5; 3.0)	1.3 (0.6; 2.7)
Quantitative measures (x)												
Number of disorders	1.3 (1.0 a 1.6)	0.6 (0.4; 0.8)	0.5 (0.3; 0.7)	1.0 (0.6 a 1.4)	0.4 (0.2; 0.7)	0.4 (0.1; 0.6)	1.4 (1.0 a 1.9)	0.7 (0.4; 1.0)	0.6 (0.3; 1.0)			
External. symptoms	7.5 (6.0 a 9.1)	5.0 (3.7; 6.3)	3.8 (2.5; 5.0)	5.9 (3.8 a 8.0)	3.4 (1.7; 5.1)	3.0 (1.5; 4.6)	*9.0 (6.8 a 11.2)	*6.3 (4.4; 8.3)	4.5 (2.5; 6.5)			
Internal. symptoms	6.3 (5.0 a 7.5)	2.4 (1.7; 3.1)	2.1 (1.4; 2.8)	6.0 (4.2 a 7.7)	2.5 (1.4; 3.5)	2.0 (1.1; 2.8)	6.5 (4.8 a 8.3)	2.3 (1.4; 3.2)	2.2 (1.1; 3.3)			
Total symptoms	13.8 (11.6 a 16.0)	7.3 (5.7; 9.0)	5.9 (4.4; 7.3)	11.8 (8.7 a 15.0)	5.9 (3.5; 8.3)	5.0 (3.2; 6.8)	15.5 (12.5 a 18.6)	8.6 (6.4; 10.8)	6.7 (4.4; 9.0)			

¹ADHD = Attention-deficit and hyperactivity disorder; * The comparison boys versus girls is significant (P<0.05). --- The statistic could not be estimated (at least one prevalence is zero). In brackets, 95% confidence intervals.

Table 3. Prevalences of DSM-IV Disorders, Functional Impairment and Means of Symptoms by Sex and Age in 1989 Cohort.

Prevalences (%)	Total			Girls			Boys			Prevalence Ratios (Boys/Girls)		
	13 years (N=79)	14 years (N=72)	15 years (N=61)	13 years (N=38)	14 years (N=35)	15 years (N=31)	13 years (N=41)	14 years (N=37)	15 years (N=30)	13 years	14 years	15 years
Any disorder	48.1 (36.7; 59.6)	40.3 (28.9; 52.5)	30.0 (18.8; 43.2)	48.7 (31.9; 65.6)	47.1 (29.8; 64.9)	25.0 (10.7; 44.9)	47.6 (32.0; 63.6)	34.2 (19.6; 51.4)	34.4 (18.6; 53.2)	0.9 (0.6; 1.6)	0.7 (0.4; 1.3)	1.4 (0.6; 3.1)
Disruptive Behavioral dis	24.1 (15.1; 35.0)	19.4 (11.1; 30.5)	15.0 (7.1; 26.6)	16.2 (6.2; 32.0)	17.6 (6.8; 34.5)	3.6 (.09; 18.3)	30.9 (17.6; 47.1)	21.1 (9.6; 37.3)	25.0 (11.5; 43.4)	1.9 (0.8; 4.5)	1.2 (0.5; 3.1)	7.0 (0.9; 52.6)
Substances	0 (0; 4.6)	5.6 (1.5; 13.6)	6.6 (1.8; 15.9)	0 (0; 9.5)	2.9 (.07; 15.3)	0 (0; 11.9)	0 (0; 8.4)	7.9 (1.7; 21.4)	12.5 (3.5; 29.0)	---	2.7 (0.3; 24.6)	---
Depressive disorders	3.9 (.8; 11.1)	14.1 (7.0; 24.4)	5.0 (1.0; 13.9)	5.7 (.7; 19.2)	26.5 (12.9; 44.4)	7.1 (.9; 23.5)	2.4 (.06; 12.9)	2.7 (.07; 14.2)	3.1 (.08; 16.2)	0.4 (0.04; 4.5)	*0.1 (0.01; 0.8)	0.4 (0.04; 4.6)
Anxiety disorders	27.8 (18.3; 39.1)	16.7 (8.9; 27.3)	13.1 (5.8; 24.2)	32.4 (18.0; 49.8)	20.6 (8.7; 37.9)	20.7 (8.0; 39.7)	23.8 (12.1; 39.5)	13.2 (4.4; 28.1)	6.3 (.8; 20.8)	0.7 (0.4; 1.5)	0.6 (0.2; 1.8)	0.3 (0.07; 1.4)
Eating disorders	1.3 (.03; 6.9)	0 (0; 5.0)	0 (0; 5.9)	2.8 (.07; 14.5)	0 (0; 10.3)	0 (0; 11.9)	0 (0; 8.4)	0 (0; 9.3)	0 (0; 10.9)	---	---	---
Elimination disorders	1.3 (.03; 6.9)	0 (0; 5.0)	0 (0; 5.9)	0 (0; 9.5)	0 (0; 10.3)	0 (0; 11.9)	2.4 (.06; 12.6)	0 (.0; 9.3)	0 (0; 10.9)	---	---	---
Tics disorders	2.5 (.3; 8.8)	5.6 (1.5; 13.6)	1.6 (.04; 8.8)	2.7 (.06; 14.2)	8.8 (1.9; 23.7)	0 (0; 11.9)	2.4 (.06; 12.6)	2.6 (.07; 13.8)	3.1 (.08; 16.2)	0.9 (0.06; 13.6)	0.3 (0.03; 2.7)	---
ADHD ¹	15.2 (8.1; 25.0)	14.1 (7.0; 24.4)	6.6 (1.8; 15.9)	8.1 (1.7; 21.9)	14.7 (5.0; 31.1)	3.5 (.09; 17.8)	21.4 (10.3; 36.8)	13.5 (4.5; 28.8)	9.4 (2.0; 25.0)	2.6 (0.8; 9.04)	0.9 (0.3; 2.9)	2.7 (0.3; 24.7)
Combined	2.5 (.31; 8.8)	5.6 (1.6; 13.8)	0 (0; 5.9)	0 (0; 9.5)	0 (0; 10.3)	0 (0; 11.9)	4.8 (.58; 16.2)	10.8 (3.0; 25.4)	0 (0; 10.9)	---	---	---
Inattentive	7.6 (2.8; 15.8)	4.2 (.88; 11.9)	4.9 (1.0; 13.7)	0 (0; 9.5)	5.9 (.72; 19.7)	3.5 (.09; 17.8)	14.3 (5.4; 28.5)	2.7 (.07; 14.2)	6.2 (.77; 20.8)	---	0.5 (0.04; 4.8)	1.8 (0.2; 19.0)
Hyperactive	5.1 (1.4; 12.5)	4.3 (.88; 11.9)	1.7 (.04; 8.8)	8.1 (1.7; 21.9)	8.8 (1.9; 23.7)	0 (0; 11.9)	2.3 (0; 12.6)	0 (0; 9.5)	3.2 (.08; 16.2)	0.3 (0.03; 2.7)	---	---
Oppositional disorder	16.5 (9.1; 26.5)	9.7 (4.0; 19.0)	10.2 (3.8; 20.8)	16.2 (6.2; 32.0)	2.9 (.07; 15.3)	0 (0; 12.3)	16.7 (7.0; 31.4)	15.8 (6.0; 31.3)	19.4 (7.5; 37.5)	1.0 (0.4; 2.8)	5.4 (0.7; 42.4)	---
Conduct disorder	1.3 (.03; 6.9)	4.2 (.9; 11.7)	1.6 (.04; 8.8)	0 (0; 9.5)	0 (.0; 10.3)	0 (0; 11.9)	2.4 (.06; 12.6)	7.9 (1.7; 21.4)	3.1 (.08; 16.2)	---	---	---
Major Depression	2.6 (.3; 9.2)	14.1 (7.0; 24.4)	5.0 (1.0; 13.9)	2.9 (.07; 14.9)	26.5 (12.9; 44.4)	7.1 (.9; 23.5)	2.4 (.06; 12.9)	2.7 (.07; 14.2)	3.1 (.08; 16.2)	0.9 (.06; 13.2)	0.1 (0.01; 0.8)	0.4 (0.04; 4.6)
Separation anxiety	3.8 (.8; 10.7)	1.4 (.04; 7.5)	0 (.0; 5.9)	2.7 (.07; 14.2)	0 (0; 10.3)	0 (0; 11.9)	4.8 (.6; 16.2)	2.6 (.07; 13.8)	0 (0; 10.9)	1.8 (0.2; 18.7)	---	---
Generalized anxiety	11.4 (5.3; 20.5)	6.9 (2.3; 15.5)	8.2 (2.7; 18.1)	18.9 (8.0; 35.2)	11.8 (3.3; 27.5)	13.8 (3.9; 31.7)	4.8 (.6; 16.2)	2.6 (.07; 13.8)	3.1 (.08; 16.2)	.3 (.06; 1.1)	0.2 (0.03; 1.9)	0.2 (0.03; 1.9)
Specific phobia	13.9 (7.2; 23.5)	6.9 (2.3; 15.5)	4.9 (1.0; 13.7)	13.5 (4.5; 28.8)	5.9 (.7; 19.7)	6.9 (.8; 22.8)	14.3 (5.4; 28.5)	7.9 (1.7; 21.4)	3.1 (.08; 16.2)	1.1 (0.4; 3.2)	1.3 (0.2; 7.6)	0.5 (0.04; 4.7)
Social phobia	8.9 (3.6; 17.4)	4.2 (.9; 11.7)	4.9 (1.0; 13.7)	10.8 (3.0; 25.4)	8.8 (1.9; 23.7)	10.4 (2.2; 27.4)	7.1 (1.5; 19.5)	0 (0; 9.3)	0 (0; 10.9)	0.7 (0.2; 2.8)	---	---
Obsessive-compulsive	2.5 (.3; 8.8)	0 (0; 5.0)	0 (.0; 5.9)	2.7 (.07; 14.2)	0 (0; 10.3)	0 (0; 11.9)	2.4 (.06; 12.6)	0 (0; 9.3)	0 (0; 10.9)	0.9 (.06; 13.6)	---	---
Total disorders: 1	19.0 (11.0; 29.4)	23.6 (14.4; 35.1)	14.7 (7.0; 26.2)	21.1 (9.6; 37.3)	29.4 (15.1; 47.5)	13.8 (3.9; 31.7)	17.1 (7.2; 32.1)	18.4 (7.7; 34.3)	15.6 (5.3; 32.8)	0.8 (0.3; 2.0)	0.6 (0.3; 1.5)	1.1 (0.3; 3.8)
2	12.7 (6.2; 22.0)	12.5 (5.9; 22.4)	11.5 (4.7; 22.2)	13.2 (4.4; 28.1)	14.7 (5.0; 31.1)	13.8 (3.9; 31.7)	12.2 (4.1; 26.2)	10.5 (2.9; 24.8)	9.4 (2.0; 25.0)	0.9 (0.3; 2.9)	0.7 (0.2; 2.5)	0.7 (0.2; 2.8)
≥3	16.5 (9.1; 26.5)	5.6 (1.5; 13.6)	3.3 (4; 11.3)	13.2 (4.4; 28.1)	5.9 (.7; 19.7)	0 (0; 11.9)	19.5 (8.8; 34.9)	5.3 (.6; 17.7)	6.3 (.8; 20.8)	1.5 (0.5; 4.1)	0.9 (0.1; 6.0)	---
CGAS < 70	35.4 (25.0; 47.0)	30.6 (20.2; 42.5)	26.2 (15.8; 39.1)	32.4 (18.0; 49.8)	29.4 (15.1; 47.5)	20.7 (8.0; 39.7)	38.1 (23.6; 54.4)	31.6 (17.5; 48.7)	31.3 (16.1; 50.0)	1.2 (0.6; 2.2)	1.1 (0.5; 2.2)	1.5 (0.6; 3.6)
Subthreshold	2.5 (.3; 8.8)	5.6 (1.5; 13.6)	0 (0; 6.0)	0 (0; 9.5)	2.9 (.1; 15.3)	0 (0; 12.3)	4.8 (.6; 16.2)	7.9 (1.7; 21.4)	0 (0; 10.9)	---	2.7 (0.3; 24.6)	---
Use of services	11.4 (5.3; 20.5)	11.1 (4.9; 20.7)	14.8 (7.0; 26.2)	10.8 (3.0; 25.4)	5.9 (.7; 19.7)	10.3 (2.2; 27.4)	11.9 (4.0; 25.6)	15.8 (6.0; 31.3)	18.8 (7.2; 36.4)	1.1 (0.3; 3.8)	2.7 (0.6; 12.4)	1.8 (0.5; 6.6)
Quantitative measures (x)												
Number of disorders	1.2 (0.9; 1.6)	0.8 (0.5; 1.1)	0.5 (0.3; 0.7)	1.2 (0.6; 1.7)	0.9 (0.4; 1.4)	0.4 (0.1; 0.7)	1.3 (0.8; 1.7)	0.7 (0.3; 1.1)	0.6 (0.2; 1.0)			
External. symptoms	8.1 (6.6; 9.6)	5.5 (3.9; 7.2)	3.7 (2.4; 5.1)	6.2 (4.1; 8.2)	4.5 (2.6; 6.5)	2.2 (0.9; 3.5)	9.8 (7.6; 11.9)	6.4 (3.8; 9.0)	*5.0 (2.8; 7.3)			
Internal. symptoms	7.1 (5.5; 8.7)	2.7 (1.8; 3.6)	3.0 (1.9; 4.1)	7.4 (4.9; 9.8)	3.7 (2.1; 5.4)	4.0 (2.1; 5.9)	6.8 (4.7; 9.0)	1.8 (1.0; 2.7)	2.1 (1.0; 3.3)			
Total symptoms	15.2 (12.8; 17.9)	8.3 (6.2; 10.3)	6.9 (4.8; 8.9)	13.6 (10.1; 17.0)	8.3 (5.5; 11.1)	6.5 (3.7; 9.2)	16.6 (13.4; 19.8)	8.2 (5.1; 11.4)	7.2 (4.1; 10.3)			

¹ADHD = Attention-deficit and hyperactivity disorder; * The comparison boys versus girls is significant (P<0.05). --- The statistic could not be estimated (at least one prevalence is zero). In brackets, 95% confidence intervals.

Table 4. Risks and rates (month⁻¹) for groups of disorders, by age and sex.

Risks (‰)	Total				Girls				Boys			
	9 years	10 years	13 years	14 years	9 years	10 years	13 years	14 years	9 years	10 years	13 years	14 years
Any disorder	76.9 (9; 251)	286 (157; 446)	184 (77; 343)	139 (47; 295)	118 (15; 364)	304 (132; 529)	278 (97; 535)	66.7 (2; 319)	0 (0; 336)	263 (91; 512)	100 (12; 317)	191 (54; 419)
Disruptive Behavioral dis	60.0 (13; 165)	57.7 (12; 159)	72.7 (20; 176)	40.0 (5; 137)	38.5 (1; 196)	76.9 (9; 251)	107 (23; 282)	0 (0; 142)	83.3 (10; 270)	38.5 (1; 196)	37.0 (1; 190)	76.9 (9; 251)
Substances	0 (0; 51)	0 (0; 55)	55.6 (15; 136)	67.8 (19; 165)	0 (0; 106)	0 (0; 112)	29.4 (1; 153)	0 (0; 119)	0 (0; 95)	0 (0; 103)	79.0 (17; 214)	133 (38; 307)
Depressive disorders	0 (0; 52)	15.4 (0; 83)	136 (64; 243)	19.2 (0; 103)	0 (0; 106)	0 (0; 112)	258 (119; 446)	0 (0; 154)	0 (0; 97)	29.4 (1; 153)	*28.6 (1; 149)	33.3 (1; 172)
Anxiety disorders	44.4 (5; 151)	154 (69; 281)	38.5 (5; 132)	39.2 (5; 135)	50.0 (1; 249)	231 (90; 436)	43.5 (1; 219)	87.0 (11; 280)	40.0 (1; 204)	76.9 (9; 251)	34.5 (1; 178)	0 (0; 123)
Eating disorders	14.3 (0; 77)	15.6 (0; 84)	0 (0; 51)	0 (0; 59)	30.3 (1; 158)	33.3 (1; 172)	0 (0; 106)	0 (0; 119)	0 (0; 95)	0 (0; 103)	0 (0; 93)	0 (0; 109)
Elimination disorders	0 (0; 58)	15.6 (0; 84)	0 (0; 51)	0 (0; 59)	0 (0; 116)	0 (0; 112)	0 (0; 103)	0 (0; 119)	0 (0; 109)	30.3 (1; 158)	0 (0; 95)	0 (0; 109)
Tics disorders	14.7 (0; 79)	47.6 (10; 133)	57.1 (16; 140)	17.2 (0; 92)	0 (0; 106)	0 (0; 112)	90.9 (19; 243)	0 (0; 128)	28.6 (1; 149)	93.8 (20; 250)	27.0 (1; 142)	32.3 (1; 167)
Rates (‰)	Total				Girls				Boys			
	9 years	10 years	13 years	14 years	9 years	10 years	13 years	14 years	9 years	10 years	13 years	14 years
Any disorder	6.67 (.8; 24.1)	27.78(14.4; 48.5)	16.91 (6.8; 34.8)	12.44 (4.04; 29.0)	10.42 (1.3; 37.6)	29.92 (12.0; 61.6)	26.88 (8.7; 62.7)	5.75 (15; 32.0)	0 (0; 34.2)	25.25 (8.2; 58.9)	8.77 (1.1; 31.7)	17.5 (4.8; 44.9)
Behavioral disorders	5.16 (1.1; 15.1)	4.95 (1.0; 14.5)	6.29 (1.7; 16.1)	3.40 (.4; 12.3)	3.27 (.08; 18.2)	6.67 (.8; 24.1)	9.43 (1.9; 27.6)	0 (0; 12.8)	7.25 (.9; 26.2)	3.27 (.08; 18.2)	3.15 (.08; 17.5)	6.67 (.8; 24.1)
Substances	0 (0; 4.4)	0 (0; 4.7)	4.76 (1.3; 12.2)	5.85 (1.6; 15.0)	0 (0; 9.3)	0 (0; 9.9)	2.49 (.06; 13.9)	0 (0; 10.6)	0 (0; 8.3)	0 (0; 9.0)	6.85 (1.4; 20.0)	11.91 (3.2; 30.5)
Depressive disorders	0 (0; 4.5)	1.29 (.03; 7.2)	12.20 (5.6; 23.2)	1.62 (.04; 9.0)	0 (0; 9.3)	0 (0; 9.9)	24.69 (10.7; 48.7)	0 (0; 14.0)	0 (0; 8.5)	2.49 (.06; 13.9)	2.42 (.06; 13.5)	2.83 (.07; 15.7)
Anxiety disorders	3.79 (.5; 13.7)	13.89 (6.0; 27.4)	3.27 (.4; 11.8)	3.33 (.4; 12.0)	4.27 (.1; 23.8)	21.74 (8.0; 47.3)	3.70 (.09; 20.6)	7.58 (.92; 27.4)	3.40 (.09; 19.0)	6.67 (.81; 24.1)	2.92 (.07; 16.3)	0 (0; 11)
Eating disorders	1.20 (.03; 6.7)	1.31 (.03; 7.3)	0 (0; 4.3)	0 (0; 5.0)	2.56 (.06; 14.3)	2.83 (.07; 15.7)	0 (0; 9.3)	0 (0; 10.6)	0 (0; 8.3)	0 (0; 9.0)	0 (0; 8.1)	0 (0; 9.6)
Elimination disorders	0 (0; 5.0)	1.31 (.03; 7.3)	0 (0; 4.3)	0 (0; 5.0)	0 (0; 10.3)	0 (0; 9.9)	0 (0; 9.0)	0 (0; 10.6)	0 (0; 9.6)	2.56 (.06; 14.29)	0 (0; 8.3)	0 (0; 9.6)
Tics disorders	1.24 (.03; 6.9)	4.07 (.8; 11.9)	4.90 (1.3; 12.6)	1.45 (.04; 8.1)	0 (0; 9.3)	0 (0; 9.9)	7.94 (1.6; 23.2)	0 (0; 11.4)	2.42 (.06; 13.5)	8.20 (1.7; 24.0)	2.28 (.06; 12.7)	2.73 (.07; 15.2)

Values are expressed multiplied by thousand (‰). * The comparison boys *versus* girls is significant ($P < 0.05$). In brackets, 95% confidence intervals.

Table 5. Evolution of Psychopathology.

	Cohort 1993						Cohort 1989					
	Means at every age			Within-subjects factor (age) ¹			Means at every age			Within-subjects factor (age) ¹		
	9	10	11	Boys	Girls		13	14	15	Boys	Girls	
Total disorders	Boys 1.32	.71	.63	P = .002; Trend: LQ		P = .008; Trend: LQ	Boys 1.33	.633	.600	P = .012; Trend: L		P = .045; Trend: L
	Girls 1.00	.33	.37	$\phi_1 = -0.61 (-0.96; -0.25)**$		$\phi_1 = -0.67 (-1.09; -.25)**$	Girls 1.03	.613	.387	$\phi_1 = -0.70 (-1.18; -0.23)**$		$\phi_1 = -0.42 (-0.89; 0.05)$
	Sex factor: P = .117		$\phi_2 = -0.68 (-1.09; -0.28)**$		$\phi_2 = -0.63 (-1.11; -.15)**$	Sex factor: P = .461		$\phi_2 = -0.73 (-1.24; -0.22)**$		$\phi_2 = -0.65 (-1.15; -0.14)**$		
	Age*sex: P = 0.918		$\phi_3 = -0.08 (-0.40; 0.24)$		$\phi_3 = -0.04 (-0.34; 0.42)$	Age*sex: P = 0.627		$\phi_3 = -0.03 (-0.38; 0.31)$		$\phi_3 = -0.23 (-0.56; 0.11)$		
Total external symptoms	Boys 9.05	6.32	4.47	P < .0005; Trend: L		P = .025; Trend: L	Boys 9.80	6.13	5.03	P < .0005; Trend: L		P = .010; Trend: L
	Girls 5.67	3.52	3.00	$\phi_1 = -2.74 (-4.27; -1.20)**$		$\phi_1 = -2.15 (-3.97; -0.32)**$	Girls 5.24	3.48	2.21	$\phi_1 = -3.67 (-5.45; -1.89)**$		$\phi_1 = -1.76 (-3.57; 0.05)*$
	Sex factor: P = .057		$\phi_2 = -4.60 (-6.20; -2.96)**$		$\phi_2 = -2.67 (-4.59; -0.74)**$	Sex factor: P = .018		$\phi_2 = -4.77 (-6.64; -2.90)**$		$\phi_2 = -3.03 (-4.94; -1.13)**$		
	Age*sex: P = 0.232		$\phi_3 = -1.84 (-3.04; -0.64)**$		$\phi_3 = -0.52 (-1.94; 0.91)$	Age*sex: P = 0.253		$\phi_3 = -1.10 (-2.77; 0.57)$		$\phi_3 = -1.28 (-2.97; 0.42)$		
Total internal symptoms	Boys 5.97	2.11	2.21	P < .0005; Trend: LQ		P < .0005; Trend: LQ	Boys 6.70	1.80	2.13	P < .0005; Trend: LQ		P = .004; Trend: LQ
	Girls 6.07	2.52	1.96	$\phi_1 = -3.87 (-5.33; -2.41)**$		$\phi_1 = -3.56 (-5.29; -1.83)**$	Girls 6.94	3.29	4.03	$\phi_1 = -4.90 (-7.03; -2.77)**$		$\phi_1 = -3.65 (-5.74; -1.55)**$
	Sex factor: P = .906		$\phi_2 = -3.76 (-5.19; -2.34)**$		$\phi_2 = -4.11 (-5.80; -2.42)**$	Sex factor: P = .235		$\phi_2 = -4.57 (-6.71; -2.43)**$		$\phi_2 = -2.90 (-5.01; -0.80)**$		
	Age*sex: P = 0.763		$\phi_3 = 0.11 (-0.84; 1.06)$		$\phi_3 = -0.56 (-1.68; 0.57)$	Age*sex: P = 0.416		$\phi_3 = 0.33 (-1.04; 1.71)$		$\phi_3 = 0.74 (-0.61; 2.10)$		
Total symptoms	Boys 15.03	8.42	6.68	P < .0005; Trend: LQ		P < .0005; Trend: LQ	Boys 16.5	7.93	7.17	P < .0005; Trend: LQ		P < .0005; Trend: LQ
	Girls 11.7	6.04	4.96	$\phi_1 = -6.61 (-8.82; -4.39)**$		$\phi_1 = -5.70 (-8.33; -3.07)**$	Girls 12.4	6.86	6.48	$\phi_1 = -8.57 (-11.0; -6.17)**$		$\phi_1 = -5.52 (-7.96; -3.08)**$
	Sex factor: P = .141		$\phi_2 = -8.34 (-10.7; -6.00)**$		$\phi_2 = -6.78 (-9.56; -4.00)**$	Sex factor: P = .348		$\phi_2 = -9.33 (-12.3; -6.38)**$		$\phi_2 = -5.90 (-8.91; -2.89)**$		
	Age*sex: P = 0.556		$\phi_3 = -1.74 (-3.08; -0.39)**$		$\phi_3 = -1.07 (-2.67; 0.52)$	Age*sex: P = 0.130		$\phi_3 = -0.77 (-3.05; 1.52)$		$\phi_3 = -0.38 (-2.70; 1.95)$		
Functional impairment (CGAS)	Boys 71.21	76.55	77.18	P = .002; Trend: LQ		P = .633; Trend: --	Boys 72.03	75.63	74.07	P = .143; Trend: --		P = .628; Trend: --
	Girls 76.78	78.04	76.22	$\phi_1 = 5.34 (1.99; 8.69)**$		$\phi_1 = 1.26 (-2.72; 5.24)$	Girls 75.77	76.90	77.45	$\phi_1 = 3.60 (0.04; 7.16)*$		$\phi_1 = 1.13 (-2.38; 4.63)$
	Sex factor: P = .406		$\phi_2 = 5.97 (2.35; 9.60)**$		$\phi_2 = -0.56 (-4.86; 3.75)$	Sex factor: P = .304		$\phi_2 = 2.03 (-1.49; 5.56)$		$\phi_2 = 1.68 (-1.79; 5.15)$		
	Age*sex: P = 0.050		$\phi_3 = 0.63 (-2.67; 3.93)$		$\phi_3 = -1.82 (-5.73; 2.10)$	Age*sex: P = 0.552		$\phi_3 = -1.57 (-4.94; 1.80)$		$\phi_3 = .55 (-2.77; 3.86)$		

¹ Trends: -- = No significant trends; L = Only linear trend; Q = Only quadratic trend; LQ = Linear and quadratic trends;

ϕ_1 = Contrast for year 2 – year 1; ϕ_2 = Contrast for year 3 – year 1; ϕ_3 = Contrast for year 3 – year 2.

*The contrast is quasi-significant; **The contrast is significant. In brackets, 95% confidence intervals.

Table 6. Concurrent (cross-sectional) Comorbidities (OR).

	Disruptive	Substances	Depressive	Anxieties	Eating dis.	Elimination	Tics		ADHD	ODD	MDD	GAD
Disruptive		--	--	1.29 (.44; 3.8)	--	.51 (.08; 3.3)	--	ADHD		3.81 (.80; 18)	--	5.09 (.55; 47)
		--	--	1.59 (.40; 6.3)	--	7.40 (.63; 87)	--			1.42 (.12; 18)	--	--
		--	--	1.80 (.25; 13)	--	23.9 (1.3; 444)	---			11.2 (.66; 189)	--	--
Substances	--		--	--	--	--	--	ODD	17.3 (3.6; 82)*		--	12.3 (1.3; 112)*
	12.7 (1.1; 140)*		--	--	--	--	--		27.7 (3.1; 244)*		--	--
	3.99 (.37; 44)		--	--	--	--	--		--		--	--
Depressive	3.32 (.16; 70)	--		--	--	--	--	MDD	3.37 (.18; 65)	3.40 (.18; 63)		--
	6.09 (1.0; 37)*	3.92 (.17; 93)		--	--	--	--		3.59 (.54; 24)	4.63 (.26; 81)		--
	7.51 (.16; 354)	--		--	--	--	--		--	--		--
Anxieties	.94 (.28; 3.2)	--	--		--	.23 (.03; 1.8)	--	GAD	1.25 (.18; 8.9)	.42 (.04; 4.2)	8.98 (.36; 223)	
	2.38 (.56; 10)	1.37 (.12; 16)	.82 (.13; 5.2)		--	2.48 (.21; 30)	--		1.74 (.17; 17)	--	.80 (.07; 9.5)	
	1.97 (.16; 25)	--	2.82 (.19; 41)		--	3.00 (.10; 87)	1.82 (.13; 25)		--	--	7.53 (.45; 126)	
Eating dis.	--	--	--	--		--	--					
	--	--	--	--		--	--					
	--	--	--	--		--	--					
Elimination	--	--	--	--	--		--					
	--	--	--	--	--		--					
	--	--	--	--	--		--					
Tics disorders	3.99 (.20; 78)	--	--	2.44 (.14; 42)	--	--						
	1.23 (.10; 15)	12.7 (.56; 290)	1.18 (.09; 15)	1.59 (.14; 18)	--	--						
	--	--	--	--	--	--						

OR adjusted by sex and the presence of other disorders. In brackets, 95% confidence intervals.

Above diagonal results for preadolescent cohort: first line contain 9 yrs., second line 10 yrs. and third line: 11 years.

Below diagonal, in bold, results for adolescent cohort: first line contain 13 yrs., second line 14 yrs. and third line: 15 years.

*Significant parameter at 0.05 level. --The parameter could not be estimated.

Table 7. Longitudinal Homotypic and Heterotypic Comorbidities (over time) (OR).

↓Pre Post→	Disruptive	Substances	Depressive	Anxieties	Eating dis.	Elimination	Tics
Disruptive	30.4 (5.8; 159)* 24.8 (5.5; 111)*	--	--	1.00 (.29; 3.5)	1.50 (.09; 26)	2.30 (.25; 21)	--
Substances	--	--	--	--	--	--	--
Depressive	--	--	3.77 (.15; 95)	--	--	--	--
Anxiety dis.	8.1 (1.5; 43)* 1.09 (.24; 4.9)	-- .21 (.02; 2.1)	-- .71 (.15; 3.4)	22.6 (6.0; 86)* 19.0 (3.8; 94)*	.50 (.02; 11)	2.6 (.28; 25)	.35 (.03; 4.0) .45 (.04; 5.3)
Eating dis.	--	--	--	--	--	--	--
Elimination	5.4 (.37; 77.5)	--	--	.42 (.04; 4.3)	--	--	1.12 (.08; 15)
Tics disorders	--	--	--	--	--	--	--
	1.55 (.08; 28)	--	--	1.43 (.07; 28)	--	--	10.9 (.51; 234)

↓Pre Post→	ADHD	ODD	MDD	GAD
ADHD	24.3 (4.9; 122)* 20.8 (3.1; 141)*	6.87 (1.1; 45)*	--	3.16 (.17; 58)
ODD	7.38 (1.1; 48)*	5.10 (.63; 41)	--	--
MDD	--	--	--	--
GAD	15.4 (.75; 314)	--	--	--
	4.93 (.72; 34)	11.3 (.71; 181)	2.89 (.52; 16)	7.60 (1.2; 48)*

OR adjusted by sex and the presence of other disorders (included concurrent comorbidity) .In brackets, 95% confidence intervals.

Regular typeface: results for preadolescent cohort. Bold: results for adolescent cohort.

*Significant parameter at 0.05 level. --The parameter could not be estimated.

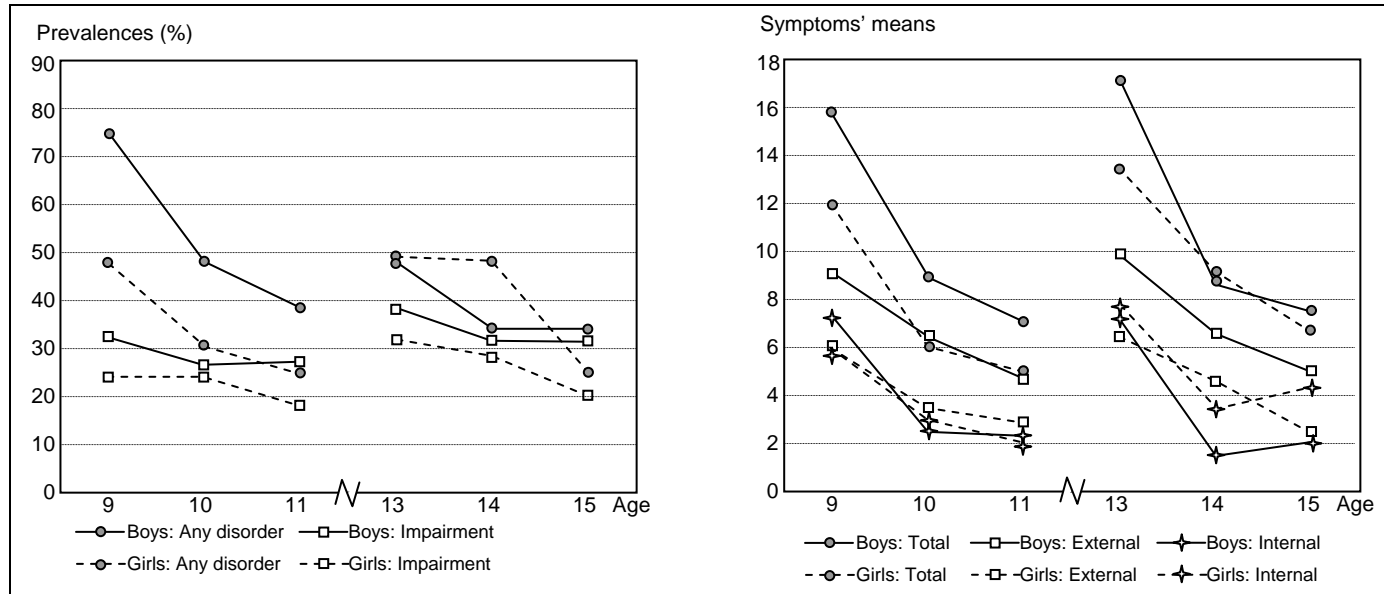


Figure1. Evolution of Any Disorder, Impairment and Number of Symptoms by Age and Sex.

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Nº Clinical History

TELEPHONE QUESTIONNAIRE

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Nº Case

Foll.

Interviewer: In case that parents **DO NOT** want to participate in the epidemiological study, ask if there exist any problem in the following areas during the last year:

	SI	NO
Has s/he been sad, tearful?	<input type="checkbox"/>	<input type="checkbox"/>
Have teachers complain because s/he does not pay attention?	<input type="checkbox"/>	<input type="checkbox"/>
Does s/he fail at school?	<input type="checkbox"/>	<input type="checkbox"/>
Does s/he argue or disobey at home?	<input type="checkbox"/>	<input type="checkbox"/>
Does s/he worry excessively about things?	<input type="checkbox"/>	<input type="checkbox"/>
Does s/he have problems with friends?	<input type="checkbox"/>	<input type="checkbox"/>