

Table DS1 Analysis of socio-demographic and neighbourhood factors associated with mental disorders in adolescents (aged 12–16 years) in Goa, India ($n=2048$, unless otherwise specified)

	Proportion in sample n (%)	Prevalence of mental disorders n (%)	Odds ratio (95% CI) ^a	P
Gender				0.90
Male	1031 (50.3)	17 (1.7)	1	
Female	1017 (49.7)	20 (2.0)	1.04 (0.5–2.0)	
Age, years				0.42
12	461 (22.5)	6 (1.3)	1	
13	481 (22.5)	7 (1.5)	0.94 (0.3–2.9)	
14	416 (20.3)	12 (2.9)	2.10 (0.8–5.6)	
15	361 (17.6)	6 (1.7)	1.09 (0.3–3.4)	
16	329 (16.1)	6 (1.8)	1.46 (0.5–4.3)	
Area				0.04
Rural	1056 (51.6)	12 (1.1)	1	
Urban	992 (48.4)	25 (2.5)	2.2 (1.1–4.6)	
Language spoken at home ($n=2045$)				0.14
Konkani	1534 (75)	21 (1.4)	1	
English	127 (6.2)	7 (5.5)	3.16 (1.1–8.8)	
Hindi	184 (9.0)	6 (3.3)	1.74 (0.6–5.2)	
Marathi and other	200 (9.8)	3 (1.5)	0.95 (0.3–3.5)	
Religion ($n=2045$)				0.04
Hindu	1506 (73.6)	18 (1.2)	1	
Non-Hindu	539 (26.4)	19 (3.5)	2.6 (1.1–6.4)	
Religious beliefs ($n=2037$)				0.37
Strong	1204 (59.1)	25 (2.1)	1	
Moderate	758 (37.2)	10 (1.3)	0.67 (0.3–1.4)	
Weak–nil	75 (3.7)	2 (2.7)	1.81 (0.4–7.8)	
Living situation				0.33
With both parents	1712 (83.6)	28 (1.6)	1	
With one parent	260 (12.7)	8 (3.1)	1.86 (0.8–4.3)	
With others	76 (3.7)	1 (1.3)	0.69 (0.1–7.4)	
Gone hungry in past 3 months (could not afford to buy food; $n=2046$)				0.41
No	1981 (97.0)	35 (1.8)	1	
Yes	65 (3.0)	2 (3.1)	1.81 (0.4–7.6)	
Ever worked for money				<0.001
No	1891 (92.3)	28 (1.5)	1	
Yes	157 (7.7)	9 (5.7)	4.32 (2.0–9.5)	
Currently studying				0.34
Yes	1875 (91.6)	33 (1.8)	1	
No	162 (7.9)	4 (2.5)	1.70 (0.6–4.87)	
Never been to school	11 (0.5)	0		
Experience of difficulty with studies ($n=1874$)				0.004
No	1135 (60.6)	10 (0.9)	1	
Yes	739 (39.4)	23 (3.1)	3.04 (1.4–6.5)	
Number of days absent from school in the past 3 months ($n=1829$)				0.04
<3 days	1291 (70.6)	18 (1.4)	1	
≥3 days	538 (29.4)	15 (2.8)	2.03 (1.02–4.1)	
Neighbourhood safety ($n=2044$)				<0.001
Safe	1777 (86.9)	22 (1.2)	1	
Unsafe	267 (13.1)	15 (5.6)	4.76 (2.4–9.6)	
Neighbourhood trust ($n=2042$)				0.001
Trust	1590 (77.9)	19 (1.2)	1	
No Trust	452 (22.2)	18 (4.0)	3.20 (1.6–6.2)	
Access to health facilities ($n=2041$)				0.04
Yes	1066 (52.1)	19 (1.8)	1	
No	972 (47.6)	18 (1.9)	2.32 (1.1–5.1)	

a. Adjusted for gender, age and area.

Table DS2 Analysis of peer relationship and leisure factors associated with mental disorders in adolescents (aged 12–16 years) in Goa, India (*n*=2048, unless otherwise specified)

	Proportion in sample <i>n</i> (%)	DAWBA prevalence <i>n</i> (%)	Odds ratio (95% CI) ^a	<i>P</i>
Number of close friends (<i>n</i> =2046)				0.60
None	89 (4.3)	1 (1.1)	1	
One	417 (20.4)	9 (2.2)	2.27 (0.3–19.9)	
Two or more	1540 (75.3)	27 (1.8)	1.60 (0.2–13.2)	
Satisfaction with number of friends (<i>n</i> =1997)				0.54
Yes	1574 (78.8)	30 (1.9)	1	
No	423 (21.2)	6 (1.4)	0.76 (0.3–1.9)	
Spending time with friends				0.40
Never	222 (10.8)	4 (1.8)	1	
Rarely	173 (8.4)	6 (3.5)	1.81 (0.5–6.6)	
Occasionally	374 (18.3)	6 (1.6)	0.93 (0.3–3.3)	
Frequently	1279 (62.5)	21 (1.6)	0.80 (0.3–2.4)	
Ever had a boyfriend/girlfriend (<i>n</i> =2035)				<0.001
No	1967 (96.7)	29 (1.5)	1	
Yes	68 (3.3)	7 (10.3)	6.10 (2.5–14.8)	
Spending time with boyfriend/girlfriend in past 3 months (<i>n</i> =2048)				0.003
No	2007 (98)	33 (1.6)	1	
Yes	41 (2)	4 (9.8)	5.75 (1.8–18.1)	
Any intimate physical contact (<i>n</i> =2033)				0.07
No	2027 (99.7)	35 (1.7)	1	
Yes	6 (0.3)	1 (16.7)	7.64 (0.8–70.8)	
Community activity score				0.05
Rare	549 (26.8)	6 (1.1)	1	
Moderate	713 (34.8)	7 (1)	0.84 (0.3–2.6)	
Frequent	786 (38.4)	24 (3.1)	2.30 (0.8–6.2)	
Leisure score ('non-traditional' lifestyle; <i>n</i> =2046)				0.003
Rare	1175 (57.4)	11 (0.9)	1	
Moderate	425 (20.8)	7 (1.6)	1.72 (0.6–4.9)	
Frequent	446 (21.8)	19 (4.3)	4.54 (1.8–11.4)	
DAWBA, Development and Well-Being Assessment. a. Adjusted for gender, age and area.				

Table DS3 Analysis of parental and family factors associated with mental disorders in adolescents (aged 12–16 years) in Goa, India (*n*=2048, unless otherwise specified)

	Proportion in sample <i>n</i> (%)	Prevalence of mental disorders <i>n</i> (%)	Odds ratio (95% CI) ^a	<i>P</i>
Easy to talk with father about things which are important (<i>n</i> =1875)				0.11
No, not at all	296 (15.8)	6 (2.0)	1	
Yes, a little	745 (39.7)	18 (2.4)	1.31 (0.5–3.4)	
Yes, a lot	834 (44.5)	9 (1.1)	0.55 (0.2–1.6)	
Discuss sex-related issues with father (<i>n</i> =1867)				0.70
No	1820 (97.5)	32 (1.8)	1	
Yes	47 (2.5)	1 (2.1)	1.46 (0.2–9.4)	
Easy to talk with mother about things which are important (<i>n</i> =1971)				0.05
No, not at all	162 (8.2)	6 (3.7)	1	
Yes, a little	499 (25.3)	11 (2.2)	0.54 (0.2–1.5)	
Yes, a lot	1310 (66.5)	18 (1.4)	0.31 (0.1–0.8)	
Discuss sex-related issues with mother (<i>n</i> =1951)				0.68
No	1699 (87.1)	29 (1.7)	1	
Yes	252 (12.9)	5 (2.0)	1.22 (0.5–3.1)	
Parental activity score (<i>n</i> =2032)				0.49
Low	584 (28.7)	5 (0.9)	1	
Medium	622 (30.6)	12 (1.9)	1.90 (0.6–5.6)	
High	826 (40.6)	20 (2.4)	1.90 (0.6–5.9)	
Gender discrimination (girls; <i>n</i> =858)				0.004
No	597 (69.6)	5 (0.8)	1	
Yes	261 (30.4)	11 (4.2)	4.89 (1.6–14.5)	
Gender discrimination (boys; <i>n</i> =796)				0.45
No	665 (83.5)	11 (1.7)	1	
Yes	131 (16.5)	4 (3.1)	1.58 (0.5–5.1)	
Parental stress score (<i>n</i> =2018)				0.04
Low	1174 (58.2)	12 (1.0)	1	
Medium	742 (36.7)	21 (2.8)	2.21 (1.1–4.6)	
High	102 (5.1)	4 (3.9)	3.39 (1.0–14.4)	
Conflict between parents (<i>n</i> =1822)				0.41
Never	1272 (69.8)	18 (1.4)	1	
Rarely	468 (25.7)	10 (2.1)	1.41 (0.6–3.2)	
Sometimes	82 (4.5)	3 (3.7)	2.20 (0.6–8.0)	
Family as primary source of support (<i>n</i> =2046)				0.01
Rarely	76 (3.7)	6 (7.9)	1	
Sometimes	362 (17.7)	8 (2.2)	0.24 (0.1–0.7)	
Often	511 (25.0)	9 (1.8)	0.20 (0.1–0.6)	
Always	1097 (53.6)	14 (1.3)	0.17 (0.1–0.5)	

a. Adjusted for gender, age and area.

Table DS4 Analysis of substance use and violence associated with mental disorders in adolescents (aged 12–16 years) in Goa, India (*n*=2048, unless otherwise specified)

	Proportion in sample <i>n</i> (%)	Prevalence of mental disorders <i>n</i> (%)	Odds ratio (95% CI) ^a	<i>P</i>
Used alcohol in the past 12 months				0.25
No	2011 (98.2)	35 (1.7)	1	
Yes	37 (1.8)	2 (5.4)	2.50 (0.5–11.8)	
Smoked cigarettes in the past 12 months				0.22
No	2033 (99.3)	36 (1.8)	1	
Yes	15 (0.7)	1 (6.7)	3.72 (0.4–31.0)	
Chewed tobacco in the past 12 months				0.02
No	2018 (98.5)	35 (1.7)	1	
Yes	30 (1.5)	2 (6.7)	6.62 (1.3–33.0)	
Gambled in the past 12 months (<i>n</i> =2047)				0.50
No	1954 (95.5)	35 (1.8)	1	
Yes	93 (4.5)	2 (2.2)	1.71 (0.4–8.1)	
Lifetime sexual abuse (<i>n</i> =2031)				0.03
No	1971 (97.1)	33 (1.7)	1	
Yes	60 (2.9)	4 (6.7)	3.52 (1.2–10.1)	
Physical/verbal abuse by parents in the past 12 months (<i>n</i> =2046)				0.001
Never/rarely	1417 (69.3)	16 (1.1)	1	
Occasionally	314 (15.4)	8 (2.5)	2.33 (1.0–5.6)	
Frequently	315 (15.4)	13 (4.1)	4.37 (2.0–9.6)	
Physical/verbal abuse by teachers in the past 12 months (<i>n</i> =2044)				0.82
Never/rarely	1415 (69.2)	25 (1.7)	1	
Occasionally	346 (17)	7 (2.0)	1.15 (0.5–2.8)	
Frequently	283 (13.8)	5 (1.8)	1.34 (0.5–3.6)	
Physical/verbal abuse by others in the past 12 months (<i>n</i> =2045)				0.01
Never/rarely	1804 (88.2)	27 (1.5)	1	
Occasionally	157 (7.7)	4 (2.6)	1.50 (0.5–4.5)	
Frequently	85 (4.2)	6 (7.1)	4.71 (1.8–12.3)	

a. Adjusted for gender, age and area.