

Supplementary online materials

Appendix 1. Measuring sexual orientation in samples of adolescents

Sexual attraction captures individuals' "*desire to have sexual relations or to be in a primary loving, sexual relationship with one or both sexes*", and is considered a crucial component of sexual orientation (Savin-Williams, 2006).

When surveying adolescents in the age range in our study (14/15 years), the literature indicates that—if only one domain can be included—it is best practice to ask about their attractions rather than the other domains of sexual orientation (i.e., identity and behaviour). This is because (i) sexual-minority identity development generally occurs at older ages, and typically follows from the development of sexual attractions (Katz-Wise et al., 2017; Savin-Williams & Cohen, 2015), and (ii) measures based on sexual behaviour are less relevant, as not all 14-/15-year-olds are sexually active (Saewyc et al., 2004).

Further, attraction-based measures have also been explicitly recognised as the optimal choice for surveys of adolescents in methodological literature (Badgett, 2009; Durso & Gates, 2013; Wolff et al., 2017). For example, cognitive interviewing has shown that attraction-based measures are the most consistently understood by adolescents, and therefore the easiest for them to answer accurately (Austin et al., 2007). Besides, adolescents themselves see 'attraction' as the central dimension of their sexual orientation (Friedman et al., 2004).

For these reasons, attraction-based measures of adolescent sexual orientation are used in key surveys for this age group (e.g., the UK's *Millennium Cohort Study*, the US *National Longitudinal Study of Adolescent to Adult Health*, or the *Avon Longitudinal Study of Parents and Children*) and many recent and/or influential studies in the field rely on them (Irish et al., 2019; Needham, 2012; Xu, Norton, & Rahman, 2019).

References for Appendix 1

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Appendix 2. Supplementary Tables

Supplementary Table 1. Ordinary least squares regression models with missing sexual attraction group, full sets of estimates

<i>Models 1-10</i>	SDQ total (R)	SDQ peer (R)	SDQ conduct (R)	SDQ emotional (R)	SDQ hyperactivity (R)	SDQ pro-social	PED total	PED physical	PED emotional	PED social
<i>Sexual attraction (ref. heterosexual)</i>										
LGBQ	-0.68* (-0.82,-0.55)	-0.68* (-0.82,-0.55)	-0.34* (-0.47,-0.20)	-0.62* (-0.74,-0.49)	-0.39* (-0.52,-0.25)	-0.13* (-0.26,-0.00)	-0.33* (-0.46,-0.20)	-0.18* (-0.31,-0.04)	-0.42* (-0.55,-0.29)	-0.31* (-0.44,-0.17)
No attraction	-0.01 (-0.17,0.16)	-0.49* (-0.66,-0.32)	0.13 (-0.04,0.30)	0.07 (-0.09,0.23)	0.17* (0.00,0.34)	-0.25* (-0.42,-0.09)	-0.12 (-0.29,0.05)	-0.13 (-0.30,0.04)	-0.04 (-0.21,0.13)	-0.23* (-0.40,-0.06)
Missing	-0.32 (-0.68,0.03)	-0.53* (-0.88,-0.17)	-0.11 (-0.47,0.25)	-0.22 (-0.56,0.12)	-0.14 (-0.50,0.22)	-0.17 (-0.52,0.18)	-0.46* (-0.63,-0.28)	-0.37* (-0.55,-0.20)	-0.36* (-0.54,-0.19)	-0.49* (-0.67,-0.32)
<i>Controls</i>										
Female	-0.22* (-0.28,-0.15)	-0.12* (-0.18,-0.05)	0.16* (0.09,0.23)	-0.60* (-0.66,-0.53)	0.04 (-0.03,0.11)	0.50* (0.43,0.57)	-0.08* (-0.15,-0.02)	-0.11* (-0.17,-0.04)	-0.21* (-0.27,-0.14)	-0.15* (-0.21,-0.08)
Age (in months)	-0.01 (-0.01,0.00)	-0.00 (-0.01,0.01)	-0.00 (-0.01,0.01)	-0.01 (-0.01,0.00)	-0.01 (-0.02,0.00)	0.00 (-0.01,0.01)	-0.00 (-0.01,0.01)	0.00 (-0.01,0.01)	0.00 (-0.01,0.01)	0.01 (-0.00,0.01)
Language other than English	0.17* (0.06,0.28)	0.16* (0.05,0.27)	0.11 (-0.00,0.22)	0.05 (-0.06,0.15)	0.19* (0.08,0.30)	0.03 (-0.08,0.14)	-0.34* (-0.46,-0.23)	-0.47* (-0.59,-0.36)	-0.04 (-0.15,0.08)	-0.16* (-0.28,-0.04)
# siblings (<i>ref. Zero</i>)										
One	0.15* (0.04,0.26)	0.15* (0.04,0.26)	0.14* (0.03,0.25)	0.11* (0.00,0.22)	0.07 (-0.04,0.18)	-0.02 (-0.13,0.09)	0.17* (0.06,0.28)	0.15* (0.04,0.26)	0.08 (-0.03,0.19)	0.23* (0.12,0.34)
Two	0.13* (0.01,0.24)	0.13* (0.02,0.25)	0.07 (-0.05,0.19)	0.14* (0.03,0.25)	0.04 (-0.07,0.16)	-0.05 (-0.17,0.06)	0.21* (0.10,0.33)	0.21* (0.10,0.33)	0.10 (-0.02,0.22)	0.23* (0.12,0.35)
Three or more	0.11 (-0.02,0.24)	0.10 (-0.03,0.23)	-0.04 (-0.18,0.10)	0.15* (0.02,0.28)	0.07 (-0.07,0.21)	-0.05 (-0.18,0.08)	0.23* (0.09,0.36)	0.19* (0.05,0.32)	0.17* (0.03,0.30)	0.23* (0.09,0.36)
Mother at home	0.34* (0.13,0.55)	0.27* (0.06,0.48)	0.41* (0.20,0.62)	0.08 (-0.12,0.28)	0.32* (0.10,0.53)	0.45* (0.24,0.66)	0.31* (0.10,0.52)	0.21* (0.00,0.42)	0.20 (-0.00,0.41)	0.23* (0.02,0.44)
Father at home	0.24* (0.16,0.33)	0.17* (0.08,0.26)	0.21* (0.12,0.30)	0.12* (0.04,0.21)	0.23* (0.14,0.32)	0.17* (0.08,0.25)	0.34* (0.25,0.43)	0.26* (0.17,0.34)	0.27* (0.18,0.35)	0.18* (0.09,0.27)
<i>n</i>	3,339	3,339	3,340	3,339	3,339	3,341	3,368	3,368	3,368	3,365
<i>R</i> ²	0.069	0.059	0.031	0.134	0.029	0.073	0.054	0.046	0.046	0.041

<i>Models 11-20</i>	PED school	CHU9D General health	SMFQ depression	Smoking	Alcohol	Marijuana	Sleep quantity	Sleep quality	IPPA Support parents	IPPA Support friends
<i>Sexual attraction (ref. heterosexual)</i>										
LGBQ	-0.22* (-0.36,-0.09)	-0.54* (-0.67,-0.41)	-0.46* (-0.59,-0.33)	-0.27* (-0.41,-0.14)	-0.23* (-0.36,-0.09)	-0.20* (-0.33,-0.06)	-0.21* (-0.35,-0.07)	-0.29* (-0.43,-0.15)	-0.43* (-0.56,-0.30)	-0.32* (-0.45,-0.19)
No attraction	0.03 (-0.14,0.20)	0.20* (0.03,0.36)	0.13 (-0.04,0.30)	0.07 (-0.10,0.24)	0.26* (0.09,0.43)	0.18* (0.01,0.35)	0.08 (-0.09,0.25)	0.06 (-0.11,0.24)	-0.03 (-0.20,0.14)	-0.42* (-0.58,-0.25)
Missing	-0.25* (-0.42,-0.08)	-0.18 (-0.54,0.19)	0.04 (-0.33,0.40)	-0.00 (-0.39,0.38)	0.17 (-0.21,0.55)	0.12 (-0.26,0.50)	-0.08 (-0.36,0.19)	-0.16 (-0.43,0.12)	0.22 (-0.14,0.59)	-0.59* (-0.95,-0.24)
<i>Controls</i>										
Female	0.22* (0.15,0.29)	-0.43* (-0.50,-0.36)	-0.31* (-0.38,-0.25)	-0.02 (-0.09,0.04)	-0.01 (-0.08,0.05)	0.03 (-0.04,0.10)	-0.28* (-0.35,-0.21)	-0.22* (-0.28,-0.15)	-0.19* (-0.26,-0.13)	0.36* (0.29,0.43)
Age (in months)	-0.01* (-0.02,-0.00)	-0.00 (-0.01,0.00)	-0.01* (-0.02,-0.00)	-0.02* (-0.02,-0.01)	-0.03* (-0.03,-0.02)	-0.02* (-0.03,-0.01)	0.00 (-0.01,0.01)	-0.00 (-0.01,0.01)	-0.01 (-0.02,0.00)	0.00 (-0.01,0.01)
Language other than English	-0.30* (-0.41,-0.18)	0.01 (-0.11,0.12)	0.07 (-0.04,0.18)	0.08 (-0.04,0.19)	0.18* (0.07,0.29)	0.07 (-0.05,0.18)	0.01 (-0.11,0.12)	0.00 (-0.11,0.12)	-0.08 (-0.19,0.03)	0.06 (-0.05,0.18)
# siblings (<i>ref. Zero</i>)										
One	0.09 (-0.02,0.20)	0.10 (-0.01,0.21)	0.13* (0.02,0.24)	0.09 (-0.02,0.21)	0.17* (0.05,0.28)	0.16* (0.05,0.27)	0.04 (-0.07,0.15)	0.06 (-0.06,0.17)	-0.05 (-0.17,0.06)	0.01 (-0.10,0.13)
Two	0.12* (0.01,0.24)	0.11 (-0.01,0.23)	0.12* (0.00,0.24)	0.08 (-0.05,0.20)	0.19* (0.07,0.31)	0.13* (0.01,0.25)	0.12 (-0.00,0.23)	0.09 (-0.03,0.21)	-0.16* (-0.28,-0.05)	-0.01 (-0.13,0.11)
Three or more	0.16* (0.02,0.29)	0.13 (-0.01,0.26)	0.14* (0.01,0.28)	0.03 (-0.11,0.17)	0.16* (0.03,0.30)	0.17* (0.03,0.30)	0.01 (-0.12,0.15)	0.08 (-0.06,0.21)	-0.16* (-0.30,-0.02)	0.05 (-0.08,0.19)
Mother at home	0.39* (0.18,0.60)	0.22* (0.01,0.43)	0.29* (0.08,0.50)	0.24* (0.02,0.46)	0.17 (-0.05,0.39)	0.46* (0.24,0.67)	-0.01 (-0.23,0.20)	0.07 (-0.14,0.28)	0.27* (0.06,0.49)	0.14 (-0.07,0.35)
Father at home	0.40* (0.32,0.49)	0.09* (0.01,0.18)	0.18* (0.10,0.27)	0.23* (0.13,0.32)	0.17* (0.08,0.26)	0.24* (0.15,0.33)	0.04 (-0.05,0.13)	-0.00 (-0.09,0.09)	0.18* (0.09,0.27)	0.16* (0.07,0.25)
<i>n</i>	3,367	3,327	3,338	3,259	3,281	3,326	3,310	3,310	3,338	3,341
<i>R</i> ²	0.056	0.080	0.057	0.022	0.034	0.031	0.027	0.020	0.035	0.048
<i>Models 21-30</i>	Self-harm thoughts	Self-harm	Suicide thoughts	Suicide plans	Suicide attempt	Victim	MSDQ Self- concept	PSSM School Belonging	General health	Life satisfaction
<i>Sexual attraction (ref. heterosexual)</i>										
LGBQ	-0.70* (-0.83,-0.57)	-0.58* (-0.71,-0.44)	-0.75* (-0.88,-0.61)	-0.69* (-0.82,-0.55)	-0.51* (-0.64,-0.38)	-0.22* (-0.36,-0.09)	-0.39* (-0.52,-0.25)	-0.49* (-0.63,-0.36)	-0.33* (-0.47,-0.20)	-0.35* (-0.49,-0.22)

No attraction	-0.02 (-0.19,0.14)	0.05 (-0.12,0.22)	-0.00 (-0.17,0.16)	-0.15 (-0.32,0.02)	-0.03 (-0.20,0.14)	0.24* (0.07,0.41)	0.02 (-0.15,0.19)	-0.22* (-0.39,-0.04)	-0.12 (-0.29,0.05)	-0.06 (-0.23,0.11)
Missing	-0.17 (-0.56,0.22)	-0.25 (-0.64,0.13)	-0.16 (-0.55,0.22)	-0.10 (-0.48,0.29)	-0.22 (-0.60,0.17)	-0.13 (-0.51,0.25)	-0.31 (-0.67,0.05)	-0.58* (-0.95,-0.21)	-0.43* (-0.70,-0.16)	-0.06 (-0.42,0.30)
<i>Controls</i>										
Female	-0.38* (-0.44,-0.31)	-0.32* (-0.38,-0.25)	-0.14* (-0.20,-0.07)	-0.10* (-0.17,-0.03)	-0.08* (-0.14,-0.01)	0.03 (-0.04,0.10)	-0.14* (-0.21,-0.08)	-0.07* (-0.14,-0.01)	-0.19* (-0.25,-0.12)	-0.11* (-0.18,-0.04)
Age (in months)	-0.00 (-0.01,0.00)	-0.00 (-0.01,0.00)	-0.01* (-0.02,-0.00)	-0.00 (-0.01,0.00)	-0.00 (-0.01,0.01)	-0.00 (-0.01,0.01)	0.00 (-0.01,0.01)	0.00 (-0.01,0.01)	-0.01 (-0.01,0.00)	-0.00 (-0.01,0.01)
Language other than English	0.15* (0.04,0.26)	0.14* (0.03,0.25)	0.05 (-0.06,0.16)	0.14* (0.03,0.26)	0.06 (-0.05,0.17)	0.26* (0.15,0.37)	0.04 (-0.07,0.15)	0.03 (-0.08,0.14)	-0.11* (-0.23,-0.00)	-0.00 (-0.12,0.11)
# siblings (<i>ref. Zero</i>)										
One	0.14* (0.03,0.25)	0.10 (-0.01,0.21)	0.14* (0.03,0.25)	0.08 (-0.03,0.19)	0.02 (-0.10,0.13)	0.13* (0.02,0.24)	0.03 (-0.08,0.14)	0.14* (0.02,0.25)	0.09 (-0.03,0.20)	0.10 (-0.01,0.21)
Two	0.08 (-0.03,0.20)	0.04 (-0.08,0.16)	0.08 (-0.04,0.19)	0.07 (-0.05,0.19)	-0.04 (-0.16,0.08)	0.11 (-0.00,0.23)	0.02 (-0.10,0.14)	0.04 (-0.08,0.16)	-0.01 (-0.13,0.11)	0.01 (-0.11,0.13)
Three or more	0.13 (-0.00,0.26)	0.02 (-0.12,0.15)	0.09 (-0.04,0.23)	0.04 (-0.09,0.18)	-0.01 (-0.15,0.13)	0.05 (-0.08,0.19)	-0.07 (-0.20,0.07)	0.10 (-0.04,0.23)	0.06 (-0.07,0.20)	-0.00 (-0.14,0.14)
Mother at home	0.25* (0.04,0.46)	0.27* (0.06,0.49)	0.16 (-0.05,0.37)	0.15 (-0.06,0.36)	0.35* (0.13,0.56)	0.18 (-0.03,0.40)	0.39* (0.17,0.60)	0.39* (0.18,0.60)	0.10 (-0.12,0.31)	0.38* (0.17,0.59)
Father at home	0.07 (-0.02,0.16)	0.09* (0.00,0.18)	0.14* (0.05,0.22)	0.14* (0.05,0.23)	0.19* (0.10,0.28)	0.06 (-0.03,0.15)	0.23* (0.14,0.31)	0.24* (0.15,0.33)	0.15* (0.06,0.24)	0.18* (0.10,0.27)
<i>n</i>	3,313	3,315	3,316	3,316	3,322	3,336	3,341	3,306	3,310	3,340
<i>R</i> ²	0.084	0.060	0.054	0.043	0.029	0.017	0.031	0.040	0.029	0.024

Notes: Longitudinal Study of Australian Children (Australia), K cohort, Wave 6 (2014). Standard errors in parentheses. Significance level: * $p < 0.05$. LGBQ: Lesbian, Gay, Bisexual and Questioning; (R): Reverse coded; SDQ: Strengths and Difficulties Questionnaire; PedsQL: Paediatric Quality of Life Inventory; SMFQ: Short Mood and Feelings Questionnaire; IPPA: Inventory of Parent and Peer Attachment; MSDQ: Marsh Self-Description Questionnaire; PSSM: Psychological Sense of School Membership; CHU: Child Health Utility.

Supplementary Table 2. Logistic regression models on unstandardized binary outcomes

Outcome	LGBQ			No attractions		
	Odds ratio	<i>p</i>	Adj. <i>p</i>	Odds ratio	<i>p</i>	Adj. <i>p</i>
No smoking	0.40	<0.01	<0.01	2.02	ns	ns
No alcohol	0.58	<0.01	<0.01	4.65	<0.01	0.03
No marijuana	0.57	0.01	0.01	8.02	0.04	ns
Sleeps enough	0.55	<0.01	<0.01	1.15	ns	ns
Sleeps well	0.42	<0.01	<0.01	1.19	ns	ns
No self-harm thoughts	0.22	<0.01	<0.01	0.84	ns	ns
No self-harm	0.24	<0.01	<0.01	1.10	ns	ns
No suicide thoughts	0.19	<0.01	<0.01	0.94	0.05	ns
No suicide plans	0.19	<0.01	<0.01	0.54	ns	ns
No suicide attempts	0.22	<0.01	<0.01	0.81	ns	ns
No victimization	0.62	<0.01	<0.01	1.63	0.01	ns

Notes: Longitudinal Study of Australian Children (Australia), K cohort, Wave 6 (2014). Each row shows the results of a separate model. All models are adjusted for the control variables (see Table 2). Adj. *p*: *p*-value adjusted for multiple comparisons using the Holm method. ns: not significant at $\alpha=0.05$. LGBQ: Lesbian, Gay, Bisexual and Questioning; SDQ: Strengths and Difficulties Questionnaire; PedsQL: Paediatric Quality of Life Inventory; SMFQ: Short Mood and Feelings Questionnaire; IPPA: Inventory of Parent and Peer Attachment; MSDQ: Marsh Self-Description Questionnaire; PSSM: Psychological Sense of School Membership; CHU: Child Health Utility.

Supplementary Table 3. Ordinary least squares regression models, full sets of estimates

<i>Models 1-10</i>	SDQ total (R)	SDQ peer (R)	SDQ conduct (R)	SDQ emotional (R)	SDQ hyperactivity (R)	SDQ pro-social	PED total	PED physical	PED emotional	PED social
<i>Sexual attraction (ref. heterosexual)</i>										
LGBQ	-0.69* (-0.82,-0.55)	-0.69* (-0.82,-0.55)	-0.34* (-0.47,-0.20)	-0.62* (-0.74,-0.49)	-0.39* (-0.52,-0.25)	-0.13* (-0.26,-0.00)	-0.33* (-0.46,-0.19)	-0.17* (-0.31,-0.04)	-0.42* (-0.55,-0.29)	-0.31* (-0.44,-0.18)
No attraction	-0.01 (-0.17,0.16)	-0.49* (-0.65,-0.32)	0.13 (-0.04,0.30)	0.07 (-0.09,0.23)	0.17* (0.00,0.34)	-0.25* (-0.42,-0.09)	-0.12 (-0.29,0.05)	-0.13 (-0.30,0.04)	-0.04 (-0.21,0.13)	-0.23* (-0.40,-0.06)
<i>Controls</i>										
Female	-0.22* (-0.28,-0.15)	-0.11* (-0.18,-0.05)	0.16* (0.09,0.23)	-0.60* (-0.66,-0.53)	0.04 (-0.03,0.11)	0.50* (0.43,0.56)	-0.10* (-0.16,-0.03)	-0.12* (-0.19,-0.05)	-0.21* (-0.28,-0.14)	-0.16* (-0.23,-0.09)
Age (in months)	-0.01 (-0.01,0.00)	0.00 (-0.01,0.01)	-0.00 (-0.01,0.01)	-0.01 (-0.01,0.00)	-0.01 (-0.02,0.00)	0.00 (-0.01,0.01)	-0.00 (-0.01,0.01)	0.00 (-0.01,0.01)	0.00 (-0.01,0.01)	0.01 (-0.00,0.01)
Language other than English	0.19* (0.08,0.30)	0.18* (0.07,0.29)	0.13* (0.01,0.24)	0.06 (-0.05,0.16)	0.20* (0.09,0.32)	0.03 (-0.08,0.14)	-0.34* (-0.45,-0.22)	-0.47* (-0.59,-0.35)	-0.04 (-0.16,0.07)	-0.15* (-0.26,-0.03)
# siblings (<i>ref. Zero</i>)										
One	0.14* (0.03,0.25)	0.15* (0.04,0.26)	0.13* (0.01,0.24)	0.11 (-0.00,0.21)	0.07 (-0.04,0.18)	-0.01 (-0.12,0.10)	0.17* (0.06,0.28)	0.15* (0.03,0.26)	0.10 (-0.01,0.21)	0.21* (0.10,0.32)
Two	0.13* (0.01,0.24)	0.14* (0.02,0.26)	0.05 (-0.06,0.17)	0.13* (0.02,0.25)	0.04 (-0.08,0.16)	-0.05 (-0.17,0.06)	0.20* (0.09,0.32)	0.20* (0.08,0.32)	0.11 (-0.01,0.22)	0.21* (0.09,0.32)
Three or more	0.09 (-0.04,0.23)	0.09 (-0.05,0.22)	-0.05 (-0.19,0.08)	0.14* (0.01,0.27)	0.06 (-0.08,0.20)	-0.05 (-0.18,0.08)	0.23* (0.09,0.36)	0.18* (0.05,0.32)	0.18* (0.05,0.32)	0.20* (0.07,0.34)
Mother at home	0.34* (0.13,0.55)	0.26* (0.04,0.47)	0.42* (0.21,0.64)	0.09 (-0.11,0.29)	0.31* (0.10,0.53)	0.45* (0.24,0.66)	0.32* (0.10,0.53)	0.20 (-0.02,0.42)	0.23* (0.02,0.45)	0.25* (0.03,0.46)
Father at home	0.25* (0.16,0.33)	0.17* (0.08,0.26)	0.21* (0.12,0.30)	0.12* (0.04,0.21)	0.23* (0.14,0.32)	0.17* (0.09,0.26)	0.34* (0.26,0.43)	0.26* (0.17,0.35)	0.26* (0.17,0.35)	0.19* (0.10,0.28)
<i>n</i>	3,310	3,310	3,311	3,310	3,310	3,312	3,240	3,240	3,240	3,237
<i>R</i> ²	0.070	0.058	0.032	0.134	0.030	0.072	0.048	0.041	0.043	0.034
<i>Models 11-20</i>	PED school	CHU9D General health	SMFQ depression	Smoking	Alcohol	Marijuana	Sleep quantity	Sleep quality	IPPA Support parents	IPPA Support friends
<i>Sexual attraction (ref. heterosexual)</i>										
LGBQ	-0.22*	-0.54*	-0.46*	-0.27*	-0.23*	-0.20*	-0.21*	-0.29*	-0.43*	-0.32*

No attraction	(-0.35,-0.09) 0.03 (-0.13,0.20)	(-0.67,-0.41) 0.20* (0.03,0.36)	(-0.59,-0.33) 0.13 (-0.04,0.30)	(-0.41,-0.14) 0.07 (-0.10,0.24)	(-0.36,-0.09) 0.26* (0.09,0.43)	(-0.33,-0.06) 0.18* (0.01,0.35)	(-0.34,-0.07) 0.08 (-0.09,0.25)	(-0.43,-0.15) 0.06 (-0.11,0.24)	(-0.56,-0.30) -0.03 (-0.20,0.14)	(-0.45,-0.19) -0.41* (-0.58,-0.25)
<i>Controls</i>										
Female	0.21* (0.14,0.28)	-0.44* (-0.50,-0.37)	-0.31* (-0.38,-0.25)	-0.02 (-0.09,0.05)	-0.01 (-0.08,0.06)	0.03 (-0.04,0.10)	-0.29* (-0.36,-0.22)	-0.23* (-0.29,-0.16)	-0.19* (-0.26,-0.13)	0.36* (0.29,0.43)
Age (in months)	-0.01* (-0.02,-0.00)	-0.00 (-0.01,0.00)	-0.01* (-0.02,-0.00)	-0.02* (-0.02,-0.01)	-0.03* (-0.03,-0.02)	-0.02* (-0.03,-0.01)	0.00 (-0.01,0.01)	-0.00 (-0.01,0.01)	-0.01 (-0.02,0.00)	0.00 (-0.01,0.01)
Language other than English	-0.29* (-0.41,-0.17)	0.02 (-0.10,0.13)	0.09 (-0.02,0.20)	0.08 (-0.04,0.19)	0.18* (0.06,0.29)	0.06 (-0.05,0.18)	0.02 (-0.09,0.14)	0.01 (-0.11,0.12)	-0.07 (-0.18,0.05)	0.07 (-0.04,0.18)
# siblings (ref. Zero)										
One	0.09 (-0.02,0.20)	0.10 (-0.01,0.21)	0.13* (0.02,0.24)	0.09 (-0.02,0.21)	0.16* (0.05,0.28)	0.15* (0.04,0.26)	0.03 (-0.08,0.15)	0.03 (-0.08,0.15)	-0.05 (-0.17,0.06)	0.01 (-0.10,0.12)
Two	0.12* (0.00,0.24)	0.12* (0.00,0.23)	0.12* (0.01,0.24)	0.08 (-0.04,0.20)	0.19* (0.07,0.31)	0.12 (-0.00,0.24)	0.11 (-0.01,0.23)	0.06 (-0.06,0.18)	-0.16* (-0.28,-0.05)	-0.01 (-0.13,0.11)
Three or more	0.16* (0.03,0.30)	0.14* (0.00,0.27)	0.15* (0.02,0.29)	0.03 (-0.11,0.17)	0.16* (0.02,0.30)	0.16* (0.02,0.29)	-0.00 (-0.14,0.14)	0.05 (-0.09,0.19)	-0.16* (-0.29,-0.02)	0.04 (-0.10,0.17)
Mother at home	0.39* (0.17,0.60)	0.24* (0.03,0.44)	0.30* (0.09,0.52)	0.25* (0.02,0.47)	0.17 (-0.05,0.39)	0.47* (0.25,0.68)	0.01 (-0.21,0.22)	0.05 (-0.16,0.27)	0.28* (0.07,0.50)	0.16 (-0.05,0.37)
Father at home	0.43* (0.34,0.52)	0.09* (0.01,0.18)	0.18* (0.09,0.27)	0.22* (0.13,0.31)	0.17* (0.08,0.26)	0.25* (0.16,0.34)	0.04 (-0.05,0.13)	-0.01 (-0.10,0.08)	0.18* (0.09,0.27)	0.16* (0.07,0.25)
<i>n</i>	3,239	3,300	3,310	3,233	3,255	3,300	3,259	3,259	3,310	3,312
<i>R</i> ²	0.056	0.081	0.058	0.022	0.034	0.031	0.028	0.021	0.034	0.046
<i>Models 21-30</i>										
	Self-harm thoughts	Self-harm	Suicide thoughts	Suicide plans	Suicide attempt	Victim	MSDQ Self-concept	PSSM School Belonging	General health	Life satisfaction
<i>Sexual attraction (ref. heterosexual)</i>										
LGBQ	-0.70* (-0.83,-0.57)	-0.58* (-0.71,-0.44)	-0.75* (-0.88,-0.61)	-0.69* (-0.82,-0.55)	-0.51* (-0.64,-0.38)	-0.22* (-0.36,-0.09)	-0.39* (-0.52,-0.25)	-0.50* (-0.63,-0.36)	-0.33* (-0.46,-0.19)	-0.35* (-0.49,-0.22)
No attraction	-0.02 (-0.19,0.14)	0.05 (-0.12,0.22)	-0.01 (-0.17,0.16)	-0.15 (-0.32,0.02)	-0.03 (-0.20,0.14)	0.24* (0.07,0.41)	0.02 (-0.15,0.19)	-0.21* (-0.38,-0.04)	-0.11 (-0.28,0.06)	-0.06 (-0.23,0.11)
<i>Controls</i>										
Female	-0.38* (-0.45,-0.31)	-0.32* (-0.38,-0.25)	-0.14* (-0.20,-0.07)	-0.10* (-0.17,-0.03)	-0.08* (-0.15,-0.01)	0.03 (-0.04,0.10)	-0.14* (-0.21,-0.08)	-0.07 (-0.13,0.00)	-0.19* (-0.26,-0.12)	-0.11* (-0.18,-0.04)
Age (in months)	-0.00 (-0.01,0.00)	-0.00 (-0.01,0.00)	-0.01* (-0.02,-0.00)	-0.00 (-0.01,0.00)	-0.00 (-0.01,0.01)	-0.00 (-0.01,0.01)	0.00 (-0.01,0.01)	0.00 (-0.01,0.01)	-0.01 (-0.01,0.00)	-0.00 (-0.01,0.01)
Language other than	0.16* (0.03,0.30)	0.16* (0.00,0.27)	0.06 (0.02,0.29)	0.14* (-0.11,0.17)	0.05 (-0.05,0.39)	0.28* (0.25,0.68)	0.04 (-0.21,0.22)	0.04 (-0.16,0.27)	-0.11 (0.07,0.50)	0.00 (-0.05,0.37)

English										
	(0.05,0.27)	(0.04,0.27)	(-0.06,0.17)	(0.03,0.26)	(-0.06,0.17)	(0.16,0.39)	(-0.07,0.16)	(-0.07,0.16)	(-0.23,0.00)	(-0.11,0.12)
# siblings (<i>ref. Zero</i>)										
One	0.14*	0.10	0.15*	0.09	0.02	0.14*	0.03	0.12*	0.09	0.09
	(0.03,0.25)	(-0.01,0.21)	(0.03,0.26)	(-0.03,0.20)	(-0.09,0.13)	(0.02,0.25)	(-0.08,0.14)	(0.00,0.23)	(-0.03,0.20)	(-0.02,0.21)
Two	0.09	0.05	0.09	0.08	-0.03	0.12*	0.02	0.02	-0.01	0.00
	(-0.03,0.21)	(-0.07,0.16)	(-0.03,0.20)	(-0.04,0.20)	(-0.15,0.09)	(0.00,0.24)	(-0.10,0.14)	(-0.09,0.14)	(-0.13,0.11)	(-0.12,0.12)
Three or more	0.14*	0.03	0.10	0.05	-0.01	0.06	-0.06	0.07	0.08	-0.01
	(0.01,0.27)	(-0.10,0.17)	(-0.04,0.23)	(-0.09,0.18)	(-0.15,0.12)	(-0.08,0.20)	(-0.20,0.08)	(-0.06,0.21)	(-0.06,0.22)	(-0.14,0.13)
Mother at home	0.26*	0.28*	0.17	0.15	0.36*	0.20	0.39*	0.32*	0.10	0.39*
	(0.05,0.47)	(0.07,0.50)	(-0.05,0.38)	(-0.06,0.37)	(0.14,0.57)	(-0.02,0.41)	(0.18,0.61)	(0.11,0.53)	(-0.11,0.32)	(0.17,0.60)
Father at home	0.06	0.09	0.13*	0.13*	0.18*	0.05	0.22*	0.25*	0.16*	0.18*
	(-0.02,0.15)	(-0.00,0.18)	(0.05,0.22)	(0.04,0.22)	(0.09,0.27)	(-0.04,0.14)	(0.13,0.31)	(0.16,0.33)	(0.07,0.25)	(0.09,0.27)
<i>n</i>	3,289	3,290	3,291	3,291	3,297	3,309	3,312	3,278	3,259	3,311
R ²	0.085	0.061	0.055	0.043	0.029	0.018	0.030	0.036	0.027	0.024

Notes: Longitudinal Study of Australian Children (Australia), K cohort, Wave 6 (2014). Standard errors in parentheses. Significance level: * $p < 0.05$. LGBQ: Lesbian, Gay, Bisexual and Questioning; (R): Reverse coded; SDQ: Strengths and Difficulties Questionnaire; PedsQL: Paediatric Quality of Life Inventory; SMFQ: Short Mood and Feelings Questionnaire; IPPA: Inventory of Parent and Peer Attachment; MSDQ: Marsh Self-Description Questionnaire; PSSM: Psychological Sense of School Membership; CHU: Child Health Utility.

Supplementary Table 4. Ordinary least squares regression models, sex × sexual attraction interactions

<i>Models 1-10</i>	SDQ total (R)	SDQ peer (R)	SDQ conduct (R)	SDQ emotional (R)	SDQ hyperactivit y (R)	SDQ pro-social	PED total	PED physical	PED emotional	PED social
<i>Sexual attraction (ref. heterosexual)</i>										
LGBQ	-0.59* (-0.83,-0.36)	-0.63* (-0.86,-0.40)	-0.13 (-0.37,0.10)	-0.72* (-0.94,-0.49)	-0.22 (-0.46,0.01)	-0.03 (-0.26,0.21)	-0.25* (-0.48,-0.01)	-0.15 (-0.38,0.09)	-0.40* (-0.64,-0.17)	-0.16 (-0.40,0.07)
No attraction	-0.18 (-0.43,0.07)	-0.56* (-0.81,-0.30)	0.03 (-0.23,0.29)	-0.22 (-0.47,0.02)	0.16 (-0.10,0.41)	-0.29* (-0.54,-0.04)	-0.18 (-0.43,0.08)	-0.20 (-0.46,0.06)	0.07 (-0.19,0.33)	-0.41* (-0.66,-0.15)
<i>Sex</i>										
Female	-0.22* (-0.29,-0.15)	-0.11* (-0.18,-0.04)	0.17* (0.10,0.24)	-0.63* (-0.70,-0.56)	0.06 (-0.02,0.13)	0.50* (0.43,0.57)	-0.09* (-0.16,-0.02)	-0.12* (-0.19,-0.05)	-0.20* (-0.27,-0.13)	-0.16* (-0.23,-0.09)
<i>Sex × sexual attraction</i>										
LGBQ * female	-0.13 (-0.41,0.15)	-0.08 (-0.36,0.21)	-0.29* ^a (-0.58,-0.00)	0.16 (-0.12,0.43)	-0.24 (-0.53,0.05)	-0.15 (-0.43,0.13)	-0.12 (-0.40,0.17)	-0.04 (-0.32,0.25)	-0.02 (-0.31,0.26)	-0.21 (-0.49,0.07)
No attractions * female	0.30 (-0.03,0.64)	0.12 (-0.21,0.46)	0.17 (-0.17,0.51)	0.52* (0.20,0.85)	0.03 (-0.31,0.37)	0.07 (-0.27,0.40)	0.10 (-0.24,0.44)	0.12 (-0.22,0.46)	-0.20 (-0.54,0.15)	0.32 (-0.02,0.66)
<i>Controls</i>										
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<i>n</i>	3,310	3,310	3,311	3,310	3,310	3,312	3,240	3,240	3,240	3,237
<i>R</i> ²	0.071	0.059	0.034	0.137	0.031	0.073	0.049	0.042	0.043	0.035
<i>Models 11-20</i>	PED school	CHU9D General health	SMFQ depression	Smoking	Alcohol	Marijuana	Sleep quantity	Sleep quality	IPPA Support parents	IPPA Support friends
<i>Sexual attraction (ref. heterosexual)</i>										
LGBQ	-0.12 (-0.35,0.11)	-0.53* (-0.76,-0.30)	-0.40* (-0.63,-0.16)	0.04 (-0.21,0.29)	-0.04 (-0.28,0.20)	-0.22 (-0.46,0.02)	-0.13 (-0.37,0.11)	-0.36* (-0.61,-0.12)	-0.43* (-0.66,-0.19)	-0.32* (-0.56,-0.09)
No attraction	0.01 (-0.25,0.26)	-0.01 (-0.26,0.25)	-0.10 (-0.36,0.15)	0.05 (-0.21,0.31)	0.19 (-0.07,0.44)	0.15 (-0.11,0.41)	0.10 (-0.16,0.35)	0.01 (-0.25,0.27)	-0.35* (-0.61,-0.09)	-0.53* (-0.79,-0.28)
<i>Sex</i>										
Female	0.22* (0.15,0.29)	-0.45* (-0.52,-0.38)	-0.33* (-0.40,-0.25)	0.00 (-0.07,0.07)	-0.00 (-0.07,0.07)	0.03 (-0.05,0.10)	-0.28* (-0.35,-0.21)	-0.24* (-0.31,-0.16)	-0.22* (-0.29,-0.15)	0.35* (0.28,0.42)
<i>Sex × sexual attraction</i>										
LGBQ * female	-0.14 (-0.43,0.14)	-0.01 (-0.29,0.27)	-0.08 (-0.37,0.20)	-0.45* ^a (-0.75,-0.16)	-0.27 (-0.56,0.02)	0.03 (-0.26,0.32)	-0.11 (-0.40,0.18)	0.11 (-0.18,0.40)	0.01 (-0.28,0.29)	0.00 (-0.28,0.29)
No attractions * female	0.05	0.36* (0.05,0.67)	0.42* (0.13,0.71)	0.03	0.13	0.06	-0.03	0.10	0.57* (0.28,0.86)	0.21

	(-0.29,0.39)	(0.02,0.69)	(0.08,0.75)	(-0.31,0.38)	(-0.21,0.47)	(-0.28,0.40)	(-0.38,0.31)	(-0.24,0.44)	(0.22,0.91)	(-0.13,0.55)
<i>Controls</i>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<i>n</i>	3,239	3,300	3,310	3,233	3,255	3,300	3,259	3,259	3,310	3,312
<i>R</i> ²	0.056	0.083	0.060	0.025	0.035	0.031	0.029	0.021	0.037	0.047
<i>Models 21-30</i>	Self-harm thoughts	Self-harm	Suicide thoughts	Suicide plans	Suicide attempt	Victim	MSDQ Self-concept	PSSM School Belonging	General health	Life satisfaction
<i>Sexual attraction (ref. heterosexual)</i>										
LGBQ	-0.53*	-0.37*	-0.64*	-0.62*	-0.23	-0.27*	-0.21	-0.34*	-0.41*	-0.22
	(-0.76,-0.30)	(-0.60,-0.14)	(-0.87,-0.40)	(-0.86,-0.39)	(-0.46,0.01)	(-0.51,-0.03)	(-0.45,0.03)	(-0.58,-0.10)	(-0.65,-0.17)	(-0.46,0.02)
No attraction	-0.24	-0.07	-0.10	-0.19	-0.23	0.16	-0.33*	-0.44*	-0.40*	-0.31*
	(-0.49,0.01)	(-0.33,0.18)	(-0.35,0.15)	(-0.45,0.06)	(-0.49,0.03)	(-0.10,0.42)	(-0.58,-0.07)	(-0.70,-0.19)	(-0.66,-0.14)	(-0.57,-0.05)
<i>Sex</i>										
Female	-0.38*	-0.31*	-0.13*	-0.10*	-0.07	0.02	-0.15*	-0.07	-0.22*	-0.12*
	(-0.45,-0.31)	(-0.38,-0.24)	(-0.21,-0.06)	(-0.17,-0.03)	(-0.14,0.00)	(-0.05,0.09)	(-0.23,-0.08)	(-0.14,0.00)	(-0.29,-0.15)	(-0.19,-0.04)
<i>Sex × sexual attraction</i>										
LGBQ × female	-0.24	-0.30* ^a	-0.15	-0.09	-0.41* ^a	0.07	-0.25	-0.22	0.13	-0.18
	(-0.52,0.04)	(-0.58,-0.01)	(-0.44,0.13)	(-0.38,0.19)	(-0.69,-0.12)	(-0.22,0.36)	(-0.54,0.04)	(-0.51,0.06)	(-0.17,0.42)	(-0.47,0.10)
No attractions × female	0.38*	0.22	0.17	0.08	0.35*	0.14	0.61*	0.41*	0.51*	0.43*
	(0.05,0.71)	(-0.12,0.55)	(-0.17,0.50)	(-0.26,0.42)	(0.00,0.69)	(-0.21,0.48)	(0.27,0.95)	(0.07,0.75)	(0.16,0.85)	(0.09,0.78)
<i>Controls</i>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<i>n</i>	3,289	3,290	3,291	3,291	3,297	3,309	3,312	3,278	3,259	3,311
<i>R</i> ²	0.087	0.062	0.055	0.043	0.033	0.018	0.034	0.038	0.030	0.027

Notes: Longitudinal Study of Australian Children (Australia), K cohort, Wave 6 (2014). Standard errors in parentheses. Significance level: * $p < 0.05$. Controls as in Table 2. LGBQ: Lesbian, Gay, Bisexual and Questioning; (R): Reverse coded; SDQ: Strengths and Difficulties Questionnaire; PedsQL: Paediatric Quality of Life Inventory; SMFQ: Short Mood and Feelings Questionnaire; IPPA: Inventory of Parent and Peer Attachment; MSDQ: Marsh Self-Description Questionnaire; PSSM: Psychological Sense of School Membership; CHU: Child Health Utility. ^a *LGBQ × female* coefficient not statistically significant ($p \geq 0.05$) after adjustments for multiple comparisons using the Holm-Sidak method.