**Table S1.** Measures used for analysis.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Measure/questionnaire**   | **Item wording**  | **Response options** | **Reporter and format of reporting**  | **Derivation of measure used in analysis**  | **Variable name**  |
| **Child variables**  |   |  |  |  |  |
| Childhood mental health (DAWBA)  | Please compare her behaviour in the last 6 months with other children of her age.  Does she often fidget?  Is it hard for her to stay sitting down for long?  Does she run or climb about when she shouldn’t?  Does she find it hard to play or take part in other leisure activities without making a noise?  If she is rushing about does she find it hard to calm down when someone asks her to do so ?  | 1; No more than others 2; A little more than others  3; A lot more than others  | Mother, questionnaire  | Only the children who were reported to have suffered from the symptoms the most often, or a lot more than others of the same age were included in the group with internalizing or externalizing problems (with the exception of ‘any’ mood symptoms because the options in the symptom scale were ‘yes/no’).   | kr201 kr202 kr203 kr204 kr205 kr206 kr207 kr208 kr209 kr210 kr251 kr252 kr253 kr254 kr255 kr256 kr225 kr226 kr227 kr228 kr229 kr230 kr231 kr357 kr358 kr359 kr360 kr361 kr362 kr363 kr410 kr411 kr412 kr413 kr414 kr415 kr416 kr417 kr418 kr419 kr420 kr436 kr437 kr438 kr439 kr440 kr441 kr442 kr443 kr444 kr481 kr482 kr483 kr484 kr485 kr486 kr487 kr488 kr489 kr503 kr505 kr507 kr509 kr511 kr513 kr515  |
| Bullying  | ***Overt bully/victim*** Has child hit/beaten up others/been hit/beaten up?  ***Relational bully/victim*** Has child spoilt other childrens’ games/had games spoilt?  | 1; 1-3 times in the past 6 mths 2; 4+ times last 6 mths but <1/wk 3; At least 1/wk 4; Child refused 5; Ch said DK  | Child; questionnaire  | If child responded *yes* to any bullying event he/she will be classified as overt or relational bully/victim if bullying event happened frequently (several times in 6 months) or very frequently (several times a week).   | Overt victimF8FP140F8FP150F8FP160F8FP170F8FP180Relational victimF8FP330F8FP340F8FP350F8FP360Overt bullyF8FP240F8FP250F8FP260F8FP270F8FP280Relational bullyF8FP410F8FP420F8FP430 |
| Self-worth  | Some children are happy with themselves as a person.    | 5;Yes, really like me;  4;Sort of true for me; 3;Yes, a bit like me;  2;No, not really like me;  1;No, not at all like me.  | Child; questionnaire  | This is a derived variable from ALSPAC. Scores ranged from 6–24; scores equal to or less than 14 will be coded as low scores.  | f8se111f8se113f8se115f8se117f8se119f8se121 |
| Scholastic competence  | Some children do very well at their classwork.   | 5;Yes, really like me;  4;Sort of true for me; 3;Yes, a bit like me;  2;No, not really like me;  1;No, not at all like me.   | Child; questionnaire   | This is a derived variable from ALSPAC. Scores ranged from 6–24; scores equal to or less than 14 will be coded as low scores.   | f8se110f8se112f8se114f8se116f8se118f8se120 |
| Unhappy with friends   | Are you happy with the number of friends you’ve got?   | 1, Very happy,  2, Quite happy,  3, Quite unhappy,  4, Unhappy,  And  1, Almost every day,  2, More than once week,  3, Less than once week,  4, Hardly ever,  With an option to say ‘dont know’   | Child; questionnaire   | This is a derived variable from ALSPAC. Scores ranged from 0–15; with a higher score indicating less happiness with friendship. A score of 6 or more was coded as a high score.   | f8fs110f8fs111f8fs112f8fs113f8fs114 |
| Antisocial activities   | Examples include Have you ever taken something from a shop without paying for it?   and   Have you ever tried a cigarette?   | 1 = never 2= ever   | Child; questionnaire   | This is a derived variable that is based upon the total number of activities the child reported doing from 11 different items.  | f8aa101f8aa102f8aa103f8aa105f8aa107f8aa108f8aa110f8aa111f8aa112f8aa113f8aa114 |
| **Measure**  | **Item wording**  | **Response options** | **Reporter and format of reporting**  | **Derivation of measure used in analysis**  | **Variable name**  |
| **Parent variables**  |   |  |  |  |  |
| Anxiety  | Do you feel upset for no obvious reason?  | 1; Often to 4; Never.  | Mother; questionnaire  | The 18 weeks scores will be used for analysis.  | b351   |
| Depression  | I have looked forward with enjoyment to things  | 1; As much as I ever did to 4; Hardly at all.  | Mother;  questionnaire  | The 18 weeks scores will be used for analysis.   | b370   |
| Social class  |   | 1; Professional 2; Managerial and technical  3; Skilled non-manual 4; Skilled manual 5; Partly skilled 6; Unskilled  | Mother; questionnaire  | This scale was recoded into a binary variable of either manual (partly, or unskilled occupations) or non-manual work (professional, managerial, or skilled professions). | c\_sc\_m   |
| Education  |   | 5 categories:  1; vocational,  2; certificate of secondary education (CSE), 3;O-level,  4; A-level,  5; Degree.  | Mother; questionnaire  | This variable was recoded as 1; CSE *or vocational*, 2; *A-level or* *O-level*, 3; *Degree*.     | c645a   |
| Financial problems  |   | 1; affected a lot 2; fairly affected 3; mildly affected 4; No effect at all 5; didnt happen  | Mother; questionnaire  | This variable was recoded into a binary, to indicate either affected by financial problems or not at all/didnt happen | b594   |
| Financial hardship  | Measured using a variable derived from items that asked participants whether they had difficulty in affording food, clothing, heating, rent or mortgage, and things they will need for their baby  | This derived variable is measured on a 15-point scale, with a higher score indicating a higher level of financial hardship.  | Mother; questionnaire  | This variable will be recoded into a binary measure using a cut-off of ≥5 which corresponds to ≈20% of the highest financial hardship scores in the sample.  | c525   |
| Housing status  | Is your home:  | 1; Being bought/mortgaged  2; being bought from council 3; owned - with no mortgage to pay 4; rented from council 5; rented from private 6; landlord – furnished 7; rented from private landlord – unfurnished 8; rented from housing association 9; other (please describe)  | Mother; questionnaire  | This will be recoded into a binary variable of either rented or bought accommodation  | a006  |
| Age  |   |   | Mother; questionnaire   |   | a901  |
| Parental adverse childhood experiences  | Sexual abuse Non-sexual abuse Maladaptive family functioning Parental mental illness Maternal lack of care Maternal overprotection  |   | Mother; questionnaire   | ACE scores derived using an approach adapted from (Crick et al., 2022) | c850 c870 c910 c925 c950 c420 c416 h134 h135 d755 c421a h137a h137c h137d h137b h137e h137f h137g h137h d387 c423 d537 d536 d529 d528 d578 d579 d701 d703 d704 d705 d706 d709 d710 d714 d716 d717 d702 d708 d711 d719 d721 pa706 d720  |

**Table S2.** Original and recoded response options for religiosity items.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  **Measure**   | **Original response options** | **Recoded response options** | **Frequency Mothers**   | **Frequency Partners**   |
| 1) Do you believe in God or in some divine power? | **Yes** **Not sure** **No** | **Yes****Not sure****No**  | **49.8%** **35.3%** **14.9%**  | **37.0%** **34.4%** **28.6%** |
| 2) Do you feel that God (or some divine power) has helped you at any time?   | **Yes** **Not sure** **No**  | **Yes** **Not sure** **No**  | **33.9%** **37.9%** **28.3%**  | **25.3%** **32.3%** **42.4%**  |
| 3) Would you appeal to God for help if you were in trouble?   | **Yes** **Not sure** **No**  | **Yes** **Not sure** **No**  | **46.6%** **31.4%** **22.1%**  | **36.1%** **27.5%** **36.4%**  |
| 4) How long have you had this particular faith?    | **All my life1****More than 5 years1****3-5 years2****1-2 years2** **Less than a year2****No response1** | **Long-time (non)believer1** **Recent convert2**  | **96.9%** **3.1%**  | **96.7%** **3.3%**  |
| 5) Do you go to a place of worship?     | **Yes, at least once a week1** **Yes, at least once a month1****Yes, at least once a year2** **Not at all2****No response2** | **Religious attendance1** **Occasional attendance2**  | **14.3%** **85.7%**  | **10.4%** **89.6%**  |
| 6) Do you obtain help and support from leaders [other members] of your [other] religious group?   | **Yes1** **No2** **No response2** | **Yes1** **No2**  | **11.3%** **88.7%**  | **8.0%** **92.0%** |

**Note.** Superscript indicates recoding pattern.

**Table S3.** Conditional probabilities of the latent classes taken from Halstead et al., 2022.

|  |  |  |
| --- | --- | --- |
|   |  **Mothers**  |   |
|   | Class 1:   | Class 2:   | Class 3:   | Class 4:   |    |
| **Do you believe in God or in some divine power?**  |    |    |    |    |    |
| Yes  | 1.00  | .93  | .24  | .06  |   |
| Not sure  | .00  | .07  | .75  | .24  |   |
| No  | .00  | .00  | .01  | .70  |   |
| **Do you feel that God (or some divine power) has helped you at any time?**  |   |   |   |   |   |
| Yes  | .95  | .73  | .02  | .00  |   |
| Not sure  | .05  | .25  | .78  | .01  |   |
| No  | .00  | .02  | .20  | .99  |   |
| **Would you appeal to God for help if you were in trouble?**  |   |   |   |   |   |
| Yes  | .98  | .89  | .22  | .01  |   |
| Not sure  | .01  | .09  | .71  | .08  |   |
| No  | .00  | .01  | .08  | .91  |   |
| **How long have you had this particular faith?**  |   |   |   |   |   |
| Long-time (non)believer    | .89  | .96  | 1.00  | .97  |   |
| Recent convert  | .11  | .04  | .00  | .03  |   |
| **Do you go to a place of worship?**  |   |   |   |   |   |
| Religious attendance  | .87  | .09  | .03  | .01  |   |
| Occasional attendance  | .13  | .91  | .97  | .99  |   |
| **Do you obtain help and support from leaders or other members of your [other] religious group?**  |   |   |   |   |   |
| Yes  | .84  | .03  | .02  | .00  |   |
| No  | .16  | .97  | .98  | 1.00  |   |

**Table S4.** Prevalence of psychological problems in the ALSPAC study population.

|  |  |  |
| --- | --- | --- |
| Disorder derived from DAWBA  | Derivation of dichotomous outcome variables from list of symptoms in DAWBA and examples of items in DAWBA relating to each outcome  | Prevalence in ALSPAC study population |
| Separation anxiety  | Any separation anxiety symptom(s) ‘a lot more than others’ compared with ‘no more than others’’ or ‘a little more than others’ for example, has he/she worried about sleeping alone?  | 6.9% |
| Social phobia  | Any social fears ‘‘a lot’’ compared with ‘none’ ’a little,’ or ‘hasn’t done this in the last month’ for example, has he/she been afraid of meeting new people?  | 5.5% |
| Specific phobia  | Any particular fears ‘a great deal’ compared with ‘‘quite a lot’, ‘only a little’ or ‘not at all’ for example, is he/she scared of the dark?  | 12.4% |
| Generalized anxiety disorder  | Any of the worries ‘often’ compared with ‘sometimes’ or ‘not at all’ for example, does he/she worry a lot about schoolwork, homework or tests/examinations?  | 8.6% |
| Any depressive disorder  | Any mood symptoms compared with none for example, did he/she think about death a lot?  | 11.6% |
| Any ADHD disorder  | Any attention/activity problems ‘a lot more than others’ compared with ‘a little more than others’ or ‘none’ for example, does he/she often fidget? Is he/she easily distracted?  | 11.1% |
| Oppositional-defiant disorder  | Any of the behaviours ‘a lot more than others’ compared with ‘no more than others’ or ‘a little more than others’ for example, has he/she had severe temper tantrums?  | 6.2% |
| Obsessive compulsive disorder | Any of the behaviours ‘sometimes/often’ compared with ‘never’, for example have they engaged in excessive cleaning e.g., hand washing, baths, showers, toothbrushing etc?  | 3.9% |
| Conduct disorder | Any of the behaviours ‘sometimes/often’ compared with ‘No, for example have they threatened someone, initiated a fight. | 6.7% |

**Table S5.** Prevalence of psychosocial problems in the ALSPAC study population.

|  |  |  |
| --- | --- | --- |
| Psychosocial outcome variable | Derivation of dichotomous outcome variables | Prevalence in ALSPAC study population  |
| Antisocial behaviour | Any antisocial behaviour was taken as an indicator. Examples include “Have you ever taken something from a shop without paying for it?” | 22.6% |
| Unhappy with friends | A score of 6 or more was coded as a high score. Examples include “Are you happy with the number of friends you’ve got?” | 17.1% |
| Low scholastic competence | Scores equal to or less than 14 were coded as low scores. Examples include “some children do very well at their classwork” | 29.7% |
| Low self-worth | Scores equal to or less than 14 were coded as low scores. Examples include “some children are happy with themselves as a person” | 9.3% |
| Overt victim of bullying | If child responded *yes* to any bullying event, he/she was classified as overt or relational bully/victim if bullying event happened frequently (several times a month) or very frequently (several times a week). For example, “has child hit been hit/beaten up?” | 34.2% |
| Overt bully | If child responded *yes* to any bullying event, he/she was classified as overt or relational bully/victim if bullying event happened frequently (several times a month) or very frequently (several times a week). For example, “has child hit/beaten up others?” | 7.0% |
| Relational victim of bullying | If child responded *yes* to any bullying event, he/she was classified as overt or relational bully/victim if bullying event happened frequently (several times a month) or very frequently (several times a week). For example, “has child had games spoilt?” | 16.4% |
| Relational bully | If child responded *yes* to any bullying event, he/she was classified as overt or relational bully/victim if bullying event happened frequently (several times a month) or very frequently (several times a week). For example, “has child spoilt other children’s games?” | 2.4% |

**|**

**Table S6.** Weighted odds ratios and 95% confidence intervals for the associations between maternal religious latent class and offspring mental health at age 7, with the Agnostic class as the reference class.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **OR (CI)** | **OR (CI)** | **OR (CI)** | **OR (CI)** | **OR (CI)** |
|   | Model 1 | Model 2 | Model 3 | Model 4 | Model 5 |
| **ADHD** |   |   |   |   |   |
| Highly religious | 1.29(0.97, 1.73) | 1.30(0.97,1.73) | 1.38(1.03,1.84) | 1.35(1.01,1.81) | 1.34(1.00,1.80) |
| Moderately religious | 1.16(0.90,1.49) | 1.16(0.90,1.50) | 1.19(0.92,1.54) | 1.19(0.92,1.54) | 1.17(0.91,1.52) |
| Atheist | 1.44(1.11,1.88) | 1.43(1.10,1.86) | 1.42(1.09,1.86) | 1.40(1.07,1.83) | 1.41(1.08,1.85) |
| P-value | .043  | .052  | .040  | .057   | .053   |
| **Conduct disorder** |   |   |   |   |   |
| Highly religious | 1.35(0.94,1.96) | 1.36(0.94,1.97) | 1.40(0.96,2.04) | 1.38(0.94,2.01) | 1.37(0.94,2.00) |
| Moderately religious | 1.19(0.86,1.66) | 1.21(0.87,1.69) | 1.24(0.89,1.74) | 1.23(0.88,1.71) | 1.22(0.87,1.71) |
| Atheist | 1.55(1.11,2.18) | 1.51(1.08,2.12) | 1.48(1.06,2.08) | 1.45(1.04,2.04) | 1.46(1.04,2.05) |
| P-value | .067  | .090  | .102  | .134   | .133   |
| **Depression** |   |   |   |   |   |
| Highly religious | 1.51(1.15,1.97) | 1.51(1.15,1.97) | 1.43(1.09,1.88) | 1.41(1.07,1.85) | 1.40(1.07,1.85) |
| Moderately religious | 1.50(1.19,1.90) | 1.50(1.19,1.90) | 1.50(1.19,1.90) | 1.49(1.18,1.89) | 1.48(1.17,1.87) |
| Atheist | 1.17(0.89,1.53) | 1.16(0.89,1.52) | 1.15(0.88,1.50) | 1.13(0.86,1.48) | 1.13(0.86,1.48) |
| P-value | .001  | .001   | .002   | .003   | .004   |
| **General anxiety** |   |   |   |   |   |
| Highly religious | 1.21(0.88,1.66) | 1.21(0.88,1.66) | 1.23(0.89,1.70) | 1.23(0.89,1.69) | 1.22(0.88,1.69) |
| Moderately religious | 1.44(1.11,1.88) | 1.44(1.11,1.88) | 1.46(1.12,1.91) | 1.45(1.12,1.89) | 1.43(1.10,1.87) |
| Atheist | 1.24(0.92,1.67) | 1.24(0.92,1.66) | 1.24(0.92,1.67) | 1.23(0.91,1.66) | 1.24(0.92,1.67) |
| P-value | .056   | .055  | .045   | .050   | .066   |
| **OCD** |   |   |   |   |   |
| Highly religious | 1.60(1.08,2.37) | 1.60(1.08,2.37) | 1.58(1.07,2.34) | 1.55(1.05,2.30) | 1.53(1.03,2.26) |
| Moderately religious | 0.65(0.41,1.03) | 0.65(0.41,1.02) | 0.65(0.41,1.03) | 0.65(0.41,1.03) | 0.64(0.41,1.02) |
| Atheist | 1.04(0.69,1.59) | 1.05(0.69,1.60) | 1.04(0.68,1.59) | 1.03(0.67,1.56) | 1.03(0.68,1.57) |
| P-value | .004   | .004   | .006   | .007   | .008   |
| **Social phobia** |   |   |   |   |   |
| Highly religious | 1.39(0.96,2.01) | 1.39(0.96,2.01) | 1.37(0.94,2.01) | 1.34(0.91,1.96) | 1.33(0.91,1.95) |
| Moderately religious | 1.25(0.89,1.75) | 1.25(0.89,1.75) | 1.26(0.90,1.76) | 1.25(0.89,1.75) | 1.24(0.88,1.73) |
| Atheist | 1.04(0.71,1.53) | 1.04(0.71,1.53) | 1.02(0.69,1.51) | 1.00(0.68,1.48) | 1.01(0.68,1.49) |
| P-value | .255  | .254   | .259   | .287   | .328   |
| **Specific phobia** |   |   |   |   |   |
| Highly religious | 1.01(0.77,1.32) | 1.01(0.77,1.32) | 1.06(0.81,1.39) | 1.06(0.80,1.39) | 1.06(0.80,1.39) |
| Moderately religious | 1.03(0.82,1.29) | 1.03(0.82,1.30) | 1.05(0.84,1.32) | 1.05(0.84,1.32) | 1.05(0.83,1.32) |
| Atheist | 0.86(0.66,1.12) | 0.85(0.65,1.10) | 0.85(0.65,1.10) | 0.84(0.65,1.10) | 0.84(0.65,1.10) |
| P-value | .585   | .499   | .374   | .368   | .383   |
| **ODD** |   |   |   |   |   |
| Highly religious | 1.73(1.21,2.49) | 1.74(1.21,2.49) | 1.78(1.24,2.55) | 1.74(1.21,2.50) | 1.72(1.19,2.48) |
| Moderately religious | 1.39(1.00,1.94) | 1.40(1.00,1.95) | 1.43(1.02,2.00) | 1.41(1.01,1.98) | 1.38(0.99,1.94) |
| Atheist | 1.44(1.00,2.06) | 1.42(1.00,2.04) | 1.40(0.98,2.01) | 1.37(0.95,1.97) | 1.39(0.96,1.99) |
| P-value | .020   | .020   | .015   | .022   | .027   |
| **Separation anxiety** |   |   |   |   |   |
| Highly religious | 1.19(0.83,1.71) | 1.19(0.83,1.71) | 1.19(0.82,1.73) | 1.18(0.81,1.71) | 1.18(0.81,1.72) |
| Moderately religious | 1.23(0.91,1.68) | 1.24(0.91,1.68) | 1.26(0.92,1.72) | 1.25(0.92,1.71) | 1.25(0.92,1.71) |
| Atheist | 1.09(0.77,1.54) | 1.08(0.77,1.53) | 1.06(0.75,1.50) | 1.05(0.74,1.48) | 1.05(0.74,1.48) |
| P-value | .552  | .530  | .469  | .479  | .775 |

**Note.** *Model 2* adjusts for maternal age, *Model 3* for maternal age and SEP, *Model 4* for maternal age, SEP and ACE, and *Model 5* for maternal age, SEP, ACE, and maternal mental health. P values are omnibus p-values based on a Wald test with 3 d.f.

 **Table S7.** Weighted odds ratios and 95% confidence intervals for the associations between maternal religious latent class and offspring psychosocial outcomes at age 8, with the Agnostic class as the reference class.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **OR (CI)** | **OR (CI)** | **OR (CI)** | **OR (CI)** | **OR (CI)** |
|   | Model 1 | Model 2 | Model 3 | Model 4 | Model 5 |
| **Antisocial behaviour** |   |   |   |   |   |
| Highly religious | 1.29(1.03,1.62) | 1.29(1.03,1.62) | 1.31(1.04,1.64) | 1.29(1.02,1.62) | 1.29(1.02,1.62) |
| Moderately religious | 1.24(1.02,1.51) | 1.24(1.02,1.51) | 1.24(1.02,1.51) | 1.23(1.01,1.50) | 1.24(1.01,1.51) |
| Atheist | 1.42(1.15,1.77) | 1.42(1.14,1.76) | 1.41(1.13,1.75) | 1.40(1.12,1.73) | 1.40(1.12,1.73) |
| P-value | .008  | .009  | .009  | .014  | .013   |
| **Low scholastic competence** |   |   |   |   |   |
| Highly religious | 0.96(0.77,1.19) | 0.96(0.77,1.19) | 1.04(0.84,1.29) | 1.03(0.83,1.29) | 1.04(0.84,1.30) |
| Moderately religious | 1.17(0.98,1.40) | 1.18(0.99,1.41) | 1.21(1.01,1.44) | 1.21(1.01,1.44) | 1.22(1.02,1.46) |
| Atheist | 1.10(0.90,1.35) | 1.10(0.90,1.34) | 1.12(0.91,1.36) | 1.12(0.91,1.37) | 1.12(0.91,1.37) |
| P-value | .241   | .225   | .223   | .215   | .184   |
| **Low self worth** |   |   |   |   |   |
| Highly religious | 1.26(0.96,1.64) | 1.26(0.97,1.64) | 1.25(0.96,1.64) | 1.26(0.96,1.65) | 1.27(0.97,1.67) |
| Moderately religious | 1.15(0.91,1.45) | 1.16(0.91,1.46) | 1.15(0.91,1.46) | 1.15(0.91,1.46) | 1.17(0.93,1.49) |
| Atheist | 1.17(0.91,1.52) | 1.16(0.90,1.51) | 1.15(0.89,1.49) | 1.15(0.89,1.50) | 1.16(0.89,1.50) |
| P-value | .324   | .321   | .356   | .339   | .289   |
| **Victim of overt bullying** |   |   |   |   |   |
| Highly religious | 0.91(0.75,1.12) | 0.91(0.75,1.12) | 0.88(0.72,1.08) | 0.89(0.73,1.10) | 0.89(0.73,1.10) |
| Moderately religious | 0.95(0.80,1.13) | 0.95(0.80,1.13) | 0.94(0.79,1.12) | 0.94(0.79,1.12) | 0.95(0.80,1.13) |
| Atheist | 0.94(0.78,1.14) | 0.95(0.78,1.15) | 0.94(0.78,1.14) | 0.95(0.79,1.15) | 0.96(0.79,1.16) |
| P-value | .827   | .826   | .669   | .733   | .743   |
| **Relational bully** |   |   |   |   |   |
| Highly religious | 0.71(0.40,1.27) | 0.71(0.40,1.26) | 0.67(0.38,1.19) | 0.64(0.36,1.16) | 0.65(0.36,1.17) |
| Moderately religious | 1.03(0.59,1.80) | 1.02(0.59,1.78) | 1.01(0.58,1.76) | 1.01(0.58,1.76) | 1.05(0.60,1.84) |
| Atheist | 0.90(0.50,1.63) | 0.91(0.50,1.65) | 0.90(0.50,1.62) | 0.89(0.49,1.61) | 0.90(0.50,1.63) |
| P-value | .642   | .649   | .535   | .468   | .458   |
| **Overt bully** |   |   |   |   |   |
| Highly religious | 0.60(0.41,0.88) | 0.62(0.43,0.89) | 0.59(0.40,0.87) | 0.59(0.40,0.86) | 0.59(0.40,0.87) |
| Moderately religious | 0.74(0.52,1.05) | 0.74(0.53,1.05) | 0.72(0.51,1.03) | 0.72(0.51,1.03) | 0.73(0.51,1.04) |
| Atheist | 0.57(0.40,0.83) | 0.58(0.39,0.85) | 0.58(0.40,0.84) | 0.58(0.40,0.84) | 0.58(0.40,0.84) |
| P-value | .013   | .014   | .013   | .012   | .013   |
| **Victim of relational bullying** |   |   |   |   |   |
| Highly religious | 0.77(0.60,0.99) | 0.77(0.60,0.98) | 0.72(0.56,0.93) | 0.74(0.57,0.95) | 0.74(0.57,0.95) |
| Moderately religious | 0.94(0.75,1.17) | 0.93(0.75,1.16) | 0.91(0.73,1.14) | 0.92(0.74,1.15) | 0.92(0.74,1.15) |
| Atheist | 1.08(0.84,1.39) | 1.09(0.84,1.40) | 1.08(0.83,1.39) | 1.09(0.84,1.40) | 1.09(0.84,1.41) |
| P-value | .103   | .087   | .033   | .045   | .045   |
| **Unhappy with friends** |   |   |   |   |   |
| Highly religious | 1.15(0.91,1.47) | 1.15(0.91,1.47) | 1.17(0.92,1.50) | 1.16(0.91,1.48) | 1.15(0.91,1.47) |
| Moderately religious | 0.93(0.75,1.15) | 0.93(0.75,1.15) | 0.94(0.76,1.17) | 0.94(0.76,1.17) | 0.94(0.76,1.16) |
| Atheist | 0.77(0.60,0.98) | 0.77(0.60,0.98) | 0.77(0.60,0.98) | 0.76(0.59,0.98) | 0.76(0.59,0.98) |
| P-value | .047  | .048  | .040  | .042  | .043 |

 **Note.** *Model 2* adjusts for maternal age, *Model 3* for maternal age and SEP, *Model 4* for maternal age, SEP, and ACE, and *Model 5* for maternal age, SEP, ACE, and maternal mental health. P values are omnibus p-values based on a Wald test with 3 d.f.

**Table S8.** Unweighted odds ratios and 95% confidence intervals for the associations between parental religious latent class and offspring mental health, with the Agnostic class as the reference class.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **OR (CI)** | **OR (CI)** | **OR (CI)** | **OR (CI)** | **OR (CI)** |
|   | Model 1 | Model 2 | Model 3 | Model 4 | Model 5 |
| **ADHD** |   |   |   |   |   |
| Highly religious | 1.22(0.91,1.61) | 1.25(1.67, 0.94) | 1.34(1.00,1.78) | 1.31(0.98,1.74) | 1.30(0.97,1.73) |
| Moderately religious | 1.21(0.95,1.54) | 1.22(0.96,1.56) | 1.24(0.97,1.59) | 1.23(0.96,1.57) | 1.22(0.96,1.56) |
| Atheist | 1.44(1.12,1.85) | 1.43(1.12,1.84) | 1.40(1.09,1.80) | 1.37(1.07,1.77) | 1.38(1.07,1.78) |
| P-value | .040  | .040  | .044  | .069  | .068  |
| **Conduct disorder** |   |   |   |   |   |
| Highly religious | 1.30(0.91,1.86) | 1.38(0.97,1.98) | 1.45(1.01,2.09) | 1.41(0.98,2.02) | 1.40(0.97,2.02) |
| Moderately religious | 1.17(0.85,1.59) | 1.20(0.88,1.63) | 1.22(0.89,1.67) | 1.20(0.87,1.64) | 1.20(0.87,1.64) |
| Atheist | 1.54(1.13,2.11) | 1.52(1.11,2.08) | 1.44(1.05,1.98) | 1.40(1.02,1.93) | 1.40(1.02,1.93) |
| P-value | .049  | .051  | .077  | .124  | .124  |
| **Depression** |   |   |   |   |   |
| Highly religious | 1.48(1.14,1.94) | 1.57(1.20,2.06) | 1.47(1.12,1.93) | 1.44(1.09,1.89) | 1.44(1.09,1.89) |
| Moderately religious | 1.55(1.24,1.95) | 1.59(1.27,2.00) | 1.59(1.27,1.99) | 1.57(1.25,1.98) | 1.56(1.24,1.96) |
| Atheist | 1.21(0.94,1.57) | 1.20(0.92,1.55) | 1.18(0.91,1.53) | 1.15(0.89,1.49) | 1.15(0.89,1.50) |
| P-value |   |   |   |   |   |
| **General anxiety** |   |   |   |   |   |
| Highly religious | 1.15(0.84,1.58) | 1.21(0.88,1.66) | 1.21(0.88,1.67) | 1.19(0.87,1.64) | 1.19(0.87,1.64) |
| Moderately religious | 1.43(1.12,1.84) | 1.46(1.14,1.88) | 1.47(1.14,1.90) | 1.46(1.13,1.88) | 1.44(1.12,1.86) |
| Atheist | 1.24(0.94,1.64) | 1.23(0.93,1.63) | 1.21(0.92,1.60) | 1.20(0.90,1.59) | 1.20(0.91,1.59) |
| P-value | .001  | .000  | .000  | .000  | .001  |
| **OCD** |   |   |   |   |   |
| Highly religious | 1.53(1.04,2.26) | 1.71(1.17,2.51) | 1.58(1.07,2.32) | 1.55(1.05,2.27) | 1.52(1.04,2.23) |
| Moderately religious | 0.63(0.41,0.99) | 0.67(0.43,1.04) | 0.66(0.42,1.03) | 0.65(0.42,1.02) | 0.65(0.41,1.01) |
| Atheist | 1.10(0.74,1.64) | 1.07(0.71,1.59) | 1.07(0.71,1.60) | 1.05(0.70,1.56) | 1.06(0.71,1.58) |
| P-value | .005  | .002  | .006  | .007  | .007  |
| **Social phobia** |   |   |   |   |   |
| Highly religious | 1.32(0.91,1.90) | 1.31(0.91,1.90) | 1.32(0.91,1.92) | 1.27(0.87,1.85) | 1.26(0.86,1.84) |
| Moderately religious | 1.25(0.91,1.72) | 1.25(0.91,1.72) | 1.26(0.92,1.74) | 1.24(0.90,1.71) | 1.23(0.89,1.69) |
| Atheist | 1.00(0.69,1.44) | 1.00(0.69,1.44) | 0.97(0.67,1.40) | 0.94(0.65,1.35) | 0.94(0.65,1.36) |
| P-value | .272  | .287  | .225  | .258  | .304  |
| **Specific phobia** |   |   |   |   |   |
| Highly religious | 0.99(0.76,1.29) | 1.05(0.80,1.37) | 1.10(0.83,1.44) | 1.09(0.83,1.43) | 1.09(0.82,1.43) |
| Moderately religious | 1.07(0.86,1.34) | 1.10(0.88,1.37) | 1.11(0.89,1.39) | 1.11(0.89,1.39) | 1.11(0.89,1.38) |
| Atheist | 0.95(0.75,1.22) | 0.94(0.74,1.20) | 0.93(0.72,1.19) | 0.92(0.72,1.18) | 0.92(0.72,1.18) |
| P-value | .813  | .639  | .468  | .465  | .492  |
| **ODD** |   |   |   |   |   |
| Highly religious | 1.60(1.13,2.27) | 1.66(1.17,2.37) | 1.73(1.22,2.47) | 1.68(1.18,2.40) | 1.66(1.16,2.38) |
| Moderately religious | 1.39(1.01,1.91) | 1.41(1.03,1.94) | 1.44(1.05,1.98) | 1.41(1.03,1.94) | 1.39(1.01,1.92) |
| Atheist | 1.47(1.05,2.05) | 1.45(1.04,2.03) | 1.38(0.99,1.94) | 1.35(0.96,1.89) | 1.36(0.97,1.90) |
| P-value | .031  | .020  | .014  | .024  | .030  |
| **Separation anxiety** |   |   |   |   |   |
| Highly religious | 1.18(0.83,1.69) | 1.16(0.81,1.66) | 1.16(0.81,1.66) | 1.19(0.82,1.72) | 1.18(0.82,1.71) |
| Moderately religious | 1.30(0.97,1.75) | 1.29(0.96,1.74) | 1.29(0.96,1.74) | 1.31(0.98,1.77) | 1.31(0.97,1.76) |
| Atheist | 1.19(0.86,1.66) | 1.20(0.86,1.66) | 1.20(0.86,1.66) | 1.15(0.83,1.60) | 1.14(0.82,1.59) |
| P-value | 0.361  | 0.387  | 0.343  | 0.357  | 0.359  |

**Table S9.** Unweighted odds ratios and 95% confidence intervals for the associations between parental religious latent class and offspring psychosocial outcomes, with the Agnostic class as the reference class.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **OR (CI)** | **OR (CI)** | **OR (CI)** | **OR (CI)** | **OR (CI)** |
|   | Model 1 | Model 2 | Model 3 | Model 4 | Model 5 |
| **Antisocial behaviour** |   |   |   |   |   |
| Highly religious | 1.24(0.99,1.55) | 1.24(0.99,1.55) | 1.26(1.01,1.58) | 1.24(0.99,1.56) | 1.25(1.00,1.56) |
| Atheist | 1.16(0.96,1.40) | 1.16(0.96,1.40) | 1.16(0.95,1.40) | 1.15(0.95,1.40) | 1.15(0.95,1.40) |
| Moderately religious | 1.35(1.10,1.66) | 1.35(1.10,1.66) | 1.32(1.08,1.63) | 1.31(1.07,1.62) | 1.32(1.07,1.62) |
| P-value | .014  | .015  | .019  | .026  | .025  |
| **Scholastic competence** |   |   |   |   |   |
| Highly religious | 0.97(0.79,1.20) | 1.00(0.81,1.23) | 1.07(0.86,1.32) | 1.07(0.86,1.32) | 1.07(0.86,1.33) |
| Atheist | 1.13(0.95,1.35) | 1.15(0.97,1.37) | 1.17(0.98,1.39) | 1.17(0.98,1.39) | 1.17(0.99,1.40) |
| Moderately religious | 1.15(0.95,1.40) | 1.16(0.96,1.40) | 1.16(0.96,1.41) | 1.16(0.96,1.41) | 1.16(0.96,1.41) |
| P-value | .318   | .305   | .324  | .319  | .315  |
| **Low self worth** |   |   |   |   |   |
| Highly religious | 1.31(1.01,1.69) | 1.32(1.02,1.72) | 1.32(1.01,1.71) | 1.32(1.02,1.72) | 1.34(1.03,1.74) |
| Atheist | 1.08(0.86,1.35) | 1.09(0.86,1.36) | 1.08(0.86,1.36) | 1.09(0.86,1.36) | 1.10(0.88,1.38) |
| Moderately religious | 1.26(0.99,1.60) | 1.26(0.99,1.60) | 1.23(0.96,1.57) | 1.23(0.97,1.58) | 1.24(0.97,1.58) |
| P-value | .153   | .141   | .166   | .160   | .152   |
| **Victim of overt bullying** |   |   |   |   |   |
| Highly religious | 0.96(0.87,1.05) | 0.92(0.76,1.13) | 0.90(0.73,1.10) | 0.91(0.75,1.12) | 0.91(0.75,1.12) |
| Atheist | 0.98(0.94,1.02) | 0.96(0.81,1.13) | 0.95(0.81,1.13) | 0.96(0.81,1.13) | 0.96(0.81,1.13) |
| Moderately religious | 0.95(0.87,1.05) | 0.95(0.79,1.14) | 0.96(0.79,1.15) | 0.96(0.80,1.16) | 0.96(0.80,1.16) |
| P-value | .878   | .767  | .657   | .743   | .748   |
| **Relational bully** |   |   |   |   |   |
| Highly religious | 0.78(0.44,1.39) | 0.76(0.42,1.36) | 0.71(0.40,1.28) | 0.70(0.39,1.25) | 0.70(0.39,1.27) |
| Atheist | 0.95(0.56,1.61) | 0.94(0.56,1.59) | 0.93(0.55,1.58) | 0.94(0.55,1.59) | 0.96(0.56,1.63) |
| Moderately religious | 0.89(0.50,1.58) | 0.89(0.50,1.57) | 0.90(0.51,1.57) | 0.89(0.51,1.57) | 0.90(0.51,1.57) |
| P-value | .855   | .828   | .724   | .679   | .664   |
| **Overt bully** |   |   |   |   |   |
| Highly religious | 0.61(0.42,0.88) | 0.60(0.41,0.87) | 0.58(0.40,0.84) | 0.57(0.39,0.83) | 0.58(0.40,0.84) |
| Atheist | 0.74(0.53,1.04) | 0.73(0.52,1.03) | 0.73(0.52,1.02) | 0.73(0.52,1.02) | 0.74(0.52,1.03) |
| Moderately religious | 0.59(0.42,0.84) | 0.59(0.42,0.84) | 0.60(0.42,0.85) | 0.60(0.42,0.85) | 0.60(0.42,0.85) |
| P-value | .007  | .006   | .006   | .005   | .005   |
| **Victim of relational bullying** |   |   |   |   |   |
| Highly religious | 0.82(0.65,1.05) | 0.80(0.63,1.02) | 0.76(0.59,0.97) | 0.77(0.60,0.99) | 0.77(0.60,0.99) |
| Atheist | 0.98(0.79,1.21 | 0.96(0.77,1.19) | 0.94(0.76,1.17) | 0.95(0.76,1.17) | 0.95(0.77,1.18) |
| Moderately religious | 1.06(0.83,1.35 | 1.05(0.83,1.34) | 1.06(0.83,1.35) | 1.06(0.83,1.36) | 1.07(0.84,1.36) |
| P-value | .376   | .255   | .109   | .149   | .173   |
| **Unhappy with friends** |   |   |   |   |   |
| Highly religious | 1.11(0.88,1.40) | 1.10(0.87,1.39) | 1.13(0.89,1.43) | 1.11(0.88,1.41) | 1.11(0.87,1.41) |
| Atheist | 0.91(0.74,1.11) | 0.90(0.73,1.11) | 0.91(0.74,1.12) | 0.91(0.74,1.12) | 0.91(0.74,1.12) |
| Moderately religious | 0.79(0.62,1.01) | 0.79(0.62,1.01) | 0.79(0.62,1.00) | 0.78(0.61,0.99) | 0.78(0.61,0.99) |
| P-value | .113  | .120  | .082  | .088  | .092  |