**SUPPLEMENTARY MATERIAL**

Baldwin,Ayorech, Rijsdijk, Schoeler, & Pingault. Cyber-victimisation and mental health in young people: A co-twin control study.

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# Supplementary Table 1. Sample characteristics.



Note: Data for national equivalents refers to cohorts of parents with small children born in late 1990s to early 2000s: full references for these data can be found in Rimfeld et al. (2019). A-levels are national qualifications in the UK taken at ages 17-18 years prior to university.

**Supplementary Table 2**. Descriptive statistics for mental health measures at age 22.



Abbreviations: SD=standard deviation. N=Sample size with complete data for mental health measures at age 22 and cyber-victimisation for both twins in a pair. SDQ=Strengths and Difficulties Questionnaire; SMGAD= Severity Measure for Generalized Anxiety Disorder; MFQ=Mood and Feelings Questionnaire; CASE=Child and Adolescent Self-harm in Europe Study measure; EDI2= Eating Disorder Inventory-2; Conners=Conners Rating Scale; ESYPQ=The Edinburgh Study of Young People Questionnaire; AUDIT=The Alcohol Use Disorders Identification Test; CAST=Cannabis Abuse Screening Test; SPEQ=Specific Psychotic Experiences Questionnaire.

Results are presented as means and standard deviations (SD) for continuous variables and percentages and numbers for binary variables (i.e., self-harm and suicidal ideation).

**Supplementary Table 3**. Descriptive statistics for covariates.



Abbreviations: SD=standard deviation. N=Sample size with complete data for each covariate and cyber-victimisation for both twins in a pair. SDQ=Strengths and Difficulties Questionnaire; SMGAD= Severity Measure for Generalized Anxiety Disorder; MFQ=Mood and Feelings Questionnaire; CASE=Child and Adolescent Self-harm in Europe Study measure; EDI2= Eating Inventory Conners=Conners Rating Scale; ESYPQ=The Edinburgh Study of Young People Questionnaire; AUDIT=The Alcohol Use Disorders Identification Test; CAST=Cannabis Abuse Screening Test; SPEQ=Specific Psychotic Experiences Questionnaire.

**Supplementary Table 4.** Moderation of the associations between cyber-victimisation and mental health problems by sex.

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Abbreviations: SDQ=Strengths and Difficulties Questionnaire; SMGAD= Severity Measure for Generalized Anxiety Disorder; MFQ=Mood and Feelings Questionnaire; CASE=Child and Adolescent Self-harm in Europe Study measure; EDI2= Eating Disorder Inventory-2; Conners=Conners Rating Scale; ESYPQ=The Edinburgh Study of Young People Questionnaire; AUDIT=The Alcohol Use Disorders Identification Test; CAST=Cannabis Abuse Screening Test; SPEQ=Specific Psychotic Experiences Questionnaire. **\***Significant sex differences are shown in bold text. Coefficients for suicidal ideation and self-harm are from probit regressions.

# Supplementary Table 5. Associations between individual-level covariates (mental health problems at age 16 and face-to-face peer victimisation at age 22) with cyber-victimisation at age 22.



Abbreviations:SDQ=Strengths and Difficulties Questionnaire; ARBQ=Anxiety-Related Behaviours Questionnaire; MFQ=Mood and Feelings Questionnaire; Conners=Conners Rating Scale; SPEQ=Specific Psychotic Experiences Questionnaire.

\*Significant associations are shown in bold text.

# Supplementary Table 6. Associations between face-to-face peer victimisation and prior mental health with mental health problems in emerging adulthood.

Abbreviations:SDQ=Strengths and Difficulties Questionnaire; SMGAD= Severity Measure for Generalized Anxiety Disorder; MFQ=Mood and Feelings Questionnaire; CASE= Child and Adolescent Self-harm in Europe Study measure; EDI2= Eating Disorder Inventory-2; Conners=Conners Rating Scale; ESYPQ=The Edinburgh Study of Young People Questionnaire; AUDIT=The Alcohol Use Disorders Identification Test; CAST=Cannabis Abuse Screening Test; SPEQ=Specific Psychotic Experiences Questionnaire; ARBQ=Anxiety-Related Behaviours Questionnaire. \*Significant associations are shown in bold text

# Supplementary Table 7. Subgroup analyses of the pooled association between cyber-victimisation and mental health problems by informant.



Abbreviations: DZ=dizygotic (same-sex) twins; MZ=monozygotic twins. \*Estimates were obtained from aggregate single-study meta-analysis models which account for correlations between the outcomes.

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