

## Supplementary File S2: Search strategy (update September 23, 2024)

### Scopus 283

(( TITLE-ABS-KEY ( adolescents ) OR TITLE-ABS-KEY ( adolescent ) OR TITLE-ABS-KEY ( childhood ) OR TITLE-ABS-KEY ( children ) OR TITLE-ABS-KEY ( young AND adults ) OR TITLE-ABS-KEY ( young AND people ) OR TITLE-ABS-KEY ( teenagers ) OR TITLE-ABS-KEY ( teenager ) OR TITLE-ABS-KEY ( teens ) OR TITLE-ABS-KEY ( young )) AND (( TITLE-ABS-KEY ( technology AND addiction ) OR TITLE-ABS-KEY ( technology ) OR TITLE-ABS-KEY ( internet ) OR TITLE-ABS-KEY ( internet AND addiction ) OR TITLE-ABS-KEY ( internet AND addiction AND disorder ) OR TITLE-ABS-KEY ( addictive AND behaviour ) OR TITLE-ABS-KEY ( smartphone ) OR TITLE-ABS-KEY ( smartphone AND addiction ) OR TITLE-ABS-KEY ( phubbing ) OR TITLE-ABS-KEY ( phubbing AND behavior ) OR TITLE-ABS-KEY ( internet AND gaming ) OR TITLE-ABS-KEY ( gaming ) OR TITLE-ABS-KEY ( internet AND gaming AND disorder ) OR TITLE-ABS-KEY ( gaming AND addiction ) OR TITLE-ABS-KEY ( withdrawal ) OR TITLE-ABS-KEY ( social AND media )) ) AND (( TITLE-ABS-KEY ( anhedonia ) OR TITLE-ABS-KEY ( anhedonic AND depression ) OR TITLE-ABS-KEY ( anhedonia AND depression ) OR TITLE-ABS-KEY ( anhedonic AND behavior )) ) AND ( LIMIT-TO ( SUBJAREA , "MEDI" ) OR LIMIT-TO ( SUBJAREA , "PSYC" ) OR LIMIT-TO ( SUBJAREA , "NEUR" ) OR LIMIT-TO ( SUBJAREA , "NURS" ) OR LIMIT-TO ( SUBJAREA , "ENVI" ) OR LIMIT-TO ( SUBJAREA , "MULT" ) OR LIMIT-TO ( SUBJAREA , "HEAL" ) OR LIMIT-TO ( SUBJAREA , "PHAR" ) OR LIMIT-TO ( SUBJAREA , "SOCI" ) ) )

### Embase 40

(adolescent OR childhood OR child OR children OR young OR young adult OR young people OR teenager) AND (technology addiction OR internet addiction disorder OR addictive behaviour OR smartphone OR phubbing OR internet OR internet addiction OR internet gaming OR social media addiction OR social withdrawal OR problematic smartphone use OR social media OR problematic internet use OR problematic smartphone OR social media mental health) AND (anhedonia)

### PubMed 101

Search: (((((((("Anhedonia"[Mesh]) OR (Anhedonia)) OR (anhedonia depression)) OR (anhedonia depression treatment)) OR (anhedonia depressed mood)) OR (anhedonia social)) AND (((((((((((((((((((((((("Technology Addiction"[Mesh]) OR "Internet Addiction Disorder"[Mesh]) OR "Behavior, Addictive"[Mesh]) OR (smartphone)) OR (smartphone addiction)) OR (smart phone)) OR (smart phones)) OR (internet)) OR (internet addiction)) OR (internet addiction disorder)) OR (internet gaming)) OR (internet gaming disorder)) OR (social media addiction)) OR (social media mental)) OR (social media mental health)) OR (social media mental health adolescents)) OR (social media)) OR (social withdrawal)) OR (dysthymia)) OR (dysthymia)) OR (social phobia)) OR (phubbing)) OR (problematic internet)) OR (problematic internet use)) OR (problematic smartphone)) OR (problematic smartphone use))) AND (((((((((((((((((((((((("Adolescent"[Mesh]) OR "Psychology, Adolescent"[Mesh]) OR "Adolescent Psychiatry"[Mesh]) OR "Adolescent Behavior"[Mesh]) OR "Learning Disabilities"[Mesh]) OR (childhood)) OR (child)) OR (children)) OR (children adolescents)) OR (depression children adolescents)) OR (adolescents)) OR (adolescent depression)) OR (young)) OR (young adult)) OR (young adults)) OR (young people)) OR (teenage)) OR (teenage years)) OR (boys girls)) OR (teenage girls)) OR (adolescent girls)) OR (young men)) OR (young man)) OR (young girl)) OR (teenager)) OR (teenager depression)) OR (teenager mental health)) OR

(anxiety teenagers)) OR (social media teenagers)) OR (child depression)) OR (depression child development))

### **PsycInfo 80**

(adolescent OR childhood OR child OR children OR children OR young OR young adult OR young people OR teenager) AND (technology addiction OR internet addiction disorder OR addictive behaviour OR smartphone OR phubbing OR internet OR internet addiction OR internet gaming OR social media addiction OR social withdrawal OR problematic smartphone use OR social media OR problematic internet use OR problematic smartphone OR social media mental health) AND (anhedonia)

### **Cochrane Library 3308**

#1 (“technology”): ti,ab,kw OR (“internet”): ti,ab,kw OR (“gaming”): ti,ab,kw OR (“withdrawal”): ti,ab,kw (Word variations have been searched).

#2 (“Child”): ti,ab,kw OR (“Young”): ti,ab,kw OR (“teen-age”): ti,ab,kw OR (“adolescent”): ti,ab,kw (Word variations have been searched).

#3 (“anhedonia”): ti,ab,kw OR (“depression”): ti,ab,kw OR (“mental disorder”): ti,ab,kw OR (“mental disease”): ti,ab,kw (Word variations have been searched).

#4: #1 AND #2 AND #3.