

SUPPLEMENTARY TABLE 3: QUESTIONNAIRES

A. Demographics

Domains/Scales	Respondent	Instrument (code name)	Source
Eligibility	Mother	Telephone Interview (A07f)	SYS
Parents' DOB & Education Level	Mother	Telephone Interview (A07f)	SYS
Family structure (birth, 3yr, 10 yr. now)	Mother	Medical & SES Questionnaire (B02f)	SYS
Primary caregiver (birth to 4yr)	Mother	Medical & SES Questionnaire (B02f)	SYS
Height and weight of the parents	Mother	Medical & SES Questionnaire (B02f)	SYS
Place and date of birth of parents	Mother	Medical & SES Questionnaire (B02f)	SYS
Parental Employment Status	Mother	Medical & SES Questionnaire (B02f)	SYS
Family income	Mother	Medical & SES Questionnaire (B02f)	SYS
Type of residence	Mother	Medical & SES Questionnaire (B02f)	SYS
Stressful events	Mother/Father	Family environment (B09f)	SYS
Parental education	Mother/Father	Family environment (B09f)	SYS
Handedness of the mother & her relatives	Mother	Handedness: Mother & Her Relatives (B17f)	MNI
Handedness of the father & his relatives	Father	Handedness: Father & His Relatives (B15f)	MNI
Handedness of the adolescent	Adolescent	Handedness: Adolescent (E01f)	MNI

B. Medical and Psychiatric History

Domains/Scales	Respondent	Instrument (code name)	Source
Child's medical history	Mother	Telephone Interview (A07f)	SYS
MR contraindications	Mother	Telephone Interview (A07f)	SYS
Pregnancies, stillbirths, abortions, IVF	Mother	Medical & SES Questionnaire (B02f)	SYS
Pregnancy and birth	Mother	Medical & SES Questionnaire (B02f)	SYS
Breastfeeding	Mother	Medical & SES Questionnaire (B02f)	SYS
Child's medical and psychiatric history	Mother	Medical & SES Questionnaire (B02f)	SYS
Family medical history (1st degree relatives)	Mother	Medical & SES Questionnaire (B02f)	SYS
Mother's Depression	Mother	Mental Health & Anti-social Behaviour (B10f)	GRIP-A
Mother's Anxiety	Mother	Mental Health & Anti-social Behaviour (B10f)	GRIP-B
Father's Depression	Father	Mental Health & Anti-social Behaviour (B12f)	GRIP-A
Father's Anxiety	Father	Mental Health & Anti-social Behaviour (B12f)	GRIP-B

Hyperactivity	Adolescent	Adolescent behaviour (J04f)	GRIP-C
Inattention	Adolescent	Adolescent behaviour (J04f)	GRIP-C
Anxiety	Adolescent	Adolescent behaviour (J04f)	GRIP-C
Depression & Suicide	Adolescent	Adolescent behaviour (J04f)	GRIP-A
Social phobia	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Simple Anxiety Disorder	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Agoraphobia	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Panic	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Generalized Anxiety Disorder	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Specific Phobia	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Obsessive Compulsive Disorder	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Eating Disorder	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Elimination Disorder	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Major Depressive Disorder	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Mania	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Schizophrenia	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Attention Deficit Hyperactivity Disorder	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Oppositional Defiant Disorder	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Conduct Disorder	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Alcohol	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Marijuana Dependence	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Other Substances Abused	Adolescent	Psychiatric diagnosis likelihood (P05f)	DPS
Concussion	Adolescent	Healthy Lifestyle (J02f)	D. Goodman

C. Cigarettes, Alcohol & Drugs

Domains/Scales	Respondent	Instrument (code name)	Source
Maternal cigarette smoking (past, present, pregnancy)	Mother	Telephone Interview (A07f)	SYS
Maternal cigarettes smoking (during pregnancy)	Physician	Obstetric chart	QMH
Second hand smoke during pregnancy	Mother	Medical & SES Questionnaire (B02f)	SYS
Father's cigarette smoking	Father	Mental Health & Anti-social Behaviour (B12f)	GRIP-D

Ado drugs, alcohol, sexual abuse	Mother/Father	Family environment (B09f)	SYS
Mother's alcohol and drug use	Mother	Mental Health & Anti-social Behaviour (B10f)	GRIP-D
Father's alcohol and drug use	Father	Mental Health & Anti-social Behaviour (B12f)	GRIP-D
Cigarette smoking	Adolescent	Adolescent behaviour (J04f)	GRIP-E
Drugs & Alcohol	Adolescent	Adolescent behaviour (J04f)	GRIP-F

D. Anti-social Behaviour

Domains/Scales	Respondent	Instrument (code name)	Source
Mother's Anti-social behaviour	Mother	Mental Health & Anti-social Behaviour (B10f)	GRIP-G
Father's Anti-social behaviour	Father	Mental Health & Anti-social Behaviour (B12f)	GRIP-G
Physical aggression	Adolescent	Adolescent behaviour (J04f)	GRIP-C
Indirect aggression	Adolescent	Adolescent behaviour (J04f)	GRIP-H
Fighting	Adolescent	Adolescent behaviour (J04f)	GRIP-I
Stealing	Adolescent	Adolescent behaviour (J04f)	GRIP-I
Vandalism	Adolescent	Adolescent behaviour (J04f)	GRIP-I
Friends & problems	Adolescent	Ado School Experience & Friends (P06f)	ÉCOBES-A
Acceptance of societal phenomena (illegal activities)	Adolescent	Ado School Experience & Friends (P06f)	ÉCOBES-B

E. Lifestyle

Domains/Scales	Respondent	Instrument (code name)	Source
Physical activity (sports)	Adolescent	Healthy Lifestyle (J02f)	Sante Quebec
Nutrition (Food frequency)	Adolescent	Healthy Lifestyle (J02f)	Sante Quebec
Sleep	Adolescent	Healthy Lifestyle (J02f)	J Carrier
Sexuality	Adolescent	Adolescent behaviour (J04f)	GRIP-J
School experience	Adolescent	Ado School Experience & Friends (P06f)	ÉCOBES-C
Extracurricular activities	Adolescent	Ado School Experience & Friends (P06f)	ÉCOBES-D
Drop-out attitudes	Adolescent	Ado School Experience & Friends (P06f)	ÉCOBES-E
Teachers	Adolescent	Ado School Experience & Friends (P06f)	ÉCOBES-F
School performance	Adolescent	Ado School Experience & Friends (P06f)	ÉCOBES-G
Working while studying	Adolescent	Ado School Experience & Friends (P06f)	Statistics Canada
Academic & vocational aspirations	Adolescent	Ado School Experience & Friends (P06f)	ÉCOBES-H

F. Self-attributes & Personality

Domains/Scales	Respondent	Instrument (code name)	Source
Industry (Rosenthal)	Adolescent	Positive Youth Development (B08f)	4-H PYD-A
Identity (Rosenthal)	Adolescent	Positive Youth Development (B08f)	4-H PYD-A
Intimacy (Rosenthal)	Adolescent	Positive Youth Development (B08f)	4-H PYD-A
Elective Selection (SOC)	Adolescent	Positive Youth Development (B08f)	4-H PYD-B
Optimization (SOC)	Adolescent	Positive Youth Development (B08f)	4-H PYD-B
Compensation (SOC)	Adolescent	Positive Youth Development (B08f)	4-H PYD-B
Depression (CES-D)	Adolescent	Positive Youth Development (B08f)	4-H PYD-C
Academic Competence (Harter)	Adolescent	Positive Youth Development (B08f)	4-H PYD-D
Social Competence (Harter)	Adolescent	Positive Youth Development (B08f)	4-H PYD-D
Physical Competence (Harter)	Adolescent	Positive Youth Development (B08f)	4-H PYD-D
Physical Appearance (Harter)	Adolescent	Positive Youth Development (B08f)	4-H PYD-D
Conduct Behavior (Harter)	Adolescent	Positive Youth Development (B08f)	4-H PYD-D
Self-Worth (Harter)	Adolescent	Positive Youth Development (B08f)	4-H PYD-D
Connection to Community	Adolescent	Positive Youth Development (B08f)	4-H PYD-E
Connection to Family	Adolescent	Positive Youth Development (B08f)	4-H PYD-E
Connection to Peers	Adolescent	Positive Youth Development (B08f)	4-H PYD-F
Connection to School	Adolescent	Positive Youth Development (B08f)	4-H PYD-E
Maternal Warmth	Adolescent	Positive Youth Development (B08f)	4-H PYD-G
Paternal Warmth	Adolescent	Positive Youth Development (B08f)	4-H PYD-G
School Engagement	Adolescent	Positive Youth Development (B08f)	4-H PYD-H
Risk Avoidance	Adolescent	Positive Youth Development (B08f)	4-H PYD-E
Interpersonal Skills	Adolescent	Positive Youth Development (B08f)	4-H PYD-E
Adult Mentors	Adolescent	Positive Youth Development (B08f)	4-H PYD-E
Parental Monitoring	Adolescent	Positive Youth Development (B08f)	4-H PYD-I
Personal Values	Adolescent	Positive Youth Development (B08f)	4-H PYD-J
Positive Identity	Adolescent	Positive Youth Development (B08f)	4-H PYD-K
Social Conscience	Adolescent	Positive Youth Development (B08f)	4-H PYD-E
Social Responsibility	Adolescent	Positive Youth Development (B08f)	4-H PYD-L
Values Diversity	Adolescent	Positive Youth Development (B08f)	4-H PYD-E

Sympathy	Adolescent	Positive Youth Development (B08f)	4-H PYD-M
Puberty Development Scale	Adolescent	Positive Youth Development (B08f)	4-H PYD-N
Confidence (Revised Mean Scale)	Adolescent	Positive Youth Development (B08f)	4-H PYD-J
Competence (Revised Mean Scale)	Adolescent	Positive Youth Development (B08f)	4-H PYD-J
Character (Revised Mean Scale)	Adolescent	Positive Youth Development (B08f)	4-H PYD-J
Caring (Standardized Mean of Eisenberg Scale)	Adolescent	Positive Youth Development (B08f)	4-H PYD-J
Connection (5Cs - Revised Mean Scale)	Adolescent	Positive Youth Development (B08f)	4-H PYD-J
Positive Youth Development (Mean of 5Cs)	Adolescent	Positive Youth Development (B08f)	4-H PYD-J
Pro-social behaviour	Adolescent	Adolescent behaviour (J04f)	GRIP-C
Neuroticism	Adolescent	Personality (P04f)	NEO PI-R
Extroversion	Adolescent	Personality (P04f)	NEO PI-R
Openness	Adolescent	Personality (P04f)	NEO PI-R
Agreeableness	Adolescent	Personality (P04f)	NEO PI-R
Conscientiousness	Adolescent	Personality (P04f)	NEO PI-R
Body esteem	Adolescent	Healthy Lifestyle (J02f)	Mendelson
Body image	Adolescent	Healthy Lifestyle (J02f)	Sante Quebec
Peer influence	Adolescent	Ado School Experience & Friends (P06f)	RPI

Source:

SYS: Saguenay Youth Study: Developed by the project team; **MNI:** Neuropsychology Unit, Montreal Neurological Institute & Hospital, McGill University, Montreal, Quebec, Canada; **GRIP,** Groupe de recherche sur l'inadaptation psychosociale chez l'enfant, University of Montreal, Montreal, Quebec, Canada; **DPS:** DISC Predictive Scales (Lucas et al. 2001; adapted by JJ Breton, Riviere-des-Prairies Hospital, Montreal, Quebec, Canada); **Goodman D,** Simon Fraser University, Vancouver, BC, Canada; **ECOBES,** Le Groupe d'Étude des Conditions de vie et des BESOins de la population, Cegep Jonquiere, Quebec, Canada; **Carrier J,** University of Montreal, Montreal, Quebec, Canada; **4-H PYD:** 4-H Study of Positive Youth Development (Richard Lerner and colleagues, Tufts University, MA, U.S.A.); **RPI:** Resistance to Peer Influence Scale (Steinberg 2002); **Sante Quebec:** Questionnaire aux adolescentes et adolescents; **Statistics Canada:** Youth In Transition Survey, 2000;

GRIP-A: Based on Radloff 1977; **GRIP-B:** Based on Séguin et al. 2000; **GRIP-C:** Based on Behar & Stringfield (1974), Weir & Duveen (1981), Rutter (1967), Offord (1987), Ontario Child Health Study and the Child Behavior Checklist (CBCL); **GRIP-D:** Based on Enquête nationale sur la santé de la population; **GRIP-E:** Based on Loiselle 2000; **GRIP-F:** Based on Selzer 1971; **GRIP-G:** Based on

Robins et al. 1981 and Zoccolillo et al. 1999; **GRIP-H**: Based on Vaillancourt et al. 2003; **GRIP-I**: Based on LeBlanc M 1988; **GRIP-J**: Based on Malo & Tremblay 1995;

ÉCOBES-A: Based on Le Blanc 1996; **ÉCOBES-B**: Based on Galland 1994; **ÉCOBES-C**: Based on Ntamakiliro et al. 2000; **ÉCOBES-D**: Based on Janosz 2002; **ÉCOBES-E**: Based on Janosz et al. 1999; **ÉCOBES-F**: Based on Larose & Boivin 1998; **ÉCOBES-G**: Based on Rosenberg et al. 1995, Ntamakiliro et al. 2000; **ÉCOBES-H**: Based on Bélanger et al. 1972;

4-H PYD-A: Based on Erikson Psychological Stage Inventory (Rosenthal et al 1981); **4-H PYD-B**: Based on Selection, Optimization and Compensation Questionnaire (Freund & Bates 2002); **4-H PYD-C**: Based on Radloff 1977; **4-H PYD-D**: Based on The Self-Perception Profile for Children (Harter 1983); **4-H PYD-E**: Based on Theokas et al. 2005; **4-H PYD-F**: Based on Peer Support Scale of Teen Assessment Project Survey Question Bank; Small & Rodgers 1995; **4-H PYD-G**: Based on the Child's report of Parenting Behaviors Inventory; Schludermann & Schludermann 1970; **4-H PYD-H**: Based on School Engagement Scale of Profiles of Student Life: Attitudes and Behaviours; Benson 1998, Leffert 1998, Scales 2000; **4-H PYD-I**: Based on Parental Monitoring Scale (Small & Kerns 1993); **4-H PYD-J**: Based on Lerner et al. 2005; **4-H PYD-K**: Based on Target Based Beliefs Scale (Buchanan & Holmbeck 1998); **4-H PYD-L**: Based on Social Responsibility Scale of Teen Assessment Project Survey Question Bank (Small & Rodgers 1995); **4-H PYD-M**: Based on Sympathy Scale (Eisenberg et al. 1996); **4-H PYD-N**: Based on Puberty Development Scale (Petersen et al 1988).