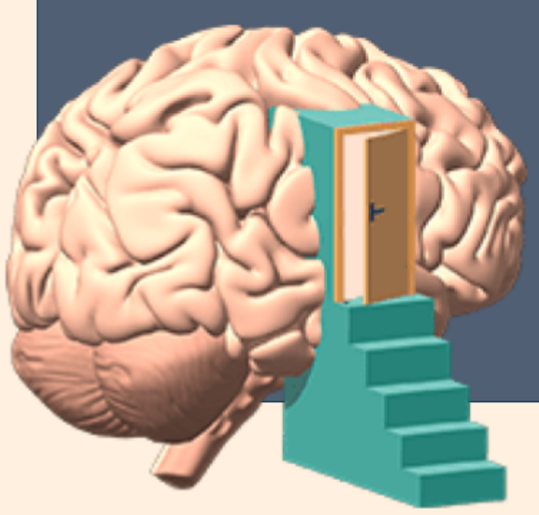
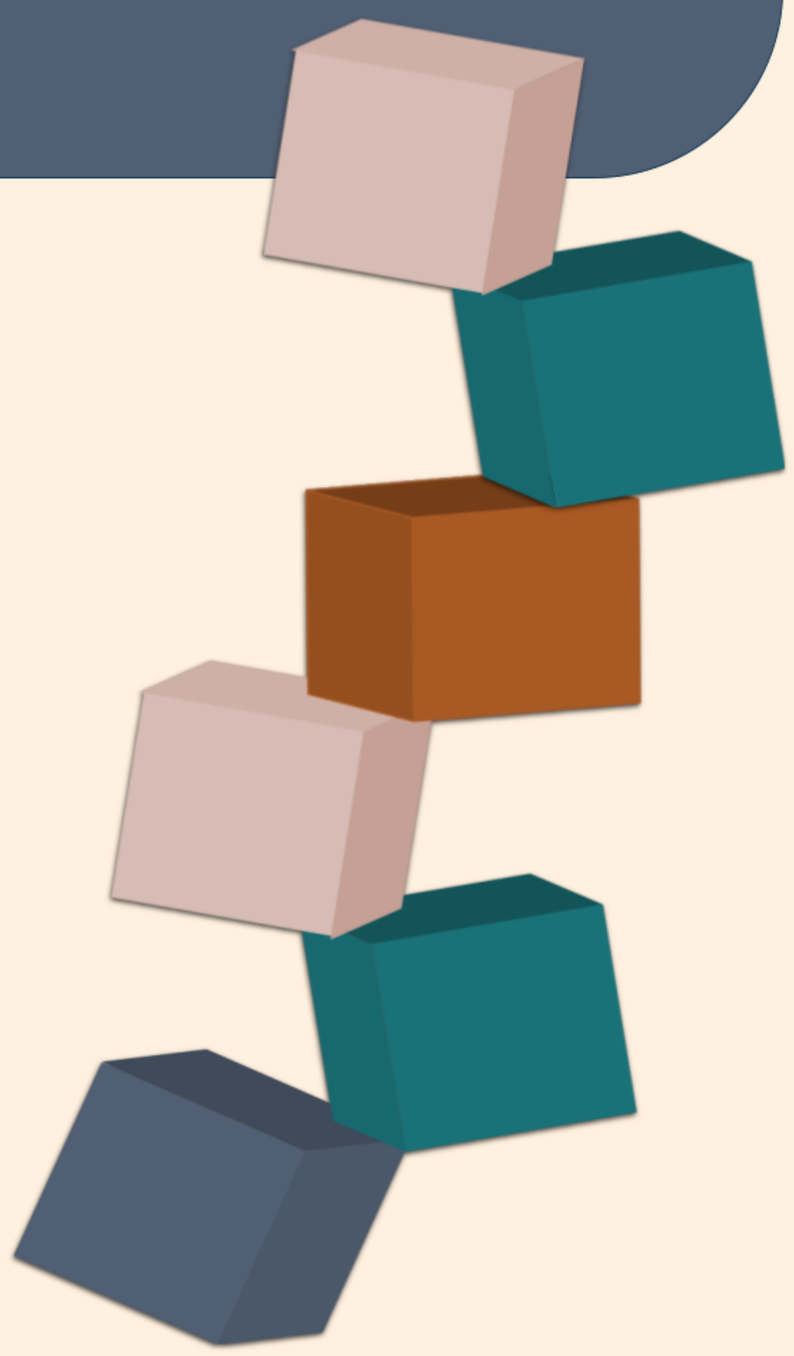
Consortium on Individual Development

samen uniek
TWEELINGONDERZOEK

Leiden Consortium on Individual Development (L-CID)

Codebook





Anthropometrics - Headcircumference, height, weight

General Information

Description:

The anthropometrics include the circumference of child's head,child's height,and the child's weight.

Reference:

Measure type: anthropometrics

Measure category: additional measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓

Scoring

Child's head circumference and height are reported in centimeters, whereas the child's weight is reported in kilograms.

Example items

Child:

Anthropometrics: Child's weight in kg.

Anthropometrics: Child's height in cm.

Anthropometrics: Child's head circumference in cm.

Data availability

Number of files available: 11 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), in 2023.

For which waves and respondents is data available?

	child
	available (N)
ecc w02	yes (N = 428)
ecc w03	yes (N = 400)
ecc w04	yes (N = 396)
ecc w05	yes (N = 351)
ecc w06	yes (N = 361)
mcc w01	yes (N = 512)
mcc w02	yes (N = 492)
mcc w03	yes (N = 456)
mcc w04	yes (N = 402)
mcc w05	yes (N = 335)
mcc w06	yes (N = 180)

Which variables are available for requesting?

Child:

Anthropometrics: Child's weight in kg.

Anthropometrics: Child's height in cm.

Anthropometrics: Child's head circumference in cm.

Altruistic Punishment/Compensation Game

General Information

Description:

The Altruistic Punishment/Compensation Game (APCG) measures prosocial and altruistic behavior by giving the child the option to altruistically compensate/punish someone who was excluded/who excluded an other player during the Prosocial Cyberball Game.

Reference:

Measure type: behavioral measures

Measure category: social competence

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child												✓		✓

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Alabama Parenting Questionnaire (APQ)

General Information

Description:

The Alabama Parenting Questionnaire (APQ) consists of 42 items that measure five dimensions of parenting that are relevant to the etiology and treatment of child externalizing problems: (1) positive involvement with children,(2) supervision and monitoring,(3) use of positive discipline techniques,(4) consistency in the use of such discipline and (5) use of corporal punishment. Within L-CID, a short form of the questionnaire is used with subscales Positive Parenting, Inconsistent Discipline and Poor Supervision. The parent report consists of 19 items,whereas the child report consists of 20 items.

Reference: Frick, P. J. (1991). The Alabama parenting questionnaire: Unpublished rating scale. New Orleans: University of New Orleans: Department of Psychology.

Measure type: questionnaires

Measure category: parenting

Respondent(s): primary parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent														✓
child														✓

Scoring

Items are scored on a 5-point scale from 1 ("never") to 5 ("always"). The subscale scores can be calculated by summing the items and dividing the score by the number of items that were filled in, taking into account the items that should be reverse coded.

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Adolescent Social Connections and Coping during COVID-19 Questionnaire - Social Connections and Prosocial Behavior (AS3CQ)

General Information

Description:

The Adolescent Social Connections and Coping during COVID-19 Questionnaire consists of 14 items that assess the children's social connections and prosocial behavior during the COVID-19 pandemic.

Reference:

Measure type: questionnaires

Measure category: additional measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child												✓		

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Adult Temperament Questionnaire (ATQ)

General Information

Description:

The Adult Temperament Questionnaire (ATQ) consists of 77 items and 4 subscales that assess temperament. Within L-CID,35 items from the Effortful control factor scale (consisting of Attentional control,Activation control and Inhibitory control subscales) and the Orienting Sensitivity factor scale (consisting of Neutral Perceptual Sensitivity,Affective Perceptual Sensitivity,and Associative Sensitivity subscales) are used. When the parent indicated having a partner,the questions were asked about the partner as well.

Reference:

Measure type: questionnaires

Measure category: family background measures

Respondent(s): primary parent, other parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent		✓	✓	✓					✓	✓				
other parent		✓	✓	✓					✓	✓				

Scoring

Items are scored on a 7-point scale from 1 ("extremely untrue") to 7 ("extremely true"). Both the factor scores and the subscale scores can be calculated by summing the corresponding items and dividing the score by the number of items that were filled in, ignoring items with a 'does not apply' response and taking into account the items that should be reverse coded, i.e., items 1,2,3,4,13,14,17,21,23,26,28,29,31, and 32.

Example items

Primary Parent | Other Parent:

Early Adolescent Temperament Questionnaire - Effortful Control, Inhibitory Control Q6: My child is usually able to stick with their plans and goals.

Early Adolescent Temperament Questionnaire - Effortful Control, Inhibitory Control Q4: My child has a hard time waiting their turn to speak when excited.

RR - Early Adolescent Temperament Questionnaire - Effortful Control, Inhibitory Control Q5: Reverse coded, 1-5 to 5-1.

Early Adolescent Temperament Questionnaire - Effortful Control, Attentional Control Q1: My child finds it easy to really concentrate on a problem.

RR - Early Adolescent Temperament Questionnaire - Effortful Control, Inhibitory Control Q4: Reverse coded, 1-5 to 5-1.

Child:

RR - Early Adolescent Temperament Questionnaire - Effortful Control, Inhibitory Control Q16: Reverse coded, 1-5 to 5-1.

Early Adolescent Temperament Questionnaire - Effortful Control, Attentional Control Q7: When interrupted or distracted, I forget what I was about to say.

Early Adolescent Temperament Questionnaire - Effortful Control, Inhibitory Control Q11: Itâ s easy for me to keep a secret.

Early Adolescent Temperament Questionnaire - Effortful Control, Inhibitory Control Q15: I tend to say the first thing that comes to my mind, without stopping to think about it.

Early Adolescent Temperament Questionnaire - Effortful Control, Attentional Control Q2: I find it hard to shift gears when I go from one class to another at school.

Data availability

Number of files available: 20 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

Other Parent:

Early Adolescent Temperament Questionnaire- Effortful Control, Attentional Focusing: Total mean score.

Early Adolescent Temperament Questionnaire - Effortful Control, Inhibitory Control: Total mean score.

Early Adolescent Temperament Questionnaire - Effortful Control: Total mean score.

Primary Parent:

Child:

Early Adolescent Temperament Questionnaire - Effortful Control, Attentional Focusing: Total mean score.

Early Adolescent Temperament Questionnaire - Effortful Control, Inhibitory Control: Total mean score.

Early Adolescent Temperament Questionnaire - Effortful Control: Total mean score.

Beats and Music (BAM) Questionnaire

General Information

Description:

The Beats and Music (BAM) Questionnaire is a self-developed questionnaire that consists of 18 items for the parents, and 7 items for the children. It measures the self- and parent-reported experience and skills with music and dance.

Reference:

Measure type: questionnaires

Measure category: differential susceptibility markers

Respondent(s): primary parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent						✓						✓		✓
child												✓		✓

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 5 .json and .tsv files.

Available: yes, in 2027.

For which waves and respondents is data available?

	primary parent	child
	available (N)	available (N)
ecc w06	yes (N = 330)	no
mcc w05	yes (N = 328)	yes (N = 296)
mcc w06	yes (N = 296)	yes (N = 279)

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

The Brief Fear of Negative Evaluation Scale (BFNE)

General Information

Description:

The Brief Fear of Negative Evaluation Scale (BFNE)- Short Form consists of 12 items that assess the child's worries about the opinion of others.

Reference: Watson, A., & Friend, E. (1969). Fear of negative evaluation. Empirical Validation and psychometric evaluation of the brief FNE scale in patients with Social anxiety disorder. NY: NY. Psychiatric Institute.

Measure type: questionnaires

Measure category: additional measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child														✓

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.



Behavioral Inhibition and Activation Scale (BIS/BAS)

General Information

Description:

The Behavioral Inhibition and Activation System (BIS/BAS) scale consists of 24 items that assess motivational systems through 3 BAS-related subscales (BAS Drive,BAS Fun seeking,BAS Reward Responsiveness) and one BIS-related subscale. The items 1,6,11 en 17 are not used in the subscales,but are filler questions. Within L-CID,all 24 items are used.

Reference:

Measure type: questionnaires

Measure category: behavioral control

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child										✓	✓	✓		✓

Scoring

Items are scored on a 4-point scale from 1 ("very true for me") to 4 ("very false for me"). It is not encouraged to combine the BAS subscales, however total scores for the individual subscales can be calculated by summing the items of the corresponding subscale, taking into account the items that should be reverse coded (all items except for 2 and 22), and ignoring the filler items (1,6,11,17). The higher the score, the stronger the effect of the behavioral inhibition/activation system.

Example items

Child:

RR - Behavioral Inhibition and Activation System - BAS, Fun Seeking Q5: Reverse coded, 1 = 4, to 4 = 1.

RR - Behavioral Inhibition and Activation System - BIS Q8: Reverse coded, 1 = 4, to 4 = 1.

RR - Behavioral Inhibition and Activation System - BAS, Fun Seeking Q7: Reverse coded, 1 = 4, to 4 = 1.

RR - Behavioral Inhibition and Activation System - BAS, Drive Q3: Reverse coded, 1 = 4, to 4 = 1.

RR - Behavioral Inhibition and Activation System - BAS, Fun Seeking Q10: Reverse coded, 1 = 4, to 4 = 1.

Data availability

Number of files available: 4 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
mcc w03	yes (N = 435)
mcc w04	yes (N = 398)
mcc w05	yes (N = 295)
mcc w06	yes (N = 280)

Which variables are available for requesting?

Child:

Behavioral Inhibition and Activation System - BAS, Reward Responsiveness: Total score.

Behavioral Inhibition and Activation System - BAS, Fun Seeking: Total score.

Behavioral Inhibition and Activation System - BAS, Drive: Total score.

Behavioral Inhibition and Activation System - BIS: Total score.

Brief Symptom Inventory (BSI)

General Information

Description:

The Brief Symptom Inventory (BSI) consists of 53 items and 9 subscales that assess a large range of symptoms. Within L-CID,21 items are used to measure Interpersonal sensitivity,Depression,Anxiety,and Hostility.

Reference:

Measure type: questionnaires

Measure category: family background measures

Respondent(s): primary parent, other parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓
other parent	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		
child														✓

Scoring

Items are scored on a 5-point scale from 0 ('not at all') to 4 ('extremely'). Subscale scores are calculated by summing the values for the items included in that subscale and dividing by the number of items answered in that subscale. For symptom subscales, scores should not be calculated if more than one item is missing.

Example items

Primary Parent | Other Parent:

Brief Symptom Inventory - Anxiety Q14: Feeling tense.

Brief Symptom Inventory - Depression Q3: Feeling suicidal.

Brief Symptom Inventory - Interpersonal Sensitivity Q12: Feeling inferior to others.

Brief Symptom Inventory - Depression Q6: Feeling lonely.

Brief Symptom Inventory - Depression Q8: Having no interest in anything anymore.

Child:

Brief Symptom Inventory - Hostility Q2: Easily becoming bored or feeling irritable.

Brief Symptom Inventory - Hostility Q15: An urge to hit, injure or cause pain to others.

Brief Symptom Inventory - Depression Q3: Feeling suicidal.

Brief Symptom Inventory - Anxiety Q20: Feeling so restless that you cannot sit still.

Brief Symptom Inventory - Anxiety Q14: Feeling tense.

Data availability

Number of files available: 28 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), in 2023.

For which waves and respondents is data available?

	primary parent	other parent	child
	available (N)	available (N)	available (N)
ecc w01	yes (N = 444)	yes (N = 388)	no
ecc w02	yes (N = 396)	yes (N = 338)	no
ecc w03	yes (N = 346)	yes (N = 308)	no
ecc w04	yes (N = 352)	yes (N = 290)	no
ecc w05	yes (N = 340)	yes (N = 286)	no
ecc w06	yes (N = 346)	yes (N = 260)	no
ecc w06c	yes (N = 186)	yes (N = 32)	no
mcc w01	yes (N = 458)	yes (N = 412)	no
mcc w02	yes (N = 480)	yes (N = 406)	no
mcc w03	yes (N = 444)	yes (N = 372)	no
mcc w04	yes (N = 388)	yes (N = 334)	no
mcc w05	yes (N = 328)	yes (N = 294)	no
mcc w05c	yes (N = 212)	yes (N = 94)	no
mcc w06	yes (N = 298)	no	yes (N = 279)

Which variables are available for requesting?

Other Parent:

Brief Symptom Inventory - Anxiety: Total mean score.

Brief Symptom Inventory - Hostility: Total mean score.

Brief Symptom Inventory - Depression: Total mean score.

Brief Symptom Inventory - Interpersonal sensitivity: Total mean score.

Primary Parent:

Brief Symptom Inventory - Anxiety: Total mean score.

Brief Symptom Inventory - Hostility: Total mean score.

Brief Symptom Inventory - Depression: Total mean score.

Brief Symptom Inventory - Interpersonal sensitivity: Total mean score.

Child:

Brief Symptom Inventory - Anxiety: Total mean score.

Brief Symptom Inventory - Hostility: Total mean score.

Brief Symptom Inventory - Depression: Total mean score.

Brief Symptom Inventory - Interpersonal sensitivity: Total mean score.

Children's Behavior Questionnaire - Discomfort, Fear, Perceptual sensitivity (CBQ-DFP)

General Information

Description:

The Children's Behavior Questionnaire (CBQ) consists of 195 items and 18 subscales that assess the temperament of children. Within L-CID,12 items from the Discomfort subscale (how quickly is the child uncomfortable),12 from the Fear subscale (how fearful is the child),and 12 from the Perceptual Sensitivity (how sensitive to external stimuli is the child) subscale are used.

Reference:

Measure type: questionnaires

Measure category: differential susceptibility markers

Respondent(s): primary parent, other parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent		✓												
other parent		✓												

Scoring

Items are scored on a 7-point scale from 1 ("extremely untrue") to 7 ("extremely true"). The subscale scores can be calculated by summing the items and dividing the score by the number of items that were filled in, ignoring items with a 'does not apply' response and taking into account the items that should be reverse coded. For the subscale Discomfort, items 1, 6, and 12 are reverse coded. For the Fear subscale items 1, 4, 5, 9, 10 , 11, and for the Perceptual Sensitivity subscale items 2, 6, 9, 10 , 12.

Example items

Primary Parent | Other Parent:

Children's Behavior Questionnaire - Fear Q1: My child is not afraid of large dogs and/or other animals.

Children's Behavior Questionnaire - Perceptual sensitivity Q8: My child usually comments if someone has an unusual voice

RR - Children's Behavior Questionnaire - Fear Q10: Reverse coded, 1-7 to 7-1.

Children's Behavior Questionnaire - Fear Q10: My child is not afraid of heights.

Children's Behavior Questionnaire - Discomfort Q7: My child is bothered by bathwater that is too hot or too cold.

Data availability

Number of files available: 2 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent	other parent
	available (N)	available (N)
ecc w02	yes (N = 396)	yes (N = 339)

Which variables are available for requesting?

Other Parent:

Children's Behavior Questionnaire - Discomfort: Total mean score.

Children's Behavior Questionnaire - Fear: Total mean score.

Children's Behavior Questionnaire - Perceptual sensitivity: Total mean score.

Children's Behavior Questionnaire - DFP: Total mean score.

Primary Parent:

Children's Behavior Questionnaire - Discomfort: Total mean score.

Children's Behavior Questionnaire - Fear: Total mean score.

Children's Behavior Questionnaire - Perceptual sensitivity: Total mean score.

Children's Behavior Questionnaire - DFP: Total mean score.

Children's Behavior Questionnaire - Effortful control (CBQ-EC)

General Information

Description:

The Children's Behavior Questionnaire (CBQ) consists of 195 items and 18 different subscales that assess the temperament of children. Within L-CID,12 items from the Effortful Control subscale are used,taken from the Attentional Focusing and Inhibitory Control components of the subscale. Additionally,within L-CID,items from the Effortful Control subscale are alternated with Wildman questions.

Reference:

Measure type: questionnaires

Measure category: behavioral control

Respondent(s): primary parent, other parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓	✓	✓	✓										
other parent	✓	✓	✓	✓										

Scoring

Items are scored on a 7-point scale from 1 ("extremely untrue") to 7 ("extremely true"). The subscale scores can be calculated by summing the items and dividing the score by the number of items that were filled in, ignoring items with a 'does not apply' response and taking into account the items that should be reverse coded. Items 1,2,3, and 11 should be reverse coded.

Example items

Primary Parent | Other Parent:

Children's Behavior Questionnaire - Effortful Control, Attentional Focusing Q6: When drawing or coloring in a book, my child shows strong concentration.

Children's Behavior Questionnaire - Effortful Control, Inhibitory Control Q4: My child prepares for trips and outings by planning things they will need.

Children's Behavior Questionnaire - Effortful Control, Attentional Focusing Q8: When building or putting something together, my child becomes very involved in what they are doing, and works for long periods.

RR - Children's Behavior Questionnaire - Effortful Control, Attentional Focusing Q2: Reverse coded, 1-7 to 7-1.

Children's Behavior Questionnaire - Effortful Control, Inhibitory Control Q9: My child approaches places they have been told are dangerous slowly and cautiously.

Data availability

Number of files available: 8 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent available (N)	other parent available (N)
ecc w01	yes (N = 442)	yes (N = 394)
ecc w02	yes (N = 396)	yes (N = 339)
ecc w03	yes (N = 352)	yes (N = 311)
ecc w04	yes (N = 359)	yes (N = 292)

Which variables are available for requesting?

Other Parent:

Children's Behavior Questionnaire - Effortful Control, Inhibitory Control: Total mean score.

Children's Behavior Questionnaire - Effortful Control, Attentional Focusing: Total mean score.

Children's Behavior Questionnaire - Effortful Control: Total mean score.

Primary Parent:

Children's Behavior Questionnaire - Effortful Control, Inhibitory Control: Total mean score.

Children's Behavior Questionnaire - Effortful Control, Attentional Focusing: Total mean score.

Children's Behavior Questionnaire - Effortful Control: Total mean score.

Competentie Belevingsschaal voor Adolescenten (CBSA)

General Information

Description:

The Competentiebelevingsschaal voor Adolescenten (CBSA) is the Dutch/Flemish version of the Self-Perception Profile for Adolescents (SPPA; Harter,1988),and consists of 15 items in which the child judges their own social competence in terms of the three subscales: Social Acceptance,Tight Friendships,and Feelings of Self-worth.

Reference: Treffers, P. D., Goedhart, A. W., Veerman, J. W., Van den Bergh, B. R. H., Ackaert, L., & De Rycke, L. (2002). Competentiebelevingsschaal voor adolescenten (CBSA). Handleiding.(Manual of the self-perception profile for adolescents). Lisse: Zwets & Zeitlinger BV.// Harter, S. (1988). Manual for the Self-Perception Profile or Adolescents. Denver, CO:University of Denver.

Measure type: questionnaires

Measure category: additional measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child														✓

Scoring

For each item, the respondent chooses between two statements (score = 1 or 2) and indicates whether the chosen statement is "a little true for me" (1) or "completely true for me" (2).

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Cognitive Emotion Regulation Questionnaire - Short Form (CERQ-short)

General Information

Description:

The Cognitive Emotion Regulation Questionnaire - Short Form (CERQ-Short) consists of a selection of 18 items from the 36 items in the full CERQ that assess self-regulation. The CERQ consists of 9 subscales: Self-blame,Acceptance,Rumination,Positive refocusing,Planning,Positive reappraisal,Putting into perspective,Catastrophizing,Other-blame. Within L-CID,all 18 items (2 items per subscale) of the short form are used.

Reference:

Measure type: questionnaires

Measure category: behavioral control

Respondent(s): primary parent, other parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent						✓						✓		
other parent						✓						✓		
child												✓		

Scoring

Items are scored on a 5-point scale from 1 ("(almost) never") to 5 ("(almost) always"). Individual subscale scores are obtained by summing up the scores belonging to the particular subscale (ranging from 4 to 20 [in lcid, 2 to 10]). The higher the subscale score, the more a specific cognitive strategy is used. Additionally, a positive coping strategies score can be created by calculating a total mean score (i.e., summing the items and dividing the score by the number of items that were filled in) of the subscales Positive reappraisal, Positive refocusing and Putting into perspective. A negative coping strategy score can be created by doing the same for the subscales Self-blame, Rumination, and Catastrophizing.

Example items

Primary Parent | Other Parent:

Cognitive Emotion Regulation Questionnaire, Q17 - Catastrophize: I continually think how horrible the situation has been

Cognitive Emotion Regulation Questionnaire, Q6 - Ruminate: I am preoccupied with what I think and feel about what I have experienced

Cognitive Emotion Regulation Questionnaire, Q7 - Focus on Other Tasks: I think of pleasant things that have nothing to do with it

Cognitive Emotion Regulation Questionnaire, Q16 - Relativize: I tell myself that there are worse things in life

Cognitive Emotion Regulation Questionnaire, Q11 - Focus on the Positive: I think of something nice instead of what has happened

Child:

Cognitive Emotion Regulation Questionnaire, Q5 - Acceptance: I think it just happens and there's nothing you can do about it.

Cognitive Emotion Regulation Questionnaire, Q2 - Ruminate: I keep thinking about how I feel about it.

Cognitive Emotion Regulation Questionnaire, Q9 - Catastrophize: I keep thinking how awful it all is.

Cognitive Emotion Regulation Questionnaire, Q13 - Relativize: I think it's actually not too bad when I compare it to other things.

Cognitive Emotion Regulation Questionnaire, Q4 - Blaming Yourself: I think I've been stupid.

Data availability

Number of files available: 5 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent	other parent	child
	available (N)	available (N)	available (N)
ecc w06c	yes (N = 186)	yes (N = 32)	no
mcc w05c	yes (N = 212)	yes (N = 94)	yes (N = 148)

Which variables are available for requesting?

Primary Parent:

Cognitive Emotion Regulation Questionnaire - Acceptance: Total score.

Cognitive Emotion Regulation Questionnaire - Ruminate: Total score.

Cognitive Emotion Regulation Questionnaire - Positive Reinterpretation: Total score.

Cognitive Emotion Regulation Questionnaire - Blaming Yourself: Total score.

Cognitive Emotion Regulation Questionnaire - Focus on Other Tasks: Total score.

Cognitive Emotion Regulation Questionnaire - Catastrophize: Total score.

Cognitive Emotion Regulation Questionnaire - Blaming Others: Total score.

Cognitive Emotion Regulation Questionnaire - Focus on Planning: Total score.

Cognitive Emotion Regulation Questionnaire - Relativize: Total score.

Other Parent:

Cognitive Emotion Regulation Questionnaire - Acceptance: Total score.

Cognitive Emotion Regulation Questionnaire - Ruminate: Total score.

Cognitive Emotion Regulation Questionnaire - Positive Reinterpretation: Total score.

Cognitive Emotion Regulation Questionnaire - Blaming Yourself: Total score.

Cognitive Emotion Regulation Questionnaire - Focus on Other Tasks: Total score.

Cognitive Emotion Regulation Questionnaire - Catastrophize: Total score.

Cognitive Emotion Regulation Questionnaire - Blaming Others: Total score.

Cognitive Emotion Regulation Questionnaire - Focus on Planning: Total score.

Cognitive Emotion Regulation Questionnaire - Relativize: Total score.

Child:

Cognitive Emotion Regulation Questionnaire - Acceptance: Total score.

Cognitive Emotion Regulation Questionnaire - Ruminate: Total score.

Cognitive Emotion Regulation Questionnaire - Positive Reinterpretation: Total score.

Cognitive Emotion Regulation Questionnaire - Blaming Yourself: Total score.

Cognitive Emotion Regulation Questionnaire - Focus on Other Tasks: Total score.

Cognitive Emotion Regulation Questionnaire - Catastrophize: Total score.

Cognitive Emotion Regulation Questionnaire - Blaming Others: Total score.

Cognitive Emotion Regulation Questionnaire - Focus on Planning: Total score.

Cognitive Emotion Regulation Questionnaire - Relativize: Total score.

Purdue Home Stimulation Inventory - Observation, Interview

General Information

Description:

The Purdue Home Stimulation Inventory is aimed to assess household chaos by means of observation of the participants' home and an interview about chaos within the house. This included establishing the number of persons living in the house,and the number of rooms in the house in which family members spend time and that can be closed by a door (excluding for example storage spaces and open kitchens). In addition,we calculated a people to square meters ratio.

Reference: Wachs, T. D. (1989). The Nature of the Physical Microenvironment - an Expanded Classification-System. Merrill-Palmer Quarterly-Journal of Developmental Psychology, 35:4, 399-419.

Measure type: observational measures

Measure category: environmental factors

Respondent(s): ra

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
ra	✓			✓		✓			✓		✓			✓

Scoring

The house environment is generally coded from 0 to 2, with some items being coded from 1 to 10, for which a higher score indicates more chaos.

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 2 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	researcher
	available (N)
ecc w01	yes (N = 474)
mcc w02	yes (N = 494)

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Confusion, Hubbub and Order Scale (CHAOS)

General Information

Description:

The Confusion,Hubbub and Order Scale (CHAOS) consists of 15 items that assess chaos within the house (e.g.,the house is a mess,noise levels,busy lives,etc.). Within L-CID,all items are used.

Reference:

Measure type: questionnaires

Measure category: environmental factors

Respondent(s): primary parent, other parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓
other parent						✓						✓		

Scoring

Items are score on a five-point scale from 1 ("not applicable at all") to 5 ("very applicable"). A total score can be created by calculating the sum of all items, taking into account the items that should be reverse coded, i.e., item 3, 5, 6, 8, 9, 10, 11, 13. A higher score represents more chaotic, disorganized, and hurried characteristics of the home.

Example items

Primary Parent | Other Parent:

Confusion, Hubbub and Order Scale, Q3: We almost always seem to be rushed.

Confusion, Hubbub and Order Scale, Q7: At home we can talk to each other without being interrupted.

Confusion, Hubbub and Order Scale, Q10: You canâ t hear yourself think in our home.

Confusion, Hubbub and Order Scale, Q3: Reverse coded, 1 = 5, 2 = 4, 3 = 3, 4 = 2, 5 = 1.

Confusion, Hubbub and Order Scale, Q11: I often get drawn into other peopleâ s arguments at home.

Data availability

Number of files available: 18 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent available (N)	other parent available (N)
ecc w01	yes (N = 444)	no
ecc w02	yes (N = 394)	no
ecc w03	yes (N = 348)	no
ecc w04	yes (N = 356)	no
ecc w05	yes (N = 354)	no
ecc w06	yes (N = 354)	no
ecc w06c	yes (N = 182)	yes (N = 32)
mcc w01	yes (N = 460)	no
mcc w02	yes (N = 482)	no
mcc w03	yes (N = 444)	no
mcc w04	yes (N = 396)	no
mcc w05	yes (N = 322)	no
mcc w05c	yes (N = 208)	yes (N = 94)
mcc w06	yes (N = 294)	no

Which variables are available for requesting?

Primary Parent:

Confusion, Hubbub and Order Scale: Total mean score.

Other Parent:

Confusion, Hubbub and Order Scale: Total mean score.

Cheating - Ball Throwing

General Information

Description:

The Cheating - Ball Throwing task is aimed to measure behavioral control by giving the child an opportunity to cheat while throwing a ball. During the game,children had to stay behind a line and could throw each ball only once. After the instructions,children practiced the game with the research assistant. After the practice session,the research assistant moved the line further away from the board until the distance was approximately three meters,making it practically impossible for children to get a ball on the board without cheating.

Reference:

Measure type: behavioral measures

Measure category: behavioral control

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child	✓													

Scoring

Three undergraduate students were trained to code the videotapes on cheating behavior of the child together with a researcher, using a coding scheme based on Zwirs et al. (2015). There were three categories of cheating behavior 1) no cheating, 2) possible intention to cheat, and 3) cheating. Cheating behavior was defined as throwing a ball after reducing the distance to the board, throwing more than three balls, or sticking one or more balls directly on the board. Possible intention to cheat was scored when a child broke one of the rules of the game, but did not enhance his or her chance of winning more prices by doing so.

Example items

Child:

Cheating - Ball Throwing: Cheating category (1 to 6) the child was assigned to.

Cheating - Ball Throwing: Ways of cheating that were observed.

Cheating - Ball Throwing: Missing data remarks.

Cheating - Ball Throwing: Attempt made by the child to get in contact with the Research Assistant (RA) during the task.

Cheating - Ball Throwing: Did the child go to the toilet during the task.

Data availability

Number of files available: 1 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
ecc w01	yes (N = 475)

Which variables are available for requesting?

Child:

Cheating - Ball Throwing: Cheating category (1 to 3) the child was assigned to.

Cheating - Ball Throwing: Ways of cheating that were observed.

Cheating - Dog Task

General Information

Description:

The Cheating - Dog task is aimed to measure behavioral control by giving the child an opportunity to cheat while predicting which dog would receive a bone.

Reference:

Measure type: behavioral measures

Measure category: behavioral control

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child								✓		✓				

Scoring

During the two blocks participants are scored on number of 'yes', 'no', and invalid answers. Additionally, a percentage of 'yes' and 'no' answers, as well as the reaction time to 'yes' and 'no' answers are calculated. The idea behind this task is that if the children lie, they have indicated more than 50% of the trials that they have chosen the right dog.

Example items

Child:

Cheating - Dog Task, Block 2: Percentage of 'yes' answers.

Cheating - Dog Task, Block 1: Number of 'no' answers.

Cheating - Dog Task, Block 1: Number of invalid answers.

Cheating - Dog Task, Block 2: Number of invalid answers.

Cheating - Dog Task, Block 1: Number of 'yes' answers.

Data availability

Number of files available: 2 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
mcc w01	yes (N = 511)
mcc w03	yes (N = 451)

Which variables are available for requesting?

Child:

Cheating - Dog Task: Total mean percentage of 'yes' answers.

Cheating - Dog Task: Did the child cheat? (Did they give 'yes' answers more than 50% of the time?)

Cheating - Word Puzzle

General Information

Description:

The Cheating - Word Puzzle task is aimed to measure behavioral control by giving the child an opportunity to cheat when making a word puzzle.

Reference:

Measure type: behavioral measures

Measure category: behavioral control

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child						✓			✓					

Scoring

Participants are scored on whether they cheated or not and whether the answerbook was moved. Additionally, the total number of words that were filled in , and the number of words that were filled in by cheating are reported.

Example items

Child:

Cheating - Word Puzzle: Which version of the explanation was shown?

Cheating - Word Puzzle: How many words were filled in by cheating?

Cheating - Word Puzzle: Any remarks about the task.

Cheating - Word Puzzle: How many words were filled in?

Cheating - Word Puzzle: Was the answerbook moved?

Data availability

Number of files available: 2 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
ecc w06	yes (N = 98)
mcc w02	yes (N = 494)

Which variables are available for requesting?

Child:

Cheating - Word Puzzle: Did the child cheat?

Cheating - Word Puzzle: How many words were filled in?

Cheating - Word Puzzle: How many words were filled in by cheating?

CITO Score

General Information

Description:

The CITO Score questionnaire is a parent-report that consists of 14 tems and subitems that assess children's education level advice from both teachers and from the test (e.g., CITO, Route 8) taken during the final year of elementary school.

Reference:

Measure type: questionnaires

Measure category: additional measures

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent														✓

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Investment Models Scale (IMS)

General Information

Description:

The Investment Models Scale (IMS) consists of 6 items that assess marital satisfaction. Within L-CID,all of them are used.

Reference:

Measure type: questionnaires

Measure category: family background measures

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓	✓						✓						

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, in 2027.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Parenting Daily Hassles Scale (PDH)

General Information

Description:

The Parenting Daily Hassles Scale (PDH) consists of 20 items that assess the frequency and intensity/impact of hassles experienced by parents taking care of children through 2 subscales: Parenting Task score (10 items) and Challenging behavior (10 items). Within L-CID,all 20 items are used. Within the L-CID COVID wave,17 items are used.

Reference:

Measure type: questionnaires

Measure category: parenting

Respondent(s): primary parent, other parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓
other parent						✓						✓		

Scoring

The Frequency items are scored on a 5-point scale from 1 ("never) to 5 ("constantly"), and the Intensity items are scored from 1 ("no hassle) to 5 ("a big hassle"). The Frequency scale and the Intensity scale scores can be calculated by summing the corresponding items, with higher scores reflecting more frequent and/or intense events.

Example items

Primary Parent | Other Parent:

Parenting Daily Hassles - Frequency Q13: Having to change your plans because of unprecedented child needs.

Parenting Daily Hassles - Intensity Q12: The kids interrupt adult conversations or interactions.

Parenting Daily Hassles - Frequency Q16: The kids are hard to manage in public (grocery store, shopping centre, restaurant).

Parenting Daily Hassles - Frequency Q14: The kids get dirty several times a day requiring changes of clothing.

Parenting Daily Hassles - Intensity Q10: The kids are constantly underfoot, interfering with other chores.

Data availability

Number of files available: 16 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent available (N)	other parent available (N)
ecc w01	yes (N = 446)	no
ecc w02	yes (N = 398)	no
ecc w03	yes (N = 348)	no
ecc w04	yes (N = 390)	no
ecc w05	yes (N = 344)	no
ecc w06	yes (N = 334)	no
ecc w06c	yes (N = 182)	yes (N = 32)
mcc w01	yes (N = 464)	no
mcc w02	yes (N = 486)	no
mcc w03	yes (N = 444)	no
mcc w04	yes (N = 390)	no
mcc w05	yes (N = 328)	no
mcc w05c	yes (N = 208)	yes (N = 94)
mcc w06	yes (N = 300)	no

Which variables are available for requesting?

Primary Parent:

Parenting Daily Hassles - Frequency: Total mean score.

Parenting Daily Hassles - Intensity: Total mean score.

Other Parent:

Parenting Daily Hassles - Frequency: Total mean score.

Parenting Daily Hassles - Intensity: Total mean score.

Delay Discounting - Candy, real time

General Information

Description:

The Delay Discounting - Candy,real time task is a delay gratification task that is aimed to measure impulsivity (behavioral control) by giving the child the option to either receive one piece of candy now or more candy later. Children were first presented with two options,they could either eat one piece of candy immediately or wait until the lab- or home-visit was halfway done and receive two pieces candy. Halfway during the visit, the children who decided to wait for more candy at the start of the visit, were then presented with two options; they could either get two pieces of candy now or wait and receive three pieces of candy at the end of the visit. The researcher reported their choices.

Reference:

Measure type: behavioral measures

Measure category: behavioral control

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child								✓	✓	✓				

Scoring

Participants are scored on how many pieces of candy they chose at what point during the visit.

Example items

Child:

Delay Discounting - Candy, real time: Name of research assistant that is linked to the child.

Delay Discounting - Candy, real time: Child's choice of candy.

Delay Discounting - Candy, real time: Which moment did the child take candy?

Delay Discounting - Candy, real time: Remarks made by the child.

Data availability

Number of files available: 3 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
mcc w01	yes (N = 512)
mcc w02	yes (N = 492)
mcc w03	yes (N = 454)

Which variables are available for requesting?

Child:

Delay Discounting - Candy, real time: Which moment did the child take candy?

Delay Discounting - Marshmallow task

General Information

Description:

The Delay Discounting - Marshmallow task is a delay gratification task that is aimed to measure impulsivity (behavioral control) by giving the child the option to either receive a marshmallow now or more marshmallows later. Children were presented with two options; they could either eat one marshmallow immediately or wait for the research assistant to come back and receive an extra marshmallow so that they would have two marshmallows. The waiting period of 8 min started the moment the research assistant left the room.

Reference:

Measure type: behavioral measures

Measure category: behavioral control

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child		✓	✓											

Scoring

From behind a one-way mirror in the adjacent room, the research assistant observed the child's behavior and live coded whether the child passed or failed the test as well as the delay time. Children failed the test if they tasted from or ate the piece of candy before the 8 min had passed, or if the test had to be aborted before the 8 min had passed, for example because the child showed high levels of distress.

Example items

Child:

Delay Discounting - Marshmallow: When the child waited for 8 minutes, did he or she eat it right away when it was allowed?

Delay Discounting - Marshmallow: Was the task aborted before the 8 min passed?

Delay Discounting - Marshmallow: Description of child's behavior by the coder.

Delay Discounting - Marshmallow: How many candies does the child prefer?

Delay Discounting - Marshmallow: Remarks.

Data availability

Number of files available: 2 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
ecc w02	yes (N = 424)
ecc w03	yes (N = 399)

Which variables are available for requesting?

Child:

Delay Discounting - Marshmallow: Was the task aborted before the 8 min passed?

Delay Discounting - Money

General Information

Description:

The Delay Discounting - Money,hypothetical task is a delay gratification task that is aimed to measure impulsivity (behavioral control) by giving the child the option to either receive a small amount of money now or more money later.

Reference:

Measure type: behavioral measures

Measure category: behavioral control

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child						✓			✓	✓	✓	✓		✓

Scoring

For each participant, indifference points are calculated for day 0, day 2, day 30, day 180, and day 365.

Example items

Child:

Delay Discounting - Money: Indifference point day 0 - prefer to receive this amount of money now than 10 euros in 0 days.

Delay Discounting - Money: Indifference point day 2 - prefer to receive this amount of money now than 10 euros in two days.

Delay Discounting - Money: Indifference point day 30 - prefer to receive this amount of money now than 10 euros in 30 days.

Delay Discounting - Money: Indifference point day 180 - prefer to receive this amount of money now than 10 euros in 180 days.

Delay Discounting - Money: Indifference point day 365 - prefer to receive this amount of money now than 10 euros in 365 days.

Data availability

Number of files available: 6 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
ecc w06	yes (N = 257)
mcc w02	yes (N = 461)
mcc w03	yes (N = 452)
mcc w04	yes (N = 391)
mcc w05	yes (N = 331)
mcc w06	yes (N = 89)

Which variables are available for requesting?

Child:

Delay Discounting - Money: Indifference point day 0 - prefer to receive this amount of money now than 10 euros in 0 days.

Delay Discounting - Money: Indifference point day 2 - prefer to receive this amount of money now than 10 euros in two days.

Delay Discounting - Money: Indifference point day 30 - prefer to receive this amount of money now than 10 euros in 30 days.

Delay Discounting - Money: Indifference point day 180 - prefer to receive this amount of money now than 10 euros in 180 days.

Delay Discounting - Money: Indifference point day 365 - prefer to receive this amount of money now than 10 euros in 365 days.

Demographic Family Characteristics

General Information

Description:

The Demographic Family Characteristics questionnaire consists of 14 items that assess family characteristics,such as age,gender,socio-economic status,etc.

Reference:

Measure type: questionnaires

Measure category: family background measures

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓

Scoring

Example items

Primary Parent:

Demographics: Health, Does one of the twins have a mental disability?

Demographics: Socio economic status (SES) based on parents' educational level.

Demographics: Sex of primary parent; based on information obtained during wave 1.

Demographics: Handedness (left-handed or right-handed) of child; mainly based on assessed handeddness in wave 5, based on wave 3 and 2 handedness when wave 5 data was missing.

Demographics: Primary Parent of child.

Data availability

Number of files available: 12 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), in 2023.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

Primary Parent:

Demographics: Sex of child.

Demographics: Sex of primary parent; based on information obtained during wave 1.

Demographics: Age of twins (in years) at time of visit.

Demographics: Socio economic status (SES) based on parents' educational level.

Sensitive Discipline - Do

General Information

Description:

The Sensitive Discipline - Do task is aimed to measure parental sensitivity and discipline by observing parent-child interaction when the parent has to instruct the child to do something (e.g., clean up toys).

Reference:

Measure type: observational measures

Measure category: parenting

Respondent(s): primary parent & child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent & child	✓	✓	✓											

Scoring

The task was filmed by a research assistant and later coded from the videos by separate teams of coders. The interactions were coded using the revised Erickson7-point rating scale for supportive presence (1 = completely failing to be supportive, 7 = skillfully providing support. It was further coded using the revised Erickson 5-point scale for physical interference (1 = the parent does not interfere physically, 5 = the parent often interferes physically), harshness (0 = no, 1 = yes), and verbal overreaction and laxness of the parent (1 = none to 5 = continuously).

Example items

Child:

Donating Task - Stickers: How many stickers did the child put in, or took out of the envelope after the assistant came into the room?

Donating Task - Stickers: Total number of donated stickers by child (including stickers donated or removed after the RA entered; max 10 stickers).

Donating Task - Stickers: Remarks.

Primary Parent & Child:

Sensitive Discipline - Don't: Verbal Overreaction of the parent.

Sensitive Discipline - Don't: Remarks made by the coder.

Sensitive Discipline - Don't: Laxness of the parent.

Sensitive Discipline - Don't: Harshness of the parent.

Sensitive Discipline - Don't: Physical Interference of the parent.

Data availability

Number of files available: 22 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent-child
	available (N)
ecc w01	yes (N = 471)
ecc w03	yes (N = 399)

Which variables are available for requesting?

Child:

Donating Task - Stickers: Total number of donated stickers by child (including stickers donated or removed after the RA entered; max 10 stickers).

Primary Parent & Child:

Sensitive Discipline - Don't: Physical Interference of the parent.

Sensitive Discipline - Don't: Supportive Presence of the parent.

RR - Sensitive Discipline - Don't, Physical Interference of the parent: Reverse coded, 1 - 5 to 5 - 1.

Sensitivity - Don't: Total mean sensitivity score.

Sensitive Discipline - Do/Don't combined

General Information

Description:

The Sensitive Discipline - Do/Don't combined task is aimed to measure parental sensitivity and discipline by observing parent-child interaction when the parent has to instruct the child to do something (e.g.,clean up toys; Do) and where the parent has to forbid the child to do something (e.g.,do not touch the toys while the parent plays with them; Don't).

Reference:

Measure type: observational measures

Measure category: parenting

Respondent(s): primary parent & child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent & child					✓	✓		✓	✓	✓				

Scoring

The task was filmed by a research assistant and later coded from the videos by separate teams of coders. The interactions were coded using the revised Erickson7-point rating scale for supportive presence (1 = completely failing to be supportive, 7 = skillfully providing support. It was further coded using the revised Erickson 5-point scale for physical interference (1 = the parent does not interfere physically, 5 = the parent often interferes physically), harshness (0 = no, 1 = yes), and verbal overreaction and laxness of the parent (1 = none to 5 = continuously).

Example items

Primary Parent & Child:

Sensitive Discipline - Do/Don't combined: Supportive Presence of the parent.

Sensitive Discipline - Do/Don't combined: Physical Interference of the parent.

RR - Sensitive Discipline - Do/Don't combined, Physical Interference of the parent: Reverse coded, 1 - 5 to 5 - 1.

Sensitive Discipline - Do/Don't combined: Laxness of the parent.

Sensitive Discipline - Do/Don't combined: Child performs the task.

Data availability

Number of files available: 4 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent-child
	available (N)
ecc w05	yes (N = 353)
mcc w01	yes (N = 504)
mcc w02	yes (N = 493)
mcc w03	yes (N = 446)

Which variables are available for requesting?

Primary Parent & Child:

Sensitive Discipline - Do/Don't combined: Physical Interference of the parent.

Sensitive Discipline - Do/Don't combined: Supportive Presence of the parent.

RR - Sensitive Discipline - Do/Don't combined, Physical Interference of the parent: Reverse coded, 1 - 5 to 5 - 1.

Sensitivity - Do/Don't combined: Total mean sensitivity score.

Donating Task - Money

General Information

Description:

The Donating Task-Money is aimed to measure costly prosocial behavior by giving a child the option to donate money to charities or to keep it for themselves. Children were shown a short video from a charity organization on a computer,such as Unicef,SOS Kinderdorpen,or Liliane Fonds. The video featured the life of a poor,malnourished child in a developing country,followed by some information on what the charity would do to help children in that situation. After the video (50 seconds),participants were asked whether they wanted to donate. The researcher was not present for this. Charity per wave: Unicef: ecc_ses-w05,ecc_ses-w06,mcc_ses-w01,mcc_ses-w04. SOS Kinderdorpen: mcc_ses-w02,mcc_ses-w05. Liliane Fonds: mcc_ses-w03.

Reference:

Measure type: behavioral measures

Measure category: social competence

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child					✓	✓		✓	✓	✓	✓	✓		

Scoring

Donating behavior was measured by whether and how much the child donated to charity.

Example items

Child:

Donating Task - Money: Did the child donate?

Donating Task - Money: Amount that child donated in euros.

Donating Task - Money: The version of the clip that was shown to the child.

Donating Task - Money: Remarks.

Data availability

Number of files available: 7 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
ecc w05	yes (N = 357)
ecc w06	yes (N = 98)
mcc w01	yes (N = 472)
mcc w02	yes (N = 456)
mcc w03	yes (N = 412)
mcc w04	yes (N = 364)
mcc w05	yes (N = 336)

Which variables are available for requesting?

Child:

Donating Task - Money: Amount that child donated in euros.

Donating Task - Stickers

General Information

Description:

The Donating Task-Stickers is aimed to measure costly prosocial behavior by giving a child the option to donate (some of) their stickers to another child or keep them for themselves. The child was told that the other same-sex child would participate in the research tomorrow. This other child would complete the same tasks,but they would not have any stickers. Following the instruction,the child was left alone for one minute. After one minute the researcher returned and asked whether the child was done dividing the stickers.

Reference:

Measure type: behavioral measures

Measure category: social competence

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child	✓	✓	✓	✓										

Scoring

Donating behavior was measured by the number of stickers the child had put in the envelope.

Example items

Child:

Donating Task - Stickers: How many stickers did the child put in, or took out of the envelope after the assistant came into the room?

Donating Task - Stickers: Total number of donated stickers by child (including stickers donated or removed after the RA entered; max 10 stickers).

Donating Task - Stickers: Remarks.

Data availability

Number of files available: 4 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
ecc w01	yes (N = 454)
ecc w02	yes (N = 411)
ecc w03	yes (N = 394)
ecc w04	yes (N = 396)

Which variables are available for requesting?

Child:

Donating Task - Stickers: Total number of donated stickers by child (including stickers donated or removed after the RA entered; max 10 stickers).

Sensitive Discipline - Don't

General Information

Description:

The Sensitive Discipline - Don't task is aimed to measure parental sensitivity and discipline by observing parent-child interaction in which the parent has to forbid the child to do something (e.g., do not touch the toys while the parent plays with them).

Reference:

Measure type: observational measures

Measure category: parenting

Respondent(s): primary parent & child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent & child	✓	✓	✓											

Scoring

The task was filmed by a research assistant and later coded from the videos by separate teams of coders. The interactions were coded using the revised Erickson7-point rating scale for supportive presence (1 = completely failing to be supportive, 7 = skillfully providing support. It was further coded using the revised Erickson 5-point scale for physical interference (1 = the parent does not interfere physically, 5 = the parent often interferes physically), harshness (0 = no, 1 = yes), and verbal overreaction and laxness of the parent (1 = none to 5 = continuously).

Example items

Primary Parent & Child:

Sensitive Discipline - Don't: Remarks made by the coder.

Sensitive Discipline - Don't: Physical Interference of the parent.

Sensitive Discipline - Don't: Harshness of the parent.

Sensitive Discipline - Don't: Verbal Overreaction of the parent.

Sensitive Discipline - Don't: Laxness of the parent.

Data availability

Number of files available: 7 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent-child
	available (N)
ecc w01	yes (N = 472)
ecc w02	yes (N = 425)
ecc w03	yes (N = 400)

Which variables are available for requesting?

Primary Parent & Child:

Sensitive Discipline - Don't: Physical Interference of the parent.

Sensitive Discipline - Don't: Supportive Presence of the parent.

RR - Sensitive Discipline - Don't, Physical Interference of the parent: Reverse coded, 1 - 5 to 5 - 1.

Sensitivity - Don't: Total mean sensitivity score.

Dutch Reactive and Proactive Aggression Questionnaire (DRPI)

General Information

Description:

The Dutch Reactive Proactive Aggression Questionnaire (DRPI) consists of 23 items that measure different types of aggression through two subscales: Proactive and Reactive aggression. Within L-CID, in the Middle Childhood Cohort, all items and subscales are used. In the Early Childhood Cohort, only the reactive subscale is used.

Reference:

Measure type: questionnaires

Measure category: behavioral control

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child						✓				✓	✓			✓

Scoring

Items are scored on a 3-point scale ranging from 0 ("never") to 2 ("often"). The total scores for the individual subscales can be calculated by summing the items of the corresponding subscale, the total aggression score can be calculated by summing all item scores.

Example items

Child:

Dutch Reactive Proactive Aggression Questionnaire - Reactive Aggression Q1: How often have you yelled at others when they annoyed you?

Dutch Reactive Proactive Aggression Questionnaire - Reactive Aggression Q14: How often have you gotten angry when others threatened you?

Dutch Reactive Proactive Aggression Questionnaire - Reactive Aggression Q7: How often have you had temper tantrums?

Dutch Reactive Proactive Aggression Questionnaire - Reactive Aggression Q8: How often have you broken or damaged things because you felt mad?

Dutch Reactive Proactive Aggression Questionnaire - Reactive Aggression Q5: How many times have you gotten angry when something didn't go the way you wanted?

Data availability

Number of files available: 4 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
ecc w06	yes (N = 260)
mcc w03	yes (N = 434)
mcc w04	yes (N = 399)
mcc w06	yes (N = 278)

Which variables are available for requesting?

Child:

Dutch Reactive Proactive Aggression Questionnaire - Reactive Aggression: Total score.

E-diary - Activity

General Information

Description:

The E-diary Daily Structure and Activities of the Children - Activity is aimed to assess information about activities through the Upinion smartphone app.

Reference:

Measure type: ambulatory measures

Measure category: environmental factors

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

E-diary - Tympanic Membrane Temperature

General Information

Description:

The E-diary Daily Structure and Activities of the Children - Ear Temperature is aimed to assess information about ear temperature through the Upinion smartphone app.

Reference:

Measure type: physiological measures

Measure category: neurobiological and physiological measures

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓	✓	✓		✓			✓	✓	✓				

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

E-diary - Meals

General Information

Description:

The E-diary Daily Structure and Activities of the Children - Meals is aimed to assess information about meals (breakfast,lunch,and dinner) through the Upinion smartphone app.

Reference:

Measure type: ambulatory measures

Measure category: environmental factors

Respondent(s): primary parent & other parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent & other parent	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

E-diary - Mood children

General Information

Description:

The E-diary Daily Structure and Activities of the Children - Mood Child is aimed to assess information about mood of the children through the Upinion smartphone app.

Reference:

Measure type: ambulatory measures

Measure category: environmental factors

Respondent(s): primary parent & other parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent & other parent	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

E-diary - Mood parents

General Information

Description:

The E-diary Daily Structure and Activities of the Children - Mood Parent is aimed to assess information about mood of the parents through the Upinion smartphone app.

Reference:

Measure type: ambulatory measures

Measure category: environmental factors

Respondent(s): primary parent & other parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent & other parent	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

E-diary - Saliva sample

General Information

Description:

The E-diary Daily Structure and Activities of the Children - Saliva is aimed to assess information about saliva sample collection through the Upinion smartphone app.

Reference:

Measure type: ambulatory measures

Measure category: environmental factors

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓		✓		✓			✓		✓		✓		

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

E-diary - Sleep

General Information

Description:

The E-diary Daily Structure and Activities of the Children - Sleep is aimed to assess information about sleep through the Upinion smartphone app. Parents were asked to fill in questions on the app on four consecutive nights, two weeknights and two weekend nights.

Reference:

Measure type: ambulatory measures

Measure category: environmental factors

Respondent(s): primary parent & other parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent & other parent	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		

Scoring

Items are scored in a timestamp format.

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 3 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent-other parent
	available (N)
ecc w01	yes (N = 454)
ecc w03	yes (N = 378)
mcc w01	yes (N = 498)
mcc w03	yes (N = 435)

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Early Adolescent Temperament Questionnaire - Discomfort, Fear, Perceptual sensitivity (EATQ-DFP)

General Information

Description:

The Early Adolescent Temperament Questionnaire (EATQ) consists of 36 items that assess temperament and self-regulation through 4 subscales: Discomfort,Perceptual Sensitivity,Fear,and Effortful Control. Within L-CID,27 items are used from the Discomfort (how quickly is the child uncomfortable),Fear (how fearful is the child),and Perceptual Sensitivity (how sensitive to external stimuli is the child) subscales.

Reference:

Measure type: questionnaires

Measure category: differential susceptibility markers

Respondent(s): primary parent, other parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent											✓			✓
other parent											✓			
child														✓

Scoring

Items are scored on a 5-point scale from 1 ('almost always untrue') to 5 ('almost always true'). The subscale scores can be calculated by summing the items and dividing the score by the number of items that were filled in, ignoring items with a 'does not apply' response.

Example items

Primary Parent | Other Parent:

Early Adolescent Temperament Questionnaire - Perceptual sensitivity Q8: My child notices things others donâ t notice.

Early Adolescent Temperament Questionnaire - Perceptual sensitivity Q3: My child notices sounds of birds.

Early Adolescent Temperament Questionnaire - Perceptual sensitivity Q1: My child likes to run their hand over things to see if they are smooth or rough.

Early Adolescent Temperament Questionnaire - Perceptual sensitivity Q5: My child notices even tiny specks of dust/dirt.

Early Adolescent Temperament Questionnaire - Perceptual sensitivity Q6: My child notices parfume, smoke, and cooking odors.

Child:

Early Adolescent Temperament Questionnaire - Fear Q1: I worry about getting into trouble.

Early Adolescent Temperament Questionnaire - Discomfort Q4: I feel like crying when I get a shot.

Early Adolescent Temperament Questionnaire - Discomfort Q5: It hurts when I fall down.

Early Adolescent Temperament Questionnaire - Perceptual sensitivity Q1: I often notice when small things around me change, like when the sun brightens a room.

Early Adolescent Temperament Questionnaire - Fear Q6: I feel scared when I go into a dark room at home.

Data availability

Number of files available: 4 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent	other parent	child
	available (N)	available (N)	available (N)
mcc w04	yes (N = 391)	yes (N = 335)	no
mcc w06	yes (N = 303)	no	yes (N = 291)

Which variables are available for requesting?

Other Parent:

Early Adolescent Temperament Questionnaire - Perceptual sensitivity: Total mean score.

Primary Parent:

Early Adolescent Temperament Questionnaire - Perceptual sensitivity: Total mean score.

Child:

Early Adolescent Temperament Questionnaire- Discomfort: Total mean score.

Early Adolescent Temperament Questionnaire - Fear: Total mean score.

Early Adolescent Temperament Questionnaire - Perceptual sensitivity: Total mean score.

Early Adolescent Temperament Questionnaire - DFP: Total mean score.

Early Adolescent Temperament Questionnaire - Effortful control (EATQ-EC)

General Information

Description:

The Early Adolescent Temperament Questionnaire (EATQ) - consists of 36 items that assess temperament and self-regulation through 4 subscales: Discomfort,Perceptual Sensitivity,Fear,and Effortful Control. Within L-CID,the 11 items from the Effortful control subscale consisting of Attentional Control and Inhibitory Control are used. Additionally,within L-CID,items are alternated with Wildman questions.

Reference:

Measure type: questionnaires

Measure category: behavioral control

Respondent(s): primary parent, other parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent						✓				✓	✓	✓		✓
other parent						✓				✓	✓	✓		
child										✓	✓	✓		✓

Scoring

Items are scored on a 5-point scale from 1 ('almost always untrue') to 5 ('almost always true'). The subscale scores can be calculated by summing the items and dividing the score by the number of items that were filled in, ignoring items with a 'does not apply' response and taking into account the items that should be reverse coded, i.e., items 2,4, and 5.

Example items

Primary Parent | Other Parent:

RR - Early Adolescent Temperament Questionnaire - Effortful Control, Attentional Control Q2: Reverse coded, 1-5 to 5-1.

RR - Early Adolescent Temperament Questionnaire - Effortful Control, Inhibitory Control Q5: Reverse coded, 1-5 to 5-1.

Early Adolescent Temperament Questionnaire - Effortful Control, Inhibitory Control Q5: My child is more likely to do something they shouldn't do the more they try to stop themselves.

Early Adolescent Temperament Questionnaire - Effortful Control, Attentional Control Q3: My child pays close attention when someone tells them how to do something.

Early Adolescent Temperament Questionnaire - Effortful Control, Attentional Control Q1: My child finds it easy to really concentrate on a problem.

Child:

Early Adolescent Temperament Questionnaire - Effortful Control, Inhibitory Control Q10: The more I try to stop myself from doing something I shouldn't, the more likely I am to do it.

Early Adolescent Temperament Questionnaire - Effortful Control, Inhibitory Control Q18: I am good at self-discipline.

RR - Early Adolescent Temperament Questionnaire - Effortful Control, Inhibitory Control Q16: Reverse coded, 1-5 to 5-1.

RR - Early Adolescent Temperament Questionnaire - Effortful Control, Inhibitory Control Q15: Reverse coded, 1-5 to 5-1.

RR - Early Adolescent Temperament Questionnaire - Effortful Control, Attentional Control Q7: Reverse coded, 1-5 to 5-1.

Data availability

Number of files available: 16 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent	other parent	child
	available (N)	available (N)	available (N)
ecc w06c	yes (N = 183)	yes (N = 32)	no
mcc w03	yes (N = 413)	yes (N = 373)	yes (N = 455)
mcc w04	yes (N = 391)	yes (N = 334)	yes (N = 399)
mcc w05	yes (N = 325)	yes (N = 289)	yes (N = 335)
mcc w05c	yes (N = 208)	yes (N = 94)	yes (N = 148)
mcc w06	yes (N = 303)	no	yes (N = 291)

Which variables are available for requesting?

Other Parent:

Early Adolescent Temperament Questionnaire- Effortful Control, Attentional Focusing: Total mean score.

Early Adolescent Temperament Questionnaire - Effortful Control, Inhibitory Control: Total mean score.

Early Adolescent Temperament Questionnaire - Effortful Control: Total mean score.

Primary Parent:

Child:

Early Adolescent Temperament Questionnaire - Effortful Control, Attentional Focusing: Total mean score.

Early Adolescent Temperament Questionnaire - Effortful Control, Inhibitory Control: Total mean score.

Early Adolescent Temperament Questionnaire - Effortful Control: Total mean score.

EEG - Resting state

General Information

Description:

The EEG - resting state is aimed to measure brain activity during rest.

Reference:

Measure type: neurobiological measures

Measure category: neurobiological and physiological measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child		✓	✓											

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

EEG - Social Network Aggression Task - Early Childhood

General Information

Description:

The EEG - Social Network Aggression Task - Early Childhood measures brain activity during the Social Network Aggression Task - Early Childhood,in which the child can respond aggressively in response to different types of peers.

Reference:

Measure type: neurobiological measures

Measure category: behavioral control

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child		✓	✓											

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Twin Social Interaction - Etch-a-Sketch

General Information

Description:

The Twin Social Interaction task aimed at measuring social behavior by having the twins play a game of Etch-a-Sketch together. The Etch-A-Sketch task is a cooperative learning challenge task that requires children to work together in order to succeed. The children are given one Etch-A-Sketch board and are instructed to use the board to copy a series of three designs that increase in complexity. The children must work together as one controls the left knob (draws only horizontal lines) and one controls the right knob (draws only vertical lines). The children are allowed a maximum of 5 minutes to complete each design, and participants are told that their accuracy on completing or copying the designs will be checked by the experimenter.

Reference:

Measure type: observational measures

Measure category: social competence

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child						✓								

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Sensitivity - Etch-a-Sketch

General Information

Description:

The Sensitivity - Etch-a-Sketch task is aimed to measure parental sensitvity by observing parent-child interaction during the playing of the Etch-a-Sketch game. The Etch-A-Sketch task is a cooperative learning challenge task that requires a parent to work together with their child in order to succeed. The parent and child are given one Etch-A-Sketch board and are instructed to use the board to copy a series of three designs that increase in complexity. The parent and child must work together as one controls the left knob (draws only horizontal lines) and one controls the right knob (draws only vertical lines). The parent and child are allowed a maximum of 5 minutes to complete each design, and participants are told that their accuracy on completing or copying the designs will be checked by the experimenter.

Reference:

Measure type: observational measures

Measure category: parenting

Respondent(s): primary parent & child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent & child	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		

Scoring

The task was filmed by a research assistant and later coded from the videos by separate teams of coders). The interactions were coded using the revised Erickson7-point rating scale for supportive presence (1 = completely failing to be supportive, 7 = skillfully providing support). It was further coded using the revised Erickson 7-point rating scale for intrusiveness (1 = nonintrusive, 7 _x0002_= highly intrusive).

Example items

Primary Parent & Child:

Sensitivity - Etch-a-Sketch: Coder Erickson.

Sensitivity - Etch-a-Sketch: Supportive Presence of primary parent.

Sensitivity - Etch-a-Sketch: Intrusiveness of primary parent.

Sensitivity - Etch-a-Sketch: Remarks.

RR - Sensitivity - Etch-a-Sketch, Intrusiveness of primary parent: Reverse coded, 1 - 7 to 7 - 1.

Data availability

Number of files available: 6 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent-child
	available (N)
mcc w01	yes (N = 506)
mcc w02	yes (N = 490)
mcc w03	yes (N = 446)

Which variables are available for requesting?

Primary Parent & Child:

Sensitivity - Etch-a-Sketch: Supportive Presence of primary parent.

Sensitivity - Etch-a-Sketch: Intrusiveness of primary parent.

RR - Sensitivity - Etch-a-Sketch, Intrusiveness of primary parent: Reverse coded, 1 - 7 to 7 - 1.

Sensitivity - Etch-a-Sketch: Total mean sensitivity score.

Ethnicity

General Information

Description:

The Ethnicity questionnaire consists of 12 items with subitems that assess the ethnicity of participants.

Reference:

Measure type: questionnaires

Measure category: family background measures

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent														

Scoring

Example items

Primary Parent:

Culture: To which culture feels primary parent most strongly connected?

Ethnicity, Biological grandparents: Are all (1) or one or more (0.5) or none (0) of the biological grandparents are Caucasian?

Culture: To which culture feels biological father most strongly connected?

Ethnicity, Biological mother: Soley based on country of birth, is the biological mother caucasion?

Ethnicity, Mother of biological other parent (solely based on country of birth)

Data availability

Number of files available: 2 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), in 2023.

For which waves and respondents is data available?

	primary parent
	available (N)
ecc w03	yes (N = 466)
mcc w01	yes (N = 510)

Which variables are available for requesting?

Primary Parent:

Ethnicity, Child: Ethnicity child based on biological parents and grandparents.

Observation Evening meal

General Information

Description:

The Observation Evening Meal task is aimed to measure parental sensitivity by observing parent-child interactions during the evening meal.

Reference:

Measure type: observational measures

Measure category: parenting

Respondent(s): primary parent & other parent & child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent & other parent & child	✓	✓	✓		✓			✓	✓	✓				

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Family Assessment Device - General Functioning (FAD-GF)

General Information

Description:

The McMaster Family Assessment Device (FAD) consists of 60 items that assess functioning of the family. Within L-CID,only the 12 items from the General Functioning subscale are used.

Reference:

Measure type: questionnaires

Measure category: family background measures

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent			✓	✓	✓	✓			✓	✓		✓		✓

Scoring

Items are scored on a 4-point scale from 1 ("completely disagree") to 4 ("completely agree"). A total score can be created by summing all items, while taking into account the items that should be reverse coded, i.e., item 2,4,6,8, 10, and 12. The total score should then be divided by the number of filled in items on the subscale giving a total score ranging from 1.0 (best functioning) to 4.0 (worse functioning).

Example items

Primary Parent:

Family Assessment Device - General Functioning Q12: We donâ t get along well together.

Family Assessment Device - General Functioning Q8: There are lots of bad feelings in our family.

Family Assessment Device - General Functioning Q7: We feel accepted for what we are

RR - Family Assessment Device - General Functioning Q9: Reverse coded, 1 = 4, 2 = 3, 3 = 2, 4 = 1.

RR - Family Assessment Device - General Functioning Q3: Reverse coded, 1 = 4, 2 = 3, 3 = 2, 4 = 1.

Data availability

Number of files available: 8 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent
	available (N)
ecc w03	yes (N = 348)
ecc w04	yes (N = 388)
ecc w05	yes (N = 340)
ecc w06	yes (N = 352)
mcc w02	yes (N = 480)
mcc w03	yes (N = 444)
mcc w05	yes (N = 328)
mcc w06	yes (N = 300)

Which variables are available for requesting?

Primary Parent:

Family Assessment Device - General Functioning: Total mean score.

Sensitivity - Family game

General Information

Description:

The Sensitivity - Family game task is aimed to measure parental sensitivity by observing parent-child interaction during the playing of a family game.

Reference:

Measure type: observational measures

Measure category: parenting

Respondent(s): primary parent & child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent & child				✓		✓					✓			

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Family Interaction Task

General Information

Description:

The Family Interaction Task is aimed to measure parental sensitivity by observing parent-child interaction in which the parent and the child have to discuss a predetermined set of topics. At the start of the session, both the primary parent and the child receive a list of topics for which they are asked indicate how often they have discussions about said topic. The research assistant then chooses two topics based on the overlap in answers between child and parent and writes them down on a card. When it is time for the task, the research assistant gives this card to the parent, and instructs them to discuss these topics with their child.

Reference:

Measure type: observational measures

Measure category: parenting

Respondent(s): primary parent & child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent & child												✓		✓

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

fMRI - Prosocial Cyberball Game

General Information

Description:

The fMRI - Prosocial Cyberball Game measures brain activity during the Prosocial Cyberball Game where a child has the opportunity to help a socially-excluded child in a ball throwing game. Functional runs of the PCG were acquired using a T2*-weighted echo-planar imaging (EPI). The first two (dummy) volumes were discarded to allow for equilibration of T1 saturation effects. The PCG consisted of 2 runs in total. The number of volumes was dependent on the reaction time of the participant,with a maximum of 175 volumes. On average,136 volumes (4.99 min) were acquired for each PCG run. Volumes covered the whole brain with a field of view (FOV) = 220 (anterior–posterior [ap]) × 220 (right–left [rl]) × 111.65 (foot–head [fh]) mm; repetition time (TR) of 2.2 s; echo time (TE) = 30 ms; flip angle (FA) = 80°; sequential acquisition,37 slices; and voxel size = 2.75 × 2.75 × 2.75 mm.

Reference:

Measure type: neurobiological measures

Measure category: social competence

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child								✓		✓		✓		

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), in 2023.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

fMRI - Resting State

General Information

Description:

The fMRI - Resting State scan is used to assess anatomical structure of the brain,and was taken at the end of the scan session. Resting state data was acquired at the end of the imaging protocol. A total of 142 T2 - weighted whole-brain echo planar images (EPIs) were acquired,including 2 dummy volumes preceding the scan to allow for equilibration of T1 saturation effects (TR =2.2 s; TE =30 ms; flip angle = 80°; FOV = 220.000 (rl) x 220.00 (ap) x 111.65 (fh); 37 slices).

Reference:

Measure type: neurobiological measures

Measure category: neurobiological and physiological measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child					✓			✓		✓		✓		

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), in 2023.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

fMRI - Self-concept Task

General Information

Description:

The fMRI - Self-concept Task measures brain activity during the Self-concept Task where children get asked whether certain negative and positive traits fit them. Functional runs of the Self-concept Task were acquired using a T2*-weighted echo-planar imaging (EPI). The first two (dummy) volumes were discarded to allow for equilibration of T1 saturation effects. Volumes covered the whole brain with a field of view (FOV) = 220 (anterior–posterior [ap]) × 220 (right–left [rl]) × 111.65 (foot–head [fh]) mm; repetition time (TR) of 2.2 s; echo time (TE) = 30 ms; flip angle (FA) = 80°; sequential acquisition,37 slices; and voxel size = 2.75 × 2.75 × 2.75 mm.

Reference:

Measure type: neurobiological measures

Measure category: social competence

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child					✓									

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), in 2023.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

fMRI - Social Network Aggression Task

General Information

Description:

The fMRI - Social Network Aggression Task measures brain activity during the Social Network Aggression Task,in which the child can respond aggressively in response to different types of peers. The SNAT was projected on a screen that was viewed through a mirror on the head coil. Functional runs of the SNAT were acquired using a T2*-weighted echo-planar imaging (EPI). The first two (dummy) volumes were discarded to allow for equilibration of T1 saturation effects. During the Early Childhood Cohort wave,the SNAT consisted of 2 runs in total with 148 volumes in the first run and 142 volumes in the second run. During the Middle Childhood Cohort waves,it consisted of 3 runs in total with 148 volumes,142 volumes,and 141 volumes respectively. Volumes covered the whole brain with a field of view (FOV) = 220 (anterior–posterior [ap]) × 220 (right–left [rl]) × 111.65 (foot–head [fh]) mm; repetition time (TR) of 2.2 s; echo time (TE) = 30 ms; flip angle (FA) = 80°; sequential acquisition,37 slices; and voxel size = 2.75 × 2.75 × 2.75 mm.

Reference:

Measure type: neurobiological measures

Measure category: behavioral control

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child					✓			✓		✓		✓		

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), in 2023.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Sensitivity - Free play

General Information

Description:

The Sensitivity - Free play task is aimed to measure parental sensitivity by observing parent-child interaction during free play without instructions.

Reference:

Measure type: observational measures

Measure category: parenting

Respondent(s): primary parent & child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent & child	✓	✓	✓					✓	✓	✓				

Scoring

The task was filmed by a research assistant and later coded from the videos by separate teams of coders. The interactions were coded using the revised Erickson7-point rating scale for supportive presence (1 = completely failing to be supportive, 7 = skillfully providing support. It was further coded using the revised Erickson 7-point rating scale for intrusiveness (1 = nonintrusive, 7 _x0002_= highly intrusive).

Example items

Primary Parent & Child:

Sensitivity - Free play: Supportive presence of the parent.

Sensitivity - Free play: Intrusiveness of the parent.

Sensitivity - Free play: Remarks.

RR - Sensitivity - Free play, Intrusiveness of the parent : Reverse coded, 1 - 7 to 7 - 1.

Data availability

Number of files available: 2 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent-child
	available (N)
ecc w01	yes (N = 468)
ecc w02	yes (N = 271)

Which variables are available for requesting?

Primary Parent & Child:

Sensitivity - Free play: Supportive presence of the parent.

Sensitivity - Free play: Intrusiveness of the parent.

RR - Sensitivity - Free play, Intrusiveness of the parent : Reverse coded, 1 - 7 to 7 - 1.

Sensitivity - Free Play: Total mean sensitivity score.

Feeling and Thinking Questionnaire (FTQ)

General Information

Description:

The Feeling and Thinking Questionnaire (FTQ) is aimed to measure affective and cognitive empathy in 8 and 9 year old children. Within L-CID,all 18 items of the questionnaire are used.

Reference: Garon, A.F., & Gringart, E.C. (2005). The development of a scale to measure empathy in 8- and 9-year old children. Australian journal of education and developmental psychology, 5, 17-25.

Measure type: questionnaires

Measure category: social competence

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child										✓	✓			

Scoring

Items are scored on a 5-point scale from 0 ('not at all') to 4 ('very much'). Total scores are calculated by summing the scores of the 18 items, with a maximum score of 72.

Example items

Child:

Feeling and Thinking Questionnaire Q11: When reading a book, I try to imagine what the people in the story are thinking.

Feeling and Thinking Questionnaire Q1: I am quite a soft-hearted person.

Feeling and Thinking Questionnaire Q9: When people around me are nervous or worried, I get a bit scared and worried too.

Feeling and Thinking Questionnaire Q17: Sometimes I feel helpless when people around me are upset.

Feeling and Thinking Questionnaire Q14: I am likely to lose control during an emergency.

Data availability

Number of files available: 2 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
mcc w03	yes (N = 399)
mcc w04	yes (N = 360)

Which variables are available for requesting?

Child:

Feeling and Thinking Questionnaire: Total sum score.

DNA sample - Genetic markers

General Information

Description:

DNA information from buccal cell samples, collected via mouth swabs, is used to determine genetic markers in DNA. The DNA was genotyped by the Genetic Laboratory of the Department of Internal Medicine (Population Genomics) at Erasmus MC using the GSA-MD array (version 3). The DNA QC was performed in PLINK. After genotyping, the 1000 Genomes Project (phase III release version 5) was used to apply genotype imputation. We computed two different polygenic differential susceptibility scores. We obtained a PGS of environmental susceptibility (PGS-ES), and a PGS for the 'susceptibility to environmental stress and adversity' (SESA).

Reference:

Measure type: genetic measures

Measure category: differential susceptibility markers

Respondent(s): primary parent, other parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent		✓	✓					✓		✓				
other parent		✓	✓					✓		✓				
child		✓	✓					✓		✓				

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Growth Booklet

General Information

Description:

The growth booklet is aimed to assess the child's anthropometrics until age 4,and was filled in by the parents.

Reference:

Measure type: anthropometrics

Measure category: additional measures

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent			✓						✓					

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Hair samples - Cortisol

General Information

Description:

To collect hair samples to assess cortisol,a tuft of hair at the at the base of the vertex posterior of the scalp was selected and cut right at the scalp. Hair was put into foil and stored at a dark,room-temperature location until sent to the Dresden Lab Service GmbH in Germanyfor analysis. The most proximal 2cm of hair were sectioned and the hair was minced and cortisol was extracted. Liquid chromatography–mass spectrometry (LC–MS/MS) was used for cortisol quantification.

Reference:

Measure type: physiological measures

Measure category: neurobiological and physiological measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child		✓	✓	✓		✓			✓	✓	✓			

Scoring

Both cortisol and cortisone levels are reported in picograms (pg) per milligram (mg). Additionally, hair mass is reported in milligram (mg).

Example items

Child:

Hair cortisol: hair mass in mg

Hair cortisol: comments on hair samples

Hair cortisol: comments on analysis

Hair cortisol: cortisol in pg/mg

Hair cortisol: cortisone in pg/mg

Data availability

Number of files available: 5 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
ecc w02	yes (N = 398)
ecc w03	yes (N = 377)
mcc w02	yes (N = 445)
mcc w03	yes (N = 398)
mcc w04	yes (N = 287)

Which variables are available for requesting?

Child:

Hair cortisol: cortisol in pg/mg

Hair cortisol: cortisone in pg/mg

Hair samples - Dehydroepiandrosterone (DHEA)

General Information

Description:

To collect hair samples to assess dehydroepiandrosterone (DHEA), a tuft of hair at the at the base of the vertex posterior of the scalp was selected and cut right at the scalp. Hair was put into foil and stored at a dark,room-temperature location until sent to the Dresden Lab Service GmbH in Germanyfor analysis. The most proximal 2cm of hair were sectioned and the hair was minced and DHEA was extracted. Liquid chromatography–mass spectrometry (LC–MS/MS) was used for DHEA quantification.

Reference:

Measure type: physiological measures

Measure category: neurobiological and physiological measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child		✓	✓	✓		✓			✓	✓	✓			

Scoring

Dehydroepiandrosterone levels are reported in picograms (pg) per milligram (mg). Additionally, hair mass is reported in milligram (mg).

Example items

Child:

Hair dhea: hair mass in mg

Hair dhea: comments on hair samples

Hair dhea: comments on analysis

Hair dhea: dhea in pg/mg

Data availability

Number of files available: 5 .json and .tsv files.

Available: yes, in 2027.

For which waves and respondents is data available?

	child
	available (N)
ecc w02	yes (N = 182)
ecc w03	yes (N = 175)
mcc w02	yes (N = 156)
mcc w03	yes (N = 100)
mcc w04	yes (N = 85)

Which variables are available for requesting?

Child:

Hair dhea: dhea in pg/mg

Hair samples - Questionnaire

General Information

Description:

The Hair samples - Questionnaire consists of 3 questions that assess hair characteristics when the hair samples are collected,e.g.,the last time the hair was washed,hair color,etc.

Reference:

Measure type: questionnaires

Measure category: neurobiological and physiological measures

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent		✓	✓	✓		✓			✓	✓	✓			

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Hair samples - Testosterone

General Information

Description:

To collect hair samples to assess testosterone, a tuft of hair at the at the base of the vertex posterior of the scalp was selected and cut right at the scalp. Hair was put into foil and stored at a dark,room-temperature location until sent to the Dresden Lab Service GmbH in Germanyfor analysis. The most proximal 2cm of hair were sectioned and the hair was minced and testosterone was extracted. Liquid chromatography–mass spectrometry (LC–MS/MS) was used for testosterone quantification.

Reference:

Measure type: physiological measures

Measure category: neurobiological and physiological measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child									✓	✓	✓			

Scoring

Testosterone levels are reported in picograms (pg) per milligram (mg). Additionally, hair mass is reported in milligram (mg).

Example items

Child:

Hair test: hair mass in mg

Hair test: comments on hair samples

Hair test: comments on analysis

Hair test: testosterone in pg/mg

Data availability

Number of files available: 3 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

	child
	available (N)
mcc w02	yes (N = 51)
mcc w03	yes (N = 41)
mcc w04	yes (N = 18)

Which variables are available for requesting?

Child:

Hair test: testosterone in pg/mg

Highly Sensitive Child Scale (HSC)

General Information

Description:

The Highly Sensitive Child Scale (HSC) consists of 27 items that measure the sensitivity of the child (e.g. to sounds,scents,social interaction,etc.). Within L-CID,13 items are used.

Reference:

Measure type: questionnaires

Measure category: additional measures

Respondent(s): primary parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent						✓						✓		✓
child						✓						✓		✓

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Inventory of Callous-Unemotional Traits (ICU)

General Information

Description:

The Inventory of Callous-Unemotional Traits (ICU) consists of 24 items that assess (lack of) empathy,guilt,and emotional expression through three subscales: Callousness,Uncaring,and Unemotional. Within L-CID,all items and subscales are used.

Reference:

Measure type: questionnaires

Measure category: social competence

Respondent(s): primary parent, other parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent									✓	✓				
other parent									✓	✓				

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Individual Differences and Preferences Questionnaire

General Information

Description:

The Individual Differences and Preferences Questionnaire is a self-developed questionnaire that consists of 12-32 items (differs per wave). It assesses individual differences between the twins according to their parents,in terms of daily interaction,preferences,relationship with the twins,and hobbies.

Reference:

Measure type: questionnaires

Measure category: environmental factors

Respondent(s): primary parent, other parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓			✓		✓		✓		✓	✓	✓		✓
other parent	✓			✓		✓		✓		✓	✓	✓		✓

Scoring

Example items

Primary Parent | Other Parent:

Brief Symptom Inventory - Depression Q7: Feeling down.

Brief Symptom Inventory - Anxiety Q20: Feeling so restless that you cannot sit still.

Brief Symptom Inventory - Hostility Q15: An urge to hit, injure or cause pain to others.

Brief Symptom Inventory - Depression Q6: Feeling lonely.

Brief Symptom Inventory - Hostility Q16: An urge to damage or break things.

Child:

Cheating - Ball Throwing: Cheating category (1 to 6) the child was assigned to.

Cheating - Ball Throwing: Time in seconds from task onset to the onset of cheating behavior.

Cheating - Ball Throwing: Missing data remarks.

Cheating - Ball Throwing: Ways of cheating that were observed.

Cheating - Ball Throwing: Notes made by the Research Assistant (RA) about task performance etc. during the task.

Primary Parent & Child:

Sensitive Discipline - Don't: Coder of the interaction.

RR - Sensitive Discipline - Don't, Physical Interference of the parent: Reverse coded, 1 - 5 to 5 - 1.

RR - Sensitive Discipline - Don't, Laxness of the parent: Reverse coded, 1 - 5 to 5 - 1.

Sensitive Discipline - Don't: Supportive Presence of the parent.

Sensitive Discipline - Don't: Laxness of the parent.

Ra:

Visual Analogue Scale, Fun moment 2 (before real scanner: How much fun do you think the child thinks it is to go into the scanner?

Visual Analogue Scale, Anxious moment 3 (after the scanner): How anxious do you think the child was inside the scanner?

Visual Analogue Scale, Fun moment 1 (before mock scanner): How much fun do you think the child thinks it is to go into the scanner?

Visual Analogue Scale, Anxious moment 2 (before real scanner): How anxious do you think the child is to go into the scanner?

Visual Analogue Scale, Anxious moment 1 (before mock scanner): How anxious do you think the child is to go into the scanner?

Data availability

Number of files available: 420 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

Other Parent:

Brief Symptom Inventory - Anxiety: Total mean score.

Brief Symptom Inventory - Hostility: Total mean score.

Brief Symptom Inventory - Depression: Total mean score.

Brief Symptom Inventory - Interpersonal sensitivity: Total mean score.

Primary Parent:

Brief Symptom Inventory - Anxiety: Total mean score.

Brief Symptom Inventory - Hostility: Total mean score.

Brief Symptom Inventory - Depression: Total mean score.

Brief Symptom Inventory - Interpersonal sensitivity: Total mean score.

Child:

Cheating - Ball Throwing: Cheating category (1 to 3) the child was assigned to.

Cheating - Ball Throwing: Ways of cheating that were observed.

Primary Parent & Child:

Sensitive Discipline - Don't: Physical Interference of the parent.

Sensitive Discipline - Don't: Supportive Presence of the parent.

RR - Sensitive Discipline - Don't, Physical Interference of the parent: Reverse coded, 1 - 5 to 5 - 1.

Sensitivity - Don't: Total mean sensitivity score.

Ra:

Visual Analogue Scale, Fun moment 1 (before mock scanner): How much fun do you think the child thinks it is to go into the scanner?

Visual Analogue Scale, Fun moment 2 (before real scanner: How much fun do you think the child thinks it is to go into the scanner?

Visual Analogue Scale, Fun moment 3 (after the scanner): How much fun did you think the child thinks it was to go into the scanner?

Visual Analogue Scale, Anxious moment 1 (before mock scanner): How anxious do you think the child is to go into the scanner?

Visual Analogue Scale, Anxious moment 2 (before real scanner): How anxious do you think the child is to go into the scanner?

Visual Analogue Scale, Anxious moment 3 (after the scanner): How anxious do you think the child was inside the scanner?

Investment Models Scale (IMS)

General Information

Description:

The Investment Models Scale (IMS) consists of 6 items that assess marital satisfaction. Within L-CID,all of them are used.

Reference:

Measure type: questionnaires

Measure category: family background measures

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓	✓						✓						

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Interpersonal Reactivity Index - Perspective Taking, Empathic Concern (IRI-PT-EC)

General Information

Description:

The Interpersonal Reactivity Index (IRI) is aimed to measure empathy and consists of 28 items from 4 different subscales. Within L-CID,the 14 items from the empathic concern scale and the perspective-taking scale are used.

Reference:

Measure type: questionnaires

Measure category: social competence

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child												✓		✓

Scoring

Items are scored on a 5-point scale from 0 ('does not describe me well') to 4 ('describes me very well'). The total score of each of the subscales can be calculated by summing the items of the corresponding subscale, taking into account the items that should be reverse coded. For LCID, items 2,3,7,8, and 9 are reverse coded.

Example items

Child:

Interpersonal Reactivity Index - Empathic Concern Q10: When reading a good story, I imagine what it would be like if the story were true.

Interpersonal Reactivity Index - Empathic Concern Q3: Emergency situations make me feel worried and upset.

Interpersonal Reactivity Index - Perspective Taking Q14: I am likely to lose control during an emergency.

Interpersonal Reactivity Index - Empathic Concern Q9: When people around me are nervous or worried, I get a bit scared and worried too.

Interpersonal Reactivity Index - Perspective Taking Q13: I try to think about other people's feelings before I make mean comments on them.

Data availability

Number of files available: 2 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
mcc w05	yes (N = 257)
mcc w06	yes (N = 241)

Which variables are available for requesting?

Child:

Interpersonal Reactivity Index - Perspective Taking: Total score.

Interpersonal Reactivity Index - Empathic Concern: Total score.

Language Environment Analysis (LENA)

General Information

Description:

The Lanuage Environment Analysis (LENA) is aimed to assess caregiver speech and child vocalizations by using a device that records sounds from the child's environment.

Reference:

Measure type: ambulatory measures

Measure category: environmental factors

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child	✓	✓	✓					✓	✓	✓				

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Life Events Questionnaire

General Information

Description:

The Life Events questionnaire consists of 20 or 21 items about important events that may (not) have happened to respondents (e.g.,illness,death,financial burden,moving,etc.). During the Early Childhood Cohort, 21 questions were asked in wave 4, whereas 20 questions were asked in wave 5 and 6. In the Middle Childhood Cohort, 21 questions were used in every wave.

Reference:

Measure type: questionnaires

Measure category: family background measures

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent				✓	✓	✓				✓	✓	✓		✓

Scoring

Items are scored on a 2-point scale from 0 ('no') to 4 ('yes'). The mean total score of the life events questionnaire can be calculated by summing the items (excluding item 21), with a higher score (max score = 20) indicating having been through more life events.

Example items

Primary Parent:

Life Events Questionnaire, Q13: Have you had any major financial difficulties (e.g. debts, difficulty paying bills)?

Life Events Questionnaire, Q1: Have you had a serious illness or been seriously injured?

Life Events Questionnaire, Q4: Have any or your immediate family died?

Life Events Questionnaire, Q6: Have you separated from your partner (not including death)?

Life Events Questionnaire, Q19: Have you moved house (not through choice)?

Data availability

Number of files available: 7 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent
	available (N)
ecc w04	yes (N = 310)
ecc w05	yes (N = 322)
ecc w06	yes (N = 318)
mcc w03	yes (N = 414)
mcc w04	yes (N = 386)
mcc w05	yes (N = 312)
mcc w06	yes (N = 298)

Which variables are available for requesting?

Primary Parent:

Life Events Questionnaire: Total score.

MRI - 3DTI

General Information

Description:

A high-resolution three-dimensional (3D) T1 scan was obtained as anatomical reference (FOV = 224 (ap) x 177 (rl) x 168 (fh); TR =9.72 ms; TE = 4.95 ms; FA = 8°; 140 slices; voxel size 0.875 × 0.875 x 0.875 mm). Participants watched a self-chosen child-friendly movie during the structural anatomical scan (3DT1). MRI scans were acquired with a standard whole-head coil on a Philips Ingenia 3.0 T MRI system. To prevent head motion,foam inserts surrounded the children's heads.

Reference:

Measure type: neurobiological measures

Measure category: neurobiological and physiological measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child					✓			✓		✓		✓		

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 3 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), in 2023.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

MRI - DTI

General Information

Description:

The Diffusion Tensor Imaging (DTI) scans are used to assess structural connectivity of the brain. Participants watched a self-chosen child-friendly movie during the structural connectivity scan (DTI). MRI scans were acquired with a standard whole-head coil on a Philips Ingenia 3.0 T MRI system. To prevent head motion,foam inserts surrounded the children's heads. Two transverse Diffusion Weighted Imaging (DWI) scans were obtained with the following parameter settings: 30 diffusion-weighted volumes with different noncollinear diffusion directions with b-factor 1000 s/mm2 and 5 diffusion-unweighted volumes (b-factor 0 s/mm2); anterior -posterior phase encoding direction; parallel imaging SENSE factor = 3; flip angle = 90°; 75 slices of 2 mm; no slice gap; reconstruction matrix 128 × 128; FOV = 240 × 240 mm; TE = 69 ms; TR = 7315 ms. The second DWI set had identical parameter settings as used for the first set except that it was acquired with a reversed k-space readout direction (posterior-anterior phase encoding direction) enabling the removal of susceptibility artifacts during post processing.

Reference:

Measure type: neurobiological measures

Measure category: neurobiological and physiological measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child					✓			✓		✓		✓		

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), in 2027.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

MRI - Echo Planar Imaging

General Information

Description:

A high-resolution EPI scan was obtained for RS-fMRI registration purposes (TR =2.2 s; TE =30 ms,flip angle = 80°,FOV = 220.000 (rl) x 220.00 (ap) x 168.00 (fh),84 slices). MRI scans were acquired with a standard whole-head coil on a Philips Ingenia 3.0 T MRI system. To prevent head motion,foam inserts surrounded the children's heads.

Reference:

Measure type: neurobiological measures

Measure category: neurobiological and physiological measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child					✓			✓		✓		✓		

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), in 2023.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Sensorimotor Synchronization Task

General Information

Description:

The Sensorimotor Synchronization Task is aimed to assess the child's rhythmic coordination of perception and action by instructing the child to compare rhythms and judge whether sounds are in sync with a given rhythm. Participants were asked to perform a task in which their musical performance, in terms of SMS skills, were determined using a tapping paradigm. The tapping experiment included three types of tapping trials. The first task was in_x0002_phase metronome tapping in which participants were asked to tap the exact same regular tempo that was produced by the metronome. Participants were asked to tap along with the tempo of the metronome as if they were clapping along with music. This task consisted of three trials, including a practice and two experimental trials at different tempi: an inter-onset time of 500ms (fast) or 600ms (slow). The second task was anti-phase metronome tapping in which participants were asked to tap a regular tempo at the timepoints between the sounds produced by the metronome. In this task, participants first practiced one trial before they performed two experimental trials at two different tempi: inter-onset time of 500ms (fast) or 600ms (slow). The final task was music-cued tapping in which participants were asked to tap the beat of four different songs excerpts of 20 seconds duration that were ranked on the top 40 list 2020 within the Netherlands (see Table S5 for the specification of the songs).

Reference:

Measure type: behavioral measures

Measure category: differential susceptibility markers

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child												✓		

Scoring

SMS performance was calculated by assessing the stability of tap timing relative to beat onsets (resultant vector; RV), and how far are they were off the beat (mean phase; in ms). RV ranged between 0 and 1, with 1 indicating perfectly stable synchronization, whereas mean phase ranged between -1 (far off the beat, before the beat) and 1 ("far off the beat, after the beat").

Example items

Child:

Sensorimotor Synchronization Task - Real trial: In Phase 2, Asynchrony, Standard deviation.

Sensorimotor Synchronization Task - Real trial: Out Phase 2, Asynchrony, Mean.

Sensorimotor Synchronization Task - Practice trial: Out Phase 2, Asynchrony, Standard deviation.

Sensorimotor Synchronization Task - Practice trial: Out Phase 2, Asynchrony, Mean.

Sensorimotor Synchronization Task - Practice trial: In Phase 3, Intertap interval, Standard deviation.

Data availability

Number of files available: 1 .json and .tsv files.

Available: yes, in 2027.

For which waves and respondents is data available?

	child
	available (N)
mcc w05	yes (N = 324)

Which variables are available for requesting?

Child:

Sensorimotor Synchronization Task - Real trial: In Phase 1, Resultant Vector. Stability of tapping (0-1).

Sensorimotor Synchronization Task - Real trial: In Phase 1, Mean phase, how far are they off the beat (in ms), Mean.

Sensorimotor Synchronization Task - Real trial: In Phase 2, Resultant Vector. Stability of tapping (0-1).

Sensorimotor Synchronization Task - Real trial: In Phase 2, Mean phase, how far are they off the beat (in ms), Mean.

Sensorimotor Synchronization Task - Real trial: Song 1, Resultant Vector. Stability of tapping (0-1).

Sensorimotor Synchronization Task - Real trial: Song 1, Mean phase, how far are they off the beat (in ms), Mean.

Sensorimotor Synchronization Task - Real trial: Song 2, Resultant Vector. Stability of tapping (0-1).

Sensorimotor Synchronization Task - Real trial: Song 2, Mean phase, how far are they off the beat (in ms), Mean.

Sensorimotor Synchronization Task - Real trial: Song 3, Resultant Vector. Stability of tapping (0-1).

Sensorimotor Synchronization Task - Real trial: Song 3, Mean phase, how far are they off the beat (in ms), Mean.

Sensorimotor Synchronization Task - Real trial: Song 4, Resultant Vector. Stability of tapping (0-1).

Sensorimotor Synchronization Task - Real trial: Song 4, Mean phase, how far are they off the beat (in ms), Mean.

Sensorimotor Synchronization Task - Real trial: Out Phase 1, Resultant Vector. Stability of tapping (0-1).

Sensorimotor Synchronization Task - Real trial: Out Phase 1, Mean phase, how far are they off the beat (in ms), Mean.

Sensorimotor Synchronization Task - Real trial: Out Phase 2, Resultant Vector. Stability of tapping (0-1).

Sensorimotor Synchronization Task - Real trial: Out Phase 2, Mean phase, how far are they off the beat (in ms), Mean.

MyChild - Empathy

General Information

Description:

The MyChild questionnaire is aimed to measure conscience / internalized compliance and consists of 100 items over 10 different subscales. Within L-CID, 3 subscales are measured: Empathy,Guilt and Internalized Conduct. The MyChild - Empathy subscale consists of 13 items that assess a child's empathic tendencies according to their parent(s).

Reference:

Measure type: questionnaires

Measure category: social competence

Respondent(s): primary parent, other parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓
other parent		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		

Scoring

Items are scored on a 5-point scale from 0 ('untrue') to 4 ('true'). The mean total score of the Empathy subscale can be calculated by summing the items and dividing the score by the number of items that were filled in, taking into account the items that should be reverse coded. In LCID, items 3,6, and 13 should be reverse coded.

Example items

Primary Parent | Other Parent:

MyChild - Empathy Q4: My child feels good when good things happen to movie characters.

MyChild - Empathy Q12: My child feels sorry for other people who are hurt, sick, or unhappy.

MyChild - Empathy Q3: My child may occasionally tease a pet if unsupervised.

MyChild - Empathy Q7: My child is likely to show spontaneous nurturing and care-giving behavior toward an animal.

MyChild - Empathy Q13: My child is not likely to become upset if a play-mate cries.

Data availability

Number of files available: 21 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent available (N)	other parent available (N)
ecc w02	yes (N = 395)	yes (N = 338)
ecc w03	yes (N = 354)	yes (N = 312)
ecc w04	yes (N = 367)	yes (N = 298)
ecc w05	yes (N = 353)	yes (N = 278)
ecc w06	yes (N = 342)	yes (N = 253)
mcc w01	yes (N = 416)	yes (N = 370)
mcc w02	yes (N = 490)	yes (N = 410)
mcc w03	yes (N = 430)	yes (N = 385)
mcc w04	yes (N = 391)	yes (N = 334)
mcc w05	yes (N = 325)	yes (N = 289)
mcc w06	yes (N = 303)	no

Which variables are available for requesting?

Other Parent:

My Child - Empathy: Total mean score.

Primary Parent:

My Child - Empathy: Total mean score.

MyChild - Guilt

General Information

Description:

The MyChild questionnaire is aimed to measure conscience / internalized compliance and consists of 100 items over 10 different subscales. Within L-CID,3 subscales are measured: Empathy,Guilt and Internalized Conduct. The MyChild - Guilt subscale consists of 18 items that assess a child's tendencies to feel guilt according to their parent(s).

Reference:

Measure type: questionnaires

Measure category: social competence

Respondent(s): primary parent, other parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent					✓	✓		✓		✓	✓	✓		✓
other parent					✓	✓		✓		✓	✓	✓		

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

MyChild - Internalized Conduct

General Information

Description:

The MyChild questionnaire is aimed to measure conscience / internalized compliance and consists of 100 items over 10 different subscales. Within L-CID, 3 subscales are measured: Empathy,Guilt and Internalized Conduct. The MyChild - Internalized Conduct subscale consists of 15 items that assess a child's tendencies for internalized conduct according to their parent(s).

Reference:

Measure type: questionnaires

Measure category: social competence

Respondent(s): primary parent, other parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent				✓				✓		✓				
other parent				✓				✓		✓				

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Olweus Bully/Victim Questionnaire (OBVQ)

General Information

Description:

The Olweus Bully/Victim Questionnaire (OBVQ) consists of 10 items with 2 subscales (Victim and Bully) that bullying behaviors and victimization experiences of the child. Within L-CID,all items are used.

Reference: Olweus, D. (1991). The revised Olweus bully/victim questionnaire. Bergen: Research Center for Health Promotion, University of Bergen.

Measure type: questionnaires

Measure category: social competence

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child								✓	✓	✓	✓			✓

Scoring

Items 1,3, 4,6, 8,9 are scored on a five-point scale from 1 ('never') to 5 ('several times a week'). Items 2 and 7 are scored on a five-point-scale from 1 ('never') to 5 ('five times or more'). Items 5 and 10 are scored on a 4-point scale from 1 ('no') to 4 '(yes, frequently'). The total score of each of the subscales can be calculated by creating a mean score of the items of the corresponding subscale.

Data availability

Number of files available: 5 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
mcc w01	yes (N = 471)
mcc w02	yes (N = 453)
mcc w03	yes (N = 416)
mcc w04	yes (N = 361)
mcc w06	yes (N = 242)

Which variables are available for requesting?

Child:

Olweus Bully/Victim Questionnaire - Victim: Total mean score.

Olweus Bully/Victim Questionnaire - Bully: Total mean score.

Example items

Child:

Olweus Bully/Victim Questionnaire - Bully Q8: How many times did you bully other children last year?

Olweus Bully/Victim Questionnaire - Bully Q6: How often have you been involved in bullying?

Olweus Bully/Victim Questionnaire - Victim Q5: How often do children say mean things to you?

Olweus Bully/Victim Questionnaire - Victim Q1: How often have other children bullied you?

Olweus Bully/Victim Questionnaire - Victim Q3: How often have you been bullied last year?

Online Acts Questionnaire

General Information

Description:

The Online Acts Questionnaire consists of 16 items that assess online behavior of the children.

Reference:

Measure type: questionnaires

Measure category: additional measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child														✓

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Out of School Activities Questionnaire

General Information

Description:

The Out of School Activities Questionnaire consists of 14 items that assess out-of-school activities of the children,e.g,dance,music,sports. It asks about type,frequency and duration.

Reference:

Measure type: questionnaires

Measure category: additional measures

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent														✓

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Pandemic Questionnaire

General Information

Description:

The Pandemic Questionnaire is aimed to measure COVID-symptoms,COVID-related behaviors and feelings. The parent report consists of 4 questions,the child report consists of 22 questions. Additionally,both the parent and child report consist of 3 open questions.

Reference:

Measure type: questionnaires

Measure category: additional measures

Respondent(s): primary parent, other parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent						✓						✓		
other parent						✓						✓		
child												✓		

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Parenting Attitudes Questionnaire (PAQ)

General Information

Description:

The Parenting Attitudes Questionnaire (PAQ) consists of 20 items that assess a parent's attitudes about parenting styles,trough two subscales: attitudes toward sensitivity (9 items) and attitudes toward sensitive discipline (10 items) all of which are used within L-CID. During the Parenting Attitudes Questionnaire,parents also fill out 1 Wildman item.

Reference:

Measure type: questionnaires

Measure category: parenting

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓	✓	✓	✓	✓			✓	✓	✓				✓

Scoring

Items are scored on a slider ranging from 0 ("completely disagree") to 100 ("completely agree"). The Sensitivity and Sensitive Discipline subscale scores can be calculated by summing the items and dividing the score by the number of items that were filled in, taking into account the items that should be reverse coded, i.e., all Discipline items and item 12 of the Sensitivity scale. A total sensitivity score can be calculated by creating a mean score of all items.

Example items

Primary Parent:

Parenting Attitudes Questionnaire, Sensitivity Q17: Even if your child is content, it is important to play together.

Parenting Attitudes Questionnaire, Sensitivity Q19: I believe that I should praise my child at least once a day.

RR - Parenting Attitudes Questionnaire, Discipline Q7: Reverse coded, 0 - 100 to 100 - 0.

Parenting Attitudes Questionnaire, Discipline Q3: If very young children do something that isn't allowed, explaining is pointless.

RR - Parenting Attitudes Questionnaire, Discipline Q6: Reverse coded, 0 - 100 to 100 - 0.

Data availability

Number of files available: 9 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent
	available (N)
ecc w01	yes (N = 446)
ecc w02	yes (N = 396)
ecc w03	yes (N = 348)
ecc w04	yes (N = 354)
ecc w05	yes (N = 340)
mcc w01	yes (N = 462)
mcc w02	yes (N = 484)
mcc w03	yes (N = 408)
mcc w06	yes (N = 294)

Which variables are available for requesting?

Primary Parent:

Parenting Attitudes Questionnaire, Sensitivity: Total mean score.

Parenting Attitudes Questionnaire, Discipline: Total mean score.

Parenting Attitudes Questionnaire: Total mean score.

Participation

General Information

Description:

Participation contains information about participation of participants during each wave. It includes information about drop out number and reasons.

Reference:

Measure type: questionnaires

Measure category: additional measures

Respondent(s): ra

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
ra	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓

Scoring

Example items

Ra:

Visit Wave 1: If no visit in wave 1, what was the reason?

VIPP, Dropout: Did the family drop-out of the intervention?

VIPP, Dummy Dropout: Did the family drop-out of the dummy intervention?

Dropout: Before which wave did the family drop-out?

Data availability

Number of files available: 12 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	researcher
	available (N)
ecc w01	yes (N = 404)
ecc w02	yes (N = 404)
ecc w03	yes (N = 404)
ecc w04	yes (N = 404)
ecc w05	yes (N = 404)
ecc w06	yes (N = 404)
mcc w01	yes (N = 486)
mcc w02	yes (N = 486)
mcc w03	yes (N = 486)
mcc w04	yes (N = 486)
mcc w05	yes (N = 486)
mcc w06	yes (N = 486)

Which variables are available for requesting?

Ra:

Dropout: Did the familiy drop-out during any of the (plus subsequent) waves?

Dropout: Before which wave did the family drop-out?

VIPP, Dropout: Did the family drop-out of the intervention?

VIPP, Dummy Dropout: Did the family drop-out of the dummy intervention?

VIPP, Condition: Was the family assigned to the intervention (1), control group (2), or the pseudo control group (3)?

Participation Wave 1: Did the family participate in any way in wave 1?

Participation Wave 1: If no participation in wave 1, what was the reason?

Visit Wave 1: Did the family participate in a home visit in wave 1?

Visit Wave 1: If no visit in wave 1, what was the reason?

Prosocial Cyberball Game (PCG) - Owl task

General Information

Description:

The Prosocial Cyberball Game (PCG) - Owl task is an age-appropriate (3-7 yo) version of the Cyberball Task. It measures prosocial behavior in early childhood,by giving the child an opportunity to help a socially-excluded owl in a frisbee game.

Reference:

Measure type: behavioral measures

Measure category: social competence

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child	✓	✓	✓	✓										

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Prosocial Cyberball Game (PCG) - Stories

General Information

Description:

The Prosocial Cyberball Game (PCG) - Stories is a story based version of the PCG which measures prosocial behavior by asking children if and how they would help a socially excluded child.

Reference:

Measure type: behavioral measures

Measure category: social competence

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child									✓		✓			✓

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Prosocial Cyberball Game (PCG)

General Information

Description:

The Prosocial Cyberball Game (PCG) measures prosocial behavior by giving a child the opportunity to help a socially-excluded child in a ball throwing game. In the game, children play a (digital) ball-tossing game with peers. In the first block of the game, all children typically receive the ball an equal amount of time. In the second block of the game, one of the peers is systematically ignored by the other peers (never receives the ball). Participants have the option to show empathy by throwing the ball to the ignored player more often.

Reference:

Measure type: behavioral measures

Measure category: social competence

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child					✓			✓		✓		✓		

Scoring

For each block, the raw number of throws and percentage of throws to player 1, 2, and 3 were computed. Additionally, the difference in PCG percentage tosses to excluded player 2 in the exclusion blocks (two exclusion blocks were first averaged) and inclusion block was measured. A higher PCG difference score indicates more prosociality.

Example items

Child:

Prosocial Cyberball Task - Exclusion Block 2: Raw number of throws to player 3.

Prosocial Cyberball Task - Exclusion Block 1: Raw number of throws to player 1.

Prosocial Cyberball Task - Inclusion Block: Raw number of throws to player 3.

Prosocial Cyberball Task - Exclusion Block 1: Raw number of throws to player 3.

Prosocial Cyberball Task - Exclusion Block 1: Percentage of throws to player 1.

Data availability

Number of files available: 3 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
mcc w01	yes (N = 512)
mcc w03	yes (N = 456)
mcc w05	yes (N = 335)

Which variables are available for requesting?

Child:

Prosocial Cyberball Task: Prosocial score (difference in PCG percentage tosses to player 2 in the exclusion blocks and inclusion block).

Pubertal Developmental Scale (PDS)

General Information

Description:

The Pubertal Developmental Scale (PDS) consists of 8 items,which differ for boys and girls,that are aimed to assess the stage of puberty children are in. Within L-CID, all items are used.

Reference:

Measure type: questionnaires

Measure category: neurobiological and physiological measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child										✓	✓	✓		✓

Scoring

Items are scored on a five-point scale. Responses are scored on 4-point scales (1 = no development and 4 = completed development). For girls, a yes-no question about onset of menarche is weighted more heavily (1 = no and 4 = yes). For both genders, ratings are then averaged to create an overall score for physical maturation. Within LCID, there is an additional 5th option with the label "I don't know". These scores are not taken into account when creating a total score.

Example items

Child:

Pubertal Developmental Scale, Q3: Have you noticed any skin changes, especially pimples?

Pubertal Developmental Scale, Q5 - Girls: Did you already get your period? If so, how old were you when you first got your period?

Pubertal Developmental Scale, Q1: My body growth has gone through a 'spurt' (you've suddenly become a lot taller).

Pubertal Developmental Scale, Q4 - Girls: Have your breasts begun to grow?

Pubertal Developmental Scale, Q2: Do you already have body hair (such as hair under your arms)?

Data availability

Number of files available: 4 .json and .tsv files.

Available: yes, in 2027.

For which waves and respondents is data available?

	child
	available (N)
mcc w03	yes (N = 453)
mcc w04	yes (N = 399)
mcc w05	yes (N = 295)
mcc w06	yes (N = 280)

Which variables are available for requesting?

Child:

Pubertal Developmental Scale: Total mean score.

Parenting Practices Questionnaire - Warmth/Involvement (PPQ-WI)

General Information

Description:

The Parenting Practices Questionnaire (PPQ) consists of 62 items that assess parenting style by asking the child about their parents' behavior. Within L-CID,11 items from the warmth/involvement subscale are used.

Reference:

Measure type: questionnaires

Measure category: parenting

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child						✓								

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Previous Parenting Support (PPS)

General Information

Description:

The Previous Parenting Support (PPA) questionnaire (Opvoedhulp vragenlijst) is a self-developed questionnaire consisting of 7 main items that,depending on the response,consist of 4-5 sub-items about previous support that parents have sought in raising their children.

Reference:

Measure type: questionnaires

Measure category: parenting

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent			✓							✓				

Scoring

Example items

Child:

WPPSI-III, Similarities: Normalized score (M = 10, SD = 3).

WPPSI-III: Estimated Verbal IQ based on the Similarities subtest.

WPPSI-III: Total estimated IQ based on the Similiarities subtest in wave 3 and Picture Completion subtest in wave 4.

WPPSI-III: Research assistant who adminstered the task.

WPPSI-III, Similarities: Z score of normalized score.

Data availability

Number of files available: 2 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

Child:

WPPSI-III: Estimated Verbal IQ based on the Similarities subtest.

WPPSI-III: Total estimated IQ based on the Similiarities subtest in wave 3 and Picture Completion subtest in wave 4.

Pregnancy and Birth

General Information

Description:

The Pregnancy and Birth questionnaire consists of 13 items that assess the pregnancy course,duration and outcome of the pregnancy.

Reference:

Measure type: questionnaires

Measure category: family background measures

Respondent(s): primary parent, other parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓							✓						
other parent	✓							✓						

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Parenting Scale (PS)

General Information

Description:

The Parenting Scale (PS) consists of 30 items. Within L-CID,22-25 items from the Laxness and Overreactivity subscales are used about parent's behavior and opinion about lax and aggressive behavior of the parent in raising their children. Within the L-CID COVID waves,10 items are used. In the child report,11 items are used in wave ecc ses-w06,and 22 items (11 about each parent) are used in wave mcc ses-w05c.

Reference:

Measure type: questionnaires

Measure category: parenting

Respondent(s): primary parent, other parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent				✓	✓	✓				✓	✓	✓		✓
other parent						✓						✓		
child						✓						✓		

Scoring

Each items receives a score from 1 to 7, where 7 is the 'ineffective' end of the item. In LCID, items 6,7,10, and 11 from the Lax scale and items 1 to 6 from the Overreactivity scale should be reverse coded. During the covid waves, items 1,3,4, and 6 from the Overreactivity scale should be reverse coded. For the child report, items 3, 6, and 13 should be reverse coded. To compute the total score, average the responses on all items. A low score indicates good parenting and a high score indicates dysfunctional parenting. To calculate a subscale score, average the responses on all corresponding items.

Example items

Primary Parent | Other Parent:

Brief Symptom Inventory - Hostility Q5: Uncontrollable burst of anger.

Brief Symptom Inventory - Anxiety Q20: Feeling so restless that you cannot sit still.

Brief Symptom Inventory - Anxiety Q1: Nervousness or shaking inside.

Brief Symptom Inventory - Anxiety Q14: Feeling tense.

Brief Symptom Inventory - Hostility Q2: Easily becoming bored or feeling irritable.

Child:

Cheating - Ball Throwing: Amount of balls on the dart board registered bij the Research Assistant (RA) after the child finished the task.

Cheating - Ball Throwing: Attempt made by the child to get in contact with the Research Assistant (RA) during the task.

Cheating - Ball Throwing: Cheating category (1 to 3) the child was assigned to.

Cheating - Ball Throwing: Ways of cheating that were observed.

Cheating - Ball Throwing: Notes made by the Research Assistant (RA) about task performance etc. during the task.

Primary Parent & Child:

Sensitive Discipline - Don't: Coder of the interaction.

RR - Sensitive Discipline - Don't, Laxness of the parent: Reverse coded, 1 - 5 to 5 - 1.

Sensitive Discipline - Don't: Supportive Presence of the parent.

Sensitive Discipline - Don't: Laxness of the parent.

Sensitive Discipline - Don't: Remarks made by the coder.

Ra:

Visual Analogue Scale, Fun moment 2 (before real scanner: How much fun do you think the child thinks it is to go into the scanner?

Visual Analogue Scale, Anxious moment 2 (before real scanner): How anxious do you think the child is to go into the scanner?

Visual Analogue Scale, Anxious moment 1 (before mock scanner): How anxious do you think the child is to go into the scanner?

Visual Analogue Scale, Fun moment 1 (before mock scanner): How much fun do you think the child thinks it is to go into the scanner?

Visual Analogue Scale: Remarks.

Data availability

Number of files available: 420 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent	other parent	child
	available (N)	available (N)	available (N)
ecc w04	yes (N = 356)	no	no
ecc w05	yes (N = 313)	no	no
ecc w06	yes (N = 340)	no	yes (N = 358)
ecc w06c	yes (N = 182)	yes (N = 32)	no
mcc w03	yes (N = 399)	no	no
mcc w04	yes (N = 391)	no	no
mcc w05	yes (N = 324)	no	no
mcc w05c	yes (N = 206)	yes (N = 94)	yes (N = 149)
mcc w06	yes (N = 302)	no	no

Which variables are available for requesting?

Other Parent:

Brief Symptom Inventory - Anxiety: Total mean score.

Brief Symptom Inventory - Hostility: Total mean score.

Brief Symptom Inventory - Depression: Total mean score.

Brief Symptom Inventory - Interpersonal sensitivity: Total mean score.

Primary Parent:

Brief Symptom Inventory - Anxiety: Total mean score.

Brief Symptom Inventory - Hostility: Total mean score.

Brief Symptom Inventory - Depression: Total mean score.

Brief Symptom Inventory - Interpersonal sensitivity: Total mean score.

Child:

Cheating - Ball Throwing: Cheating category (1 to 3) the child was assigned to.

Cheating - Ball Throwing: Ways of cheating that were observed.

Primary Parent & Child:

Sensitive Discipline - Don't: Physical Interference of the parent.

Sensitive Discipline - Don't: Supportive Presence of the parent.

RR - Sensitive Discipline - Don't, Physical Interference of the parent: Reverse coded, 1 - 5 to 5 - 1.

Sensitivity - Don't: Total mean sensitivity score.

Ra:

Visual Analogue Scale, Fun moment 1 (before mock scanner): How much fun do you think the child thinks it is to go into the scanner?

Visual Analogue Scale, Fun moment 2 (before real scanner: How much fun do you think the child thinks it is to go into the scanner?

Visual Analogue Scale, Fun moment 3 (after the scanner): How much fun did you think the child thinks it was to go into the scanner?

Visual Analogue Scale, Anxious moment 1 (before mock scanner): How anxious do you think the child is to go into the scanner?

Visual Analogue Scale, Anxious moment 2 (before real scanner): How anxious do you think the child is to go into the scanner?

Visual Analogue Scale, Anxious moment 3 (after the scanner): How anxious do you think the child was inside the scanner?

Perceived Stress Scale (PSS)

General Information

Description:

The Perceived Stress Scale (PSS) consists of 14 items,10 of which are used in the L-CID COVID wave. It measures feelings of stress and anxiety in the past two weeks.

Reference: Cohen, S., Kamarck, T., & Mermelstein, R. (1983). A global measure of perceived stress. Journal of health and social behavior, 385-396.

Measure type: questionnaires

Measure category: additional measures

Respondent(s): primary parent, other parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent						✓						✓		
other parent						✓						✓		
child												✓		✓

Scoring

The items are scored on a five-point scale from 0 ("(almost) never") to 4 (" (almost always"). The total Perceived Stress score can be calculated by summing the scores for each item, while taking into account the items that should be reverse coded (4,5,7, and 8). Scores ranging from 0-13 would be considered low stress, scores ranging from 14-26 would be considered moderate stress, scores ranging from 27-40 would be considered high perceived stress. ! Note that item 7 was not reverse ccoded in the LCID-data as item 7 was not translated properly from English to Dutch (ENG: How often have you been able to control irritations in your life?, NL: Hoe vaak heeft u uw ergernissen moeten inhouden? = How often have you had to hold back your annoyances?), which caused item 7 to not be as positively framed as the original item and the reverse coding might not be completely accurate.

Example items

Primary Parent | Other Parent:

Perceived Stress Scale, Q4: Reverse coded.

Perceived Stress Scale, Q9: How often have you been angered because of things that happened that were outside of your control?

Perceived Stress Scale, Q7: How often have you had to hold back your annoyances?

Perceived Stress Scale, Q10: How often have you felt work was piling up so high that you could not overcome them?

Perceived Stress Scale, Q5: Reverse coded.

Child:

Perceived Stress Scale, Q3: How often have you felt nervous and 'stressed'?

Perceived Stress Scale, Q5: Reverse coded.

Perceived Stress Scale, Q8: Reverse coded.

Perceived Stress Scale, Q2: How often have you felt that you were unable to control all the things in your life?

Perceived Stress Scale, Q1: How often have you been upset because of something that happened unexpectedly?

Data availability

Number of files available: 6 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent	other parent	child
	available (N)	available (N)	available (N)
ecc w06c	yes (N = 190)	yes (N = 32)	no
mcc w05c	yes (N = 212)	yes (N = 94)	yes (N = 151)
mcc w06	no	no	yes (N = 278)

Which variables are available for requesting?

Primary Parent:

Perceived Stress Scale: Total score.

Other Parent:

Perceived Stress Scale: Total score.

Child:

Perceived Stress Scale: Total score.

Reading Ability Task

General Information

Description:

The Reading Ability task is used to assess reading ability by letting children read separate words from a list.

Reference: Krom, R., Jongen, I., Verhelst, N., Kamphuis, F., & Kleintjes, F. (2010). Wetenschappelijke verantwoording DMT en AVI. [Scientific account DMT and AVI]. Arnhem: Cito.

Measure type: cognitive measures

Measure category: additional measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child					✓				✓					

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Questionnaire Home Environment - Daily Routines

General Information

Description:

The Routines questionnaire consists of 44-76 items (including sub questions) that assess family routines in terms of sleep,eating,care,media and work. Some questions are based on the Jensen et al.,(1983) Family Routines Inventory,some sleep questions are based on Staples et al. (2015) bedtime routines. Other items are self-developed. During wave 6 of the early childhood cohort and wave 5 and 6 of the middle childhood cohort,no media questions were asked.

Reference:

Measure type: questionnaires

Measure category: environmental factors

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓

Scoring

Scoring differs between and within subparts of the Routine Questionnaire. Most categorical items, however, are scored on a two-point scale from 0 ("no") to 1 ("yes"). A total score cannot be created due to the dissimilarities between items.

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 12 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent
	available (N)
ecc w01	yes (N = 442)
ecc w02	yes (N = 392)
ecc w03	yes (N = 344)
ecc w04	yes (N = 390)
ecc w05	yes (N = 320)
ecc w06	yes (N = 332)
mcc w01	yes (N = 452)
mcc w02	yes (N = 478)
mcc w03	yes (N = 440)
mcc w04	yes (N = 388)
mcc w05	yes (N = 328)
mcc w06	yes (N = 298)

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Saliva sample - Cortisol

General Information

Description:

The saliva sample is used to measure cortisol. Over the course of the two weekdays (first two days of data collection), parents collected saliva samples from their children at three time-points (after awakening,between 16:00 and 18:00 and 30 min after dinner). During year 3 of the Early Childhood Cohort, the saliva was collected by a cheek swab. During the other years, it was collected by requiring the children to spit into a small tube (passive drooling). Parents were asked to store the saliva in the freezer. Once collected,saliva samples were stored at −20° Celsius at the university until they were sent to the laboratory of the University Trier for cortisol analyses.

Reference:

Measure type: physiological measures

Measure category: neurobiological and physiological measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child			✓		✓			✓		✓		✓		

Scoring

Mean cortisol in nmol/l was reported for every measurement moment. Additionally, mean cortisol levels in nmol/l were reported for the two days together for each moment in the day (i.e., morning, afternoon, evening).

Example items

Child:

Saliva, Mean cortisol in nmol/l: Mean over 2 days, measurement 3

Saliva, Comments by lab: Day 1, measurement 1

Saliva, Mean cortisol in nmol/l: Day 1, measurement 2

Saliva, Comments by lab: Day 1, measurement 2

Saliva, Comments by lab: Day 2, measurement 1

Data availability

Number of files available: 4 .json and .tsv files.

Available: yes, in 2027.

For which waves and respondents is data available?

	child
	available (N)
ecc w03	yes (N = 350)
ecc w05	yes (N = 309)
mcc w01	yes (N = 485)
mcc w03	yes (N = 344)

Which variables are available for requesting?

Child:

Saliva, Mean cortisol in nmol/l: Mean over 2 days, measurement 1

Saliva, Mean cortisol in nmol/l: Mean over 2 days, measurement 2

Saliva, Mean cortisol in nmol/l: Mean over 2 days, measurement 3

Saliva sample - Dehydroepiandrosterone (DHEA)

General Information

Description:

The saliva sample of passive drool is used to measure dehydroepiandrosterone (DHEA). Over the course of the two weekdays (first two days of data collection), parents collected saliva samples from their children at three time-points (after awakening,between 16:00 and 18:00 and 30 min after dinner).The saliva was collected by requiring the children to spit into a small tube (passive drooling). Parents were asked to store the saliva in the freezer. Once collected,saliva samples were stored at −20° Celsius at the university. To assess DHEA-levels, only one evening-sample was analyzed.

Reference:

Measure type: physiological measures

Measure category: neurobiological and physiological measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child			✓		✓			✓		✓		✓		

Scoring

The dehydroepiandrosterone is reported in picograms per milliliter (pg/ml). Additionally, the coefficient of variation is reported.

Example items

Child:

Saliva dhea in pg/ml: DHEA

Saliva dhea: cv

Saliva dhea: Comments

Data availability

Number of files available: 4 .json and .tsv files.

Available: yes, in 2027.

For which waves and respondents is data available?

	child
	available (N)
ecc w05	yes (N = 304)
mcc w01	yes (N = 484)
mcc w03	yes (N = 310)
mcc w05	yes (N = 105)

Which variables are available for requesting?

Child:

Saliva dhea in pg/ml: DHEA

Saliva dhea: cv

Saliva sample - Testosterone

General Information

Description:

The saliva sample of passive drool is used to measure testosterone. Over the course of the two weekdays (first two days of data collection),parents collected saliva samples from their children at three time-points (after awakening,between 16:00 and 18:00 and 30 min after dinner).The saliva was collected by requiring the children to spit into a small tube (passive drooling). Parents were asked to store the saliva in the freezer. Once collected,saliva samples were stored at −20° Celsius at the university.

Reference:

Measure type: physiological measures

Measure category: neurobiological and physiological measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child			✓		✓			✓		✓		✓		

Scoring

The testosterone for each of the two measurements and the mean testosterone over two measurements is reported in picograms per milliliter (pg/ml). Additionally, the coefficient of variation is reported.

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Sally-Ann Task

General Information

Description:

The Sally-Ann Task is aimed to measure the child's ability for Theory of Mind by asking them in which basket they think Sally will look for her ball,after Anne moved the ball from one basket into another while Sally was away.

Reference: Baron-Cohen, S., Tager-Flusberg, H., & Cohen, D. (1993). Understanding other minds: perspectives from autism.Oxford: Oxford University Press.

Measure type: behavioral measures

Measure category: social competence

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child	✓	✓	✓	✓										

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Secure Base Script Task (SBS)

General Information

Description:

The Secure Base Script Task (SBS) is aimed to measure one's secure base script/attachment representations by giving the participant a list of words with which they have to create a coherent story.

Reference:

Measure type: interview

Measure category: parenting

Respondent(s): primary parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent		✓	✓						✓	✓				
child						✓				✓				

Scoring

Parents' narratives were audio-recorded and subsequently transcribed. The transcripts were scored on a 7-point rating scale to summarize the amount of parental use of elements of a secure base script. Narratives that contained extensive secure base script
with detailed elaborations received the highest scores (6-7), Narratives that contained elements of the secure base script but fell short in elaboration received moderately high scores (4-5), narratives that were event-focused and contained no evidence of the secure base script received a moderately low score (3), narratives with unusual or atypical content as well as narratives that seem disjointed received the lowest scores (1-2). For each narrative we averaged the scores assigned by the two coders. Scores of the three stories were averaged into an overall score indicating parental knowledge of the secure base script.

Example items

Primary Parent:

Secure Base Script: Coder 1, Story 2 - Difficulty.

Secure Base Script: Coder 1, Story 3 - Notes.

Secure Base Script: Coder 1, Story 3.

Secure Base Script: Coder 1, Story 2.

Secure Base Script: Coder 2, Story 1 - Score.

Child:

Secure Base Script: Coder 1, Story 3 - Notes.

Secure Base Script: Coder 1, Story 2.

Secure Base Script: Coder 2, Story 1.

Secure Base Script: Coder 1, Story 1.

Secure Base Script: Coder 1, Story 1 - Difficulty.

Data availability

Number of files available: 6 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent	child
	available (N)	available (N)
ecc w02	yes (N = 414)	no
ecc w03	yes (N = 392)	no
ecc w06	no	yes (N = 203)
mcc w02	yes (N = 492)	no
mcc w03	yes (N = 428)	yes (N = 354)

Which variables are available for requesting?

Primary Parent:

Secure Base Script: Total score.

Child:

Secure Base Script: Total score.

School Questionnaire

General Information

Description:

The School Questionnaire consists of 8 items about school-going of the children: 1. Do child 1 and child 2 go to school together? 2. Are child 1 and child 2 in the same class? 3. Was this choice made by you or by the school of child 1 and child 2? 4. Did child 1 and child 2 go to the same school in previous years? 5. Were child 1 and child 2 in the same class in previous years? 6. What kind of school do child 1 and child 2 go to? 7. In which group/class are child 1 and child 2? 8. What level of education do child 1 and child 2 have?

Reference:

Measure type: questionnaires

Measure category: additional measures

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent			✓		✓	✓				✓	✓	✓		✓

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Skin Conductance - Cheating Task

General Information

Description:

The Skin Conductance - Cheating Task measures skin conductance during the Cheating Task, in which the child is given an opportunity to cheat during a game.

Reference:

Measure type: physiological measures

Measure category: neurobiological and physiological measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child								✓						

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Strength and Difficulties Questionnaire (SDQ)

General Information

Description:

The Strength and Difficulties Questionnaire (SDQ) consists of 25 items that assess problems in several areas through 5 subscales: Prosocial,Hyperactivity,Conduct problems,Peer problems,Emotional problems. Within L-CID,all items and subscales are used,with the exception of the L-CID COVID wave,in which only 15 items are used.

Reference:

Measure type: questionnaires

Measure category: social competence

Respondent(s): primary parent, other parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓
other parent	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		
child												✓		✓

Scoring

Items are scored on a 3-point scale from 0 ("not true") to 2 ("certainly true"). The total score of each of the subscales can be calculated by summing the items of the corresponding subscale, taking into account the items that should be reverse coded. Items 7,11,14,21, and 25 are reverse coded. Additionally, the Emotional Problems and Peer Problems subscales can be combined into an Internalizing scale, and the Hyperactivity and Conduct Problems subscales can be combined into an Externalizing scale. A higher score means more psychosocial problems.

Example items

Primary Parent | Other Parent:

Strength and Difficulties Questionnaire - Hyperactivity Q15: My child is easily distracted, struggles to concentrate.

Strength and Difficulties Questionnaire - Prosocial Q9: My child is helpful if someone is hurt, upset or feeling ill.

RR -Strength and Difficulties Questionnaire - Peer problems Q11: Reverse coded, 0 = 2, 1 = 1, 2 = 0.

RR -Strength and Difficulties Questionnaire - Hyperactivity Q25: Reverse coded, 0 = 2, 1 = 1, 2 = 0.

Strength and Difficulties Questionnaire - Hyperactivity Q21: My child thinks things through before acting.

Child:

Strength and Difficulties Questionnaire - Hyperactivity Q10: I am constantly fidgeting or squirming.

Strength and Difficulties Questionnaire - Hyperactivity Q25: I see tasks through to the end, good attention span.

RR -Strength and Difficulties Questionnaire - Hyperactivity Q25: Reverse coded, 0 = 2, 1 = 1, 2 = 0.

Strength and Difficulties Questionnaire - Conduct problems Q7: I am generally obedient, usually do what adults request.

Strength and Difficulties Questionnaire - Emotional problems Q8: I often worry about things.

Data availability

Number of files available: 29 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent	other parent	child
	available (N)	available (N)	available (N)
ecc w01	yes (N = 442)	yes (N = 390)	no
ecc w02	yes (N = 395)	yes (N = 338)	no
ecc w03	yes (N = 352)	yes (N = 310)	no
ecc w04	yes (N = 358)	yes (N = 292)	no
ecc w05	yes (N = 354)	yes (N = 280)	no
ecc w06	yes (N = 342)	yes (N = 256)	no
ecc w06c	yes (N = 184)	yes (N = 32)	no
mcc w01	yes (N = 456)	yes (N = 409)	no
mcc w02	yes (N = 488)	yes (N = 409)	no
mcc w03	yes (N = 414)	yes (N = 374)	no
mcc w04	yes (N = 391)	yes (N = 338)	no
mcc w05	yes (N = 325)	yes (N = 290)	yes (N = 334)
mcc w05c	yes (N = 209)	yes (N = 94)	no
mcc w06	yes (N = 303)	no	yes (N = 289)

Which variables are available for requesting?

Other Parent:

Strength and Difficulties Questionnaire - Prosocial: Total mean score.

Strength and Difficulties Questionnaire - Hyperactivity: Total mean score.

Strength and Difficulties Questionnaire - Emotional problems: Total mean score.

Strength and Difficulties Questionnaire - Conduct problems: Total mean score.

Strength and Difficulties Questionnaire - Peer problems: Total mean score.

Primary Parent:

Strength and Difficulties Questionnaire - Prosocial: Total mean score.

Strength and Difficulties Questionnaire - Hyperactivity: Total mean score.

Strength and Difficulties Questionnaire - Emotional problems: Total mean score.

Strength and Difficulties Questionnaire - Conduct problems: Total mean score.

Strength and Difficulties Questionnaire - Peer problems: Total mean score.

Child:

Strength and Difficulties Questionnaire - Prosocial: Total mean score.

Strength and Difficulties Questionnaire - Hyperactivity: Total mean score.

Strength and Difficulties Questionnaire - Emotional problems: Total mean score.

Strength and Difficulties Questionnaire - Conduct problems: Total mean score.

Strength and Difficulties Questionnaire - Peer problems: Total mean score.

Self-concept Task

General Information

Description:

The Self-Concept Tasked is aimed to measure a child's self-concept by asking them whether certain negative and positive traits fit them.

Reference:

Measure type: behavioral measures

Measure category: social competence

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child					✓									

Scoring

Participants are scored on both number and percentage of 'yes' and 'no' answers to positive and negative, and academic and social domain characteristics. Additionally, positive academic total score and positive social total score are created by using the following formula: ((100-perc_yes_ac/soc_neg) + (perc_yes_ac/soc_pos)) / 2).

Example items

Child:

Self-concept Task: Possible notes about the Self task (in MRI scanner or on laptop).

Self-concept Task: Reaction times on academic negative domain trials.

Self-concept Task: Reaction times on social positive domain trials.

Self-concept Task: Number of yes answers to control trials.

Self-concept Task: Number of no answers to control trials.

Data availability

Number of files available: 1 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
ecc w05	yes (N = 359)

Which variables are available for requesting?

Child:

Self-concept Task: Percentage of positivity in acadamic domain with formula = ((100-perc_yes_ac_neg) + (perc_yes_ac_pos)) / 2).

Self-concept Task: Percentage of positivity in social domain with formula =((100-perc_yes_soc_neg) + (perc_yes_soc_pos)) / 2).

Social Emotional Questionnaire (SEQ)

General Information

Description:

The Social Emotional Questionnaire (SEQ; Sociaal Emotionele Vragenlijst [SEV]) consists of 72 items and 10 subscales that assess social-emotional problems of the child. Within L-CID,all items and subscales are used.

Reference: Scholte, E.M., & Ploeg, J.D. Van der (2007). Handleiding Sociaal Emotionele Vragenlijst (SEV). Houten: Bohn Stafleu Van Loghum

Measure type: questionnaires

Measure category: social competence

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent												✓		✓

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Social Emotional Vignettes (SEV)

General Information

Description:

The Social Emotional Vignettes questionnaire (SEV; original name: Brief Shame and Guilt Questionnaire) consists of 12 items and 2 subscales (Shame and Guilt) that assess feelings of shame and guilt in imaginary situations. Within L-CID,all items and subscales are used.

Reference:

Measure type: questionnaires

Measure category: social competence

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child										✓	✓			

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Sleep patterns - Actigraph

General Information

Description:

The Actigraph (Motionlogger) is used to determine the sleep patterns of the child during the night. The children wore these devices on four consecutive nights,first two weeknights and then two weekend nights.

Reference:

Measure type: physiological measures

Measure category: neurobiological and physiological measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child	✓	✓	✓		✓	✓		✓	✓	✓		✓		

Scoring

For each of the nights, the following is calculated:
- mean activity score (counts/epoch)
- median activity score (counts/epoch)
- SD of mean activity score (counts/epoch)
- total minutes scored as awake (counts/epoch)
- percentage minutes scored as sleep (100*(sleep/duration))
- sleep efficiency (100*sleep minutes/0-0 duration)
- sleep onset latency
- wake after sleep onset
- acceleration index change
- activity index percent epochs with >0 activity score
- sleep fragmentation index (# of awakenings/total sleep time in minutes * 100)
- brief wake ratio (# of awakenings <= 1 minute/total wakes)
- short burst inactivity index (# zero activity of 1 min duration/# zero activity of any duration)
- wake episodes (# of blocks of contiguous wake epochs)
- mean duration of wake episodes in minutes
- long wake episodes (>= 5 minutes)
- duration of longest wake episode
- sleep episodes (# of blocks of contiguous sleep epochs)
- mean duration of sleep episodes in minutes
- long sleep episodes (>= 5 minutes)
- duration of longest sleep episode
- start time oo-interval
- end time oo-interval
- midpoint time oo-interval
- duration oo-interval
- start time down-interval
- end time down-interval
- midpoint down oo-interval
- duration down-interval

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 2 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
ecc w01	yes (N = 397)
ecc w02	yes (N = 412)
ecc w03	yes (N = 387)
ecc w05	yes (N = 309)
mcc w01	yes (N = 506)
mcc w02	yes (N = 480)
mcc w03	yes (N = 352)

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Sleep Routines Questionnaire

General Information

Description:

The Sleep Routines Questionnaire consists of 21 items that assess the sleep routine of the children (e.g.,at what time do the children go to bed,how long do they sleep,etc.).

Reference:

Measure type: questionnaires

Measure category: additional measures

Respondent(s): primary parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent														✓
child														✓

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Social Media Questionnaire

General Information

Description:

The Social Media Questionnaire parent report consists of 42 items,with A,B,C,and D subscales,that measure social media use,rules and attitudes of the children. The child report consists of 35 items,with A,B,and C subscales,about social media use,rules and attitudes of the children.

Reference:

Measure type: questionnaires

Measure category: additional measures

Respondent(s): primary parent, other parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent						✓						✓		✓
other parent						✓						✓		
child						✓						✓		✓

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Social Network Aggression Task (SNAT) - Early Childhood

General Information

Description:

The Social Network Aggression Task (SNAT) - Early Chilhood is an age-appropriate version of the Social Network Aggression Task. It is aimed to measure behavioral aggression following negative social feedback by giving the child an opportunity to respond aggressively in response to different types of peers.

Reference:

Measure type: behavioral measures

Measure category: behavioral control

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child		✓	✓											

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Social Network Aggression Task (SNAT) - Stories

General Information

Description:

The Social Network Aggression Task (SNAT) - Stories is a story based version of the SNAT,which measures behavioral aggression following negative social feedback by giving the child an opportunity to respond aggressively in response to different types of peers.

Reference:

Measure type: behavioral measures

Measure category: behavioral control

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child						✓			✓		✓			

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Social Network Aggression Task (SNAT)

General Information

Description:

The Social Network Aggression Task (SNAT) is aimed to measure behavioral aggression following negative social feedback by giving the child an opportunity to respond aggressively in response to different types of peers. Prior to the lab visit, participants filled out a personal profile with questions about their favorite food or sports. During the lab visit, participants were told that unknown, same-aged peers had judged their profile and had provided feedback on whether they liked their profile (positive feedback), disliked their profile (negative feedback) or did not know whether they liked it or not (neutral feedback). Next, in the MRI scanner, participants were presented with pictures of these peers in either a green thumb up (positive feedback), a red thumb down (negative feedback) or a gray circle (neutral feedback). Following this feedback, participants had to imagine they could send a noise blast to the peer that judged them by pressing a button. The noise blast would increase in sound as they continued to press the button for a longer duration. Participants were instructed to always press the button, but to choose the duration of the button press themselves. The SNAT consisted of 60 trials: three blocks of 20 trials, with 20 trials in total for each feedback condition (positive, negative, and neutral).

Reference:

Measure type: behavioral measures

Measure category: behavioral control

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child					✓			✓		✓		✓		

Scoring

A mean noise blast duration and reaction time was computed per feedback condition (positive, neutral, negative; male peers, female peers).

Example items

Child:

Social Network Aggression Task: Number of valid noise blast trials positive feedback

Social Network Aggression Task - Exit questions: What did you think of the reactions with a thumbs down?

Social Network Aggression Task: Noise blast duration positive feedback (in milliseconds)

Social Network Aggression Task: Noise blast duration neutral feedback male peers (in milliseconds)

Social Network Aggression Task: Noise blast duration mean (in milliseconds)

Data availability

Number of files available: 4 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
ecc w05	yes (N = 356)
mcc w01	yes (N = 512)
mcc w03	yes (N = 456)
mcc w05	yes (N = 336)

Which variables are available for requesting?

Child:

Social Network Aggression Task: Noise blast duration positive feedback (in milliseconds)

Social Network Aggression Task: Noise blast duration neutral feedback (in milliseconds)

Social Network Aggression Task: Noise blast duration negative feedback (in milliseconds)

Social Contact Questionnaire

General Information

Description:

The Social Contact Questionnaire consists of 10 items that assess the duration,types and importance of the children's social contacts.

Reference:

Measure type: questionnaires

Measure category: additional measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child														✓

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Social Wellbeing Questionnaire

General Information

Description:

The Social Wellbeing Questionnaire consists of 35 items that assess the social wellbeing of the child (e.g.,happiness) and has been developed based on co-creation with youth,the World Health Organization Quality of Life Scale,and the subscales Social Competence,Close Friendship,and Global Self-Worth from the Self-Perception Profile for Adolescents.

Reference: Harter, S. (2012). Self-perception profile for adolescents: Manual and questionnaires. Denver, CO: Univeristy of Denver, Department of Psychology.

Measure type: questionnaires

Measure category: additional measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child														✓

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Social Responsiveness Scale (SRS)

General Information

Description:

The Social Responsiveness Scale (SRS) consists of 65 items that assess social skills of the child. Within L-CID,18 items from the SRS-short form are used in combination with 3 other items.

Reference: Constantino, J.N. (2002). Social Responsiveness Scale–Adult Version (SRS). Los Angeles, CA: Western PsychologicalServices.

Measure type: questionnaires

Measure category: social competence

Respondent(s): primary parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent					✓					✓	✓			✓

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Stop-Signal Task - Arrows

General Information

Description:

The Stop-Signal Task - Arrows is aimed to measure behavioral inhibition by having the child inhibit their reaction in response to a quickly appearing signal.

Reference:

Measure type: behavioral measures

Measure category: behavioral control

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child					✓	✓		✓	✓	✓	✓	✓		

Scoring

For each of the four block of the game, the percentage of correct Go's and correct No-Go's, the mean and median reaction time of the correct Go's, and the mean stop-signal delay time (ssd) and mean stop-signal reaction time (ssrt) are calculated. Additionally, a total mean score for all the aforementioned scores during the 4 blocks will be calculated.

Example items

Child:

Stop-Signal Task - Arrows: Block 1: Mean Stop-Signal Delay time (SSD).

Stop-Signal Task - Arrows: Block 4: % Correct Go's.

Stop-Signal Task - Arrows: Block 2: % Correct Go's.

Stop-Signal Task - Arrows: Block 4: Mean Stop-Signal Delay time (SSD).

Stop-Signal Task - Arrows: Block 3: % Correct No-Go's.

Data availability

Number of files available: 7 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
ecc w05	yes (N = 347)
ecc w06	yes (N = 347)
mcc w01	yes (N = 512)
mcc w02	yes (N = 488)
mcc w03	yes (N = 456)
mcc w04	yes (N = 396)
mcc w05	yes (N = 336)

Which variables are available for requesting?

Child:

Stop-Signal Task - Arrows: Total % Correct Go's across all 4 blocks.

Stop-Signal Task - Arrows: Total % Correct No-Go's across all 4 blocks.

Stop-Signal Task - Arrows: Total Mean Reaction Time (RT) Correct Go's across all 4 blocks.

Stop-Signal Task - Arrows: Total Median Reaction Time (RT) Correct Go's across all 4 blocks.

Stop-Signal Task - Arrows: Total Mean Stop Signal Delay (SSD) time across all 4 blocks.

Stop-Signal Task - Arrows: Total Mean Stop-Signal Reaction Time (SSRT) across all 4 blocks.

Stop-Signal Task - Cars

General Information

Description:

The Stop-Signal Task - Cars is aimed to measure behavioral inhibition by having the child inhibit their reaction in response to a quickly appearing signal.

Reference:

Measure type: behavioral measures

Measure category: behavioral control

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child	✓	✓	✓	✓										

Scoring

For each of the five blocks of the game, the percentage of correct Go's and correct No-Go's, the mean and median reaction time of the correct Go's, and the mean stop-signal delay time (ssd) and mean and median stop-signal reaction time (ssrt) are calculated. Additionally, a total mean score for all the aforementioned scores during the 5 blocks will be calculated.

Example items

Child:

Stop-Signal Task - Cars: Block 2: % Correct Go's.

Stop-Signal Task - Cars: Correct Go check, did the child react correctly to Go trials at least 72% of the time?

Stop-Signal Task - Cars: Correct No-Go check, did the child inhibit their reaction between 25% and 75% of the stop trials?

Stop-Signal Task - Cars: Block 4: % Correct No-Go's.

Stop-Signal Task - Cars: Remarks check, was the remark in the Remarks Check implemented?

Data availability

Number of files available: 4 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
ecc w01	yes (N = 474)
ecc w02	yes (N = 476)
ecc w03	yes (N = 400)
ecc w04	yes (N = 394)

Which variables are available for requesting?

Child:

Stop-Signal Task - Cars: Total % Correct Go's across all 5 blocks.

Stop-Signal Task - Cars: Total % Correct No-Go's across all blocks.

Stop-Signal Task - Cars: Total Mean Reaction Time (RT) Correct Go's across all 5 blocks.

Stop-Signal Task - Cars: Total Median Reaction Time (RT) Correct Go's across all 5 blocks.

Stop-Signal Task - Cars: Total Mean Stop Signal Delay (SSD) time across all 5 blocks.

Stop-Signal Task - Cars: Total Mean Stop-Signal Reaction Time (SSRT) across all 5 blocks.

Stop-Signal Task - Cars: Total Median Stop-Signal Reaction Time (SSRT) across all 5 blocks.

Temperament in Middle Childhood Questionnaire - Discomfort, Fear, Perceptual sensitivity (TMCQ-DFP)

General Information

Description:

The Temperament in Middle Childhood Questionaire (TMCQ) consists of 42 items that assess temperament and self-regulation through 4 subscales: Discomfort,Perceptual Sensitivity,Effortful Control and Fear. Within L-CID,27 items are used from the Discomfort (how quickly is the child uncomfortable),Fear (how fearful is the child) and Perceptual Sensitivity (how sensitive to external stimuli is the child) subscales.

Reference:

Measure type: questionnaires

Measure category: differential susceptibility markers

Respondent(s): primary parent, other parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent					✓	✓			✓					
other parent					✓	✓			✓					
child					✓	✓			✓					

Scoring

Items are scored on a 5-point scale from 1 ('extremely untrue') to 5 ('extremely true'). The subscale scores can be calculated by summing the items and dividing the score by the number of items that were filled in, ignoring items with a 'does not apply' response.

Example items

Child:

TMCQ - Discomfort Q5: It hurts when I fall down

TMCQ - Perceptual Sensitivity Q5: I notice when there are little bits of dirt on things

TMCQ - Perceptual Sensitivity Q4: I can tell if another person is sad or angry by the look on their face

ITMCQ - Discomfort Q7: It bothers me when sounds are too loud or scratchy

TMCQ - Discomfort Q2: It bothers me when lights or colors are too bright

Primary Parent | Other Parent:

TMCQ - Perceptual Sensitivity Q5: My child notices even little specks of dirt on objects

TMCQ - Fear Q3: My child is afraid of sleeping over at someone's house

TMCQ - Perceptual Sensitivity Q6: My child notices odors like perfume, smoke and cooking smells

TMCQ - Discomfort Q1: My chid is bothered by bath water that is too hot or too cold

TMCQ - Fear Q6: My child is afraid of the dark.

Data availability

Number of files available: 3 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent	other parent	child
	available (N)	available (N)	available (N)
mcc w02	yes (N = 477)	yes (N = 396)	yes (N = 492)

Which variables are available for requesting?

Primary Parent:

Temperament in Middle Childhood Questionnaire - Discomfort: Total mean score.

Temperament in Middle Childhood Questionnaire - Fear: Total mean score.

Temperament in Middle Childhood Questionnaire - Perceptual Sensitivity: Total mean score.

Temperament in Middle Childhood Questionnaire - D, F, PS: Total mean score.

Child:

Temperament in Middle Childhood Questionnaire - Discomfort: Total mean score.

Temperament in Middle Childhood Questionnaire - Fear: Total mean score.

Temperament in Middle Childhood Questionnaire - Perceptual Sensitivity: Total mean score.

Temperament in Middle Childhood Questionnaire - D, F, PS: Total mean score.

Other Parent:

Temperament in Middle Childhood Questionnaire - Discomfort: Total mean score.

Temperament in Middle Childhood Questionnaire - Fear: Total mean score.

Temperament in Middle Childhood Questionnaire - Perceptual Sensitivity: Total mean score.

Temperament in Middle Childhood Questionnaire - D, F, PS: Total mean score.

Temperament in Middle Childhood Questionnaire - Effortful control (TMCQ-EC)

General Information

Description:

The Temperament in Middle Childhood Questionaire (TMCQ) consists of 42 items that assess temperament and self-regulation through 4 subscales: Discomfort,Perceptual Sensitivity,Effortful Control and Fear. Within L-CID,15 items of the Effortful Control subscale,consisting of Attentional Control and Inhibitory Control,are used. Additionally,within L-CID items were alternated with 5 Wildman questions.

Reference:

Measure type: questionnaires

Measure category: behavioral control

Respondent(s): primary parent, other parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent					✓	✓		✓	✓					
other parent						✓		✓	✓					
child					✓	✓		✓	✓					

Scoring

Items are scored on a 5-point scale from 1 ('extremely untrue') to 5 ('extremely true'). The subscale scores can be calculated by summing the items and dividing the score by the number of items that were filled in, ignoring items with a 'does not apply' response and taking into account the items that should be reverse coded, i.e., items 1, 2, 3, 4, 5, 6, 7, 11, and 15.

Example items

Primary Parent | Other Parent:

TMCQ. EC. Attentional control. Q4. Has a hard time paying attention. recoded

TMCQ. EC. Inhibitory control. Q14. Is able to keep secrets.

TMCQ. EC. Attentional control. Q6. Needs to be told to pay attention.

TMCQ. EC. Inhibitory control. Q9. Can stop him/herself from doing things too quickly

TMCQ. EC. Attentional control. Q7. Gets distracted when trying to pay attention in class.

Data availability

Number of files available: 5 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent	other parent	child
	available (N)	available (N)	available (N)
ecc w05	yes (N = 355)	no	no
mcc w01	yes (N = 455)	yes (N = 408)	no
mcc w02	yes (N = 487)	yes (N = 408)	no

Which variables are available for requesting?

Primary Parent:

Temperament in Middle Childhood Questionnaire - Effortful Control, Inhibitory Control: Total mean score.

Temperament in Middle Childhood Questionnaire - Effortful Control, Attentional Focusing: Total mean score.

Temperament in Middle Childhood Questionnaire - Effortful Control: Total mean score.

Other Parent:

Temperament in Middle Childhood Questionnaire - Effortful Control, Inhibitory Control: Total mean score.

Temperament in Middle Childhood Questionnaire - Effortful Control, Attentional Focusing: Total mean score.

Temperament in Middle Childhood Questionnaire - Effortful Control: Total mean score.

Twin Social Skills or Differences

General Information

Description:

The Twin Social Skills or Difference Questionnaire consists of 8 (generally open) questions about the perceived differences between the twins,e.g.,in terms of social skills.

Reference:

Measure type: questionnaires

Measure category: additional measures

Respondent(s): primary parent, other parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓	✓	✓					✓	✓					
other parent	✓	✓	✓					✓	✓					

Scoring

Example items

There are currently no example items to show. If available, please check the reference for more information about this measure

Data availability

Number of files available: 0 .json and .tsv files.

Available: yes, but unknown when data will be processed.

For which waves and respondents is data available?

There is currently no data available

Which variables are available for requesting?

There are currently no derivatives available for request. If data is considered sensitive, it may be possible to receive the data in collaboration with Leiden CID's PIs. If the data availability is still unknown, it means that the data has not been processed to a shareable file yet. Please contact Leiden-CID for more information if you are interested in one of these measures.

Visual Analogue Scale - Scanner related stress (VAS)

General Information

Description:

The Visual Analogue Scales (VAS) measures stress about going into the MRI scanner. The parent report consists of 4 questions during two timepoints (8 items in total),whereas the child report consists of 6 items spread out over 3 timepoints (2 items per timepoint).

Reference:

Measure type: questionnaires

Measure category: additional measures

Respondent(s): primary parent, child, ra

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent					✓			✓		✓		✓		
child					✓			✓		✓		✓		
ra					✓			✓		✓		✓		

Scoring

Items were answered on a six-point scale from either 1 ("not fun at all") to 6 ("very much fun") or from 1 ("very excited") to 6 ("not excited at all").

Example items

Child:

Visual Analogue Scale, Anxious moment 1 (before mock scanner): How anxious are you to go into the scanner?

Visual Analogue Scale, Anxious moment 3 (after the scanner): How anxious were you inside the scanner?

Visual Analogue Scale, Fun moment 3 (after the scanner): How much fun did you think it was to go into the scanner?

Visual Analogue Scale: Remarks.

Visual Analogue Scale, Fun moment 1 (before mock scanner): How much fun do you think it is to go into the scanner?

Primary Parent:

Visual Analogue Scale, Fun moment 1 (before mock scanner): How much fun do you think the child thinks it is to go into the scanner?

Visual Analogue Scale, Fun moment 2 (before real scanner: How much fun do you think the child thinks it is to go into the scanner?

Visual Analogue Scale, Anxious moment 1 (before mock scanner): How anxious do you think the child is to go into the scanner?

Visual Analogue Scale, Anxious moment 2 (before real scanner): How anxious do you think the child is to go into the scanner?

Visual Analogue Scale: Remarks.

Ra:

Visual Analogue Scale, Fun moment 1 (before mock scanner): How much fun do you think the child thinks it is to go into the scanner?

Visual Analogue Scale, Anxious moment 1 (before mock scanner): How anxious do you think the child is to go into the scanner?

Visual Analogue Scale, Fun moment 2 (before real scanner: How much fun do you think the child thinks it is to go into the scanner?

Visual Analogue Scale, Anxious moment 2 (before real scanner): How anxious do you think the child is to go into the scanner?

Visual Analogue Scale, Anxious moment 3 (after the scanner): How anxious do you think the child was inside the scanner?

Data availability

Number of files available: 12 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent	child	researcher
	available (N)	available (N)	available (N)
ecc w05	yes (N = 319)	yes (N = 321)	yes (N = 321)
mcc w01	yes (N = 505)	yes (N = 504)	yes (N = 502)
mcc w03	yes (N = 424)	yes (N = 425)	yes (N = 425)
mcc w05	yes (N = 244)	yes (N = 239)	yes (N = 236)

Which variables are available for requesting?

Child:

Visual Analogue Scale, Fun moment 1 (before mock scanner): How much fun do you think it is to go into the scanner?

Visual Analogue Scale, Fun moment 2 (before real scanner: How much fun do you think it is to go into the scanner?

Visual Analogue Scale, Fun moment 3 (after the scanner): How much fun did you think it was to go into the scanner?

Visual Analogue Scale, Anxious moment 1 (before mock scanner): How anxious are you to go into the scanner?

Visual Analogue Scale, Anxious moment 2 (before real scanner): How anxious are you to go into the scanner?

Visual Analogue Scale, Anxious moment 3 (after the scanner): How anxious were you inside the scanner?

Primary Parent:

Visual Analogue Scale, Fun moment 1 (before mock scanner): How much fun do you think the child thinks it is to go into the scanner?

Visual Analogue Scale, Fun moment 2 (before real scanner: How much fun do you think the child thinks it is to go into the scanner?

Visual Analogue Scale, Anxious moment 1 (before mock scanner): How anxious do you think the child is to go into the scanner?

Visual Analogue Scale, Anxious moment 2 (before real scanner): How anxious do you think the child is to go into the scanner?

Ra:

Visual Analogue Scale, Fun moment 1 (before mock scanner): How much fun do you think the child thinks it is to go into the scanner?

Visual Analogue Scale, Fun moment 2 (before real scanner: How much fun do you think the child thinks it is to go into the scanner?

Visual Analogue Scale, Fun moment 3 (after the scanner): How much fun did you think the child thinks it was to go into the scanner?

Visual Analogue Scale, Anxious moment 1 (before mock scanner): How anxious do you think the child is to go into the scanner?

Visual Analogue Scale, Anxious moment 2 (before real scanner): How anxious do you think the child is to go into the scanner?

Visual Analogue Scale, Anxious moment 3 (after the scanner): How anxious do you think the child was inside the scanner?

Wildman items to screen for social desirability

General Information

Description:

The Wildman Questionnaire is a measure of social desirability and its items are embedded within other questionnaires. The questionnaire consists of a mix of items from the Wildman Symptom Checklist (WSC) and self-developed Wildman-inspired items. Six items from the Wildman Symptom Checklist (WSC) are embedded within the BSI, five or six self-developed Wildman-inspired items are embedded in either the CBQ,TMCQ,EATQ and either the PAQ or PS.

Reference:

Measure type: questionnaires

Measure category: additional measures

Respondent(s): primary parent, other parent, child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓
other parent	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		
child										✓	✓	✓		✓

Scoring

Wildman items in the:
BSI: Scored on a 5-point scale from 0 ('not at all') to 4 ('extremely').
CBQ: Scored on a 7-point scale from 1 ('extremely untrue') to 7 ('extremely true').
EATQ: Scored on a 5-point scale from 1 ('almost always untrue') to 5 ('almost always true').
TMCQ: Scored on a 5-point scale from 1 ('extremely untrue') to 5 ('extremely true').
PS: Scored on a 7-point scale from 1 ('my ears rarely or never itch') to 7 ('my ears itch').
PAQ: Scored on a slider from 0 ('completely disagree') to 100 ('completely agree').

Additionally, total mean scores for the Symptom (BSI) items, and the Developmental (EATQ/TMCQ/CBQ) items, and a total mean score (Symptom & Developmental items) were computed. In order to do so, all items scores were recoded to a 1-5 point scale.

Example items

Primary Parent | Other Parent:

Wildman in CBQ, Developmental Q5: When my child eats fruit, they sleep better during the night.

Wildman in BSI, Symptom Q1: Headaches so severe my feet hurt.

Wildman in BSI, Symptom Q6: Things taste differently from one side of my mouth to the other.

Wildman in BSI, Symptom Q4: At times, my fingernails itch.

Wildman in CBQ, Developmental Q3: When my child is stressed, they can feel it in their feet.

Child:

Wildman in EATQ, Developmental Q1: I grow so fast, that I can sometimes see myself grow.

Wildman in EATQ, Developmental Q2: From my hair I can tell if the weather will be nice.

Wildman in EATQ, Developmental Q3: When I am stressed, I can feel it in my feet.

Wildman in EATQ, Developmental Q4: My hair grows faster in the summer than in the winter.

Wildman in EATQ, Developmental Q5: When I eat fruit, I sleep better during the night.

Data availability

Number of files available: 27 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent	other parent	child
	available (N)	available (N)	available (N)
ecc w01	yes (N = 446)	yes (N = 393)	no
ecc w02	yes (N = 398)	yes (N = 338)	no
ecc w03	yes (N = 352)	yes (N = 311)	no
ecc w04	yes (N = 361)	yes (N = 292)	no
ecc w05	yes (N = 366)	yes (N = 286)	no
ecc w06	yes (N = 352)	yes (N = 260)	no
mcc w01	yes (N = 462)	yes (N = 412)	no
mcc w02	yes (N = 487)	yes (N = 408)	no
mcc w03	yes (N = 452)	yes (N = 373)	yes (N = 439)
mcc w04	yes (N = 392)	yes (N = 334)	yes (N = 399)
mcc w05	yes (N = 328)	yes (N = 294)	yes (N = 335)
mcc w06	yes (N = 304)	no	yes (N = 291)

Which variables are available for requesting?

Other Parent:

Wildman in BSI, Symptom items: Total mean score.

Wildman in CBQ, Developmental items: Total mean score.

Wildman: Total mean score. Is composed of the symptom items and the developmental items.

Primary Parent:

Wildman in BSI, Symptom items: Total mean score.

Wildman in CBQ, Developmental items: Total mean score.

Wildman: Total mean score. Is composed of the symptom items and the developmental items.

Child:

Wildman in EATQ, developmental items: total mean score.

Wechsler Intelligence Scale for Children (WISC-III)

General Information

Description:

The Wechsler Intelligence Scale for Children - third version (WISC-III) is used to measure the IQ of a child. Within L-CID,the subscales Similarities and Block Patterns are used to determine verbal-,performance-,and total IQ.

Reference: Weschsler, D., Golombok, S., & Rust, J. (1992). WISC-III UK Wechsler Intelligence Scale for Children: UK Manual. 3rd ed. Sidcup, United Kingdom: Psychological Corporation

Measure type: cognitive measures

Measure category: additional measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child								✓						

Scoring

For each of the subtests, a raw score and a normalized score were created. An estimated Verbal IQ (VIQ) score and Performance IQ (PIQ) score were calculated from the subtests Similarities and Block Patterns, respectively. Additionally, an estimated Total IQ score was calculated by creating a mean score of VIQ and PIQ.

Example items

Child:

WISC-III, Similarities: Norm score.

WISC-III: Notes about the task.

WISC-III: Child's age at the moment of WISC measurement (age in years, months, days).

WISC-III, Block Patterns: Norm score.

WISC-III: Estimated performal IQ (based on Block Patterns)

Data availability

Number of files available: 1 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), in 2023.

For which waves and respondents is data available?

	child
	available (N)
mcc w01	yes (N = 512)

Which variables are available for requesting?

Child:

WISC-III: Estimated verbal IQ (based on Similarities).

WISC-III: Estimated performal IQ (based on Block Patterns)

WISC-III: Estimated total IQ (based on Similarities and Block Patterns).

Wechsler Preschool and Primary Scale of Intelligence (WPPSI-III)

General Information

Description:

The Wechsler Preschool and Primary Scale of Intelligence - third edition (WPPSI-III) is used to assess verbal-,performance-,and total IQ of children. Within L-CID,the subtests Similarities and Picture Completion are used in wave 3 and 4 respectively.

Reference: Wechsler, D. (2002). WPPSI-III: Technical and interpretative manual. San Antonio, TX: The Psychological Corporation

Measure type: cognitive measures

Measure category: additional measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child			✓	✓										

Scoring

For each of the subtests, a normalized score and a z score were created (Mnorm = 10, SDnorm = 3). An estimated Verbal IQ (VIQ) score and Performance IQ (PIQ) score were calculated from the subtests Similarities and Picture Completion, respectively (Mnorm = 100, SDnorm = 15). Additionally, an estimated Total IQ score was calculated by creating a mean score of VIQ and PIQ.

Example items

Child:

WPPSI-III: Research assistant who scored the form.

WPPSI-III, Similarities: Z score of normalized score.

WPPSI-III: Research assistant who adminstered the task.

WPPSI-III, Similarities: Raw score (range).

WPPSI-III: Total estimated IQ based on the Similiarities subtest in wave 3 and Picture Completion subtest in wave 4.

Data availability

Number of files available: 2 .json and .tsv files.

Available: Yes, but sensitive data (only with good reason and/or collaboration with Leiden-CID PIs), in 2023.

For which waves and respondents is data available?

	child
	available (N)
ecc w03	yes (N = 396)
ecc w04	yes (N = 393)

Which variables are available for requesting?

Child:

WPPSI-III: Estimated Verbal IQ based on the Similarities subtest.

WPPSI-III: Total estimated IQ based on the Similiarities subtest in wave 3 and Picture Completion subtest in wave 4.

DNA sample - Zygosity

General Information

Description:

Twin zygosity was assessed using DNA information from buccal cell samples, collected via mouth swabs. During the Early Childhood Cohort, zygosity was determined by Erasmus University Rotterdam in year two. In year 3, zygosity was determined by Verilabs when DNA wasn't assessed in year two and/or as an extra check. During the Middle Childhood Cohort, zygosity was again determined by both Verilabs and Erasmus University Rotterdam in year one.

Reference:

Measure type: physiological measures

Measure category: neurobiological and physiological measures

Respondent(s): child

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
child		✓						✓						

Scoring

A DNA profile was prepared with the NGMselect PCR amplification kit (Lifetech), after which a zygosity determination was performed per twin pair (twin test).

Example items

Child:

DNA sample - Zygosity: Final zygosity determination based on DNA linkage and the zygosity questionnaire for those without DNA sample.

Data availability

Number of files available: 2 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	child
	available (N)
ecc w02	yes (N = 470)
mcc w01	yes (N = 512)

Which variables are available for requesting?

Child:

DNA sample - Zygosity: Final zygosity determination based on DNA linkage and the zygosity questionnaire for those without DNA sample.

Zygosity Questionnaire

General Information

Description:

Zygosity Diagnosis Questionnaire consists of 5 main-items with sub-items and is aimed to determine zygosity of twins by asking parents about the zygosity of their twins (are they mono- or dizygotic) and to what extent they are alike physically. Missing DNA information was imputed with zygosity estimates derived from the Zygosity Diagnosis Questionnaire.

Reference:

Measure type: questionnaires

Measure category: neurobiological and physiological measures

Respondent(s): primary parent, other parent

Assessed in the following waves:

	Early Childhood Cohort							Middle Childhood Cohort						
	1	2	3	4	5	6	6c	1	2	3	4	5	5c	6
primary parent	✓	✓						✓						
other parent		✓												

Scoring

Items are rated 0, 1, or 2 on a three-point scale. Dichotomous items are rated 0 or 1. By multiplying each coefficient with the item score and summing these products with the constant, a zygosity score is obtained for each individual pair. This zygosity score is compared with the classification score that is generated by the discriminant function analysis. In this study, the classification score is 0.4 for each individual dataset. Pairs whose zygosity score is greater than 0.4 are assigned the label monozygotic, pairs with scores below this classification are considered dizygotic.

Formule:
(X1*Y1)+(X2*Y2)+(X3*Y3)+(X4*Y4)+(X5*Y5)+Constant

If > 0.4: monozygotic
If <0.4: dyzygotic

Example items

Primary Parent | Other Parent:

Zygosity Questionnaire Q3.7: To what extent are your twin children alike when it comes to: Voice.

Zygosity Questionnaire Q4: What do you think, are your twins mono- or dizygotic?

Zygosity Questionnaire Q3.4: To what extent are your twin children alike when it comes to: Length.

Zygosity Questionnaire Q4.7: Mono- or dizygotic because: They have the same blood type.

Zygosity Questionnaire Q4.4: Mono- or dizygotic because: At birth, I was told they are dizygotic.

Data availability

Number of files available: 4 .json and .tsv files.

Available: yes, in 2023.

For which waves and respondents is data available?

	primary parent available (N)	other parent available (N)
ecc w01	yes (N = 450)	no
ecc w02	yes (N = 436)	yes (N = 348)
mcc w01	yes (N = 512)	no

Which variables are available for requesting?

Primary Parent:

Zygosity Questionnaire, Zygosity Score: Zygosity scores greater than 0.4 are assigned the label monozygotic, pairs with scores below this score are considered dizygotic.

Zygosity Questionnaire, Zygosity: Based on the zygosity score, are the children mono- or dizygotic?

Other Parent:

Zygosity Questionnaire, Zygosity Score: Zygosity scores greater than 0.4 are assigned the label monozygotic, pairs with scores below this score are considered dizygotic.

Zygosity Questionnaire, Zygosity: Based on the zygosity score, are the children mono- or dizygotic?