Het oplossen van de controverse tussen ADHD en Attachment: de rol van dopamine

Research Data Summary

List and describe all datasets or research materials that you plan to generate/collect or reuse during your research project. For each dataset or data type (observational, experimental etc.), provide a short name & description (sufficient for yourself to know what data it is about), indicate whether the data are newly generated/collected or reused, digital or physical, also indicate the type of the data (the kind of content), its technical format (file extension), and an estimate of the upper limit of the volume of the data.

Dataset/ ID	Description	New or reuse	Digital (D) or physical (P)	Type of data	File	File format	Physical volume
		Indicate: **N***(ew data)* or **E***(xisting data)*	*Indicate:* **D***(igital)* or **P***(hysical)*	Indicate: **A**udiovisual, **I**mages, **S**ound, **N**umerical, Textual, **M**odel, **S**oftware, Other (specify)	Indicate: <1GB, <100GB,< 1TB, < 5TB, > 5GB, NA		
Key file	A key file linking ID's and participants' names	N	D	N		.csv	
Responses to surveys	Responses of children and their caregiver to online surveys	N	D	Numerical		.csv	
Observational data	Video recordings of behavior and speech during	N	D	Audiovisual		.mp4	
Behavioral outcomes from video recordings	Scores assigned interactions between children and their caregiver	N	D	Numerical		.csv	
Interview data	Video recordings of narratives about caregiving interactions based on word prompts and story stems demonstrated with props and dolls	N	P	Audiovisual		.mp4	
Transcripts of interview data	Transcripts of interviews where children and caregivers narrate stories based on word prompts	N	D	Text		.docx	
Behavioral outcomes from interviews	Scores assigned to narratives of children and their caregiver	N	D	Numerical		.csv	
Responses to IQ screening	Paper format scoring forms WISC IV	N	P	Numerical			240 scoring forms WISC IV
Responses to K-SADS	Paper format scoring forms K-SADS	N	P	Numerical			240 scoring forms K-SADS

If you reuse existing data, please specify the source, preferably by using a persistent identifier (e.g. DOI, Handle, URL etc.) per dataset or data type:

NA, we will not reuse existing data.

Are there any ethical issues concerning the creation and/or use of the data (e.g. experiments on humans or animals, dual use)? If so, refer to specific datasets or data types when appropriate and provide the relevant ethical approval number.

- Yes, human subject data (Provide SMEC or EC approval number below)

The study is currently under being evaluated by the Ethics Committee Research UZ / KU Leuven (EC Research).

Will you process personal data? If so, please refer to specific datasets or data types when appropriate and provide the KU Leuven or UZ Leuven privacy register number (G or S number).

- Yes (Provide PRET G-number or EC S-number below)

Personal data will be processed. In the current study, we plan to process the following personal data:

- First and last names of children and their caregivers
- Dates of birth of children and their caregivers
- Gender of children and their caregivers
- Caregivers' email addresses
- Caregivers' phone numbers
- Caregivers' educational levels
- Family composition
- Video recordings of interactions between the child and caregiver
- Video recordings of interviews with the child and caregiver
- Caregivers' reports on the children's mental health and behavior
- Caregivers' reports on the autism spectrum disorder diagnosis of their child
- Caregivers' reports on the children's use of psychological and pharmacological treatments for behavioral and emotional problems
- Caregivers' reports on the children's emotional lability
- Caregivers' reports on the children's sensitivity to environmental stimuli
- Teachers' reports on the children's behavior
- Self-report data on mental health
- Self-report data on children's attachment to their caregivers
- Self-report data on caregivers' attachment
- Children's scores on two IQ subtests
- Caregivers' responses to a clinical interview screening for ADHD, oppositional defiant disorder, and conduct disorder
- Estimate of the amount of time caregivers spend with the child on a weekly basis

EC s-number: S70031
SMEC number: G-2024-8913

Does your work have potential for commercial valorization (e.g. tech transfer, for example spin-offs, commercial exploitation, …)? If so, please comment per dataset or data type where appropriate.

- No

Do existing 3rd party agreements restrict exploitation or dissemination of the data you (re)use (e.g. Material or Data transfer agreements, Research collaboration agreements)? If so, please explain in the comment section to what data they relate and what restrictions are in place.

- No

Are there any other legal issues, such as intellectual property rights and ownership, to be managed related to the data you (re)use? If so, please explain in the comment section to what data they relate and which restrictions will be asserted.

- No

Documentation and Metadata

Clearly describe what approach will be followed to capture the accompanying information necessary to keep data understandable and usable, for yourself and others, now and in the future (e.g. in terms of documentation levels and types required, procedures used, Electronic Lab Notebooks, README.txt files, codebook.tsv etc. where this information is recorded).

- README.txt files describing the data.
- README.txt files describing steps cleaning and processing of data (e.g., converting CSV to Excel).
- README.txt files describing the database structure.
- A key file linking participant IDs to names (stored separately from research data to ensure anonymity).
- A codebook describing all variables.
- A folder with documents outlining study procedures

Will a metadata standard be used to make it easier to find and reuse the data?
If so, please specify which metadata standard will be used.

If not, please specify which metadata will be created to make the data easier to find and reuse.

- Yes

We plan to deposit and share research data via KU Leuven Research Data Repository, DataCite will be used as a metadata standard.

Data Storage & Back-up during the Research Project

Where will the data be stored?

- Shared network drive (J-drive)
- Other (specify below)

Video recordings of the observations and interviews will be stored on encrypted hard drives.

How will the data be backed up?

- Standard back-up provided by KU Leuven ICTS for my storage solution

Is there currently sufficient storage & backup capacity during the project?

If no or insufficient storage or backup capacities are available, explain how this will be taken care of.

- Yes

How will you ensure that the data are securely stored and not accessed or modified by unauthorized persons?

Access to the shared network drive (J-drive) is restricted to researchers involved in the project. All hard drives used for storing video recordings will be encrypted with a password known only to the researchers working on the project.

What are the expected costs for data storage and backup during the research project? How will these costs be covered?

The expected annual costs for the shared network drives (J drive) are approximately 100 euro. These costs are covered by the research project's funding, which includes a budget for data storage (KU Leuven internal fund, C16/24/003).

Data Preservation after the end of the Research Project

Which data will be retained for 10 years (or longer, in agreement with other retention policies that are applicable) after the end of the project?

In case some data cannot be preserved, clearly state the reasons for this (e.g. legal or contractual restrictions, storage/budget issues, institutional policies...).

- Certain data cannot be kept for 10 years (explain below)

All data, except for the video recordings of the Attachment Script Assessment and Middle Childhood Attachment Script Assessment, will be retained for 25 years in accordance with CTC recommendations for clinical trials. The video recordings of the Attachment Script Assessment and Middle Childhood Attachment Script Assessment will be deleted once all data has been collected, transcribed, and coded.

Where will these data be archived (stored and curated for the long-term)?

- Other (specify below)
- Shared network drive (J-drive)

Video data will be stored on encrypted hard drives.

What are the expected costs for data preservation during the expected retention period? How will these costs be covered?

The annual costs for the shared network drives (J drive) amount to approximately 100 euros. These costs are covered by the research project's funding, which includes a budget for data storage (KU Leuven internal fund, C16/24/003).

Data Sharing and Reuse

Will the data (or part of the data) be made available for reuse after/during the project?
Please explain per dataset or data type which data will be made available.

- Yes, as restricted data (upon approval, or institutional access only)

If access is restricted, please specify who will be able to access the data and under what conditions.

The data will only be accessible to researchers and may not be used for commercial purposes.

Are there any factors that restrict or prevent the sharing of (some of) the data (e.g. as defined in an agreement with a 3rd party, legal restrictions)?

Please explain per dataset or data type where appropriate.

- Yes, privacy aspects
- Yes, ethical aspects

Ethical aspects: A large amount of sensitive data on mental health will be collected.
Privacy: We collect a large amount of personal data, increasing the likelihood of participant identification.

Where will the data be made available?

If already known, please provide a repository per dataset or data type.

- KU Leuven RDR (Research Data Repository)

The following datasets will be uploaded on RDR:

- Anonymized survey responses: only variables necessary for verification and replication of research findings.
- Anonymized behavioral outcomes from interviews.
- Anonymized behavioral outcomes from observations.

The following dataset will **not** be uploaded on RDR:

- Responses to K-SADS
- Responses to IQ screening
- Video recordings of behavioral observations and interviews
- Key file
- All survey data that is not needed for replication and verification of research findings

When will the data be made available?

- Upon publication of research results

Which data usage licenses are you going to provide?

If none, please explain why.

- Data Transfer Agreement (restricted data)

The Custom KU Leuven option in the KU Leuven RDR will be used because all datasets are restricted due to ethical and privacy concerns. If someone requests access to our data, we will draw up a data transfer and/or data sharing agreement. In this agreement, the terms of use be will be agreed upon. These terms will take on the role the license would otherwise fulfill.

Do you intend to add a persistent identifier (PID) to your dataset(s), e.g. a DOI or accession number? If already available, please provide it here.

- Yes, a PID will be added upon deposit in a data repository

What are the expected costs for data sharing? How will these costs be covered?

Each researcher is allocated 50 GB of free storage per year. It is anticipated that this will be sufficient; however, if additional storage is needed, any extra costs will be covered by the research budget designated for data storage.

Responsibilities

Who will manage data documentation and metadata during the research project?

The researchers involved in this project (Wout Vandycke, Amelie Verschueren, Axel Van de Weyer, and Melisse Houbrechts).

Who will manage data storage and backup during the research project?

The researchers involved in this project (Wout Vandycke, Amelie Verschueren, Axel Van de Weyer, and Melisse Houbrechts).

Who will manage data preservation and sharing?

The researchers involved in this project (Wout Vandycke, Amelie Verschueren, Axel Van de Weyer, and Melisse Houbrechts) and the PI (Saskia Van der Oord).

Who will update and implement this DMP?

The researchers involved in this project (Wout Vandycke, Amelie Verschueren, Axel Van de Weyer, and Melisse Houbrechts) and the PI (Saskia Van der Oord)