# Plan Overview

*A Data Management Plan created using DMPonline.be*

**Title:** PDMT1/24/016: Patient phenotyping to enhance the adequacy of care for psychotropic medication users

**Creator:**Kristien Coteur

**Affiliation:** KU Leuven (KUL)

**Template:** KU Leuven BOF-IOF

**Project abstract:**

This project aims to enhance the adequacy of care for long-term users of psychotropic medication, specifically benzodiazepine receptor agonists and antidepressants. It addresses the highly prevalent prolonged use of these medications by considering diverse patient characteristics
and outcomes. It explores the concept of adequate care in ambulatory settings. Notably, the project identifies trends and opportunities for clinical phenotyping through a scoping review, and continues to create patient phenotypes based on medical history analysis, clinical practice research data, and patient interviews. The planned realist evaluation of adequacy of care involves studying patient experiences regarding timeliness, quality and quantity of care, and key processes in care; as well as their outcomes of medication use and/or tapering. Informed by the research results and context analysis, a model for personalised care will be developed and validated, with a plan for adaptation to local contexts. This way the project aims to a) contribute significantly to deprescribing research, b) improve access to care, patient outcomes, and health equity, and c) fill existing gaps in research related to long-term psychotropic medication use. PACe anticipates international impact through collaborations with key experts in the field across Europe and Canada, and the applicant aspires to establish an international network for future research and collaboration.

**ID:** 211413

**Start date:** 01-10-2024

**End date:** 30-09-2025

**Last modified:** 29-01-2025

# PDMT1/24/016: Patient phenotyping to enhance the adequacy of care for psychotropic medication users

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 name / ID | Description | New or reuse | Digital or Physical data | Data Type | File format | Data volume | Physical volume |
|---|---|---|---|---|---|---|---|
| | | *Indicate:*<br>***N****(ew data) or*<br>***E****(xisting data)* | Indicate: **D**(igital) or **P**(hysical) | Indicate:<br>**A**udiovisual<br>**I**mages<br>**S**ound<br>**N**umerical<br>**T**extual<br>**M**odel<br>**SO**ftware<br>Other (specify) | | Indicate:<br><1GB<br><100GB<br><1TB<br><5TB<br>>5TB<br>NA | |
| scoping review (WP1) | articles, data for analysis | existing data | digital | Textual, Numerical | txt, xls | <1GB | NA |
| scoping review (WP1) | output: synthesis of findings | new data | digital | textual, numerical | txt, xls | <1GB | NA |
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**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:**

No structured datasets available that can be referred to.
Data for WP1 will be collected through searching databases.

**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.**

- No

**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).**

- No

**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).**

WP1: review protocol

**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.**

- No

### Data Storage & Back-up during the Research Project

**Where will the data be stored?**

- OneDrive (KU Leuven)

**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?**

OneDrive is secured with standard two-factor authentification of KU Leuven.
Data transfer will happen through a secured platform, e.g. the belnet-filesender.

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

No additional costs expected

### 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...).**

- All data will be preserved for 10 years according to KU Leuven RDM policy

The applicant will follow the data management policy of KU Leuven. Data generated in the project will be preserved for minimally 10 years in a safe, secure, and sustainable way to facilitate reproducibility, verification and potential reuse.

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

- KU Leuven RDR

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

NA

### 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.**

only for non-commercial use, upon communicating research aims and protocol

**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.**

- No

**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)

**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.**

- Other (specify below)

to be confirmed

**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?**

NA

**Responsibilities**

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

Kristien Coteur

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

Kristien Coteur, through standardised KU Leuven protocols

**Who will manage data preservation and sharing?**

Kristien Coteur

**Who will update and implement this DMP?**

Kristien Coteur