

Sep 04, 2025

Version 2

Parkinson's Progression Markers Initiative Online Study (PPMI Online Study) V.2

DOI

<https://dx.doi.org/10.17504/protocols.io.q26g718y9gwz/v2>

Caroline M Tanner¹, Ken Marek²

¹Weill Institute for Neurosciences, Department of Neurology, Division of Movement Disorders and Neuromodulation;

²Institute for Neurodegenerative Disorders



Jacqueline Carley

IND

Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.q26g718y9gwz/v2>

Protocol Citation: Caroline M Tanner, Ken Marek 2025. Parkinson's Progression Markers Initiative Online Study (PPMI Online Study). protocols.io <https://dx.doi.org/10.17504/protocols.io.q26g718y9gwz/v2> Version created by [Jacqueline Carley](#)

License: This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited



Protocol status: Working

We use this protocol and it's working

Created: August 08, 2025

Last Modified: September 04, 2025

Protocol Integer ID: 224362

Keywords: ASAPCRN, PPMI, Parkinson's Disease, Parkinson's Progression Markers Initiative, progression markers initiative online study, ppmi online, ppmi, progression markers initiative, parkinson, progression, ppmi online study



Funders Acknowledgements:

The Michael J. Fox Foundation

Grant ID: na

Aligning Science Across Parkinson's

Grant ID: na

4D Pharma

Grant ID: na

Abbvie

Grant ID: na

AcureX

Grant ID: na

Allergan

Grant ID: na

Amathus Therapeutics

Grant ID: na

AskBio

Grant ID: na

Avid Radiopharmaceuticals

Grant ID: na

BIAL

Grant ID: na

BioArctic

Grant ID: na

Biogen

Grant ID: na

Biohaven

Grant ID: na

BioLegend

Grant ID: na

BlueRock Therapeutics

Grant ID: na

Bristol-Myers Squibb

Grant ID: na

Calico Labs

Grant ID: na

Capsida Biotherapeutics

Grant ID: na

Celgene

Grant ID: na

Cerevel Therapeutics

Grant ID: na

Coave Therapeutics

Grant ID: na

DaCapo Brainscience

Grant ID: na

Denali

Grant ID: na

Edmond J. Safra Foundation

Grant ID: na

Eli Lilly

Grant ID: na

Gain Therapeutics

Grant ID: na



GE HealthCare

Grant ID: na

Genentech

Grant ID: na

GSK

Grant ID: na

Golub Capital

Grant ID: na

Handl Therapeutics

Grant ID: na

Insitro

Grant ID: na

Jazz Pharmaceuticals

Grant ID: na

Johnson & Johnson Innovative Medicine

Grant ID: na

Lundbeck

Grant ID: na

Merck

Grant ID: na

Meso Scale Discovery

Grant ID: na

Mission Therapeutics

Grant ID: na

Neurocrine Biosciences

Grant ID: na

Neuron23

Grant ID: na

Neuropore

Grant ID: na

Pfizer

Grant ID: na

Piramal

Grant ID: na

Prevail Therapeutics

Grant ID: na

Roche

Grant ID: na

Sanofi

Grant ID: na

Servier

Grant ID: na

Sun Pharma Advanced Research Company

Grant ID: na

Takeda

Grant ID: na

Teva

Grant ID: na

UCB

Grant ID: na

Vanqua Bio

Grant ID: na

Verily

Grant ID: na

Voyager Therapeutics

Grant ID: na

Weston Family Foundation

Grant ID: na

Yumanity Therapeutics

Grant ID: na

Abstract

This protocol details the Parkinson's Progression Markers Initiative Online Study (PPMI Online Study).

Sponsor: The Michael J. Fox Foundation for Parkinson's Research (MJFF)

Principal Investigators: Caroline M Tanner, MD, PhD; Kenneth Marek, MD

Date of Protocol: October 25, 2024

Protocol number: 026

Final Version: 1.0

PURPOSE OF STUDY

- 1 The Parkinson's Progression Markers Initiative (PPMI) study is a longitudinal, observational, multi-center natural history study to assess progression of clinical features, digital outcomes, imaging, biologic, and genetic markers of Parkinson's disease (PD) progression in study participants with manifest PD, prodromal PD, and healthy controls. The overall goal of PPMI is to identify markers of disease progression for use in clinical trials of therapies to reduce progression of PD disability.

PPMI is a broad program that is expanding the goals of the original PPMI study¹, and will include this PPMI Online Study protocol, as well the PPMI Clinical protocol and other digital and online program initiatives to enrich the PPMI database with self-reported participant information, which when combined with the clinical information will enable researchers to better understand and identify early signs of individuals who may be at risk for developing PD and PD progression. Participants in PPMI may be asked to be enrolled in multiple PPMI program protocols and depending on their method of recruitment, participants may be enrolled in varying order, as appropriate. PPMI participants may also be asked to participate in additional PPMI program initiatives (as they are developed), which may only involve a subset of PPMI participants based on information including their cohort designation, and/or site location. This protocol will be focused on the activities of the PPMI Online Study (PPMI Online Study).

1.1 PRIMARY OBJECTIVE

The primary objective of the PPMI Online Study is to collect participant-reported health information from people with and without Parkinson's disease, for the goal of better understanding risk and predictive factors for PD.

1.2 SECONDARY OBJECTIVES

Secondary objectives focus on the structural capabilities of the PPMI Online Study, including:

1. Associating participant-reported outcomes (PROs) provided in the PPMI Online Study with data collected in the PPMI companion studies and Fox Insight study.
2. Identify best practice methods of recruiting and retaining participants and establish mechanisms to periodically evaluate recruitment methods.
3. Establish standardized protocols for acquisition, transfer, and analysis of health data that can be accessed by the PD research community for hypothesis generation, trend analyses, disease subset identification, and study recruitment.
4. Establish a platform amenable to companion protocols which can utilize the PPMI Online Study resources for purposes such as study recruitment and linking with PPMI protocols.

5. Establish a platform amenable to and a standardized protocol for sub-studies which integrate new surveys or other methods of data collection into the PPMI Online Study platform

BACKGROUND AND RATIONALE

- 2 Characterizing symptom burden and disease course in people with PD has proved challenging, largely because of the wide variability in symptomatology. While in-person clinical evaluation has been the foundation of observational research, online evaluations are increasingly important to reduce participant burden, ensuring continuity for participants too impaired to travel and enable access for the many people traditionally left out of academic research. Online evaluations can also reach a large number of people at minimal cost, allowing for broad recruitment and increasing representativeness of research cohorts. Similarly, while the in-person PPMI Clinical study will be an instrumental and core component to understanding the early development and progression of PD, evaluations through the PPMI Online Study will provide further self-reported information about those with PD, as well as those in the broader PD community. Through the PPMI Online Study, validated and exploratory PROs will supplement in-person evaluations and reach people unable to come into clinic. PROs will seek to describe the lived experiences of people with PD, identifying issues most relevant to patients, their care partners, and their family. The size and diversity of an online forum will allow detection of patterns among those without PD at risk of disease development and among those with PD at risk of poor outcomes. Self-reported outcomes through the PPMI Online Study will therefore be an essential aspect of the broader PPMI initiative and ensure our understanding of PD is truly generalizable across the community and relevant to patients.

STUDY DESIGN

- 3 This protocol involves the indefinite, online collection of cross-sectional and longitudinal data from people with and without PD. The data will be collected through a web-based platform that can be continually modified and updated to accommodate study objectives and changes in the research environment over time. Once a participant registers for the PPMI Online Study and agrees to participate, he/she will be asked to:
 - Provide demographic and health history information (e.g., medical and medication history).
 - Complete health-related questionnaires and surveys (e.g., questions related to PD and PD risk, daily activities, caregiving, and quality of life, etc.).
 - Provide regular (approximately quarterly) updates to the self-reported information.
 - Select participants will be invited to companion studies and have the option to consent to participate in the companion studies based on eligibility criteria.

STUDY POPULATION

- 4 This study will include people with and without PD. During the course of this study, we expect to enroll up to 500,000 participants globally.

RECRUITMENT METHODS

- 5 To achieve the recruitment goal, a multi-pronged approach will be employed, including (but not limited to) invitation to participate through PPMI studies, Fox Insight, independently managed PD studies, digital and social marketing recruitment efforts to the PD community, and through events or activities conducted by MJFF, or other representatives of PPMI.

PARTICIPANT ELIGIBILITY

- 6 Participants must meet the following criteria to enroll in the PPMI Online Study:

INCLUSION CRITERIA

- 6.1 Inclusion Criteria (PD Participants)
 - Age 18 years or older
 - Has received a diagnosis of Parkinson's disease
- 6.2 Inclusion Criteria (Participants without PD)
 - Age 18 years or older
 - Has not received a diagnosis of Parkinson's disease

OBTAINING INFORMED CONSENT

- 7 All potential participants interested in participating in the study will first create a user account including an email address and password to register on the myPPMI web portal. Following the creation of the user account, the participant will answer a brief screener questionnaire and then, if eligible, be brought to the informed consent page, where they will be required to read the consent on-line. If the individual consents to participate, they will acknowledge consent electronically using myPPMI's eConsent process. Participants will have the opportunity to save a digital copy of the signed informed consent, GDPR Addendum (as applicable), and privacy notice (as applicable) for their records. Participants will be emailed PDF copy of the signed consent, and a PDF copy of the signed consent will be available on the study dashboard throughout the study.

PARTICIPANT ID ASSIGNMENT

- 8 A Participant ID number will be assigned to all PPMI Online Study participants. Participants will be assigned a unique ID number generated automatically by the PPMI participant management system. Individuals already participating in another study under the PPMI program will retain the participant ID number previously assigned under that study. The PPMI Participant ID number will be used to identify a participant on all study related documentation.

STUDY PROCEDURES

- 9 The PPMI Online Study is an online platform for people with and without PD that administers PROs remotely. Questionnaires are available for completion regularly at quarterly intervals. The PPMI Online Study will incorporate a variety of PRO assessments throughout the study period, including addition of new questions or assessments.

Using standardized self-report questionnaires at baseline, the participants will be asked to provide their contact information. In addition to providing their personal contact information, each participant will be asked to provide the names, relationship to the participant and contact information for up to three designated informants who will serve as alternate contacts.

Participants may be invited to participate in additional PPMI Program studies at any time during their participation in the PPMI Online Study, and if interested, will be fully informed about these studies and asked to provide separate consent prior to participating.

Participants will not be required to answer any questions they do not want to answer. The assessments and questionnaires fall under the following general categories, with individual assessments separately approved as PPMI Online study content:

Categories of Study Assessments

- **Demographic and Vital Statistics:** Basic demographic information to describe the participant including but not limited to gender, race, education level, income, partner status, name, birth date, city and country of birth, and sex at birth. This information provides baseline characteristics among the participant groups and can be updated by the participant during the course of the study.
- **Medical and Family History:** A baseline medical history of the participant including Parkinson's status, surgical and medication history, as well as information about familial medical conditions. Participants can update this information over the course of the study period.



- **Conditions:** Participants will be able to report on new or continuing medical conditions that may occur during study participation.
- **Daily Living:** Information will be collected regarding various activities of daily living to understand what participants are experiencing over time and what changes may occur in their ability to complete those activities.
- **Symptoms:** Participants will provide information regarding signs and symptoms they are experiencing that relate to PD, other disorders, and other information about those symptoms such as severity and frequency.
- **Other:** Ancillary surveys or questions may be administered throughout the study period about, but not limited to, symptoms, disease progression, quality of life, care-partner experience, or general health of the study population. Surveys related to participant motivation for study participation, as well as the participant experience, may also be administered throughout the study period.

RISKS TO PARTICIPANTS

- 10 The most common risk associated with online data collection is that study participants may feel anxious about completing the study tasks. There is a risk of disclosure of private information by participating in this study. However, safeguards are in place to reduce the risk of this happening. The full dataset, inclusive of identifiable data, collected for this study will be maintained electronically in secure databases, that have undergone security reviews, and with access limited to the study team and data management partners. Data may be securely transferred between PPMI cores (designated study teams who collect, store, and handle study information) for the required workflows under the PPMI program. Any study data that are made available to researchers external to PPMI will be coded and will not contain identifiers. While every effort will be made to maintain confidentiality, there is a small risk that information may be disclosed. There may be other privacy risks that the study team may have not foreseen.

POTENTIAL BENEFITS TO PARTICIPANTS

- 11 There are no direct anticipated benefits to study participants in this study. However, new information may be generated by the study to support development of better treatments for Parkinson's disease.

COSTS FOR PARTICIPATION

- 12 There will be no cost to the study participant for participating in this study.

PARTICIPANT WITHDRAWALS

- 13 Study participants will be informed during the consent process that they have the right to withdraw from the study at any time without prejudice. Withdrawal from this study may affect the study participant's continued participation in other PPMI studies as applicable to the companion study eligibility. Any information that has already been collected prior to the study participant's withdrawal will not be removed.

ADVERSE EVENTS

- 14 There will be no adverse event reporting as part of this online survey study. All data collected as part of this study are for research purposes only and not for clinical care purposes. There will not be any routine medical monitoring of the data collected nor any reports run looking at trends and/or worsening of a participant's condition requiring medical intervention.

PRIVACY AND CONFIDENTIALITY

- 15 Privacy of participants will be protected in that each person will have the option to voluntarily choose whether to participate in this study. The information being collected will be outlined during the consent process. Due to the remote nature of this study, participants will have the ability to determine when and where they complete the various assessments to maintain their privacy.

DATA SHARING AND STORAGE FOR FUTURE USE

- 16 Participant data collected for this study will be maintained and stored indefinitely at the PPMI study cores on secure, password protected systems. All identifiable study data will be accessed only by those who require access as pertains to the individual's role on the study. All organizations responsible for data storage and review will observe the highest precautions to ensure data integrity and security.

Data collected for this study may be transferred and shared across participating PPMI for conducting analyses as pertains to the study including, but not limited to, enrollment, compliance, study outcomes and, in combination from the data received from other PPMI Program studies, to enable modifications to the predictive prodromal eligibility criteria. All PPMI program data will be incorporated into a fully harmonized PPMI database.

All personally identifiable information will be removed and replaced with a Participant ID number to create coded study data. Coded data obtained during the conduct of this study will be sent to the Laboratory of Neuro Imaging (LONI) in Los Angeles, California,



to be stored indefinitely for research purposes. Coded research data will be made available to researchers to conduct analyses related to PD and other disorders. Researchers will be required to comply with the PPMI data agreement to receive data.

ANALYSIS PLAN

- 17 On a regular basis, summary data will be reviewed to verify the completeness of the collected data. Based on this regular review, recommendations may be made regarding modifications to the type of data collected and/or the data collection process. Recruitment and retention metrics will be regularly assessed by demographics characteristics overall and by cohort.

Protocol references

1. Parkinson Progression Marker I. The Parkinson Progression Marker Initiative (PPMI). Prog Neurobiol 2011;95(4):629-635.