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# PLCO MEDICATION USE QUESTIONNAIRE USER GUIDE

## INTRODUCTION

The Medication Use Questionnaire (MUQ) was administered in 2013. The questionnaire primarily asked participants about medication use. Participants were asked to provide information on aspirin, acetaminophen, and nonsteroidal anti-inflammatory drug (NSAID) use in the 12 months prior to form completion, and to list all prescription medications taken within 30 days of form completion. The MUQ also asked participants to provide their current weight and smoking status, and asked for consent to collect participants' Medicare and Medicaid data.

The MUQ was offered to PLCO participants who had consented to further follow-up by a Central Data Collection Center (CDCC) after the closeout of the original screening centers. In order to be eligible to be transferred to the CDCC, subjects had to be alive, not lost to follow up, and not at the University of Alabama at Birmingham. As the University of Alabama screening center had not closed at the time the MUQ was administered, those participants were not yet at the CDCC. Thus, no participants from the University of Alabama center completed the MUQ. MUQ data is available for 58,895 participants from the other nine centers.

Customized datasets which only contain selected variables can be constructed upon request, on a case by case basis.

## COMPLETION

All PLCO participants are included in the MUQ person dataset. The variables MUQ\_STATUS and MUQ\_SUBSTATUS describe who was expected to receive the MUQ and the resulting compliance. 58,895 questionnaires were completed and are available. Participants who completed the MUQ questionnaire are identified by the variable HAS\_MUQ. Participants for whom the MUQ was attempted to be offered are identified by the variable MUQ\_ATTEMPTED.

## DATA AVAILABLE

The MUQ person dataset contains information on aspirin, acetaminophen, and NSAID use, as well as information on prescription drug use. Data available include drug names, duration of use, and frequency of use. The dataset also includes smoking status at time of MUQ completion, as well as smoking status ever which uses combined Baseline Questionnaire (BQ), Supplemental Questionnaire (SQX) and MUQ data. Additionally, the dataset includes weight and BMI at MUQ completion, using participants' height from the SQX or BQ to calculate BMI.

The MUQ drug dataset includes prescription drugs recorded on the MUQ form. Drugs were entered by participants as free text, and were identified using text searches with extensive manual review. The MUQ drug dataset contains one record per identified drug taken per participant taking that drug. The dataset contains a total of approximately 233,000 records, accounting for over 475 unique drugs taken by approximately 53,000 participants. The MUQ drug dataset only includes prescription drugs, and does not include data on aspirin, acetaminophen, or NSAIDs except when those drugs were recorded as prescription drugs.

## MISSING CODES

Missing codes have been standardized to represent the same thing for all variables across all datasets. They are as follows:

CODE	FORMAT	FURTHER EXPLANATION
.A	Ambiguous	Contradictory information resulted in an unclear conclusion.
.F	No Form	The MUQ form was not filled out.
.G	Wrong Gender	The variable only pertains to one gender.
.M	Missing/Not Answered	The question was not answered or data are otherwise missing.
.N	Not Applicable	The variable did not apply to this participant.
.R	Out of Range	The value was considered either too extreme or impossible.