README file for MIDUS APOE Data
May, 2025

The purpose of this memo is to provide basic information about the APOE data generated through the MIDUS Genomics project for participants that completed the MIDUS 2, MIDUS 3, or MIDUS Refresher 1 Biomarker project. This data and related documentation are publicly available via the MIDUS Colectica Portal (https://midus.colectica.org), but are not currently available through ICPSR.

A. What data file is available?
A single data file containing APOE SNPs and genotype information for both MIDUS Core and Refresher participants has been generated and is available through the MIDUS Colectica Portal as an SPSS dataset:

M2M3MR1_GEN_APOE_N1535_20250512.sav

B. What is the structure of the MIDUS APOE Dataset?
The data file is a SPSS dataset comprised of APOE genotype and SNPs along with relevant administrative variables. The file contains 6 variables for 1,535 cases that completed Biomarker project in MIDUS 2, MIDUS 3, or the MIDUS Refresher 1. This dataset did not include the full set of biomarker cases, but only the ones that have APOE data available.

The following documents provide additional information about the data:

M2M3MR1_GEN_APOE_Documentation_20250520: provides general information about the APOE dataset along with technical details.

MR1_M3_Naming and Coding Conventions: is posted with both MIDUS 3 and MIDUS Refresher 1 Survey (Project 1) data and describes conventions for naming and coding variables. It is available at MIDUS Colectica Portal or at ICPSR.

C. ID System

The APOE dataset contains cases from both the MIDUS Core sample (M2 and M3) and MIDUS Refresher sample (MR1), thus it uses a special 5-digit respondent identification variable called 'M2MRID' that combines the 'M2ID' (for core sample) and 'MRID' (for refresher sample). For M2 or M3 cases, the value of the 'M2MRID' variable is identical to 'M2ID' and can be used to link to other MIDUS 1, 2, and 3 datasets. Similarly, for all MR1 cases the value of the

'M2MRID' variable is identical to 'MRID' and can be used to link to other MIDUS Refresher datasets. The data file also includes a variable called 'M2M3MRCASE' that identifies the blood DNA sample source. Data and documentation for *other* MIDUS projects are available through:

1. The public archive at ICPSR
   (http://www.icpsr.umich.edu/icpsrweb/NACDA/studies/36532/version/2)

2. The MIDUS Colectica Portal (http://midus.colectica.org/) which houses interactive codebooks for all the publicly available MIDUS projects. The Portal also includes search and explore functions, links to documentation, and a custom download function.

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Please report any errors or inconsistencies you find in the data or documentation to
midus_help@aging.wisc.edu
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