README file for MIDJA 2 Biomarker Data
(March 8, 2018)

***   It is important to read through this document
prior to using the data and documentation.   ***

The purpose of this memo is to provide basic information about the MIDJA 2 Biomarker data and documentation that are publicly available via ICPSR.

A. What Data Files Are Available?

The MIDJA 2 Biomarker aggregate dataset:
> *MIDJA 2_BIOMARKER_PUBLIC_N=328_10-06-2016.sav*

An additional dataset accompanies this release. Please note this is a ***stacked*** file. That is, there is one row per medication reported, thus the 'N' indicates the total number of medications, not the number of cases:
> *MIDJA2_MEDICATION_STACKED_PUBLIC_N=948_01_07-05-2016.sav*

B. What is the Structure of the MIDJA 2 Biomarker Dataset?

The file is a SPSS (ver. 20) dataset comprised of survey data (self-administered questionnaire), as well as physical exam, physiological, and medication data. The dataset has been initially cleaned, meaning that value ranges and skip patterns have been checked, and data entry errors corrected.

Variables have been named according to the MIDJA Short Variable Name (SVN) conventions. All variables include labels to aide interpretation. Value labels have been applied where appropriate. Discrete missing values have also been defined and the following labels applied: DON'T KNOW, REFUSED/MISSING, and INAPP. The following documents provide additional information about the data:
> *MIDJA Naming and Coding Conventions for Variables_3-7-16:* Describes conventions for naming and coding variables.

> *MIDJA 2 Biomarker DDI Codebook*: provides additional details about each variable (e.g. question text, notes, frequency distributions, etc.). The codebook was created according to DDI (Data Documentation Initiative) standards for linking data and metadata.

Details about the MIDJA2 stacked medication data can be found here:

> *MIDUS-MIDJA Biomarker Medication Documentation 6-17-16* – provides details about details protocols for linking MIDUS and MIDJA medication data to the Lexicomp® Lexi-Data database that contains therapeutic and pharmacologic class codes. It also includes details about coding text data on reasons for taking medications as well construction of related administrative and other variables.

MIDJA2_STACKED_MEDICATION_DDI_CODEBOOK_07-05-2016 – provides additional details about each variable (e.g. question text, notes, frequency distributions, etc.). The codebook was created according to DDI (Data Documentation Initiative) standards for linking data and metadata

C. Documentation Files and Instruments

General Documents:

> *MIDJA Study Acknowledgement:* This document includes sample text for reporting details about funding sources and grant numbers. Please include this information in all publications and presentations using data from the MIDJA study.

> *MIDJA Study Summary:* Project overview contains a description of the sample, and the data collection protocol along with information about sample selection and recruitment, and response rates for both waves of survey and biomarker data collection.

> *MIDJA 2 Clinic Visit Documentation:* Description of data collection protocols implemented during the clinic visit as well as details about subsequent data processing, including blood assay protocols and collection and process of medication data.

Instruments:

> *MIDJA 2 Biomarker SAQ – English*: the biomarker protocol includes collection of additional survey data via a self-administered questionnaire (SAQ) completed at the participants home. The 36 page SAQ contains measures of:
> - Health Conditions (symptom and condition checklist, cancer history)
> - Major Health Events (head, joint, motor vehicle, and other major injury/illness)
> - Pittsburgh Sleep Questionnaire
> - Chronic Pain Assessment
> - Nutrition Assessment (consumption of dairy products, caffeine, water, fruits, vegetables, whole grain, protein (meat, non-meat), fast food)
> - Major Life Events (marital status change, death of family/friends, life event checklist, other events)
> - Psychosocial Measures (Spielberger Trait Anger, Trait Anxiety, Social Obligation, Job Content etc)

> The SAQ is also available in Japanese:
> > *MIDJA 2 Biomarker SAQ – Japanese*

> *Time Preference Questionnaire English:* during the clinic visit participants are asked to complete a short questionnaire assessing preference for receiving or paying out money under specified conditions. This is new at the MIDJA 2 Biomarker data collection.

A Japanese version of the questionnaire is also available:
Time Preference Questionnaire Japanese

D. Additional Information

Constructed scales. Scale scores have been created for the psychosocial constructs assessed in the Self-Administered Questionnaire. In addition, other composite variables have been constructed (e.g. counts of conditions, use of prescription medications). These variables can be found at following the variables used to create the scale score or composite. Details about creating these variables can be found in:
MIDJA 2 Biomarker Documentation of Scales and Constructed Variables

Other Issues. Most of the MIDJA items were taken from the MIDUS study. Some of these items were modified to accommodate cultural differences. The remaining items are unique to MIDJA. Information about these items and issues to be aware of in using these data (e.g. recoding, response or question text modifications) can be found in:
MIDJA 2 Biomarker Data File Notes

E. Merging the MIDJA and MIDUS data

The MIDJA study was designed to facilitate comparisons of health and wellbeing among a Japanese sample with health and wellbeing among a U.S. sample (i.e. MIDUS).   The following documents can be used to identify variables of interest, create a merged data MIDJA-MIDUS dataset, and reformat variables as needed.

Guide to Merging the MIDJA 2 Biomarker and MIDUS Data: this file describes resources that can be used to identify variables of interest as well as tools for renaming/labeling variables into common formats. It also provides an overview of steps to take when merging data from the two studies.

MIDJA 2 Roadmap to MIDJA 1-MIDUS Biomarker (SAQ-Clinic-Meds): this tabular file provides side-by- side comparisons of MIDJA 1, MIDJA 2 and MIDUS variables. There are 4 sections, one each for the SAQ data and Clinic Visit data, and 2 sections for Medication data. In general these sections provide details about question numbers, variable names and question text (in Japanese and English respectively, as appropriate) to help users identify variables of interest in the two data sets.

MIDUS data and documentation are publicly available at ICPSR (Inter-university Consortium for Political and Social Research) in the National Archive of Computerized Data on Aging (NACDA) at:
http://www.icpsr.umich.edu/icpsrweb/NACDA/studies?archive=NACDA&q=MIDUS