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**Folder:** Folder Name

**Description:** Folder Description

**Subfolder 1**

Document.docx

Document description.

**Folder:** Editable Figures & Figures

**Description:** Editable files for the figures and tables throughout the manuscript.

**Editable Figures** – Editable figure documents.

All Figures.pptx

A single PowerPoint containing all five figures in the manuscript.

Figure 1 - Hypothesized Model.pptx

A PowerPoint file of Figure 1 in the manuscript.

Figure 2 - Measurement Model.pptx

A PowerPoint file of Figure 2 in the manuscript.

Figure 3 - Structural Model.pptx

PowerPoint file of Figure 3 in the manuscript.

Figure 4 - Gender Moderation.pptx

A PowerPoint file of Figure 4 in the manuscript.

Figure 5 – Mediations.pptx

A PowerPoint file of Figure 5 in the manuscript.

**Editable Tables** – Editable table documents.

All Tables.xlsx

A single Excel spreadsheet containing all six tables in the manuscript.

Table 1 - Demographic Variables.xlsx

An Excel file of Table 1 in the manuscript.

Table 2 - Descriptive Statistics.xlsx

An Excel file of Table 2 in the manuscript.

Table 3 - Fit Indices.xlsx

An Excel file of Table 3 in the manuscript.

Table 4 - Measurement Models.xlsx

An Excel file of Table 4 in the manuscript.

Table 5 - Structural Models.xlsx

An Excel file of Table 5 in the manuscript.

Table 6 - Mediations & Indirect Effects.xlsx

An Excel file of Table 6 in the manuscript.

**Supplemental Materials** – Editable documents for the supplemental tables and figures.Supplemental Table 1.xlsx

An Excel file of Supplemental Table 1 in the manuscript.

Supplemental Table 2.xlsx

An Excel file of Supplemental Table 2 in the manuscript.

Supplemental Figure 1.pptx

A PowerPoint file of Supplemental Figure 1 in the manuscript.

**Folder:** Final Cleaned Data

**Description:** Datasets containing all of the variables used in the current study. The names here correspond to the syntax in SPSS. If you change these names upon download, the SPSS syntax will not work unless you update the names in the syntax too.

Data with Noncompleters.sav

An SPSS data file with all of the variables used in the study, including participants who completed the study and those who did not complete the study. This dataset contains a variable named “completer” (1 = completed the study or 0 = did not complete the study) to differentiate those who completed and those who did not complete the study (also containing missing data), and those used for the reduction analyses.

Data without Noncompleters.sav

An SPSS data file with all of the variables used in the study, excluding participants who did not complete the study, and those used for the reduction analyses.

**Reduction in MOBC Datasets** – Datasets to assess changes in measures throughout the study.

FullReduct.sav

An SPSS data file for use in the MOBC reduction analyses.

MenReduct.sav

An SPSS data file for use in the MOBC reduction analyses for men only.

Spaghetti Plot.sav

An SPSS data file was used to build the spaghetti plots in Supplementary Figure 1.

WomenReduct.sav

An SPSS data file for use in the MOBC reduction analyses for women only.

**Folder:** Full Statistical Output

**Description:** Raw output of all analyses used in the manuscript.

R Full Results.docx

A Word document containing the output of the analyses we conducted in R, formatted for readability.

R Full Results.pdf

A PDF document containing the output of the analyses we conducted in R, formatted for readability.

SPSS Full Results.htm

A webpage file containing the output of the analyses we conducted in SPSS. You can use any standard web browser (e.g., Chrome, Firefox, or Edge) to open this file.

SPSS Full Results.pdf

A PDF document containing the output of the analyses we conducted in SPSS. The results are somewhat difficult to read in this document, but we provided it for those who want it or cannot open the other files. The HTM version is the best version for those without SPSS.

SPSS Full Results.spv

A SPSS output file containing the output of the analyses we conducted in SPSS. This document contains additional details not exported into the other documents, including nonrounded values and editable tables.

**Folder:** Isolated Raw Data (Timing for Current Study)

**Description:** Separate datasets for each of the variables we used in the study with only the data for the correct timing used in the models (i.e., baseline, mid-treatment, end-of-treatment, and follow-up). The names here correspond to the syntax in SPSS. If you change these names upon download, the SPSS syntax will not work unless you update the names in the syntax too.

T1 CUD Severity.sav

An SPSS file containing the Obsessive Compulsive Cannabis Use Scale items and scale score at baseline.

T2 Cannabis Use.sav

An SPSS file containing the cannabinoid and creatinine urine concentration items and scale score at mid-treatment.

T2 Cravings.sav

An SPSS file containing Marijuana Cravings Questionnaire items and scale score at mid-treatment.

T3 Anxiety & Depression.sav

An SPSS file containing the Hospital Anxiety & Depression Scale at the end of treatment.

T3 Problems.sav

An SPSS file containing the Marijuana Problems Scale at the end of treatment.

T4 Quality of Life

An SPSS file containing the PROMIS Health-Related Quality of Life at the follow-up.

**Folder:** Materials & Documentation (ACCENT Clinical Trial)

**Description:** Documents containing information on the ACCENT clinical trial and the original dataset.

[ACCENT Dataset Descriptions.pdf](#)

A PDF document containing brief descriptions of the datasets from the ACCENT clinical trial.

[Data Dictionary.xlsx](#)

An Excel spreadsheet containing the variable names and meanings from the ACCENT clinical trial.

[Demographic Form.pdf](#)

A PDF document of the demographic questions used in the ACCENT clinical trial. This document also contains the inclusion and exclusion criteria.

[Measures, Assessments, & Questions.pdf](#)

A PDF document of all of the measures, assessments, and questions with when the participants responded to them during the ACCENT clinical trial.

[Deidentification Notes.pdf](#)

A PDF document of the process of deidentifying the ACCENT clinical trial data.

**Folder:** Materials & Documentation (Current Study)

**Description:** Documents containing information on the measures used in the current study.

These documents contain all questions the participants answered in the current study.

T1 Demographic Form.pdf

A PDF document of the demographic questions used in the current study. Participants completed this demographic form at the baseline.

T1 Obsessive Compulsive Cannabis Use Scale.pdf

A PDF document of the items of the Obsessive Compulsive Cannabis Use Scale (OCCUS), which we used to measure the severity of cannabis use disorder and refer to as “CUD Severity” in the models and results. Participants completed this measure at the baseline.

T2 ARCHITECT.pdf

A PDF document containing detailed information on the ARCHITECT c4000 system for immunoassay testing, which we used to measure urine cannabinoid and creatinine concentrations and refer to as “Use” in the models and results. Participants completed this measure during mid-treatment.

T2 Marijuana Cravings Questionnaire.pdf

A PDF document of the items of the Marijuana Cravings Questionnaire (MQC), which we used to measure cannabis cravings and refer to as “Cravings” in the models and results. Participants completed this measure during mid-treatment.



T3 Hospital Anxiety & Depression Scale.pdf

A PDF document of the items of the Hospital Anxiety and Depression Scale (HADS), which we used to measure anxiety and depression. In the models and results, we refer to anxiety as “Anxiety” and depression as “Depression.” Participants completed this measure at the end of treatment.

T3 Marijuana Problems Scale.pdf

A PDF document of the items of the Marijuana Problems Scale (MPS), which we used to measure problems from cannabis use and refer to as “Problems” in the models and results. Participants completed this measure at the end of treatment.

T4 PROMIS Health-Related Quality of Life.pdf

A PDF document of the items of the PROMIS Health-Related Quality of Life (PROMIS-HR-QOL), which we used to measure problems from cannabis use and refer to as “QOL Challenges” in the models and results. Participants completed this measure at the follow-up.

**Folder:** Raw Data

**Description:** SPSS files containing the data as they were given to the first author for analysis in the current study.

T1 CUD Severity.sav

An SPSS file containing the Obsessive Compulsive Cannabis Use Scale items and scale score at each time point measured in the ACCENT clinical trial.

T1 Demographics.sav

An SPSS file containing the demographic form responses score at each time point measured in the ACCENT clinical trial.

T2 Cannabis Use.sav

An SPSS file containing the cannabinoid and creatinine urine concentration items and scale score at each time point measured in the ACCENT clinical trial.

T2 Cravings.sav

An SPSS file containing Marijuana Cravings Questionnaire items and scale score at each time point measured in the ACCENT clinical trial.

T3 Anxiety & Depression.sav

An SPSS file containing the Hospital Anxiety & Depression Scale items and scale score at each time point measured in the ACCENT clinical trial.

T3 Problems.sav

An SPSS file containing the Marijuana Problems Scale items and scale score at each time point measured in the ACCENT clinical trial.

T4 Quality of Life

An SPSS file containing the PROMIS Health-Related Quality of Life items and scale score at each time point measured in the ACCENT clinical trial.

**Folder: R Data**

**Description:** SPSS files containing the data organized for use in R for analyses. The names here correspond to the syntax in R. If you change these names upon download, the R syntax will not work unless you update the names in the syntax too.

FullMVN.sav

An SPSS file containing only the data for all variables used in the path analyses from both men and women. We used this dataset with the MVN package to check multivariate normality in the full sample.

FullReduct.sav

An SPSS data file for use in the MOBC reduction analyses.

Men.sav

An SPSS file that is a modified version of the Data without Noncompleters.sav containing only men. We used this dataset with the lavaan, lavaanPlot, semTools, semPower, and devTools packages for conducting the path analyses and estimating power.

MenMVN.sav

An SPSS file containing only the data for all variables used in the path analyses for men only. We used this dataset with the MVN package to check multivariate normality in the full sample.

MenReduct.sav

An SPSS data file for use in the MOBC reduction analyses for men only.

MultigroupData.sav

An SPSS file that is a modified version of the Data without Noncompleters.sav containing the full sample and a group membership variable labeled “MG” (i.e., multigroup) to identify men (1) and women (2). We used this dataset with the lavaan, lavaanPlot, semTools, and devTools packages for conducting the multigroup path analyses and moderation.

#### RData.sav

An SPSS file that is equivalent to the Data without Noncompleters.sav. We used this dataset with the lavaan, lavaanPlot, semTools, empower, and devTools packages for conducting the path analyses for the full sample and estimating power for the sample with both men and women.

#### Women.sav

An SPSS file that is a modified version of the Data without Noncompleters.sav containing only women. We used this dataset with the lavaan, lavaanPlot, semTools, semPower, and devTools packages for conducting the path analyses and estimating power for the women sample.

#### WomenMVN.sav

An SPSS file containing only the data for all variables used in the path analyses for women only. We used this dataset with the MVN package to check multivariate normality in the full sample.

#### WomenReduct.sav

An SPSS data file for use in the MOBC reduction analyses for women only.

**Folder:** R Documentation

**Description:** The documentation for R and the R packages used in the current study. The files contain detailed information on how the programs work and their functionality.

**Package Documentation** - The documentation for the R packages used in the current study.

[devtools v.2.4.5 Manual.pdf](#)

A PDF documentation of the devtools v.2.4.5 package used in the current study. This package contains foundational tools that R and the other packages use.

[lavaanPlot v.0.6.2 Manual.pdf](#)

A PDF documentation of the lavaanPlot v.0.6.2 package used in the current study. This package builds a figure of the path analysis for quick viewing to ensure your syntax is correct.

[lavaan v.0.6-12 Manual.pdf](#)

A PDF documentation of the lavaan v.0.6-12 (i.e., latent variable analysis) package used in the current study. This package conducts path analyses and their various functions.

[MVN v.5.9 manual.pdf](#)

A PDF documentation of the MVN v.5.9 package used in the current study. This package assesses for univariate and multivariate normality.

[semPower v.1.2.0 Manual.pdf](#)

A PDF documentation of the semPower v.1.2.0 package used in the current study. This package contains the functions for various types of structural equation modeling path analyses.

[semTools v.5-6 Manual.pdf](#)

A PDF documentation of the semTools v.5-6 package used in the current study. This package contains the additional functions that the lavaan v.0.6-12 package does not contain (e.g., hypothesis tests for standardized parameter estimates).

**R Version 4.2.2 Documentation** - The documentation for R.[Import & Export Data.pdf](#)

A PDF documentation of importing and exporting data to and from R.

[Introduction to R.pdf](#)

A PDF document containing comprehensive details on how to use R.

[Language Definitions.pdf](#)

A PDF document containing comprehensive details on R syntax.

[Reference Index.pdf](#)

A PDF document containing comprehensive definitions and codes of basic functionality and packages used in R syntax.

**Folder:** SPSS Version 28 Documentation

**Description:** The documentation for SPSS and the SPSS analyses used in the current study. The files contain detailed information on how SPSS works, its functionality, and its algorithms.

Algorithms.pdf

A PDF documentation of the algorithms SPSS uses to produce its output.

Bootstrapping.pdf

A PDF document containing comprehensive details on bootstrapping with SPSS.

Categorical Analyses.pdf

A PDF document containing comprehensive details on categorical analysis (e.g.,  $\chi^2$ ) with SPSS.

Data Preparation.pdf

A PDF document containing comprehensive details on importing, manipulating, set up, and exporting data with SPSS.

Group Inference.pdf

A PDF document containing comprehensive details on assessing group differences (e.g., independent samples  $t$ -tests) with SPSS.

Missing Values.pdf

A PDF document containing comprehensive details on the different ways SPSS addresses missing data.



**Folder:** Syntax

**Description:** Program-specific documents containing all of the syntax used for the analyses in the current manuscript.

R Syntax.R

An R syntax file containing all of the analyses we conducted in R, such as the path analyses, multivariate normality, and power.

SPSS Syntax.sps

An SPSS syntax file containing all of the analyses we conducted in SPSS, such as the descriptive statistics, correlations, and independent samples *t*-tests.