Table of Contents

[Battery Changes 2](#_Toc497996964)

[Data Cleaning 5](#_Toc497996965)

[General Notes 5](#_Toc497996966)

[Phone Data Files 5](#_Toc497996967)

[Qualtrics Screen Battery 5](#_Toc497996968)

[Qualtrics Intake Battery 8](#_Toc497996969)

[Qualtrics Followup12 Battery 10](#_Toc497996970)

[Qualtrics Followup 3 Battery 11](#_Toc497996971)

[Qualtrics Sleep Schedule Battery 13](#_Toc497996972)

[Qualtrics EMA Morning Battery 14](#_Toc497996973)

[Qualtrics EMA Later Battery 15](#_Toc497996974)

[Audio Transcripts 15](#_Toc497996975)

[SMS 16](#_Toc497996976)

[Voice Calls 16](#_Toc497996977)

[Battery Recoding Appendix 17](#_Toc497996978)

# Battery Changes

2/24/17: The skip pattern for the second to last survey (Dyadic Adjustment Scale) in the ID Intake Battery-RISK was entered in incorrectly. It skipped to the end of the battery, instead of the end of the survey block, when the participant endorsed not currently having a spouse/significant other. The skip pattern has been corrected.

3/2/17: The UTC timestamps were missing from completed ID Screen Battery-RISK and ID Intake Battery-RISK. Susan added the UTC time stamps to these batteries.

3/6/17-The carry forward and display logic in the WHO-ASSIST survey, located in the ID Screen Battery-RISK, was corrected by Susan.

4/4/17: John reviewed and approved the revised EMA Morning Battery-RISK and EMA Later Battery-RISK. One new question was added to these batteries. The new question is below:  
EMAM\_1.5 & EMAL\_1.5 Is your goal still to remain abstinent in the future?

4/11/2017: John reviewed and approved Demographics II (DEM2) survey, a new measure that will be collected at the in-person screen, and resides within the ID Screen Battery-RISK.

4/11/2017: John reviewed and approved the revised Monthly Addiction Monitor (MAM). Ten new questions were added to the MAM. The MAM resides within the ID Intake Battery-RISK and ID Followup 1 & 2 Battery-RISK. The new questions are below:

MAM\_1.3 Who do you live with? Check all that apply.

* Spouse/Significant Other
* Child/Grandchild
* Parent
* Other Relative
* Non-Relative

MAM\_1.4 You selected that you live with a child/grandchild. How many children/grandchildren live in your household?   
MAM\_1.5 You selected that you live with a parent. How many parents live in your household?   
MAM\_1.6 You selected that you live with a other relative. How many other relatives live in your household?   
MAM\_1.7 You selected that you live with a non-relative. How many non-relatives live in your household? MAM\_11 Have you been enrolled in other counseling in the past 30 days (don’t include drug and alcohol abuse counseling sessions)? No/Yes  
MAM\_12 How many days have you attended other counseling in the past 30 days?   
MAM\_19 **Have you taken any prescribed other psychiatric medication in the past 30 days (for mental illness other than alcohol and drug addiction)?  No/Yes  
MAM\_20 On how many days did you take your other psychiatric medication directly as prescribed in the past 30 days?  
MAM\_22** Is your goal still to remain abstinent in the future? No/Uncertain/Yes

05/09/2017: John corrected item numbering for follow-up questions for MAM1. They previously went 1.1, 1.2, 1.4. Corrected to be sequential. This required updates to the Data cleaning log below. These updates were completed as well.

5/12/2017: EMAL recoded:

* updated EMAL\_1 so that No = 1 and Yes = 2
* updated EMAL\_1.5 so that No=1; Uncertain=2; Yes=3
* Updated the manual responses entered below.

5/15/2017: EMAM recoded:

* updated EMAM\_1 so that No = 1 and Yes = 2
* updated EMAM\_1.5 so that No=1; Uncertain=2; Yes=3
* Updated the manual responses entered below.

5/15/2017: ID Screen Battery recoded. See Appendix at end of this document.

* 6/8/2017 - Items below updated to reflect new coding.

5/17/2017: ID Intake Battery recoded. See Appendix at end of this document.

* 6/8/2017 - Items below updated to reflect new coding.

5/17/2017: Session Form Intake Battery, Session Form Follow-up 1&2, and Session Form Follow-up 3 recoded. See Appendix at end of this document.

No data changes needed below.

5/17/2017: ID Follow-up 1&2 & ID Follow-up 3 recoded. See Appendix at end of this document.

5/24/17: Changes made to the ID Follow-up 1 &2 Battery-RISK. The display logic for question MAM\_1.3, in the Monthly Addiction Monitor survey (MAM), was missing. MAM\_1.3 was displayed if the participant answered No/Yes to question MAM\_1.2. However, MAM\_1.3 should only display if a participant responds No to MAM\_1.2. The display logic has been added.

6/12/2017 – Spelling corrections: No data updates needed.

* DEM\_8 corrected “martial” to “marital” in (in battery and survey).
* AUH\_14 corrected once to ounce

6/13/2017 – Updated Dem2 to remove Yes/No questions and just ask text boxes for number of living/deceased parents and children. Intentionally did not renumber questions in the battery. Also updated the survey and DID renumber the questions. Data updates are needed as noted above

6/15/2017 – Changes to eligibility coding and eligibility page

Study staff noticed inaccuracies with scoring for eligibility criteria. Changes were made to coding in Qualtrics as follows:

-Changed eligibility to DSM5 scored greater than or equal to 4

-changed coding for DSM5 scoring to reflect the 11 items

-checked that new DSM5 scoring is working correctly and that eligibility screen is accurate – done 6/16/2017 by Jill

-Changes to the SCL90 scoring for Paranoia and Psychosis coding and removed as eligibility criteria – updated to “…cut score for further evaluation”

-Paranoia and Psychosis changed to par and psy on eligibility page

-added “Please hand the iPad to study staff” page after “Thank you for completing this survey. Please hand the iPad to study staff” (page breaks do not work as added blank pages).

-recoded for flagging of questions “thoughts of ending your life” and “thoughts of death and dying” only if positively endorsed

6/21/2017 – Participant 005 Moves account not set up under a username and password before leaving intake. We reached the participant by phone and had them set up the account. We checked that the account was enabled under the Moves log-in, and saw that data integrity doesn’t appear to be compromised as there was data recorded for the two days prior to setting up the username and password.

Username: [uwarcrisk+5@gmail.com](mailto:uwarcrisk+5@gmail.com)

Password: notgh$2017

8/3/2017-Add Business Contact to contact forms.

8/3/2017 Began collecting upcoming vacation dates from participants

10/4/2017-All study participants began receiving daily EMAs via Survey Signal instead of Onereach.

11/1/2017-Began using a R script to check for unreported contacts and locations. Prior to this date we verbally asked participants to let us know if they had any new/unreported locations and contacts to share with us at follow-up visits #1 and #2. This new procedure was first implemented with participant 015.

12/1/2017-Began checking unreported contacts and locations during follow-up visits #3 using a R script. Prior to this date we verbally asked participants if they had any new/unreported contacts and locations at follow-up visits #1 and #2 only. This new procedure was first implemented with participant 015.

12/7/17-the EMA Later and EMA Morning Surveys. Question: EMAM\_1.5 and EMAL\_1.5 -(Is your goal still to remain abstinent in the future?) was not created to be a force response question. This means that if a participant selected Yes to drinking, which is the only reason why the abstinence goal question appears, they can leave the abstinence goal question blank. To date, only two participants have reported yes to drinking and left the abstinence goal question blank (025 on 12/4 and 007 on 7/13). Additional checking to confirm that this issue only occurred with two participants is recommended.

This issue was fixed by making EMAM\_1.5 and EMAL\_1.5 a force response question. All the other questions in these surveys were already marked forced response.

12/8/17 A back button was added to the EMA Morning and EMA Later survey on 12/8/17 to allow participants who erroneously answer any of the survey questions an opportunity to select the back button to correct their response. Ideally, this change will lead to less partially complete surveys.   
  
3/8/2018. Assist\_8 in ID battery was corrected to force response

5/17/2018 DEM\_7 in Screen ID battery was corrected to force response

11/15/2018- Date of last API download of beddit data.

11/26/2018-Force response was removed for the beddit items in the RISK burden measure in the ID Followup 1 & 2 Battery, and ID Followup3 Battery.

# October 2019: Collection of SMS and Voice files changed for iPhone users. See Study Protocol.

# Data Cleaning

## General Notes

Data errors that need to be corrected are added in normal black text. After John provides code to fix the error, he will change the color to green to indicate it has been completed.

## Qualtrics Screen Battery

6/12/2017 - **001**-Update UTC Time Stamp for screen battery: 1487176523

**001**-A new measure was added to the screening battery after participant completed his screening session on 2/1/17. Participant completed the new measure-Demographics II (DEM2)-retrospectively during his follow-up #2 visit on 5/1/2017. Below are the responses:

|  |  |
| --- | --- |
| Demographics II | Response Value |
| DEM2\_2 | 2 |
| DEM2\_4 | 0 |
| DEM2\_6 | 0 |
| DEM2\_8 | 0 |

6/8/2017 – Updated to reflect new recoding.

6/12/2017 - **002**-Update UTC Time Stamp for screen ID battery: 1487364008

**002-**Incorrect carry-forward responses were in the WHO-ASSIST when participant completed this measure at screen. The issue is now fixed. Participant missed WHO-ASSIST question #3 and #4. The missing questions were completed by participant at intake. Below are the responses:

|  |  |
| --- | --- |
| ASSSIST\_3 | Response Value |
| ASSIST\_3\_x1 | 1 |
| ASSIST\_3\_x2 | 1 |
| ASSIST\_3\_x3 | 1 |
| ASSIST\_3\_x4 | 1 |
| ASSIST\_3\_x5 | 1 |
| ASSIST\_3\_x6 | 1 |
| ASSIST\_3\_x7 | 1 |
| ASSIST\_3\_x8 | 1 |

6/8/2017 – Updated to reflect new recoding.

|  |  |
| --- | --- |
| ASSSIST\_4 | Response Value |
| ASSIST\_4\_x1 | 1 |
| ASSIST\_4\_x2 | 1 |
| ASSIST\_4\_x3 | 1 |
| ASSIST\_4\_x4 | 1 |
| ASSIST\_4\_x5 | 1 |
| ASSIST\_4\_x6 | 1 |
| ASSIST\_4\_x7 | 1 |
| ASSIST\_4\_x8 | 1 |

6/8/2017 – Updated to reflect new recoding.

**002**-A new measure was added to the screening battery after participant completed her screening session on 2/17/17. Participant completed the new measure-Demographics II (DEM2)- retrospectively during her follow-up #1 visit on 4/21/2017. Below are the responses:

|  |  |
| --- | --- |
| Demographics II | Response Value |
| DEM2\_2 | 2 |
| DEM2\_4 | 1 |
| DEM2\_6 | 4 |
| DEM2\_8 | 0 |

6/8/2017 – Updated to reflect new recoding. .

**003**-A new measure was added to the screening battery after participant completed her screening session on 3/7/17. Participant completed the new measure-Demographics II (DEM2)-retrospectively during her follow-up #1 visit on 4/26/17. Below are the responses:

|  |  |
| --- | --- |
| Demographics II | Response Value |
| DEM2\_2 | 4 |
| DEM2\_4 | 0 |
| DEM2\_6 | 0 |
| DEM2\_8 | 0 |

6/8/2017 – Updated to reflect new recoding.

6/12/2017 - **003** - Add UTC Time Stamp for screen battery: 1488906926

06/21/2017: ID Screen Battery-RISK-The screen for subject 009 incorrectly had a subID ‘JohnsonHurwitz;Nagler’ John Retook the response to correct this but it changed the UTC time stamp. The UTC time stamp for 009 should be 1498062441

06/29/2017: ID Screen Battery-RISK- The screen dated June 29, 2017 (UTC= 1498754567) has an incorrect SUBID or 008. It should be 010.

10/16/2017: ID Screen Battery-RISK – Participant 020 was completing the ID Screen Battery and unintentionally checked “Other” under AUH\_6 and put NA in the box for AUH\_6.1. The responses for those items should be as follows:

* AUH\_6: 020 checked the box marked Other, it should not be checked
* AUH\_6.1: 020 entered NA, the box should be blank

10/17/2017: ID Screen Battery-RISK – There are two screen batteries dated October 17, 2017 with the SUBID 022. They are both real subjects, but the screen battery started at 10:55 PM GMT should have the SubID 023. UPDATE 12/5/2017 – the Sub ID has been edited in Qualtrics UPDATE2: 3/26/2018- We are now fixing this in R too b/c edits aren’t present in API download

10/31/2017: ID Screen Battery – RISK – Participant 028 completed the ID Screen Battery and then notified staff that they had answered AUH Question #10 inaccurately because they were not given the option to put in a 0. The response for the item should be as follows:

* AUH\_10: 028 marked answer 1, it should be 0

3/13/2018: ID Screen Battery – RISK – Participant 052 reported that they incorrectly answered some of the questions on the WHO-ASSIST V3.0 regarding opioid use. The participant said that they take opioids as prescribed by a doctor, and so the answers regarding opiates should be disregarded.

The specific questions are:

* ASSIST\_1\_8: marked Opioids as yes, it should be no

3/27/2018: ID Screen Battery – RISK – Participant 034 forgot to answer the ASSIST\_8 question. Staff followed up at Follow Up 3. The response for the item should be as follows:

* ASSIST\_8: Have you ever used any drug by injection? (Non-Medical Use Only)? Answer is No, never

4/26/2018: ID Screen Battery (UTC: 1524777896) – RISK – Participant 059 answered AUH\_4 incorrectly. The response for the item should be as follows:

* AUH\_4: How old were you when you first believed that you had a drinking problem? 40

5/7/2018: Participant #055 called to discontinue with the study as they were entering an inpatient treatment center and would not have access to their cell phone. Their last EMAL was recorded 4/21/2018. On 5/2/2018 the participant called back to re-enroll and completed a condensed intake visit. Their new SubID is #061. Their Screen ID Battery (completed on 3/27/2018) needs to have the SubID changed from 055 to 061.

5/23/2018: Participant #064 – AUH\_8. Participant noted in ID Screen Battery their sobriety date was 3/14/2018. When asked by RA during session, they stated their sobriety date was 5/14/2018 (specifically stated the Monday after Mother’s Day).

6/21/2018: There are 2 Screen Batteries with Sub ID 79. The Screen Battery with UTC 1528920481 has the correct Sub ID (79). The Screen Battery with UTC 1529615510 has the incorrect Sub ID, it should be 78.

8/20/2018. Participant 103 answered DEM2\_2 as ,1. Corrected to 1. Then needed to reclass DEM2\_2 as numeric from char

081: Participant responded to question DEM2\_6 incorrectly. She made a typo and entered 40, she meant to enter 4. –Candace

10/15/2018: The Screen Battery date 10/15/2018 with UTC 1539634716 has an incorrect sub ID of 149. The correct sub ID for this screen should be 150. -Jill

10/26/2018 – SubID 155: Partial response to ID Screen Battery. Responses to the survey seemed questionable as to whether the participant was being honest and reading the questions as they responded. The participant took approximately 2.5 hours to complete 78% of the survey before research staff ended the session. The participant had alerted the research staff twice during the course of the survey that they had been locked out of the iPad, and when the research staff entered the room to end the session they witnessed the participant quickly tapping on random bubbles without reading the questions. The participant was given a pending eligibility status, but has been deemed ineligible due to dishonest responses to the ID Screen Battery and for noticeably exceeding an appropriate amount of time to complete the survey. – Kerry

1/18/2019-A screen was completed with participant 173. The DataType field was left empty. “Real” should have been selected. –Candace

2/12/2019- A screen was completed with participant 190 on 2/12/2019. He answered “Quite a bit” for Thoughts of ending your life (Item #15) on the SCL-90, however he reported that this was an accident. He stated that he has no thoughts of ending his life and that he should have responded “not at all.” –Candace

2/27/2019-A screen was completed on 2/11/2019 with participant #187. The subId and study name column were switched. In error, the screen was retaken to fix this mistake and changed the screen completion date to 2/26/2019. –Candace JJC changed UTC to 1549044060 (12:01pm on 2/11)

## Qualtrics Intake Battery

**001**-Participant completed the intake ID battery on 2/23/17. The last survey in the battery was not completed-the Multidimensional Scale of Perceived Social Support (MSPSS). The skip pattern for the second to last survey (Dyadic Adjustment Scale) was entered in incorrectly. It skipped to the end of the battery, instead of the end of the survey block, when the participant endorsed not currently having a spouse/significant other. The skip pattern has been corrected. Participant took MSPSS survey on paper on 03/01/17. The paper data needs to be added to participant’s intake battery. The survey is in the participant's study folder in the RISK filing cabinet.

|  |  |
| --- | --- |
| Item# | Response Value |
| MSPSS\_1 | 5 |
| MSPSS\_2 | 5 |
| MSPSS\_3 | 6 |
| MSPSS\_4 | 5 |
| MSPSS\_5 | 5 |
| MSPSS\_6 | 5 |
| MSPSS\_7 | 5 |
| MSPSS\_8 | 5 |
| MSPSS\_9 | 5 |
| MSPSS\_10 | 5 |
| MSPSS\_11 | 5 |
| MSPSS\_12 | 5 |

6/8/2017 – No updates needed for recoding.

**001**-Add UTC Time Stamp for intake ID battery: 1487877413

**001**-New questions were added to the Monthly Addiction Monitor (MAM) measure, which is asked at intake, follow-up#1, and follow-up #2, after participant completed his intake and follow-up#1 visit. Participant answered the new questions retrospectively during his follow-up #2 visit on 5/1/17. Below are the responses to the new questions (His retrospective responses for intake are below)

|  |  |
| --- | --- |
| Monthly Addiction Monitor (MAM) | Response Value |
| MAM\_1.3 | 5 |
| MAM\_1.7 | 1 |
| MAM\_11 | 2 |
| MAM\_12 | 2 |
| MAM\_19 | 2 |
| MAM\_20 | 30 |
| MAM\_22 | 2 |

6/8/2017 – Updated to reflect new recoding.

**002**-New questions were added to the Monthly Addiction Monitor (MAM) measure, which is asked at intake, follow-up#1, and follow-up #2, after participant completed the intake visit. Participant answered the new questions for intake retrospectively during her follow-up #1 visit on 4/21/2017. Below are the responses to the new questions:

|  |  |
| --- | --- |
| Monthly Addiction Monitor (MAM) | Response Value |
| MAM\_1.3 | 1, 2 |
| MAM\_1.4 | 4 |
| MAM\_11 | 2 |
| MAM\_12 | 0 |
| MAM\_19 | 2 |
| MAM\_20 | 30 |
| MAM\_22 | 3 |

6/8/2017 – Updated to reflect new recoding

**003**-New questions were added to the Monthly Addiction Monitor (MAM) measure, which is asked at intake, follow-up#1, and follow-up #2, after participant completed her intake visit. Participant answered the new questions retrospectively for her intake during her follow-up #1 visit on 4/26/17. Below are the responses to the new questions:

|  |  |
| --- | --- |
| Monthly Addiction Monitor (MAM) | Response Value |
| MAM\_1.3 | 1, 5 |
| MAM\_1.7 | 2 |
| MAM\_11 | 2 |
| MAM\_12 | 4 |
| MAM\_19 | 2 |
| MAM\_20 | 14 |
| MAM\_22 | 3 |

6/8/2017 – Updated to reflect new recoding.

3/15/18, Participant 033 did not answer item MAM\_22 on the intake battery as the item was not set to forced response. RA collected this missing data during participant’s final study visit on 3/15/18. The participant answered “yes” to this item.

10/11/2018. JJC found that participant 137 at UTC ==1538421324 had a text entry for MAM\_10 of ‘,0’. Changed to 0

3/1/2019-Participant #197 reported to RA that he forgot to select Child/Grandchild for item MAM\_1.3. MAM\_1.4 should be 2. –Candace

4/9/2019-215 completed his intake visit. RA incorrectly entered the study name. It says 215 for study name. It should say RISK.

3/7/2019. JC observed that UTC is missing for 173’s intake. Using the end time of their survey, putting in a UTC of 1549043340

## Qualtrics Followup12 Battery

**001**-New questions were added to the Monthly Addiction Monitor (MAM) measure, which is asked at intake, follow-up#1, and follow-up #2, after participant completed his intake and follow-up#1 visit. Participant answered the new questions retrospectively during his follow-up #2 visit on 5/1/17. Below are the responses to the new questions (His retrospective responses for followup1 are below)

|  |  |
| --- | --- |
| Monthly Addiction Monitor (MAM) | Response Value |
| MAM\_1.3 | 5 |
| MAM\_1.7 | 1 |
| MAM\_11 | 2 |
| MAM\_12 | 2 |
| MAM\_19 | 2 |
| MAM\_20 | 30 |
| MAM\_22 | 2 |

**6/9/2017 - VERIFIED AGAINST PAPER FORM and updated**

003- MAM\_1.2 answered incorrectly.   
5/24/17 (Follow-Up#2) Participant responded “yes” to MAM\_1.2 (Do you live alone?), but her response should have been “no.” This error was caught by Candace when reviewing the participant’s data. Participant then proceeded to question MAM\_1.3 (Who do you live with? Check all that apply?) and indicated who she lived with. Participant was able to move to MAM\_1.3 because the display logic for question MAM\_1.3, in the Monthly Addiction Monitor survey (MAM), was missing. MAM\_1.3 was displayed if the participant answered No/Yes to question MAM\_1.2. However, MAM\_1.3 should only display if a participant responds No to MAM\_1.2. The display logic has now been added.

033 followup2 is missing UTC. Calculated from start time as 1519142940

033-MAM\_1 .3 answered incorrectly.  
1/11/18 (Follow-up #1; UTC = 1515684753) Participant should have selected **Child/Grandchild in addition to Spouse/Significant Other** when answering MAM\_1.3 (Who do you live with? Check all that apply?). MAM\_1.4 did not display because MAM\_1.3 was incorrectly answered. MAM\_1.4 should be **4** as the participant has 4 children who live in her household.

4/24/2018: Participant 042 was incorrectly given the RISK Intake ID battery instead of the Follow Up 1&2 ID battery at their Follow Up 1 visit. This latter (incorrect) ID battery has UTC = 1523911892. Their responses were replicated in the Follow Up 1&2 battery (UTC: 1524606662), however we are missing answers for the WHO-ASSIST V3.0, and the RISK Burden Measure (RBM). The WHO-ASSIST V3.0 and the RISK Burden Measure (RBM) are missing as they are not part of the Intake ID Battery, and the mistake was not found until 4/23/2018.

UTC for Follow Up 1 Battery should be:

Survey Start time: 1523911892

Survey End time: 1523913360

7/17/2018

Had to retake F12 response for subject 054 to correct use of emoji. UTC needs to change from 1531847769 back to 1524770168. Start date needs to change from 7/17/2018 5:16PM to 4/26/2018 6:23PM [NOTE: start date not changed in cleaning script b/c currently not included among variables retained

12/4/2018-Paricipant 156 completed his follow-up #1 appointment. This participant was never registered for a beddit account and never utilized the beddit in the study. Instead of skipping survey items RBM\_5, RMB\_6, and RBM\_7 he answered “disagree.” These items should be deleted from the participant’s data set as these questions are not applicable to the participant. –Candace

12/04/2018 – Participant 135 completed their follow-up 2 appointment. The participant has been using their Beddit, but was not registered for an account. They responded to survey items RBM\_5, RBM\_6, and RBM\_7 as “disagree”, “agree”, and “disagree”, respectively. These items should be deleted from the participant’s data set as these questions are not applicable to the participant. – Kerry

12/04/2018 – Participant 136 completed their follow-up 2 appointment. The participant has been using their Beddit, but was not registered for an account. They responded to survey items RBM\_5, RBM\_6, and RBM\_7 as “undecided”, “undecided”, and “agree”, respectively. These items should be deleted from the participant’s data set as these questions are not applicable to the participant. – Kerry

12/04/2018 – Participant 138 completed their follow-up 2 appointment. The participant has been using their Beddit, but was not registered for an account. They responded to survey items RBM\_5, RBM\_6, and RBM\_7 as “strongly disagree”, “strongly disagree”, and “agree”, respectively. These items should be deleted from the participant’s data set as these questions are not applicable to the participant. – Kerry

## Qualtrics Followup 3 Battery

6/16/17-Participant 002 completed the ID Followup 3 Battery-RISK. After completing the battery she reported to RA Candace that she incorrectly answered a few items on the survey. RA went over the survey items with participant and participant reported to RA which items is marked incorrectly. The items are as follows:

* RBM\_3: She marked Strongly Disagree (1), but intended to mark Strongly Agree (5)
* RBM\_7: She marked Strongly Disagree (1), but intended to mark Strongly Agree (5)
* RBM\_11: She marked Strongly Disagree (1), but intended to mark Strongly Agree (5)
* RBM\_12: She marked Strongly Disagree (1), but intended to mark Strongly Agree (5)

9/15/17 – Participant 007 completed the ID Followup 3 Battery-RISK. At the end of the session 007 offered up some more thoughts regarding feedback on the daily audio message prompt.

* RBM\_17 [Added]
  + It was hard to get into the habit of doing the audio messages because he ran out of things to say and had a hard time thinking of what to say in the messages
  + Would like to see some more structure or talking points offered; felt it was too open
  + Suggestions include: urges, triggers, outlook (though this was all given in retrospect)

10/04/2017 – Participant 009 completed the ID Followup 3 Battery-RISK. After completing the battery 009 clarified that his answers to RBM and RBM\_8 were in reference to the surveys not in reference to the sleep monitor.

10/11/2017 – Had to retake response for 007 to correct a non-text character. UTC needs to be reset to original timestamp. Original/correct UTC = 1505491356

033-03/15/2018, Participant 033 completed the ID Followup 3 Battery-RISK. After completing the battery she reported to RA Candace that she incorrectly marked strongly disagree for item RBM\_7. She intended to mark mark this item strongly agree.

10/31/2018, Participant 81 completed the ID Followup 3 Battery-RISK. RA accidently entered 81 under study name and RISK under SubId. –Candace

## Qualtrics Sleep Schedule Battery

001 – Column “UTC” - UTC timestamp for survey completion is missing. Value to be added is: 1488403762

The webservice field (under “Survey flow”) was no longer present when I looked at the survey yesterday. There is a “UTC” text field at the end of the survey. I’m not sure if something happened on Qualtrics end or if this is something one of us did by accident. Because of this two participants (**002** and **003**) have their data in the text field which I have renamed “UTC\_ old.

**006** needs to have the following value added: 1497483141

Participants 001, 002, and 003 had sleep/wake times added in AM/PM but going forward we are adding in military time. The correct values/columns are as follows:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SubID: | Monday Wake Time: (HH:MM) | Monday Bed Time: (HH:MM) | Tuesday Wake Time: (HH:MM) | Tuesday Bed Time: (HH:MM) | Wednesday Wake Time: (HH:MM) | Wednesday Bed Time: (HH:MM) | Thursday Wake Time: (HH:MM) | Thursday Bed Time: (HH:MM) | Friday Wake Time: (HH:MM) | Friday Bed Time: (HH:MM) | Saturday Wake Time: (HH:MM) | Saturday Bed Time: (HH:MM) | Sunday Wake Time: (HH:MM) | Sunday Bed Time: (HH:MM) |
| 1 | 6:00 | 20:00 | 6:00 | 20:00 | 6:00 | 20:00 | 6:00 | 20:00 | 6:00 | 20:00 | 6:00 | 20:00 | 6:00 | 20:00 |
| 2 | 5:30 | 20:30 | 5:30 | 20:30 | 5:30 | 20:30 | 5:30 | 20:30 | 5:30 | 20:30 | 7:30 | 22:00 | 7:00 | 20:30 |
| 3 | 8:00 | 22:00 | 8:00 | 22:00 | 8:00 | 22:00 | 8:00 | 22:00 | 8:00 | 22:00 | 8:00 | 22:00 | 8:00 | 22:00 |

001 5/8/2018 – Participants original sleep schedule was updated to have bedtimes at 7pm instead of 8pm. This change occurred sometime before 3/31/17 although the exact date is unknown. Retroactively re-entered a row in the Sleep Schedule to capture the “new” schedule. Used 3/31/17 as the start of the new schedule since no better date was able to be identified. (SES)

002 5/8/2018 – Changed Sat bedtime from 10 pm to 9 pm on 4/21/2017. Retroactively re-entered a row in the Sleep Schedule to capture the “new” schedule. (SES)

003 05/08/2018 - Changed wake sleep schedule on 4/26/17 due to new unemployment status: Mon-Sun wake: 9:30 am. Retroactively re-entered a row in the Sleep Schedule to capture the “new” schedule. (SES)

006 05/09/2018 – Two values were transposed in the original qualtrics battery entry**. Friday Bedtime** should be changed to **23:00** and **Saturday Bedtime** should be changed to **02:00**. (SES)

006 05/09/2018 - Changed Sat bed time from 2 am to 11:30 pm on 7/14/17. Participant reported that he was going to bed earlier than he originally thought. Retroactively re-entered a row in the Sleep Schedule to capture the “new” schedule. (SES)

007 05/21/2018 – Two values were transposed in the original qualtrics battery entry**. Saturday Bedtime** should be changed to **01:00** and **Sunday Bedtime** should be changed to **22:30**. (SES)

007 05/21/2018 \*Changed Sat bed time from 1 am to 12:00 am on 7/17/17. Participant reported that he was going to bed earlier than he originally thought. Retroactively re-entered a row in the Sleep Schedule to capture the “new” schedule. (SES)

185 2/20/2019-The projected end date of sleep schedule is incorrect. It should be 5/21/2019.

065 3/27/2019-The schedule start date was erroneously entered as the participant’s bedtime in sleep schedule battery. The correct schedule start time is: 05/16/2018. –Candace

## Beddit Data

The following participants never had a beddit account:

* 109
* 121
* 135
* 136
* 137
* 138
* 139
* 143
* 149
* 150
* 151
* All SubIds greater than 152

## Qualtrics EMA Morning Battery

002- John reviewed and approved the revised EMA Morning Battery-RISK on 4/4/17. One new question was added to this battery. The new question EMAM\_1.5 -Is your goal still to remain abstinent in the future? Below are the retrospective responses to this new question for participant 002:

4/4/2017 EMAM\_1.5: 3 (YES)

003- John reviewed and approved the revised EMA Morning Battery-RISK on 4/4/17. One new question was added to this battery. The new question EMAM\_1.5 -Is your goal still to remain abstinent in the future? Below are the retrospective responses to this new question for participant 003:

3/31/2017 EMAM\_1.5: 3 (YES)

06/09/2017 There are two missing data points in the UTC column in EMA\_Morning\_EMAM\_Battery. They should be added as follows:

**SubID StartDate (GMT 0) UTC to be Added**

001 3/2/2017 3:17:11 PM **1488489431**

003 4/3/2017 3:15:45 PM **1491250545**

12/4/2017 Participant 031 was getting EMA surveys with test as the embedded Sub ID instead of 031. The problem in Survey Signal was corrected and the EMAs that 031 had completed were edited in Qualtrics so that the Sub ID is now 031.

2/26/2018: in **EMAM morning battery,** Sub ID **test** at the following UTCs needs to be changed to Sub ID **031**   
These are corrected in Fun\_Risk:AddSubject2Database because test records are deleted at that step  
1512392452   
1512309553   
1512227465   
1512133243   
1512047106   
1511960486  
  
3/27/2018: Participant 034 – RA reviewed participant’s unfinished response recorded on February 13th, 2018. Participant confirmed that they answered EMAM\_1.1-1.5 correctly, but simply didn’t finish the rest of the survey. NO CHANGE NEEDED

037-4/06/2018: RA reviewed the incomplete/”false” surveys with the participant. The participant completed the first question on EMA Morning surveys dated 2/22/18 and 3/1/18. The participant reported that he accidently answered the first question as “yes” for the 3/1/18 survey as it should have been no. On the 2/22/18 survey the participant answered “no,” and he stated that he accidently completed this first question. The participant reported that he did not intend to complete either of these surveys. NO CHANGE NEEDED B/C DIDN’T PROVIDE A DATE FOR LAPSE

044-4/06/2018: RA reviewed the incomplete/”false” surveys with the participant. The participant completed the first question on EMA Morning survey dated 04/04/18. The participant answered no, and this is accurate. However, she reported that she did not intend to respond to this survey. NO CHANGE NEEDED B/C DIDN’T PROVIDE A DATE FOR LAPSE

047-4/05/2018: Participant 047 stopped receiving EMA surveys and audio reminders on 4/5/2018. RAs received a voicemail on 4/9/2018 from the participant with that information.

047-4/16/2018: RAs will manually send signals to participant from study test phone until the participant is back in town.

042 – 4/16/2018: Participant reported a lapse that was not captured in the EMAs. Participant reported drinking for a significant portion of the day on March 15th, 2018. They were at home during the lapse and did not recall the specific time period.

039-4/23/18: RA reviewed the incomplete/”false” surveys with the participant. The participant completed the first question on EMA Morning surveys dated 4/10/18 (UTC: 1522763555) and 4/22/18 (UTC: 1523802653). The participant answered “no” on each of these surveys, however the participant did not intend to complete these surveys and completed them on accident. [NOTE: Both already deleted b/c false and answered no)

052 – 5/3/2018: Participant was receiving EMAM links for both the morning EMA and the evening EMA. This has been resolved and the participant will be receiving EMAL links for the evening surveys starting tonight. The evening surveys affected are as follows by UTC: {NOTE: No change needed. This just means we collected an extra 3 questions each survey. No need to delete these}

1522382407

1522468807

1522555282

1522641644

1522727983

1522814518

1522901223

1522987969

1523074279

1523160576

1523246450

1523332772

1523420128

1523506415

1523594490

1523678798

1523768925

1523851199

1523938481

1524110472

1524196844

1524284785

1524369655

1524457396

1524543740

1524631200

1524715236

1524801646

1524974406

1525060835

1525147481

1525234126

1525320799

062 - 6/12/2018: Due to an error in Survey Signal, participant did not begin receiving surveys until 5/19/2018 when they were supposed to start receiving surveys 5/18/2018. [NOTE: No change/fix. Data are simply missing]

043 – 6/15/18: RA reviewed reported lapses and saw that there was an unfinished “Yes” response with UTC 1528033409. It appears the participant only answered questions 1-1.5, but that they entered the end date of the last drink they were reporting incorrectly. The participant then resubmitted a finished response later with UTC 1527952931.

079 – 6/25/2018: Due to an error in Survey Signal, participant did not receive their EMAM surveys for 6/23, 6/24, and 6/25. The issue has been corrected and participant should begin getting their surveys starting 6/26. [NOTE: No fix/change possible. Data are missing]

076 – 6/28/2018: Due to an error in Survey Signal, participant did not receive their EMAM survey for 6/28. The participant was getting the EMAL survey link as their morning survey, so they have 4 EMAL’s for 6/28/2018. The issue has been corrected and participant should begin getting their surveys starting 6/29. [NOTE: No fix possible; Data are missing]

081- 09/05/2018: RA reviewed the incomplete/”false” surveys with the participant if yes was recorded for EMAM\_1.The participant reported a response of “yes” to EMAM\_1 on the following surveys: **UTC:** 1534680283 . The participant reported that she could not accurately tell me if she actually experienced a lapse when she endorsed yes on these surveys. The participant reported that she drank very heavily since she last completed a follow-up visit and doesn’t remember. –Candace; JC marked this as a real lapse on the evening before 8-18-2019. Set the time to 19

131 – 11/6/2018: EMAM with UTC 1539875873, question 1.3 (date of last drink not reported) should be 10-17-2018. -JN

137 – 11/6/2018: EMAM with UTC 1541326066, question 1.1 (date of first drink not reported) should be 11-04-2018, and question 1.3 should be 11-04-2018 as well. – JN

131 – 12/18/18: EMAM with UTC: 1543674688, 1543674361, and 1543674299 incomplete answered yes. The lapse details are captured in the EMAM with UTC 1543677333. – Jill

135 – 12/20/2018: Participant 135 began reporting in their audio messages that they had been receiving text message surveys, but were not able to take them since 12/13/2018. When they selected the link in the text message, they would get the error message that the link was too long. Study staff registered Susan up for the randomized surveys for 135 to see if she had the same issue, as they both have androids. Susan did not have the same issue, so it may be due to this participant’s phone. – Kerry

139 – 01/08/2019: Participant 139 stopped completing EMA, audio surveys, and GPS tracking on 12/25/2018. Staff tried to get in contact with them to assess the issue, but were unsuccessful. The participant called and left a voicemail around 1/3/2019 that they had been very sick and were experiencing technical difficulties and were unable to use their phone between 12/25/2018 and 01/03/2019. The participant continued completing surveys and GPS starting on 01/03/2019. – Kerry

3/4/19-There were no EMA surveys sent to participants on 3/2/19. There is no explanation of the cause. Susan S. has reached out to survey signal to troubleshoot. This post will be updated when Survey Signal responds.  
-Candace. UPDATE: 3/22/19-Surevy Signal has been unable to identify cause of missing signals on 3/2/19. –Candace

3/7/2019. JC observed that 054 had an incorrect date format for their lapse reported on 1527860288. Date changed from 05312018 to '05-31-2018' for both start and end time

3/8/2018: JC observed 2 problems with dates for 118. One malformed, and one listed incorrectly. Both fixed

197 – 4/1/2019: Participant’s unfinished survey with UTC 1552835765 is not a lapse. Participant reported they clicked yes by mistake and forgot that they could go back and change their answer. - JN

4/15/2019- There were no EMA surveys sent to participants on 4/13/19. There is no explanation of the cause.  
-Candace

213 - 05/29/2019 - UTC: 1558482409. Participant reported having drank alcohol nearly every day during the lapse dates provided. They reported the first day, 05/13/2019 being the heaviest day, and the subsequent dates being a little lighter. They did not recall times for lapses when asked during their Follow-up 2 visit. – KK

189 – 5/30/2019 – UTC 1558371636, EMAM\_1.1 should be dated 05-19-2019 instead of 05-20-2019. The lapse captured is accurate. - JN

190 – 6/3/19 – UTC 1558108786. Participant did not finish the survey, but they said that they did have a lapse around that time. They could not remember the exact date and time, but they did confirm that they did have a lapse. - JN

**Qualtrics EMA Later Battery**

002- John reviewed and approved the revised EMA Later Battery-RISK on 4/4/17. One new question was added to this battery. The new question EMAL\_1.5 -Is your goal still to remain abstinent in the future? Below are the retrospective responses to this new question for participant 002:

4/1/2017 EMAL\_1.5: 3 (YES)

003- John reviewed and approved the revised EMA Later Battery-RISK on 4/4/17. One new question was added to this battery. The new question EMAL\_1.5 -Is your goal still to remain abstinent in the future? Below are the retrospective responses to this new question for participant 003:

3/25/2017 EMAL\_1.5: 3 (YES)

4/1/2017 EMAL\_1.5: 3 (YES)

06/09/2017 There are three missing data points in the UTC column in EMA\_Later\_EMAL\_Battery. They should be added as follows:

**SubID StartDate (GMT 0) UTC to be Added**

001 4/4/2017 6:03:25 PM **1491347005**

001 5/24/2017 7:46:53 PM **1495673213**

002 5/29/2017 3:14:38 PM **1496088878**

10/4/2017 – 009 reported that they drank 9/27/2017, 9/28/2017, and 9/29/2017. They thought that they had sent their EMAs reflecting their drinking times, but the surveys never appeared in Qualtrics. 009 could not remember the exact times that they drank, only that they drank each of those days. SOLUTION: Add lapses to existing EMA reports. Put lapses from hour 12-13 (middle of day)

**12/12/2017: Participant 025 skipped the item EMAL\_1.5 when she reported a lapse on a 12/4/17 survey. RA asked participant the item when she came in for her first follow-up. The participant stated that when she reported the lapse on 12/4 that her goal was still to remain abstinent from alcohol. So, she had a “yes” response to item EMAL\_1.5.**

**1/23/2018: At Follow-up #2 RA learned that Participant 025 incorrectly entered the wrong time for item EMA-Later question item EMAL\_1.4 when she reported at lapse on 1/5/2018. The time entered is 11 AM and it should be 11 PM. She drank from 9 pm to 11 pm.**

2/22/2018: At Follow Up #3 RA learned that Participant 020 reported a lapse on 12/31/2017 at 10PM. They reported 10PM as the hour of their first drink not reported and 10PM as the hour of the last drink they had not yet reported. The participant reported to the RA that they had more than one drink, but that they didn’t know what time their last drink was, they guessed it was around 11:30pm. They said that they had their last drink before they left the location S3214 County Highway BD in Baraboo.

2/22/2018: At Follow up #1 RA learned that Participant 026 reported a lapse on 11/17/2017 at 8PM with first drink being on 11/17/2017 at 8PM and last drink on 11/04/2017 at 5AM. RA checked with the participant and they intended to put 11/18/2017 at 5AM as the date and time of their last drink not reported.

2/26/2018: in **EMAL later battery**, Sub ID **test** at the following UTCs needs to be changed to Sub ID **031 .** These are corrected in Fun\_Risk:AddSubject2Database because test records are deleted at that step  
  
1512407036  
1512335063  
1512326855  
1512269438  
1512178633  
1512169637  
1512087509  
1512074607  
1512006978  
1511984753

033-03/15/2018, Participant completed her final study visit. RA reviewed the incomplete/”false” surveys with the participant. The participant completed the first question on EMA Later surveys dated 1/1/18 and 1/16/18. The participant reported that she accidently answered the first question as “yes” for the 1/1/18 survey as it should have been no. On the 1/16/18 survey the participant answered “no,” and this is accurate. NO CHANGE NEEDED B/C DIDN’T PROVIDE A DATE FOR LAPSE

037-4/06/2018: RA reviewed the incomplete/”false” surveys with the participant. The participant completed the first question on EMA Later surveys dated 3/5/18, 3/30/18, and 4/3/18. The participant answered “no,” and he stated that he must have accidently answered the first question on these surveys. NO CHANGE NEEDED B/C DIDN’T PROVIDE A DATE FOR LAPSE

047-4/05/2018: Participant 047 stopped receiving EMA surveys and audio reminders on 4/5/2018. RAs received a voicemail on 4/9/2018 from the participant with that information.

047-4/10/2018: Participant 047 verbally reported a lapse at 16:00 to RAs. The participant was reminded to track any lapses they experience while not receiving EMAs.

047-4/16/2018: RAs will manually send signals to participant from study test phone until the participant is back in town.

056-4/10/2018 through 4/13/2018: Participant received an extra 10 ‘randomized’ signals a day due to an error made while setting up their Survey Signal EMAs. They responded to two of those signals per usual, but responded to one in the evening in place of their ‘evening’ signal. The issue was resolved and the participant is receiving the appropriate amount of EMAs. The timestamps are as follows: [NOTE: extra data; no change needed]

1523388770

1523404266

1523418062

1523486375

1523502110

1523553357

1523569657

1523588485

1523638103

1523666318

1523674955

048-This participant's official study start date is 3/28/18, however he began all study activities on 3/27/18. 48 is the participant who came to his intake at six days of sobriety, instead of seven days, thus the participant's study activities were supposed to begin on 3/28/18. Please disregard all data submitted prior to 3/28/2018. [No change needed]

039-4/23/2018: RA reviewed the incomplete/”false” surveys with the participant. The participant completed the first question on EMA Later surveys dated 4/2/18 (3 surveys- UTC: 1522040021, 1522040214, and 1522040328). The participant answered “no” on each of these surveys to EMAL\_1, however the participant did not intend to complete these surveys and completed them on accident. [NOTE: no change needed. These are deleted if false and no]

039-4/23/2018: The EMA Later survey dated 4/15/18 (UTC: 1523161783) was an incomplete survey, however the participant answered “yes” to EMAL\_1. The participant reported that she intended to answer yes. However, she stated that the lapse date was 4/7/18

056-05/09/2018: RA reviewed the incomplete/”false” surveys with the participant. The participant responded “yes” to EMA\_1 on three surveys dated 04/28/2018, 04/29/2018, and 05/03/2018 (UTC: 1524295488, 1524375525, 1524702627). The 04/28 survey reported a lapse on 04/21, but the other two lapses reported were on said date (04/29 and 05/03).

053-05/30/2018: RA reviewed the incomplete/”false” surveys with the participant. The participant responded “yes” to EMA\_1 on two surveys dated 5/22/18 (2 surveys- UTC: 1526416845 and 1526411694 ). The participant reported that she intended to answer yes. The reported drinking date of 5/15/18 is also accurate.

062 - 6/12/2018: Due to an error in Survey Signal, participant did not begin receiving surveys until 5/19/2018 when they were supposed to start receiving surveys 5/18/2018.

065 – 6/21/2018: RA reviewed the incomplete/”false” surveys with the participant. The participant responded “yes” to EMA\_1 on two surveys with UTC time stamps of: 1528245019 and 1528267319. The participant reported that they had not intended to answer yes. [NOTE: No change needed. Already deleted b/c no date reported]

048-7/2/18: RA reviewed the incomplete/”false” surveys with the participant. The participant completed questions EMA\_1 through EMAL\_5 on 6/15/18 (UTC: 1528418009) and 6/12/18 (UTC: 1528236590). The participant reported that the responses given on these surveys are accurate.

064 – 8/10/2018: RA reviewed the incomplete/”false” surveys with the participant. The participant responded “yes” to EMA\_1 on one survey with UTC time stamp of: 1532539935. The participant reported that they had not intended to answer yes. -Kerry

080 – 8/23/2018: RA reviewed the incomplete/”false” surveys with the participant. The participant responded “yes” to EMA\_1 on one survey with UTC time stamp of: 1530401186. The participant reported that they had intended to answer yes. The participant also reported a lapse on 07/30/2018 that was not recorded in the EMA surveys. –Kerry. JC checked and retained incomplete record for true lapse on 1530401186. Also recorded the unreported lapse in report at 1533045108

077- 8/28/2018: RA reviewed the incomplete/”false” surveys with the participant if yes was recorded for EMAL\_1.The participant reported a response of “yes” to EMAL\_1 on the following survey: UTC 1532876632. The participant reported that they did not intend to answer yes. -Candace

100-9/4/2018: RA reviewed the incomplete/”false” surveys with the participant if yes was recorded for EMAL\_1.The participant reported a response of “yes” to EMAL\_1 on the following survey:UTC: 1534004326, 1534004361, 1534034212, 1534034425, 1534037128, 1534039335. The participant did not indicate to the RA that he lapsed on these dates. These lapses were likely reported by mistake.

-Candace

081- 09/05/2018: RA reviewed the incomplete/”false” surveys with the participant if yes was recorded for EMAL\_1.The participant reported a response of “yes” to EMAL\_1 on the following surveys: **UTC:** 1534304754, 1534305084, 1534352136, 1534356776, and 1534376168. The participant reported that she could not accurately tell me if she actually experienced a lapse when she endorsed yes on these surveys. The participant reported that she drank very heavily since last completed a follow-up visit and doesn’t remember. –Candace JC noted that these are all the same dates (14th & 15th) that were already reported in next entry.

081- 09/05/2018: RA reviewed the incomplete/”false” surveys with the participant if yes was recorded for EMAL\_1.The participant reported a response of “yes” to EMAL\_1 on the following surveys: **UTC:** 1534304920 and 1534382135. The participant responded to EMAL\_1, EMAL\_1.1, EMAL\_1.2, EMAL\_1.3, EMAL\_1.4, and EMAL\_1.5. The remaining questions in the surveys were blank. The participant explained to the RA that she was unable to confirm the dates or drinking times indicated in the surveys because she was drinking very heavily. –Candace JC noted that end time for repport at 1534382135 was before start time. Corrected to after end time

084-09/24/2018: RA reviewed the incomplete/”false” surveys with the participant if yes was recorded for EMAL\_1.The participant reported a response of “yes” to EMAL\_1 on the following surveys: **UTC:** 1536465846. The participant reported that his endorsement of this item was an error. –Candace

084-09/24/2018: The participant reported a lapse on EMAL Survey UTC:1536465966. He reported a first drink date of 4/17/18 on question EMAL\_1.1. This was an error. The date should have been 09/09/2018. –Candace

116 – 09/24/2018: RA reviewed the incomplete/false surveys with the participant if yes was recorded for EMAL\_1. The participant responded ‘yes’ to EMAL\_1 on the survey with the UTC **1536101451**. The participant reported that they did **not** lapse on that date, but the ‘yes’ response was an accident. – Kerry

135 – 10/23/2018:

Participant 135 reported they were receiving 6 surveys per day. Upon further investigation, the participant had accidentally been registered to receive the Randomized surveys for another participant (#101), who was deemed ineligible before their Intake visit. The participant was receiving their own Randomized surveys, but was responding to theirs as well as the surveys they were accidentally registered for. The following UTCs belong to the Randomized surveys they responded to that appear under the SubID 101, but were answered by 135. – Kerry

1540308811

1540243093

1540219943

1540083292

1540058950

1539988243

1539976186

1539970713

1539908562

1539884290

1539829752

1539793359

1539740060

1539113249

1539707263

1539558908

1539545266

1539475283

1539381949

1539374460

1539298977

1539295456

1539206885

1539183666

1539113270

1539027346

1539027286

1538947401

1538932892

1538867564

1538852234

1538783590

153875201

081-10/31/18 (final visit): RA reviewed the incomplete/”false” surveys if yes was recorded for EMAL\_1.The participant reported a response of “yes” to EMAL\_1 on the following survey: **UTC:** 1535861861. The participant was seen 30 days past her end study date for her final visit. The participant reported that she had lapses after her follow-up 2 visit, however she did not report them on the EMA surveys. RA determined that the participant could not accurately report her lapse dates. She had lapses, but the dates are unknown. –Candace; JJC: Nothing can be done. The false report was prior to follow-up2 so it was still discarded.

131 – 11/6/2018: EMAL with UTC 1540163411 question 1.1 (first drink not reported) should be 10-21-2018. EMAL with UTC 1540693052 question 1.1 (first drink not reported) should be 10-27-2018. -JN

137 – 11/6/2018: EMAL with UTC 1538895481 question 1.1 (first drink not reported) should be 10-06-2018. EMAL with UTC 1539564730 question 1.3 (last drink not reported) should be 10-14-2018. EMAL with UTC 1541383130 question 1.3 (last drink not reported) should be 11-04-2018. -JN

128 – 11/9/2018: Participant responded “yes” to EMA\_1 on survey UTC time stamp: 1539408907 and didn’t finish the survey, however the participant confirmed the lapse dates and times were correct. - JN

121 – 12/11/2018: Participant responded “yes” to EMA\_1 on survey UTC time stamp: 1540449001 and didn’t finish the survey. Participant confirmed that they accidentally reopened the survey again after completing it for that lapse date and time. The correct survey UTC for the recorded lapse is 1540445122 - JN

121 – 12/11/2018: EMAL with UTC 1540782677 question 1.3 (last drink not reported) should be 10-28-2018. -JN

131 – 12/18/2018: EMAL with UTC 1543018646 question 1.1 (first drink not reported) should be 11/22/2018. EMAL with UTC 1544482178 was incomplete but participant reported the lapse in EMAL with UTC 1544410038. EMAL with UTC 1543617288 was incomplete but participant reported the lapse in EMAL with UTC 1543631161. Participant could not recall lapse details regarding EMAL with UTC 1544064678, and this info was not captured on another survey. – JN

135 – 12/20/2018: Participant 135 began reporting in their audio messages that they had been receiving text message surveys, but were not able to take them since 12/13/2018. When they selected the link in the text message, they would get the error message that the link was too long. Study staff registered Susan up for the randomized surveys for 135 to see if she had the same issue, as they both have androids. Susan did not have the same issue, so it may be due to this participant’s phone. – Kerry

065 – 3/7/2019: JC noted two other responses where the date was malformed (only date but not month/year). Corrected.

158 – 3/26/2019: Participant’s unfinished survey with UTC 1546211009 was accurately reported on the survey with UTC 1546276397. – JN

166 – 3/26/19: Participant reported a lapse on survey with UTC 1550282911 that occurred before they were on study. The lapse they reported was 1/19/2019 through 1/26/2019, but their on-study date is 2/09/2019. Participant verified that their last drink before their intake visit was on 1/26/2019. – JN

178 – 3/28/2019: Participant’s unfinished survey with UTC 1548476507 was accurately reported on the survey with UTC 1548470736. – JN

178 – 3/28/2019: Participant’s unfinished survey with UTC 1548972724 was accurately reported on the survey with UTC 1548989158 - JN

218 – 5/22/2019: Participant 218 reported a lapse on 5/14/2019 – 5/15/2019, UTC time stamp: 1557956376. Time lapse start was reported 8pm and end was 2pm. Time lapse start is 8pm, but time lapse end should be 2am. -Kerry

188 – 5/22/2019: Participant 188’s EMAL response with UTC 1557713610 is a false “Yes” response. The participant reported that they did not have a lapse and forgot that they could go back and change the “Yes” response to a “No” response. The participant did not have any lapses while on study. – JN

213 – 05/29/2019: UTC: 1559003693. Participant reported having drank at the following times on listed dates:

* + - 5/25: 11pm – 12am
    - 5/26: 6pm – 8pm
    - 5/27: 6pm – 8pm
    - Participant reported these were estimates of the times spent drinking on this weekend. – KK

204 -- 06/18/2019 Participant did a total of 5 surveys in between follow-up2 and follow-up3. Participant reported that she did not like doing the surveys after a while, so she stopped completing them. I collected lapses from her even though she did not complete her surveys and she reported that the lapse she reported with timestamp: 1558123879 was not 1 long drinking episode, but 3 individual ones lasting from 9pm each night and going until Midnight. She also reported that she probably drank beginning 05/16 through 06/04 from 9pm until Midnight. MS

208 - 1560435616 SubID 208: Survey says it is unfinished, but participant does not recall leaving it incomplete. She reported no lapses while on study. MS 06/25/19

214- 1561352949 Participant reported on the same drinking episode 2 times once in EMAM and once in EMAL. The EMAL survey reported 5pm-11pm which is incorrect. The correct response is recorded in EMAM 5pm-9pm(1561401216) . Please disregard survey with the timestamp above. MS 06/26/19

234-Participant reported on the same drinking episode 2 times with slightly different timeframes. We clarified this at FU1 and it was determined that timestamp: 1562038420 is correct and timestamp: 1562068799 is incorrect. MS 07/11/2019

270 -The participant reported a lapse on 11/02/2019 (UTC: 1572734206). EMAL\_1.3 should also be 11/02/2019. The time listed in EMAL\_1.4 is incorrect. The participant reported that she drank a lot so she doesn’t recall much from this drinking episode. -Candace

262 – Unfinished survey with UTC 1568308806 was not a reported lapse. The participant hit “Yes” by mistake and closed the survey instead of going back in the survey. – JN

263 – Unfinished survey with UTC 1571803522 was not a reported lapse. The participant hit “Yes” by mistake and closed the survey instead of going back in the survey. - JN

## Interview Data

## The following participants do not have vacation files:

## 001 002 003 005 006 007 009 011

## Audio Transcripts

7/03/2017 – Found errors in the Audio transcription file for participant 002 and 003. The transcription service had transposed participant 002’s message with participant 003’s message on the excel spreadsheet.

The files have been corrected in the Audio spreadsheet.

These were the incorrect entries (message and file tags were inaccurate). These are the original entries. The message IDs were incorrect. They should have been (002\_2017\_0405\_0618, and 003\_2017\_0405\_0916, respectively) and the message text should have been switched.





## Audio Messages

## The lab iphone that receives the daily audio messages (608-572-2496) was accidently disconnected on 02/03/18-02/04/18 and reconnected again on 2/5/18. Therefore, there is no audio message data for 2/3/18 and 2/4/18.

SubID 225: Participant has been having trouble sending the audio journal from their iPhone. Staff has been in contact with the participant about the issue. At follow up1, the audio journal issue was corrected. Per John’s approval, staff collected the previous text messages that participant had sent and will enter them in the transcript log. Text files can currently be found in P:\StudyData\RISK\Administration\Participants\225AudioImages

## SMS

Subject 001 only has 2 captured Voice/SMS files from his phone, from visits 2 and 3. Note that these are numbered 1 and 2 (the numbering is sequential to file creation and not linked to visit).

Subject 009’s SMS\_Data\_1 file and SMS\_Handle\_1 file are empty because the subject deleted all of their text messages prior to their Follow Up 1 appointment.

Subject 009’s SMS\_Data\_2 file and SMS\_Handle\_2 file are empty because the subject deleted all of their text messages prior to their Follow Up 2 appointment.

Subject 009’s SMS\_Data\_3 file and SMS\_Handle\_3 file are empty because the subject deleted all of their text messages prior to their Follow Up 3 appointment. They also cleared their call log history so that there is only one call logged in their 009\_Voice\_3 file.

Subject 032 SMS\_1 and SMS\_2 are from Follow Up 1. The subject bought a new phone during the first month of study participation, therefore we downloaded SMS logs from both phones at Follow Up 1.

Subject 027 has only 2 SMS files as they missed their Follow up 2 appointment, therefore staff was only able to retrieve the logs at Follow Up 1 and Follow Up 3.

Subject 034 has only 2 SMS files as they missed their Follow up 2 appointment, therefore staff was only able to retrieve the logs at Follow Up 1 and Follow Up 3.

130 – 12/20/2018 Study staff were unable to run Unreported Contacts at both Followup1 and 2 for this participant. Unreported Contacts was run for all at Followup3, so all contacts were collected. - Kerry

161 – 12/20/2018 Participant 161 reported getting a new phone on 12/5/2018, but did not install the FollowMee app onto their new phone until they came to their study visit on 12/20/2018. Since participant got a new phone before their Followup1, they brought both phones to their visit. Both phones were backed up, with the new phone producing the two files: 135\_SMS\_1.sql and 135\_Voice\_1.sql and the old phone produced the singular file: 135\_SMS\_2.

225- 06/10/2019 Participant was struggling with her audio messages and was using the voice to text feature rather than the audio message. This issue was corrected at Followup1 (06/10/19), but staff recollected the text messages that participant had already sent and were entered in the Audio master file in the raw data folder. File names were created following the usual format, but there are currently no files that exist only the text messages on the study phone. They were also listed in the Audio transcript check file with a note saying they were never actually audio files. Megan

Voice Calls

## Subject 032 Voice\_1 and Voice\_2 are from Follow Up 1. The subject bought a new phone during the first month of study participation, therefore we downloaded call logs from both phones at Follow Up 1.

Subject 027 has only 2 Voice files as they missed their Follow up 2 appointment, therefore staff was only able to retrieve the logs at Follow Up 1 and Follow Up 3.

## Subject 034 has only 2 Voice files as they missed their Follow up 2 appointment, therefore staff was only able to retrieve the logs at Follow Up 1 and Follow Up 3.

## 10/2019 – Unable to collect Voice files from iOS users: 248 (F3), 259 (F2), 268 (F2) due to changes in the iOS system that requires encryption to extract call history. Staff was able to figure out a work around and will be able to collect call history data for remaining iOS users as of 10/21.

# Battery Recoding Appendix

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Study** | **Survey** | **Sub-Category** | **Question #** | **Old value** | **New Value** | **Date Changed** | **Checked** | **Re-Check** |
| Risk | EMAL | N/A | 1 | No=0; Yes=1 | No=1; Yes=2 | 5/12/2017 | N/A | N/A |
| Risk |  | N/A | 1.5 | No=0; Uncertain=1; Yes=2 | No=1; Uncertain=2; Yes=3 | 5/12/2017 | N/A | N/A |
| Risk | EMAM | N/A | 1 | No=0; Yes=1 | No=1; Yes=2 | 5/15/2017 | 5/17/2017 | N/A |
| Risk |  | N/A | 1.5 | No=0; Uncertain=1; Yes=2 | No=1; Uncertain=2; Yes=3 | 5/15/2017 | 5/17/2017 | N/A |
| Risk | ID Screen Battery | DEM2 | 1; 3; 5; 7 | No=0; Yes=1 | No=1; Yes=2 | 5/15/2017 | 5/17/2017 | N/A |
| Risk |  | AUH | 7 | No=0; Yes=1 | No=1; Yes=2 | 5/15/2017 | 5/17/2017 | N/A |
| Risk |  | DSM5 | 1-11 | No=0; Yes=1 | No=1; Yes=2 | 5/15/2017 | 5/17/2017 | N/A |
| Risk |  | YAP | 1-8 | 0-9 | 1-10 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | YAP | 9-20 | 0-4 | 1-5 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | YAP | 21-27 | 0-2 | 1-3 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | ASSIST | 1 | ASSIST\_1\_1-ASSIST\_1\_8 | 1-8 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | ASSIST | 1 | No=0; Yes=1 | No=1; Yes=2 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | ASSIST | 2 | ASSIST\_2\_x1-ASSIST\_2\_x1 | 1-8 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | ASSIST | 2 | 0-4 | 1-5 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | ASSIST | 3 | ASSIST\_3\_x1-ASSIST\_3\_x8 | 1-8 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | ASSIST | 3 | 0-4 | 1-5 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | ASSIST | 4 | ASSIST\_4\_x1-ASSIST\_4\_x8 | 1-8 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | ASSIST | 4 | 0-4 | 1-5 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | ASSIST | 5 | ASSIST\_5\_x1-ASSIST\_5\_x8 | 1-8 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | ASSIST | 5 | 0-4 | 1-5 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | ASSIST | 6 | ASSIST\_6\_x1-ASSIST\_6\_x8 | 1-8 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | ASSIST | 6 | 0-4 | 1-5 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | ASSIST | 7 | ASSIST\_7\_x1-ASSIST\_7\_x8 | 1-8 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | ASSIST | 7 | 0-4 | 1-5 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | ASSIST | 8 | 0-2 | 1-3 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | SCL90 | Matrix table | SCL90\_1-SCL90\_90 | 1-90 | 5/15/2017 | 5/17/2017 | N/A |
| Risk |  | SCL90 | Matrix table | 0-4 | 1-5 | 5/15/2017 | 5/17/2017 | N/A |
| Risk |  | IUS | Matrix table | IUS\_1-IUS\_27 | 1-27 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | ASI3 | Matrix table | ASI3\_1\_ASI3\_18 | 1-18 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | DTQ | Matrix table | DTQ\_1\_DTQ\_15 | 1-15 | 5/15/2017 | 5/17/2017 | N/A |
| Risk |  | FAD | Matrix table | FAD\_1-FAD\_60 | 1-60 | 5/15/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | MPS | Matrix table | False=0; True=1 | False=1; True=2 | 5/15/2017 | 5/17/2017 | N/A |
| Risk | ID Intake Battery | PACS | 1-5 | 0-6 | 1-7 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | AASE | Matrix table | AASE\_1-AASE\_20 | 1-20 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | AASE | Matrix table | 0-4 | 1-5 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | MAM | 1.2 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | MAM | 2-7 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | MAM | 11 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | MAM | 16 | 0-4 | 1-5 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | MAM | 17, 19 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | MAM | 21 | 0-4 | 1-5 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | MAM | 22 | No=0; Yes=1; Uncertain=2 | No=1; Uncertain=2; Yes=3 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | MAM | 23 | 0-4 | 1-5 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | DASS21 | Matrix table | DASS21\_1-DASS21\_21 | 1-21 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | DASS21 | Matrix table | 0-3 | 1-4 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | PSS10 | Matrix table | PSS\_1-PSS\_12 | 1-10 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | PSS10 | Matrix table | 0-4 | 1-5 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | QOL | Matrix table | QOL\_1-QOL\_17 | 1-17 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | DAS | 1 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | DAS | 24, 25 | 0-4 | 1-5 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | DAS | Matrix table | 0-5 | 1-6 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | DAS | Matrix table | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | MSPSS | Matrix table | MSPSS\_1-MSPSS\_12 | 1-12 | 5/17/2017 | 5/17/2017 | N/A |
| Risk | Session Form Intake Battery | SD and BMI | 6, 7 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | Ineligible | 10 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | Interview | 16 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | ID Intake Battery | 20 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | E4 | 22-26 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | Beddit | 28-30 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | MOVES | 32 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | Phone call logs… | 34-35 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | EMA | 37-39 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | Technology | 41 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | Phone Transfer | 43-44 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | Feedback | 47 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | Scheduling Followup | 49 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | Intake Completion | 56 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk | ID Follow-up 1&2 | PACS | 1-5 | 0-6 | 1-7 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | AASE | Matrix table | AASE\_1-AASE\_20 | 1-20 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | AASE | Matrix table | 0-4 | 1-5 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | MAM | 1.2 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | MAM | 2-7 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | MAM | 11 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | MAM | 16 | 0-4 | 1-5 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | MAM | 17, 19 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | MAM | 21 | 0-4 | 1-5 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | MAM | 22 | No=0; Yes=1; Uncertain=2 | No=1; Yes=2; Uncertain=3 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | MAM | 23 | 0-4 | 1-5 | 5/17/2017 | 5/17/2017 | N/A |
| Risk | Session Form Follow-up 1&2 | Sobriety | 6, 7 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | Interview | 9 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | Call and text logs | 11 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | ID Follow up | 14 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | EMA Form | 16 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | Mobile and wireless | 18-21 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | Phone transfer | 23 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | Session Wrap up | 25, 34 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | Documentation | 36 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk | ID Follow-up 3 | RBM | Matrix table | RBM\_1-RBM\_27 | 1-27 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk | Session Form Follow-up 3 | BMI | 5, 6 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | Phone Transfer | 8 | No=0; Yes=1; N/A=3 | No=1; Yes=2; N/A=4 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | ID follow up | 12 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | N/A |
| Risk |  | Call and text logs | 14 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | Returning Technology | 17, 19, 21, 23 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | 5/17/2017 |
| Risk |  | Session Wrap up | 25, 27, 29, 33 | No=0; Yes=1 | No=1; Yes=2 | 5/17/2017 | 5/17/2017 | 5/17/2017 |

NOTE: These were corrected in the raw data b/c they were needed for compliance checks