Comprehensive Update

SB-SWB Data Calculation and Result Analysis Progress.

# Meeting Overview:

The upcoming meeting is for a comprehensive update on the data analysis progress. Successful completion of accelerometer data processing and organization, with categorization into distinct time points, will be discussed. The adaptable analysis code's capability to accommodate changes in new data will be highlighted. The agenda includes addressing missing survey data, resolving activpal data gaps, correcting participant number mislabeling, and overcoming initial visit entry challenges. Leverage Yoah's expertise and access to the research lab storage drive to explore solutions for data misalignment issues hindering result analysis and data calculations.

# Meeting Objectives:

1. Reconcile all the missing *baseline*-*only* participants’ missing files.
2. Reconcile all the missing *third survey* entries from the affected participants.
3. Reconcile the missing activpal data from the specific participant with its survey data.
4. Address the extra participant entries that would further the data entry alignment discrepancy.
5. Address the potential mislabelling of specific participant numbers.
6. Address the *double survey* entries from *baseline-only* participants.
   1. Potential of using the” Instruction” column as point-of-reference?
7. Completion of accelerometer data processing and organization, categorizing into distinct time points.
   1. Analysis code can also manage files and separate each CSV file into its respective time point files.
8. An analysis code's capability to accommodate changes.

# Intended Outcomes:

1. Locate the missing baseline survey data files for the specified participants.
2. Locate all the missing third survey entries from the specified participants.
3. Locate the missing activpal data from the specific participant with its survey data.
4. Resolve the issue of extra participant entries.
   1. Address the *double survey* entries from *baseline-only* participants.
   2. Address the fourth survey entries *from baseline-only participants.*
5. Address the potential mislabelling of specific participant numbers.
6. Determine if using the” Instruction” column as a point of reference is a viable way to organize and verify participant entries.
7. Have all the above issues resolved to determine adjusted sedentary time against the ActivPal data.
8. Begin data visualization and statistical analyses.

# Table 1 Master list of all unresolved issues of data analysis:

|  |  |  |  |
| --- | --- | --- | --- |
| Participant Number: | Issue Type: | Comments: | Status: (Optional) |
| 001 | Double Survey Entry | Baseline only (ActivPal) |  |
| 002 | 4/3 Survey Entries |  |  |
| 003 | 4/3 Survey Entries |  |  |
| 008 | 4/3 Survey Entries |  |  |
| 009 | 2/3 Survey Entries | Feb22 |  |
| 010 | Double Survey Entry | Baseline only (ActivPal) |  |
| 012 | Missing Baseline Survey Entry | Baseline only (ActivPal) |  |
| 015 | Missing Baseline Survey Entry | Baseline only (ActivPal) |  |
| 036 | Missing Baseline Survey Entry | Baseline only (ActivPal) |  |
| 063 | Potential Mislabel | [ 63 🡪 66] @ 25Feb22 |  |
| 045 | Missing Baseline Survey Entry | Baseline only (ActivPal) |  |
| 046 | Missing Baseline Survey Entry | Baseline only (ActivPal) |  |
| 051 | Potential Mislabel | No ActivPal file |  |
| 055 | 0/3 ActivPal CSV files | Has 3/3 survey entries, no existing CSV file was found. |  |
| 059 | Missing Baseline Survey Entry | Baseline only (ActivPal) |  |
| 060 | Missing Baseline Survey Entry | Baseline only (ActivPal) |  |
| 061 | Potential Mislabel | [51 🡪 61] No Survey Entry |  |
| 067 | Missing Baseline Survey Entry | Baseline only (ActivPal) |  |
| 070 | Potential Mislabel & 2/3 Survey Entries | [71 🡪 70] |  |

## Table 1.1 Missing Baseline Survey Entry

|  |  |  |  |
| --- | --- | --- | --- |
| Participant Number | Issue Type | Comments: | Status: |
| 012 | Missing Baseline Survey Entry | Baseline only (ActivPal) |  |
| 015 | Missing Baseline Survey Entry | Baseline only (ActivPal) |  |
| 036 | Missing Baseline Survey Entry | Baseline only (ActivPal) |  |
| 045 | Missing Baseline Survey Entry | Baseline only (ActivPal) |  |
| 046 | Missing Baseline Survey Entry | Baseline only (ActivPal) |  |
| 059 | Missing Baseline Survey Entry | Baseline only (ActivPal) |  |
| 060 | Missing Baseline Survey Entry | Baseline only (ActivPal) |  |
| 067 | Missing Baseline Survey Entry | Baseline only (ActivPal) |  |

## Table 1.2 Potential Mislabel of Participant No.

|  |  |  |  |
| --- | --- | --- | --- |
| Participant Number | Issue Type | Comments: | Status: |
| 063 | Potential Mislabel | [ 63 🡪 66] @ 25Feb22 |  |
| 051 | Potential Mislabel | No ActivPal file |  |
| 061 | Potential Mislabel | [51 🡪 61] No Survey Entry |  |
| 067 | Missing Baseline Survey Entry | Baseline only (ActivPal) |  |
| 070 | Potential Mislabel & 2/3 Survey Entries | [71 🡪 70] |  |

## Table 1.3 Extra Survey Entries of Participants.

|  |  |  |  |
| --- | --- | --- | --- |
| Participant Number | Issue Type | Comments: | Status: |
| 001 | Double Survey Entry | Baseline only (ActivPal) |  |
| 002 | 4/3 Survey Entries |  |  |
| 003 | 4/3 Survey Entries |  |  |
| 008 | 4/3 Survey Entries |  |  |
| 010 | Double Survey Entry | Baseline only (ActivPal) |  |

## Table 1.4 Missing ALL ActivPal CSV files.

|  |  |  |  |
| --- | --- | --- | --- |
| Participant Number | Issue Type | Comments: | Status: |
| 055 | 0/3 ActivPal CSV files | Has survey entries. No CSV file(s) was found. |  |

# Additional Notes.

Still writing it all out for you to quickly refer to. Will be finished by August 17. (JT)