CONSORT: Tracking Data Exclusion

September 21, 2023

- Phase 1
- Phase 2
  - Step: Remove sequences outside of 10-day MRT period
    - Outside 10-day MRT Period
    - Inside 10-day MRT Period
  - Step: Remove sequences belonging to pilot participants
    - Pilot participants
    - Not Pilot participants
  - Step: Remove sequences belonging to participants who did not meet EMA completion criteria
    - Participants who were not part of the pilot and who met EMA completion criteria
    - Participants who were not part of the pilot and who did not meet EMA completion criteria
  - Step: remove sequences that fall on the First Day or Last Day of the 10-day MRT
    - Sequences on the First Day or Last Day of the 10-day MRT
    - Sequences between the Second and Ninth Day (inclusive) of the 10-day MRT

Our approach to deriving the analytic dataset has three phases:

- Phase 1: Applying a matching procedure (data linkage algorithm)
- Phase 2: Applying decisions common to all analyses
- Phase 3: Define outcome analysis population for each hypothesis

This document covers documentation on quantifying data excluded in Phase 1 and Phase 2.

Phase 1

- Number of participants at the start of Phase 1: 114

- Number of micro-randomizations at the start of Phase 1: 5327

- Number of sequences obtained after applying the matching procedure: 5380

- Number of sequences that are inconsistent with study protocol: 13

- Number of sequences that are consistent with study protocol: 5367

sequence	is_2qs	is_rand	is_ema	total
S1: Short survey administered (just once), no micro-randomization, no EMA administered	1	0	0	58
S2: Short survey administered (just once), micro-randomization (just once), no EMA administered	1	1	0	628
S3: Short survey administered (just once), micro-randomization (just once), EMA administered (just once)	1	1	1	4681
Grand total person-blocks				5367

sequence	is_2qs	is_rand	is_ema	total
S1: Short survey administered (just once), no micro-randomization, no EMA administered	1	0	0	2
S2: Short survey administered (just once), micro-randomization (just once), no EMA administered	1	1	0	3
S3: Short survey administered (just once), micro-randomization (just once), EMA administered (just once)	1	1	1	8
Grand total person-blocks				13

sequence_cat	sequence	total
A1	atypical sequence: short survey administered (just once), micro-randomized (just once), EMA administered (1st time), EMA administered (2nd time)	1
A2	atypical sequence: short survey administered (just once), micro-randomized (1st time), micro-randomized (2nd time), EMA administered (just once)	4
A3	atypical sequence: short survey administered (1st time), short survey administered (2nd time), micro-randomized (just once), EMA administered (just once)	2
A4	atypical sequence: short survey administered (1st time), short survey administered (2nd time), no micro-randomization, no EMA administered	2
A5	atypical sequence: short survey administered (1st time), short survey administered (2nd time), micro-randomized (just once), no EMA administered	2
A6	atypical sequence: short survey administered (1st time), micro-randomized (1st time), short survey administered (2nd time), micro-randomized (2nd time), EMA administered (just once)	1

sequence_cat	sequence	total
A7	atypical sequence: short survey administered (1st time), micro-randomized (1st time), short survey administered (2nd time), micro-randomized (2nd time), no EMA administered	1
		13

sequence	is_2qs	is_rand	is_ema	total
S1: Short survey administered (just once), no micro-randomization, no EMA administered	1	0	0	60
S2: Short survey administered (just once), micro-randomization (just once), no EMA administered	1	1	0	631
S3: Short survey administered (just once), micro-randomization (just once), EMA administered (just once)	1	1	1	4689
Grand total person-blocks				5380

sequence	is_2qs	is_rand	is_ema	total
S1: Short survey administered (just once), no micro-randomization, no EMA administered	1	0	0	60
S2: Short survey administered (just once), micro-randomization (just once), no EMA administered	1	1	0	631
S3: Short survey administered (just once), micro-randomization (just once), EMA administered (just once)	1	1	1	4689
Grand total person-blocks				5380

Phase 2

Step: Remove sequences outside of 10-day MRT period

Outside 10-day MRT Period

- Number of participants: 105
- Number of sequences: 478
- Number of micro-randomizations: 450

sequence	is_2qs	is_rand	is_ema	total
S1: Short survey administered (just once), no micro-randomization, no EMA administered	1	0	0	28
S2: Short survey administered (just once), micro-randomization (just once), no EMA administered	1	1	0	179
S3: Short survey administered (just once), micro-randomization (just once), EMA administered (just once)	1	1	1	271
Grand total person-blocks				478

Inside 10-day MRT Period

- Number of participants: 113
- Number of sequences: 4902
- Number of micro-randomizations: 4870

sequence	is_2qs	is_rand	is_ema	total
S1: Short survey administered (just once), no micro-randomization, no EMA administered	1	0	0	32
S2: Short survey administered (just once), micro-randomization (just once), no EMA administered	1	1	0	452
S3: Short survey administered (just once), micro-randomization (just once), EMA administered (just once)	1	1	1	4418
Grand total person-blocks				4902

Step: Remove sequences belonging to pilot participants

Pilot participants

- Number of participants: 3
- Number of sequences: 148
- Number of micro-randomizations: 147

Not Pilot participants

- Number of participants: 110

- Number of sequences: 4754
- Number of micro-randomizations: 4723

Step: Remove sequences belonging to participants who did not meet EMA completion criteria

Participants who were not part of the pilot and who met EMA completion criteria

- Number of participants: 99
- Number of sequences: 4582
- Number of micro-randomizations: 4551

Participants who were not part of the pilot and who did not meet EMA completion criteria

- Number of participants: 11
- Number of sequences: 172
- Number of micro-randomizations: 172

Step: remove sequences that fall on the First Day or Last Day of the 10-day MRT

Sequences on the First Day or Last Day of the 10-day MRT

- Number of participants: 99
- Number of sequences: 698
- Number of micro-randomizations: 691

Sequences between the Second and Ninth Day (inclusive) of the 10-day MRT

- Number of participants: 99
- Number of sequences: 3884
- Number of micro-randomizations: 3860