MIDUS Refresher Cognitive Project
Variable Naming Cognitive Test Battery

Brief Test of Adult Cognition by Telephone (BTACT)

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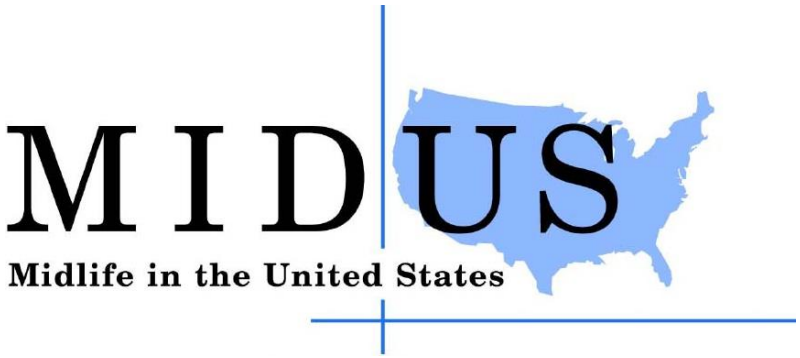

A. Coding conventions for data

a) YES = 1, NO = 2
b) INCORRECT: 95 (for Stop & Go Switch Task only)
c) DON'T KNOW (7's): 7, 97, 997, 9997
d) REFUSED OR MISSING (8's): 8, 98, 998, 9998
e) INAPP/INVALID (9's): 9, 99, 999, 9999

B. Naming conventions for BTACT variables

For the MIDUS Refresher the first two characters of each variable name will be "RA". Otherwise, the same naming conventions developed for MIDUS 2 apply.

a) 1st letter – "R" to indicate MIDUS Refresher
b) 2nd letter – "A" to indicate Wave 1
c) 3rd letter – indicates project number 3
d) 4th letter – indicates type of test: T= BTACT cognitive tests
e) 5th, 6th, 7th, 8th, 9th letters – indicates either:

i. The individual test:
- WLI: Word List Recall – Immediate (Note: Columns 7 & 8 indicate response number; 1-26 possible responses)
- BD: Backward Digit Span
- CTFL: Category Fluency (also CTF)
- NS: Number Series (Note: Column 6 indicates trial number 1-5)
- BK: Backward Counting
- WLD: Word List Recall – Delayed (Note: Columns 7 & 8 indicate response number; 1-26 possible responses)

ii. A composite measure:
- WLF: Word List: Proportion Forgotten Between Immediate and Delayed
- COMP: BTACT Composite Score

iii. A flag variable: Variables with "FP" as their last characters serve as flag variables for potentially problematic cases. This variable indicates, by test, which cases were identified at Brandeis by our data cleaning as being problematic due to test disruption, interview equipment failures, or other problems. We recommend users exclude these tests for these specific cases.

Note: **Bold** variable names below indicate composite or total scale scores.

VARIABLE NAME	VARIABLE LABEL	VALUES
	Word List Recall: Immediate	
RA3TWLIFP	Word List Immediate flagged problematic?	1=YES 2=NO 8=REFUSED OR MISSING
RA3TWLI1 … RA3TWLI26	Word List Immediate: Recalled #1 … #26 (allows for max 15 correct responses + up to 11 intrusions/repetitions)	1=WORD 1 2= WORD 2 3= WORD 3 4= WORD 4 5= WORD 5 6= WORD 6 7= WORD 7 8= WORD 8 9= WORD 9 10= WORD 10 11= WORD 11 12= WORD 12 13= WORD 13 14= WORD 14 15= WORD 15 90=NON-LIST INTRUSION 98=REFUSED OR MISSING
RA3TWLITU	Word List Immediate: Total Unique Items	Range: 0 to 15; Sum of all correct, unique responses from RA3TWLI1 to RA3TWLI26 98=REFUSED OR MISSING
RA3TWLITR	Word List Immediate: Total Repetitions	Sum of all repeated responses from RA3TWLI1 to RA3TWLI26 98=REFUSED OR MISSING
RA3TWLITI	Word List Immediate: Total Intrusions	Sum of all non-list intrusions from RA3TWLI1 to RA3TWLI26 98=REFUSED OR MISSING
	Digits Backward	
RA3TDBFP	Digits Backward flagged problematic?	1=YES 2=NO 8=REFUSED OR MISSING
RA3TDBS	Digits Backward: highest # digits recall	0, 2 to 8 98=REFUSED OR MISSING

Category Fluency		
RA3TCTFFP	Category Fluency flagged problematic?	1=YES 2=NO 8=REFUSED OR MISSING
RA3TCTFLU	Category Fluency: Total unique items	Sum of all in-category, unique items named 98=REFUSED OR MISSING
RA3TCTFLR	Category Fluency: Total repetitions	Sum of repeated items named in-category 98=REFUSED OR MISSING
RA3TCTFLI	Category Fluency: Total intrusions	Sum of all non-category intrusions 98=REFUSED OR MISSING
Number Series		
RA3TNSFP	Number Series flagged problematic?	1=YES 2=NO 8=REFUSED OR MISSING
RA3TNS1 … RA3TNS5	Number Series 1 to 5 (number reported)	997=DON'T KNOW 998=REFUSED OR MISSING
RA3TNS1C… RA3TNS5C	Number Series 1 to 5: correct?	1=YES, CORRECT 2=NO, INCORRECT 8=REFUSED OR MISSING
RA3TNSTOT	Number Series: Total Correct	Range: 0 to 5; 8=REFUSED OR MISSING
Backward Counting		
RA3TBKFP	Backward Counting flagged problematic?	1=YES 2=NO 8=REFUSED OR MISSING
RA3TBKCT	Backward Counting: last number reached	998=REFUSED OR MISSING
RA3TBKERR	Backward Counting: number of errors	998=REFUSED OR MISSING

RA3TBKTOT	Backward Counting: Total number Counted Correctly: (100-(RA3TBKCT + RA3TBKERR))	Total correct #s produced
		998=REFUSED OR MISSING

Word List Recall-Delayed		
RA3TWLDFP	Word List Delayed flagged problematic?	1=YES 2=NO 8=REFUSED OR MISSING
RA3TWLD1… RA3TWLD26	Word List Delayed: Recalled #1…#26 (allows for max 15 correct responses + up to 11 intrusions/repetitions)	1=WORD 1 2= WORD 2 3= WORD 3 4= WORD 4 5= WORD 5 6= WORD 6 7= WORD 7 8= WORD 8 9= WORD 9 10= WORD 10 11= WORD 11 12= WORD 12 13= WORD 13 14= WORD 14 15= WORD 15 90=NON-LIST INTRUSION 98=REFUSED OR MISSING
RA3TWLDTU	Word List Delayed: Total unique items	Range: 0 to 15; Sum of all correct, unique responses from RA3TWLD1 to RA3TWLD26 98=REFUSED OR MISSING
RA3TWLDTR	Word List Delayed: Total repetitions	Sum of all repeated responses from RA3TWLD1 to RA3TWLD26 98=REFUSED OR MISSING
RA3TWLDTI	Word List Delayed: Total intrusions	Sum of all non-list intrusions from RA3TWLD1 to RA3TWLD26 98=REFUSED OR MISSING

Composite Measures		
RA3TWLF	Word List: Proportion Forgot Between Immediate and Delayed	(RA3TWLITU-RA3TWLDTU)/RA3TWLITU 8=REFUSED OR MISSING
RA3TCOMPZ*	BTACT Composite Score	Standardized mean of z-scores for Word Lists (sum of Immediate and Delayed: RA3TWLITU + RA3TWLDTU), Digits Backward (RA3TDBS), Category Fluency (RA3TCTFLU), Number Series (RA3TNSTOT), and Backward Counting (RA3TBKTOT) 8=REFUSED OR MISSING
RA3TEMZ*	BTACT Episodic Memory Factor	Standardized mean of z-scores for Word List Immediate (RA3TWLITU) and Word List Delayed (RA3TWLDTU) 8=REFUSED OR MISSING
RA3TEFZ*	BTACT Executive Functioning Factor	Standardized mean of z-scores for Digits Backward (RA3TDBS), Category Fluency (RA3TCTFLU), Number Series (RA3TNSTOT), Backward Counting (RA3TBKTOT), and mean of switch and nonswitch trials (RA3TSMXBB multiplied by -1) in the Stop & Go Switch Task (SGST)† 8=REFUSED OR MISSING
RA3TEFCZ*	BTACT Executive Functioning Factor corrected based on metronome values	Standardized mean of z-scores for Digits Backward (RA3TDBS), Category Fluency (RA3TCTFLU), Number Series (RA3TNSTOT), Backward Counting (RA3TBKTOT), and mean of switch and nonswitch trials (RA3TSMXBBC multiplied by -1) in the Stop & Go Switch Task (SGST)† 8=REFUSED OR MISSING

* Please note that these composite measures were standardized separately by subsample (within each of the three subsamples, *M* = 0 and *SD* =1). For example:
RA3TCOMPZ1= Zscore BTACT Composite Score computed for MIDUS Refresher national sample only (N=2550)
RA3TCOMPZ2= Zscore BTACT Composite Score computed for Refresher Milwaukee sample only (N=213)
RA3TCOMPZ3 = Zscore BTACT Composite Score computed for complete Refresher sample (MIDUS + Milwaukee; N=2763)
† See description of SGST variables below. Also note the recommendation to use the RA3TSFC filter described at the end of this document when working with SGST variables.

Naming conventions for Stop and Go Switch Task (SGST) variables

f) Naming convention for individual trials (raw scores)

i. 1st, 2nd, 3rd, and 4th character, by default is the **RA3T** code that indicates MIDUS Refresher, Wave 1, Project 3, BTACT Cognitive Battery
   - R = MIDUS Refresher
   - A = Wave 1
   - 3 = Project 3
   - T = BTACT Cognitive Battery

ii. 5th character indicates the **S**top & Go Switch Task

iii. 6th character: W = Ra**W** scores

iv. 7th character indicates the subtest
   - N = **N**ormal single-task
   - R = **R**everse single-task
   - X = mi**X**ed-task

v. 8th and 9th character indicate trial number (**1**-**20** for single-task, **1**-**32** for mixed-task)

g) Naming convention for Normal and Reverse single-tasks composite scores

i. 1st, 2nd, 3rd, and 4th character, by default, is the **RA3T** code that indicates MIDUS Refresher, Wave 1, Project 3, BTACT Cognitive Battery
   - R = MIDUS Refresher
   - A = Wave 1
   - 3 = Project 3
   - T = BTACT Cognitive Battery

ii. 5th character indicates the **S**top & Go Switch Task

iii. 6th character indicates measure
   1. For accuracy scores
      - T = **T**otal correct
      - V = invalid
      - P = **P**ercent correct
   2. For latency scores
      - M = **M**edian (or mean of medians)

iv. 7th character indicates the subtest
   - N = **N**ormal single-task
   - R = **R**everse single-task

v. 8th character indicates the scores corrected based on the metronome values
   - C = **C**orrected

h) Naming convention for Mixed-task composite scores

i. 1st, 2nd, 3rd, and 4th character, by default, is the **RA3T** code that indicates MIDUS Refresher, Wave 1, Project 3, BTACT Cognitive Battery
   - R = MIDUS Refresher
   - A = Wave 1
   - 3 = Project 3
   - T = BTACT Cognitive Battery

ii. 5th character indicates the **S**top & Go Switch Task

iii. 6th character indicates measure
   1. For accuracy scores
      - T = **T**otal correct
      - V = invalid
      - P = **P**ercent correct
   2. For latency scores
      - M = **M**edian (or mean of medians)

iv. 7th character indicates the subtest
   - X = mi**X**ed-task

v. 8th character indicates the condition
   - N = **N**ormal
   - R = **R**everse
   - B = combined

vi. 9th character indicates the trial type
   - S = **S**witch
   - O = n**O**nswitch
   - B = combined

vii. 10th character indicates the scores corrected based on the metronome values
   - C = **C**orrected

i) Naming convention for metronome tasks

i. 1st, 2nd, 3rd, and 4th character, by default, is the **RA3T** code that indicates MIDUS Refresher, Project 3, BTACT Cognitive Battery
   - R = MIDUS Refresher
   - A = Wave 1
   - 3 = Project 3
   - T = BTACT Cognitive Battery

ii. 5th character indicates the **S**top & Go Switch Task

iii. 6th character indicates measure
   - M = **M**edian

iv. 7th character indicates the subtest
   - M = **M**etronome

v. 8th character indicates the timing of administration
   - B = at the **B**eginning of the SGST (RA3TSMMB)

E = at the **E**nd of the SGST (RA3TSMME)
M = **M**ean of the Beginning and End scores:
RA3TSMMM = mean (RA3TSMMB, RA3TSMME)

j) Composite scores: variable names

i. Accuracy
   1. **RA3TSPN**: normal single-task percent correct
   2. **RA3TSPR**: reverse single-task percent correct
   3. **RA3TSPXNO**: mixed-task normal nonswitch percent correct
   4. **RA3TSPXRO**: mixed-task reverse nonswitch percent correct
   5. **RA3TSPXBO**: mixed-task nonswitch percent correct
   6. **RA3TSPXNS**: mixed-task normal switch percent correct
   7. **RA3TSPXRS**: mixed-task reverse switch percent correct
   8. **RA3TSPXBS**: mixed-task switch percent correct
   9. **RA3TSPXBB**: all mixed-task trials percent correct

ii. Latencies
   1. **RA3TSMN**: normal single-task median reaction time
   2. **RA3TSMR**: reverse single-task median reaction time
   3. **RA3TSMB**: mean(RA3TSMN, RA3TSMR) (normal and reverse)
   4. **RA3TSMXNO**: mixed-task normal nonswitch median reaction time
   5. **RA3TSMXRO**: mixed-task reverse nonswitch median reaction time
   6. **RA3TSMXBO**: median reaction time of all mixed-task nonswitch
   7. **RA3TSMXNS**: mixed-task normal switch median reaction time
   8. **RA3TSMXRS**: mixed-task reverse switch median reaction time
   9. **RA3TSMXBS**: median reaction time of all mixed-task switch
   10. **RA3TSMXBB**: mean(RA3TSMXBO, RA3TSMXBS) (nonswitch and switch trials)

iii. Latencies corrected based on the metronome values
   1. **RA3TSMNC** = RA3TSMN - RA3TSMMM.
   2. **RA3TSMRC =** RA3TSMR - RA3TSMMM.
   3. **RA3TSMBC =** mean(RA3TSMNC, RA3TSMRC) (normal and reverse)
   4. **RA3TSMXNOC =** RA3TSMXNO - RA3TSMMM.
   5. **RA3TSMXROC** = RA3TSMXRO - RA3TSMMM.
   6. **RA3TSMXBOC =** RA3TSMXBO - RA3TSMMM.
   7. **RA3TSMXNSC** = RA3TSMXNS - RA3TSMMM.
   8. **RA3TSMXRSC** = RA3TSMXRS - RA3TSMMM.
   9. **RA3TSMXBSC** = RA3TSMXBS - RA3TSMMM.
   10. **RA3TSMXBBC** = mean(RA3TSMXBOC, RA3TSMXBSC) (nonswitch and switch trials)

k) Naming convention for cost variables

i. 1st, 2nd, 3rd, 4th, 5th characters: as above, **RA3TS** for MIDUS Refresher, Wave 1, Project 3 BTACT Cognitive Battery, Stop & Go Switch Task
ii. 6thcharacter: C=**C**ost
iii. 7th character: indicates G=**G**eneral, L=**L**ocal
iv. 8th character indicates the condition
    N = **N**ormal
    R = **R**everse
    B = com**B**ined
v. 9th character: A = **A**bsolute cost, R = **R**elative cost
vi. 10th character: C = **C**orrected based on the metronome values

l) Switch Costs: variable names

i. General switch costs compare latencies on mixed-task trials to single-task trials (mean of normal single-task and reverse single-task). Although there are several ways of calculating general switch costs, we selected this version as the most basic. We give both *absolute* and *relative* general switch costs. *Absolute costs* represent a simple difference score between the easier and more difficult condition (e.g. A – B). *Relative costs* give the proportion decline in performance from the easier to the harder condition, and thus control for differences in baseline performance (e.g. (A-B)/A).)
    1. **RA3TSCGNA**: General Switch Cost (normal), absolute [mean(RA3TSMXNO, RA3TSMXNS) – RA3TSMN]
    2. **RA3TSCGNR**: General Switch Cost (normal), relative (RA3TSCGNA/RA3TSMN)
    3. **RA3TSCGRA**: General Switch Cost (reverse), absolute [mean(RA3TSMXRO, RA3TSMXRS) – RA3TSMR]
    4. **RA3TSCGRR**: General Switch Cost (reverse), relative (RA3TSCGRA/RA3TSMR)
    5. **RA3TSCGBA**: General Switch Cost (combined), absolute (RA3TSMXBB-RA3TSMB)
    6. **RA3TSCGBR**: General Switch Cost (combined), relative (RA3TSCGBA/RA3TSMB)

ii. General switch costs corrected based on the metronome values
    1. **RA3TSCGNAC**: General Switch Cost (normal), absolute [mean(RA3TSMXNOC, RA3TSMXNSC) – RA3TSMNC]
    2. **RA3TSCGNRC**: General Switch Cost (normal), relative (RA3TSCGNAC/RA3TSMNC)
    3. **RA3TSCGRAC**: General Switch Cost (reverse), absolute [mean(RA3TSMXROC, RA3TSMXRSC) – RA3TSMRC]
    4. **RA3TSCGRRC**: General Switch Cost (reverse), relative (RA3TSCGRAC/RA3TSMRC)

5. **RA3TSCGBAC**: General Switch Cost (combined), absolute (RA3TSMXBBC-RA3TSMBC)
6. **RA3TSCGBRC**: General Switch Cost (combined), relative (RA3TSCGBAC/RA3TSMBC)

iii. Local switch costs compare mixed-task switch trials to mixed-task nonswitch trials. We give both *absolute* local switch costs and *relative* local switch costs.
1. **RA3TSCLNA**: Local Switch Cost (normal), absolute (RA3TSMXNS – RA3TSMXNO)
2. **RA3TSCLNR**: Local Switch Cost (normal), relative (RA3TSCLNA/RA3TSMXNO)
3. **RA3TSCLRA**: Local Switch Cost (reverse), absolute (RA3TSMXRS – RA3TSMXRO)
4. **RA3TSCLRR**: Local Switch Cost (reverse), relative (RA3TSCLRA/RA3TSMXRO)
5. **RA3TSCLBA**: Local Switch Cost (combined), absolute (RA3TSMXBS- RA3TSMXBO)
6. **RA3TSCLBR**: Local Switch Cost (combined), relative (RA3TSCLBA/RA3TSMXBO)

iv. Local switch costs corrected based on the metronome values
1. **RA3TSCLNAC**: Local Switch Cost (normal), absolute (RA3TSMXNSC – RA3TSMXNOC)
2. **RA3TSCLNRC**: Local Switch Cost (normal), relative (RA3TSCLNAC/RA3TSMXNOC)
3. **RA3TSCLRAC**: Local Switch Cost (reverse), absolute (RA3TSMXRSC – RA3TSMXROC)
4. **RA3TSCLRRC**: Local Switch Cost (reverse), relative (RA3TSCLRAC/RA3TSMXROC)
5. **RA3TSCLBAC**: Local Switch Cost (combined), absolute (RA3TSMXBSC- RA3TSMXBOC)
6. **RA3TSCLBRC**: Local Switch Cost (combined), relative (RA3TSCLBAC/RA3TSMXBOC)

m) Filters: We provide two levels of filters. Researchers who wish to use all valid files can choose to select the Valid filter (RA3TSFV below). In our analyses we have used a criterion of 75percent accuracy to ensure that participants were performing the task correctly; researchers who wish to use this approach can select cases based on the Clean filter (RA3TSFC below).
i. RA3TSFV (**V**alid): filters cases that were invalid due to missing sound files, technical problems, or failure to carry out the task as instructed.
ii. RA3TSFC (**C**lean): To further insure that participants were performing the task as directed, we required a valid file with accuracy of at least

75percent on all conditions (normal single-task, reverse single-task, mixed-task switch and nonswitch). In addition, to eliminate extreme latencies (i.e., outliers), we required median values of <2 sec for single-task and <4 sec for mixed-task trials.

Note: **Bold** variable names below indicate composite or total scale scores.

VARIABLE NAME	VARIABLE LABEL	VALUES
	Individual Trials: Raw Scores	
RA3TSWN1… RA3TSWN20	SGST: normal single-task trial #1…#20	Latencies (s) 95=INCORRECT 98=REFUSED OR MISSING 99=INVALID
RA3TSWR1… RA3TSWR20	SGST: reverse single-task trial #1…#20	Latencies (s) 95=INCORRECT 98=REFUSED OR MISSING 99=INVALID
RA3TSWX1… RA3TSWX32	SGST: mixed-task trial #1 "normal…green"…trial #32 "green"	Latencies (s) 95=INCORRECT 98=REFUSED OR MISSING 99=INVALID
	Normal Single-task Trials: Composite Scores	
	Composite Accuracy Scores	
RA3TSTN	SGST: normal single-task number correct	0-20 98=REFUSED OR MISSING
RA3TSVN	SGST: normal single-task number invalid	0-20 98=REFUSED OR MISSING
RA3TSPN	SGST: normal single-task percent correct (ratio form)	0-1.00 8=REFUSED OR MISSING
	Composite Latency Score	
RA3TSMN	SGST: normal single-task median reaction time	Latency (s) 98=REFUSED OR MISSING
RA3TSMNC	SGST: normal single-task median reaction time CORRECTED	Latency (s) 98=REFUSED OR MISSING
	Reverse Single-task Trials: Composite Scores	
	Composite Accuracy Scores	
RA3TSTR	SGST: reverse single-task number correct	0-20 98=REFUSED OR MISSING
RA3TSVR	SGST: reverse single-task number invalid	0-20 98=REFUSED OR MISSING

RA3TSPR	SGST: reverse single-task percent correct (ratio form)	0-1.00 8=REFUSED OR MISSING
	Composite Latency Score	
RA3TSMR	SGST: reverse single-task median reaction time	Latency (s) 98=REFUSED OR MISSING
RA3TSMRC	SGST: reverse single-task median reaction time CORRECTED	Latency (s) 98=REFUSED OR MISSING
	Composite of Normal and Reverse Single-task	
RA3TSMB	SGST: mean(RA3TSMN, RA3TSMR)	Latency (s) 98=REFUSED OR MISSING
RA3TSMBC	SGST: mean(RA3TSMNC, RA3TSMRC)	Latency (s) 98=REFUSED OR MISSING

	Mixed-task Trials: Composite Accuracy Scores	
	Accuracy composite across normal nonswitch trials	
RA3TSTXNO	SGST: mixed-task normal nonswitch trials number correct	0-12 98=REFUSED OR MISSING
RA3TSVXNO	SGST: mixed-task normal nonswitch trials number invalid	0-12 98=REFUSED OR MISSING
RA3TSPXNO	SGST: mixed-task normal nonswitch trials percent correct (ratio form)	0-1.00 8=REFUSED OR MISSING
	Accuracy composite across reverse nonswitch trials	
RA3TSTXRO	SGST: mixed-task reverse nonswitch trials number correct	0-11 98=REFUSED OR MISSING
RA3TSVXRO	SGST: mixed-task reverse nonswitch trials number invalid	0-11 98=REFUSED OR MISSING
RA3TSPXRO	SGST: mixed-task reverse nonswitch trials percent correct (ratio form)	0-1.00 8=REFUSED OR MISSING
	Accuracy composites across all nonswitch trials	
RA3TSTXBO	SGST: mixed-task nonswitch trials number correct	0-23 98=REFUSED OR MISSING
RA3TSVXBO	SGST: mixed-task nonswitch trials number invalid	0-23 98=REFUSED OR MISSING
RA3TSPXBO	SGST: mixed-task nonswitch trials percent correct (ratio form)	0-1.00 8=REFUSED OR MISSING
	Accuracy composite across normal switch trials	
RA3TSTXNS	SGST: mixed-task normal switch trials number correct	0-3 8=REFUSED OR MISSING
RA3TSVXNS	SGST: mixed-task normal switch trials number invalid	0-3 8=REFUSED OR MISSING

RA3TSPXNS	SGST: mixed-task normal switch trials percent correct (ratio form)	0-1.00 8=REFUSED OR MISSING
	Accuracy composite across reverse switch trials	
RA3TSTXRS	SGST: mixed-task reverse switch trials number correct	0-3 8=REFUSED OR MISSING
RA3TSVXRS	SGST: mixed-task reverse switch trials number invalid	0-3 8=REFUSED OR MISSING
RA3TSPXRS	SGST: mixed-task reverse switch trials percent correct (ratio form)	0-1.00 8=REFUSED OR MISSING
	Accuracy composite across all switch trials	
RA3TSTXBS	SGST: mixed-task switch trials number correct	0-6 8=REFUSED OR MISSING
RA3TSVXBS	SGST: mixed-task switch trials number invalid	0-6 8=REFUSED OR MISSING
RA3TSPXBS	SGST: mixed-task switch trials percent correct (ratio form)	0-1.00 8=REFUSED OR MISSING
	Accuracy composites across all mixed-task trials	
RA3TSTXBB	SGST: all mixed-task number correct	0-29 98=REFUSED OR MISSING
RA3TSVXBB	SGST: all mixed-task number invalid	0-29 98=REFUSED OR MISSING
RA3TSPXBB	SGST: all mixed-task percent correct (ratio form)	0-1.00 98=REFUSED OR MISSING

	Mixed-task Trials: Composite Latency Scores	
	Latency composite across normal nonswitch trials	
RA3TSMXNO	SGST: mixed-task normal nonswitch median reaction time	Latency (s) 98=REFUSED OR MISSING
RA3TSMXNOC	SGST: mixed-task normal nonswitch median reaction time CORRECTED	Latency (s) 98=REFUSED OR MISSING
	Latency composite across reverse nonswitch trials	
RA3TSMXRO	SGST: mixed-task reverse nonswitch median reaction time	Latency (s) 98=REFUSED OR MISSING
RA3TSMXROC	SGST: mixed-task reverse nonswitch median reaction time CORRECTED	Latency (s) 98=REFUSED OR MISSING
	Latency composite across all nonswitch trials	
RA3TSMXBO	SGST: mixed-task nonswitch trials median reaction time	Latency (s) 98=REFUSED OR MISSING
RA3TSMXBOC	SGST: mixed-task nonswitch trials median reaction time CORRECTED	Latency (s) 98=REFUSED OR MISSING
	Latency composite across normal switch trials	

RA3TSMXNS	SGST: mixed-task normal switch median reaction time	Latency (s) 98=REFUSED OR MISSING
RA3TSMXNSC	SGST: mixed-task normal switch median reaction time CORRECTED	Latency (s) 98=REFUSED OR MISSING
	Latency composite across reverse switch trials	
RA3TSMXRS	SGST: mixed-task reverse switch median reaction time	Latency (s) 98=REFUSED OR MISSING
RA3TSMXRSC	SGST: mixed-task reverse switch median reaction time CORRECTED	Latency (s) 98=REFUSED OR MISSING
	Latency composite across all switch trials	
RA3TSMXBS	SGST: mixed-task switch trials median reaction time	Latency (s) 98=REFUSED OR MISSING
RA3TSMXBSC	SGST: mixed-task switch trials median reaction time CORRECTED	Latency (s) 98=REFUSED OR MISSING
	Latency composite across all mixed-task trials	
RA3TSMXBB	SGST: mean(B3TSMXBO, B3TSMXBS)	Latency (s) 98=REFUSED OR MISSING
RA3TSMXBBC	SGST: mean(B3TSMXBOC, B3TSMXBSC)	Latency (s) 98=REFUSED OR MISSING

	Mixed-Task Trials: Switch Cost Scores	
RA3TSCGBA	SGST: General Switch Cost, absolute (RA3TSMXBB-RA3TSMB)	Latency (s) 98=REFUSED OR MISSING
RA3TSCGBR	SGST: General Switch Cost, relative (RA3TSCGBA/RA3TSMB)	Latency (s) 98=REFUSED OR MISSING
RA3TSCGNA	SGST: General Switch Cost (normal), absolute [mean(RA3TSMXNO, RA3TSMXNS) – RA3TSMN]	Latency (s) 98=REFUSED OR MISSING
RA3TSCGNR	SGST: General Switch Cost (normal), relative (RA3TSCGNA/RA3TSMN)	Latency (s) 98=REFUSED OR MISSING
RA3TSCGRA	SGST: General Switch Cost (reverse), absolute [mean(RA3TSMXRO, RA3TSMXRS) – RA3TSMR]	Latency (s) 98=REFUSED OR MISSING
RA3TSCGRR	SGST: General Switch Cost (reverse), relative (RA3TSCGRA/ RA3TSMR)	Latency (s) 98=REFUSED OR MISSING
RA3TSCLBA	SGST: Local Switch Cost, absolute (RA3TSMXBS-RA3TSMXBO)	Latency (s) 98=REFUSED OR MISSING
RA3TSCLBR	SGST: Local Switch Cost, relative (RA3TSCLBA/RA3TSMXBO)	Latency (s) 98=REFUSED OR MISSING
RA3TSCLNA	SGST: Local Switch Cost (normal), absolute (RA3TSMXNS-RA3TSMXNO)	Latency (s) 98=REFUSED OR MISSING

RA3TSCLNR	SGST: Local Switch Cost, (normal), relative (RA3TSCLNA/RA3TSMXNO)	Latency (s) 98=REFUSED OR MISSING
RA3TSCLRA	SGST: Local Switch Cost (reverse), absolute (RA3TSMXRS-RA3TSMXRO)	Latency (s) 98=REFUSED OR MISSING
RA3TSCLRR	SGST: Local Switch Cost,(reverse), relative (RA3TSCLRA/RA3TSMXRO)	Latency (s) 98=REFUSED OR MISSING
RA3TSCGBAC	SGST: General Switch Cost, absolute (RA3TSMXBBC-RA3TSMBC)	Latency (s) 98=REFUSED OR MISSING
RA3TSCGBRC	SGST: General Switch Cost, relative (RA3TSCGBAC/RA3TSMBC)	Latency (s) 98=REFUSED OR MISSING
RA3TSCGNAC	SGST: General Switch Cost (normal), absolute [mean(RA3TSMXNOC, RA3TSMXNSC) – RA3TSMNC]	Latency (s) 98=REFUSED OR MISSING
RA3TSCGNRC	SGST: General Switch Cost (normal), relative (RA3TSCGNAC/RA3TSMNC)	Latency (s) 98=REFUSED OR MISSING
RA3TSCGRAC	SGST: General Switch Cost (reverse), absolute [mean(RA3TSMXROC, RA3TSMXRSC) – RA3TSMRC]	Latency (s) 98=REFUSED OR MISSING
RA3TSCGRRC	SGST: General Switch Cost (reverse), relative (RA3TSCGRAC/ RA3TSMRC)	Latency (s) 98=REFUSED OR MISSING
RA3TSCLBAC	SGST: Local Switch Cost, absolute (RA3TSMXBSC-RA3TSMXBOC)	Latency (s) 98=REFUSED OR MISSING
RA3TSCLBRC	SGST: Local Switch Cost, relative (RA3TSCLBAC/RA3TSMXBOC)	Latency (s) 98=REFUSED OR MISSING
RA3TSCLNAC	SGST: Local Switch Cost (normal), absolute (RA3TSMXNSC-RA3TSMXNOC)	Latency (s) 98=REFUSED OR MISSING
RA3TSCLNRC	SGST: Local Switch Cost, (normal), relative (RA3TSCLNAC/RA3TSMXNOC)	Latency (s) 98=REFUSED OR MISSING
RA3TSCLRAC	SGST: Local Switch Cost (reverse), absolute (RA3TSMXRSC-RA3TSMXROC)	Latency (s) 98=REFUSED OR MISSING
RA3TSCLRRC	SGST: Local Switch Cost,(reverse), relative (RA3TSCLRAC/RA3TSMXROC)	Latency (s) 98=REFUSED OR MISSING

Filters and Cell Phone Adjustments		
RA3TSFV	SGST: Filter invalid cases	0=NOT SELECTED; 1=SELECTED 98=REFUSED OR MISSING
RA3TSFC	SGST: Filter cases with low accuracy or extreme latencies (CLEAN)	0=NOT SELECTED; 1=SELECTED 98=REFUSED OR MISSING
RA3TSMMB	Metronome (median of 8 lags measured at the beginning of the SGST)	Latency (s) 98=REFUSED OR MISSING 99=INAPP (LANDLINE PHONE) 0=PERFECT ACCURACY
RA3TSMME	Metronome (median of 8 lags measured at the end of the SGST)	Latency (s) 98=REFUSED OR MISSING 99=INAPP (LANDLINE PHONE) 0=PERFECT ACCURACY
RA3TSMMM	Metronome (mean of medians) mean(RA3TSMMB, RA3TSMME)	Latency (s) 98=REFUSED OR MISSING 99=INAPP (LANDLINE PHONE) 0=PERFECT ACCURACY