

Supplemental Materials 3. Excluded items and reasons for exclusion.

Item Content	Reason For Exclusion
read names on a ballot to vote	> 10% "does not apply" responses
talk about politics	> 10% "does not apply" responses
talk to your minister, priest, or rabbi about things that concern you	> 10% "does not apply" responses
follow religious services	> 10% "does not apply" responses
follow an instruction manual	> 10% "does not apply" responses
read bus/train schedules	> 10% "does not apply" responses
buy things on the internet	> 10% "does not apply" responses
use a road map	> 10% "does not apply" responses
read grocery store coupons and flyers	> 10% "does not apply" responses
order something over the phone	> 10% "does not apply" responses
use an ATM machine	> 10% "does not apply" responses
contribute to class/business discussions	> 10% "does not apply" responses
have a conversation with coworkers/classmates at work or school	> 10% "does not apply" responses
understand business/class discussions	> 10% "does not apply" responses
follow written work procedures	> 10% "does not apply" responses
make business calls	> 10% "does not apply" responses
understand work/school documents	> 10% "does not apply" responses
take notes during meetings/classes	> 10% "does not apply" responses
use the computer for work/school tasks	> 10% "does not apply" responses
write reports for work/school	> 10% "does not apply" responses
pick out greeting cards for different occasions	> 10% "does not apply" responses
follow radio news programs	> 10% "does not apply" responses
read a book for pleasure	> 10% "does not apply" responses
talk about books that you have read	> 10% "does not apply" responses
understand a TV schedule	> 10% "does not apply" responses
get help in an emergency	> 10% "does not apply" responses
discuss your medications with the pharmacist	> 10% "does not apply" responses

look up a number in the telephone book	> 10% "does not apply" responses
give a speech to a group of people	> 10% "does not apply" responses
meet the communication needs of your job or school	> 10% "does not apply" responses
get your point across when you are upset or angry	standardized loading < .3 on general factor
write a business letter	absolute correlation residuals > .2
understand warning signs (e.g., slippery floor, don't enter)	absolute correlation residuals > .2
understand what the doctor tells you	absolute correlation residuals > .2
follow group conversation	absolute correlation residuals > .2
greet people appropriately (e.g., Hi, how are you?)	absolute correlation residuals > .2
let people know if you understand them	absolute correlation residuals > .2
read words aloud	absolute correlation residuals > .2
recognize your name in print	absolute correlation residuals > .2
ask for help from family or friends	absolute correlation residuals > .2
understand a fast-paced conversation	absolute correlation residuals > .2
understand conversation in a noisy place (e.g., party, crowd)	absolute correlation residuals > .2
write your name	absolute correlation residuals > .2
write your social security number	absolute correlation residuals > .2
communicate your basic needs (hunger, restroom, pain, discomfort, etc.)	absolute correlation residuals > .2
understand people when you are stressed or under pressure	absolute correlation residuals > .2
call friends by name	close similarity in item content with "call family members by name," leading to bloated specific factor
introduce family members by name	close similarity in item content with "introduce friends by name," leading to bloated specific factor
recognize when people do not understand you	standardized loading < .3 on general factor
talk on the telephone	absolute correlation residuals > .2
understand restroom signs	high average (root-mean-square) correlation residuals
follow conversation about unfamiliar topics	high average (root-mean-square) correlation residuals
tell time	high average (root-mean-square) correlation residuals
follow movies	absolute standardized residuals from maximum likelihood solution > 2
use a computer at home—	differential item functioning by age (–)

use cash to buy things	differential item functioning by age (–)
understand computer icons	differential item functioning by age (–)
ask for clarification when you do not understand something	differential item functioning by age (–)
express agreement or disagreement	differential item functioning by age (–)
tell people what you like and dislike	differential item functioning by age (–) and veteran status (+)
ask for information over the phone	differential item functioning by age (–), aphasia severity (+), veteran status (–), and self-reported vision function (+)
understand popular sayings (e.g., It's raining cats and dogs)	differential item functioning by age (+)
follow spoken directions	differential item functioning by age (+)
talk about current events that you are familiar with	differential item functioning by age (+) and gender (–)
buy things at a store	differential item functioning by aphasia severity (–)
communicate at family gatherings	differential item functioning by aphasia severity (–)
recognize the names of family members when someone says them	differential item functioning by aphasia severity (–)
have a conversation with family and friends	differential item functioning by aphasia severity (–)
follow TV shows	differential item functioning by aphasia severity (–)
write down a phone message	differential item functioning by aphasia severity (–)
use a credit/debit card to buy things	differential item functioning by aphasia severity (+)
talk about your past (e.g., childhood, life experiences)	differential item functioning by aphasia severity (+)
understand someone you don't know	differential item functioning by aphasia severity (+)
use the internet to get information	differential item functioning by aphasia severity (+) and age (–)
speak to family members and friends on the phone	differential item functioning by aphasia severity (+) and gender (+)
manage your personal finances	differential item functioning by gender (–)
pay bills	differential item functioning by gender (–)
say your social security number	differential item functioning by gender (–) and time post-onset (–)
say what day of the week it is	differential item functioning by gender (–) and self-reported hand function (+)
follow TV news programs	differential item functioning by gender (–) and aphasia severity (–)
follow driving directions	differential item functioning by gender (–) and self-reported hand function (+)
make transactions with a bank teller	differential item functioning by gender (–) and time post-onset (+)
add and subtract	differential item functioning by gender (–), age (+), and aphasia severity (–)
dial a telephone number	differential item functioning by gender (+)

recognize the names of common objects when someone says them	differential item functioning by gender (+)
use a calendar to plan and keep track of events	differential item functioning by gender (+) and self-reported hearing function (–)
understand legal documents, such as a will or advanced directive	differential item functioning by lesion site and number (–)
make appointments on the phone	differential item functioning by lesion site and number (–)
ask questions to get information	differential item functioning by lesion site and number (+)
follow simple written instructions	differential item functioning by motor speech diagnosis (–) and gender (+)
tell people how you feel	differential item functioning by motor speech diagnosis (–) time post-onset (+)
spell your whole name out loud	differential item functioning by motor speech diagnosis (+)
make small talk with neighbors	differential item functioning by motor speech diagnosis (+) and aphasia severity (–)
talk to someone you don't know	differential item functioning by motor speech diagnosis (+) and self-reported hand function (–)
understand a single written word	differential item functioning by self-reported hand (+) and hearing function (–)
write a shopping list	differential item functioning by self-reported hand function (+)
write checks	differential item functioning by self-reported hand function (+)
talk about your hobbies and interests	differential item functioning by self-reported hand function (+)
say "thank you" and "you're welcome"	differential item functioning by self-reported hand function (+)
communicate by e-mail	differential item functioning by self-reported hearing (+) and vision (+) function
recognize your address when someone says it	differential item functioning by self-reported hearing function (–)
read sentences aloud	differential item functioning by self-reported hearing function (–)
respond to greetings	differential item functioning by self-reported hearing function (–)
count change at the store	differential item functioning by self-reported hearing function (–) and aphasia severity (+)
understand price tags	differential item functioning by self-reported vision function (–)
follow spoken instructions	differential item functioning by self-reported vision function (–)
answer questions about yourself	differential item functioning by self-reported vision function (–)
say what month it is	differential item functioning by self-reported vision function (–)
talk if you are stressed or under pressure	differential item functioning by self-reported vision function (–)
introduce friends by name	differential item functioning by time post-onset (–)
write simple messages	differential item functioning by time post-onset (–)
write sentences	differential item functioning by time post-onset (–)

write words	differential item functioning by time post-onset (–) and aphasia severity (–)
order food in a restaurant	differential item functioning by time post-onset (+) and self-reported hearing function (+)
say your phone number	differential item functioning by veteran status (–)
recognize your name when called	differential item functioning by veteran status (–)
understand medical insurance information	differential item functioning by veteran status (+) and self-reported vision function (–)
understand jokes and funny stories	differential item functioning by veteran status (+), time post-onset (–), and self-reported hand function (–)
