Supplemental Table 1: By descending Mini-Mental State Exam (MMSE) score, Alzheimer’s disease group analysis of MMSE score when 50% of the group lost their ability to perform the function for the specified Disability Assessment in Dementia (DAD) item. Left-censored data are interpolated; items are ordered by descending median MMSE score.

| DAD domain | DAD item | 75th | Median | 25th |
| --- | --- | --- | --- | --- |
| Finance and correspondence | Organize finances to pay bills | 26 | 24 | 23 |
| Finance and correspondence | Adequately organize correspondence | 26 | 24 | 22 |
| Finance and correspondence | Show interest in personal affairs | 25 | 23 | 18 |
| Medications | Decide to take medications | 25 | 23 | 18 |
| Going on an outing | Return from the shops | 24 | 23 | 18 |
| Going on an outing | Safely take mode of transportation | 24 | 23 | 18 |
| Leisure and housework | Plan and organize household chores | 24 | 23 | 18 |
| Leisure and housework | Complete household chores | 24 | 23 | 17 |
| Medications | Take medications as prescribed | 24 | 23 | 17 |
| Going on an outing | Organize an outing | 24 | 23 | 17 |
| Telephoning | Write and convey messages | 25 | 22 | 18 |
| Finance and correspondence | Adequately handle his/her money | 24 | 22 | 17 |
| Going on an outing | Go out and reach destination | 23 | 21 | 15 |
| Leisure and housework | Take interest in household chores | 24 | 19 | 15 |
| Meal preparation | Prepare or cook meal or snack safely | 23 | 18 | 15 |
| Going on an outing | Undertake to go out | 23 | 18 | 15 |
| Telephoning | Find and dial a number correctly | 23 | 18 | 15 |
| Meal preparation | Adequately plan meal or snack | 23 | 18 | 15 |
| Telephoning | Undertake to telephone someone | 23 | 18 | 14 |
| Meal preparation | Undertake to prepare meal or snack | 23 | 18 | 14 |
| Leisure and housework | Show an interest in leisure activity | 23 | 18 | 13 |
| Dressing | Choose appropriate clothing | 23 | 16 | 13 |
| Hygiene | Undertake to wash or take bath | 19 | 15 | 12 |
| Hygiene | Prepare the water, soap, towels for bath | 18 | 15 | 12 |
| Hygiene | Decide to care for his/her hair | 18 | 14 | 9 |
| Leisure and housework | Stay safely at home | 18 | 14 | 8 |
| Eating | Decide that he/she needs to eat | 19 | 13 | 0 |
| Hygiene | Undertake to brush teeth | 17 | 13 | 8 |
| Hygiene | Care for his/her hair | 17 | 12 | 3 |
| Hygiene | Wash/dry completely | 16 | 12 | 3 |
| Telephoning | Carry out a conversation | 17 | 11 | 9 |
| Hygiene | Brush his/her teeth | 17 | 11 | 0 |
| Dressing | Dress in appropriate order | 15 | 11 | 0 |
| Dressing | Dress himself/herself completely | 14 | 10 | 3 |
| Dressing | Undress himself/herself completely | 13 | 10 | 0 |
| Continence | Use the toilets without accidents | 15 | 9 | 0 |
| Dressing | Undertake to dress | 15 | 9 | 0 |
| Eating | Eat meals at normal pace and manner | 15 | 0 | 0 |
| Eating | Choose cutlery and seasoning | 15 | 0 | 0 |
| Continence | Decide to use the toilet | 11 | 0 | 0 |

Supplemental Table 2: Alzheimer’s disease group life table analysis of MMSE score when 50% of the group has lost their ability to perform the function for the specified DAD item by descending MMSE score among participants with AD, using an accelerated failure time model allowing to consider left-censored data and avoid imputation; items are ordered by descending median MMSE score.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| DAD Domain | DAD Item | 75th | Median | 25th |
| EATING | CHOOSE CUTLERY AND SEASONINGS | could not be estimated | | |
| FINANCE AND CORRESPONDENCE | ORGANIZES FINANCE TO PAY BILLS | could not be estimated | | |
| MEDICATIONS | DECIDE TO TAKE MEDICATIONS | 25 | 25 | 19 |
| LEISURE AND HOUSEWORK | PLAN AND ORGANIZE HOUSEHOLD CHORES | 25 | 25 | 19 |
| LEISURE AND HOUSEWORK | COMPLETE HOUSEHOLD CHORES | 25 | 25 | 18 |
| FINANCE AND CORRESPONDENCE | SHOW INTEREST IN PERSONAL AFFAIRS | 25 | 25 | 18 |
| FINANCE AND CORRESPONDENCE | ADEQUATELY ORGANIZE CORRESPONDENCE | 24 | 24 | 24 |
| GOING ON AN OUTING | ORGANIZE AN OUTING | 24 | 24 | 20 |
| GOING ON AN OUTING | SAFELY TAKE MODE OF TRANSPORTATION | 24 | 24 | 19 |
| TELEPHONING | WRITE AND CONVEY MESSAGES | 24 | 24 | 19 |
| MEDICATIONS | TAKE MEDICATIONS AS PRESCRIBED | 24 | 24 | 17 |
| GOING ON AN OUTING | RETURN FROM THE SHOPS | 23 | 23 | 17 |
| GOING ON AN OUTING | UNDERTAKE TO GO OUT | 26.5 | 21 | 13.5 |
| FINANCE AND CORRESPONDENCE | ADEQUATELY HANDLE HIS/HER MONEY | 25 | 21 | 17 |
| GOING ON AN OUTING | GO OUT AND REACH DESTINATION | 20 | 20 | 12.5 |
| TELEPHONING | FIND AND DIAL A NUMBER CORRECTLY | 25 | 19.5 | 13.5 |
| MEAL PREPARATION | ADEQUATELY PLAN MEAL OR SNACK | 25 | 19 | 13.5 |
| MEAL PREPARATION | PREPARE OR COOK MEAL OR SNACK SAFELY | 25 | 19 | 12.5 |
| LEISURE AND HOUSEWORK | TAKE INTEREST IN HOUSEHOLD CHORES | 18 | 18 | 11.5 |
| MEAL PREPARATION | UNDERTAKE TO PREPARE MEAL OR SNACK | 23 | 17 | 14 |
| LEISURE AND HOUSEWORK | STAY SAFELY AT HOME | 18 | 12.5 | 12.5 |
| TELEPHONING | UNDERTAKE TO TELEPHONE SOMEONE | 25 | 12 | 12 |
| HYGIENE | PREPARE THE WATER, TOWELS, SOAP FOR BATH | 19.5 | 12 | 12 |
| HYGIENE | DECIDE TO CARE FOR HIS/HER HAIR | 17 | 12 | 12 |
| HYGIENE | UNDERTAKE TO BRUSH TEETH | 12 | 12 | 12 |
| DRESSING | CHOOSE APPROPRIATE CLOTHING | 24 | 11.5 | 11.5 |
| DRESSING | DRESS HIMSELF/HERSELF COMPLETELY | 11 | 11 | 11 |
| HYGIENE | CARE FOR HIS/HER HAIR | 10 | 10 | 10 |
| HYGIENE | WASH AND DRY COMPLETELY | 10 | 10 | 10 |
| TELEPHONING | CARRY OUT A CONVERSATION | 9.5 | 9.5 | 9.5 |
| DRESSING | UNDRESS HIMSELF/HERSELF COMPLETELY | 9.5 | 9.5 | 9.5 |
| EATING | EAT MEALS AT NORMAL PACE AND MANNERS | 9 | 9 | 9 |
| HYGIENE | UNDERTAKE TO WASH OR TAKE BATH | 19 | 8.5 | 8.5 |
| HYGIENE | BRUSH HIS/HER TEETH | 8.5 | 8.5 | 8.5 |
| DRESSING | DRESS IN APPROPRIATE ORDER | 8.5 | 8.5 | 8.5 |
| CONTINENCE | USE THE TOILET WITHOUT ACCIDENTS | 8.5 | 8.5 | 8.5 |
| EATING | DECIDE THAT HE/SHE NEEDS TO EAT | 18 | 8 | 8 |
| CONTINENCE | DECIDE TO USE THE TOILET | 8 | 8 | 8 |
| LEISURE AND HOUSEWORK | SHOW AN INTEREST IN LEISURE ACTIVITY | 8 | 8 | 8 |
| DRESSING | UNDERTAKE TO DRESS | 8 | 8 | 8 |