**Supplementary Tables 2 – 13 (S2 – S13)**

This file of supplementary material contains 12 tables (Tables S2 – S13). Collectively, these tables show the results from the multiple regression model analyses, which explored the effects of age, sex, quality of education, and level of education on the different CAMCOG-R subscale scores.

**Table S2.** Multiple regression: Effects of age, sex, quality of education, and level of education on CAMCOG-R total score (N = 98)

|  |  |
| --- | --- |
|  | Group |
|  | Controls |  | AD Patients |
|  | (*n* = 51) |  | (*n* = 47) |
| Regression model steps | *β* | *df* | F | *p* |  | *β* | *df* | F | *p* |
| Step 1: Age | -0.27 | 49 | 11.06 | .001\* |  | -0.26 | 46 | 1.19 | .280 |
| Step 2: Sex | -2.31 | 48 | 6.45 | .199 |  | -2.86 | 46 | 0.78 | .543 |
| Step 3: Quality of education | - | 46 | 3.75 | .365 |  | - | 46 | 0.44 | .863 |
|  Private-urban | -3.03 | - | - | - |  | -0.96 | - | - | - |
|  Private-rural | - | - | - | - |  | -12.91 | - | - | - |
|  Public-rural | 3.07 | - | - | - |  | -1.26 | - | - | - |
| Step 4: Level of education | 0.47 | 45 | 6.14 | .001\*\* |  | 1.85 | 46 | 1.77 | .007\*\* |

Notes: *β =* unstandardized coefficients for beta. Residual degrees of freedom (*df)* reported. In the AD patient group, *R*2 for the final

model was .21. Change in *R2* (Δ*R*2) for Step 1 was .03; from Step 1 to Step 2 was .01; from Step 2 to Step 3 was .02; and from Step 3

to Step 4 was .16. For the control group, *R*2 for the final model was .41. Δ*R*2 for Step 1 was .18; from Step 1 to Step 2 was .03; from

Step 2 to Step 3 was .03; and from Step 3 to Step 4 was .16.

\**p* < .05. \*\**p* < .01. \*\*\**p* < .001.

**Table S3.** Multiple regression: Effects of age, sex, quality of education, and level of education on Memory total score (N = 98)

|  |  |
| --- | --- |
|  | Group |
|  | Control |  | AD Patients |
|  | (*n* = 51) |  | (*n* = 47) |
| Regression model steps | *β* | *df* | F | *p* |  | *β* | *df* | F | *p* |
| Step 1: Age | -0.06 | 49 | 2.37 | .130 |  | -0.04 | 45 | 0.21 | .650 |
| Step 2: Sex | 0.25 | 48 | 1.21 | .770 |  | 0.08 | 44 | 0.10 | .964 |
| Step 3: Quality of education |  | 46 | .87 | .580 |  |  | 41 | 0.48 | .535 |
|  Private-urban | -0.32 | - | - | - |  | -2.03 | - | - | - |
|  Private-rural | - | - | - | - |  | -2.33 | - | - | - |
|  Public-rural | 1.50 | - | - | - |  | -2.96 | - | - | - |
| Step 4: Level of education | 0.17 | 45 | 2.03 | .016\* |  | 0.27 | 40 | 0.61 | .275 |

Notes: *β =* unstandardized coefficients for beta. Residual *df* reported. In the AD patient group, *R*2 for the final model was .08. Δ*R*2

for Step 1 was .01; from Step 1 to Step 2 was .00; from Step 2 to Step 3 was .05; and from Step 3 to Step 4 was .03. For the control

group, *R*2 for the final model = .18. Δ*R*2 for Step 1 was .05; from Step 1 to Step 2 was .00; from Step 2 to Step 3 was .02; and from

Step 3 to Step 4 was .11.

\**p* < .05. \*\**p* < .01. \*\*\**p* < .001.

**Table S4.** Multiple regression: Effects of age, sex, quality of education, and level of education on Remote Memory subscale score (N = 98)

|  |  |
| --- | --- |
|  | Group |
|  | Control |  | AD Patients |
|  | (*n* = 51) |  | (*n* = 47) |
| Regression model steps | *β* | *df* | F | *p* |  | *β* | *df* | F | *p* |
| Step 1: Age | 0.01 | 49 | 0.11 | .739 |  | -0.01 | 45 | 0.05 | .824 |
| Step 2: Sex | -0.88 | 48 | 2.33 | .380 |  | -0.94 | 44 | 2.75 | .105 |
| Step 3: Quality of education |  | 46 | 1.40 | .606 |  |  | 41 | 0.32 | .813 |
|  Private-urban | -0.78 | - | - | - |  | 0.49 | - | - | - |
|  Private-rural | - | - | - | - |  | 0.57 | - | - | - |
|  Public-rural | -0.11 | - | - | - |  | -0.76 | - | - | - |
| Step 4: Level of education | 0.01 | 45 | 2.75 | .009\*\* |  | 0.18 | 40 | 4.43 | .042\* |

Notes: *β =* unstandardized coefficients for beta. Residual *df* reported. In the AD patient group, *R*2 for the final model was .17. Δ*R*2

for Step 1 was .00; from Step 1 to Step 2 was .06; from Step 2 to Step 3 was .02; and from Step 3 to Step 4 was .09. For the control

group, *R*2 for the final model = .23; Δ*R*2 for Step 1 was .00; from Step 1 to Step 2 was .09; from Step 2 to Step 3 was .02; and from

Step 3 to Step 4 was .13.

\**p* < .05. \*\**p* < .01. \*\*\**p* < .001.

**Table S5.** Multiple regression: Effects of age, sex, quality of education, and level of education on Recent Memory subscale score (N = 98)

|  |  |
| --- | --- |
|  | Group |
|  | Control |  | AD Patients |
|  | (*n* = 51) |  | (*n* = 47) |
| Regression model steps | *β* | *df* | F | *p* |  | *β* | *df* | F | *p* |
| Step 1: Age | 0.00 | 49 | 0.10 | .755 |  | -0.01 | 45 | 0.42 | .519 |
| Step 2: Sex | 0.44 | 48 | 1.13 | .148 |  | -0.23 | 44 | 0.51 | .439 |
| Step 3: Quality of education | - | 46 | 1.83 | .096 |  | - | 41 | 1.09 | .238 |
|  Private-urban | -0.88 | - | - | - |  | -0.52 | - | - | - |
|  Private-rural | - | - | - | - |  | 0.25 | - | - | - |
|  Public-rural | 0.65 | - | - | - |  | -0.85 | - | - | - |
| Step 4: Level of education | 0.05 | 45 | 2.34 | .055 |  | 0.04 | 40 | 1.06 | .340 |

Notes: *β =* unstandardized coefficients for beta. Residual *df* reported. In the AD patient group, *R*2 for the final model was .14. Δ*R*2

for Step 1 was .01; from Step 1 to Step 2 was .01; from Step 2 to Step 3 was .10; and from Step 3 to Step 4 was .02. For the control

group, *R*2 for the final model = .21. Δ*R*2 for Step 1 was .00; from Step 1 to Step 2 was .04; from Step 2 to Step 3 was .09; and from

Step 3 to Step 4 was .07.

\**p* < .05. \*\**p* < .01. \*\*\**p* < .001.

**Table S6.** Multiple regression: Effects of age, sex, quality of education, and level of education on Learning subscale score (N = 98)

|  |  |
| --- | --- |
|  | Group |
|  | Control |  | AD Patients |
|  | (*n* = 51) |  | (*n* = 47) |
| Regression model steps | *β* | *df* | F | *p* |  | *β* | *df* | F | *p* |
| Step 1: Age | -0.06 | 49 | 7.65 | .008\* |  | -0.02 | 45 | 0.07 | .798 |
| Step 2: Sex | 0.56 | 48 | 4.46 | .270 |  | 1.06 | 44 | 0.44 | .370 |
| Step 3: Quality of education |  | 46 | 2.87 | .299 |  |  | 41 | 0.69 | .474 |
|  Private-urban | 1.31 | - | - | - |  | -2.44 | - | - | - |
|  Private-rural | - | - | - | - |  | 2.69 | - | - | - |
|  Public-rural | 0.70 | - | - | - |  | -1.50 | - | - | - |
| Step 4: Level of education | 0.04 | 45 | 2.43 | .398 |  | 0.07 | 40 | 0.59 | .680 |

Notes: *β =* unstandardized coefficients for beta. Residual *df* reported. In the AD patient group, *R*2 for the final model was .08. Δ*R*2

for Step 1 was .00; from Step 1 to Step 2 was .02; from Step 2 to Step 3 was .06; and from Step 3 to Step 4 was .00. For the control

group, *R*2 for the final model = .21. Δ*R*2 for Step 1 was .14; from Step 1 to Step 2 was .02; from Step 2 to Step 3 was .04; and from

Step 3 to Step 4 was .01.

\**p* < .05. \*\**p* < .01. \*\*\**p* < .001.

**Table S7.** Multiple regression: Effects of age, sex, quality of education, and level of education on Orientation subscale score (N = 98)

|  |  |
| --- | --- |
|  | Group |
|  | Control |  | AD Patients |
|  | (*n* = 51) |  | (*n* = 47) |
| Regression model steps | *β* | *df* | F | *p* |  | *β* | *df* | F | *p* |
| Step 1: Age | -0.02 | 49 | 4.75 | .034\* |  | 0.02 | 45 | 0.22 | .643 |
| Step 2: Sex | -0.23 | 48 | 2.95 | .293 |  | 0.26 | 44 | 0.16 | .737 |
| Step 3: Quality of education |  | 46 | 2.63 | .127 |  |  | 41 | 0.36 | .687 |
|  Private-urban | -0.78 | - | - | - |  | 0.25 | - | - | - |
|  Private-rural | - | - | - | - |  | 1.20 | - | - | - |
|  Public-rural | 0.09 | - | - | - |  | -1.06 | - | - | - |
| Step 4: Level of education | 0.04 | 45 | 3.62 | .015\* |  | 0.19 | 40 | 0.80 | .097 |

Notes: *β =* unstandardized coefficients for beta. Residual *df* reported. In the AD patient group, *R*2 for the final model was .11. Δ*R*2

for Step 1 was .01; from Step 1 to Step 2 was .00; from Step 2 to Step 3 was .04; and from Step 3 to Step 4 was .06. For the control

group, *R*2 for the final model = .29. Δ*R*2 for Step 1 was .09; from Step 1 to Step 2 was .02; from Step 2 to Step 3 was .08; and from

Step 3 to Step 4 was .10.

\**p* < .05. \*\**p* < .01. \*\*\**p* < .001.

**Table S8.** Multiple regression: Effects of age, sex, quality of education, and level of education on Language subscale score (N = 98)

|  |  |
| --- | --- |
|  | Group |
|  | Control |  | AD Patients |
|  | (*n* = 51) |  | (*n* = 47) |
| Regression model steps | *β* | *df* | F | *p* |  | *β* | *df* | F | *p* |
| Step 1: Age | -0.05 | 49 | 3.60 | .064 |  | 0.01 | 45 | 0.03 | .875 |
| Step 2: Sex | -1.26 | 48 | 5.08 | .016\* |  | -1.05 | 44 | 0.42 | .372 |
| Step 3: Quality of education | - | 46 | 2.70 | .646 |  | - | 41 | 0.56 | .584 |
|  Private-urban | -0.67 | - | - | - |  | 0.29 | - | - | - |
|  Private-rural | - | - | - | - |  | -5.19 | - | - | - |
|  Public-rural | 0.48 | - | - | - |  | -0.22 | - | - | - |
| Step 4: Level of education | 0.11 | 45 | 9.29 | .009\*\* |  | 0.46 | 40 | 1.91 | <.007\*\* |

Notes: *β =* unstandardized coefficients for beta. Residual *df* reported. In the AD patient group, *R*2 for the final model was .22 Δ*R*2

for Step 1 was .00; from Step 1 to Step 2 was .02; from Step 2 to Step 3 was .05; and from Step 3 to Step 4 was .16. For the control

group, *R*2 for the final model = .30. Δ*R*2 for Step 1 was .07; from Step 1 to Step 2 was .11; from Step 2 to Step 3 was .02; and from

Step 3 to Step 4 was .11.

\**p* < .05. \*\**p* < .01. \*\*\**p* < .001.

**Table S9.** Multiple regression: Effects of age, sex, quality of education, and level of education on Attention/Calculation subscale score (N = 98)

|  |  |
| --- | --- |
|  | Group |
|  | Control |  | AD Patients |
|  | (*n* = 51) |  | (*n* = 47) |
| Regression model steps | *β* | *df* | F | *p* |  | *β* | *df* | F | *p* |
| Step 1: Age | -0.01 | 49 | 0.55 | .460 |  | -0.05 | 45 | 1.31 | .258 |
| Step 2: Sex | -0.60 | 48 | 1.74 | .094 |  | -.032 | 44 | 0.70 | .730 |
| Step 3: Quality of education | - | 46 | 2.54 | .051 |  | - | 41 | 1.25 | .206 |
|  Private-urban | 0.35 | - | - | - |  | -0.36 | - | - | - |
|  Private-rural | - | - | - | - |  | - | - | - | - |
|  Public-rural | -1.39 | - | - | - |  | 2.48 | - | - | - |
| Step 4: Level of education | -0.02 | 45 | 2.10 | .467 |  | 0.23 | 40 | 1.57 | .097 |

Notes: *β =* unstandardized coefficients for beta. Residual *df* reported. In the AD patient group, *R*2 for the final model was .19. Δ*R*2

for Step 1 was .03; from Step 1 to Step 2 was .00; from Step 2 to Step 3 was .10; and from Step 3 to Step 4 was .06. For the control

group, *R*2 for the final model = .19. Δ*R*2 for Step 1 was .01; from Step 1 to Step 2 was .06; from Step 2 to Step 3 was .11; and from

Step 3 to Step 4 was .01.

\**p* < .05. \*\**p* < .01. \*\*\**p* < .001.

**Table S10.** Multiple regression: Effects of age, sex, quality of education, and level of education on Praxis subscale score (N = 98)

|  |  |
| --- | --- |
|  | Group |
|  | Control |  | AD Patients |
|  | (*n* = 51) |  | (*n* = 47) |
| Regression model steps | *β* | *df* | F | *p* |  | *β* | *df* | F | *p* |
| Step 1: Age | -0.03 | 49 | 4.12 | .048 |  | -0.02 | 45 | 0.33 | .570 |
| Step 2: Sex | -0.07 | 48 | 2.04 | .837 |  | -0.24 | 44 | 0.21 | .754 |
| Step 3: Quality of education |  | 46 | 1.19 | .678 |  |  | 41 | 0.17 | .928 |
|  Private-urban | 0.43 | - | - | - |  | 0.10 | - | - | - |
|  Private-rural | - | - | - | - |  | -0.10 | - | - | - |
|  Public-rural | 0.38 | - | - | - |  | 0.66 | - | - | - |
| Step 4: Level of education | 0.04 | 45 | 1.32 | .191 |  | 0.41 | 40 | 3.24 | <.001\*\*\* |

Notes: *β =* unstandardized coefficients for beta. Residual *df* reported. In the AD patient group, *R*2 for the final model was .33 Δ*R*2

for Step 1 was .01; from Step 1 to Step 2 was .00; from Step 2 to Step 3 was .01; and from Step 3 to Step 4 was .31. For the control

group, *R*2 for the final model = .13. Δ*R*2 for Step 1 was .08; from Step 1 to Step 2 was .00; from Step 2 to Step 3 was .02; and from

Step 3 to Step 4 was .03.

\**p* < .05. \*\**p* < .01. \*\*\**p* < .001.

**Table S11.** Multiple regression: Effects of age, sex, quality of education, and level of education on Abstract Thinking subscale score

(N = 98)

|  |  |
| --- | --- |
|  | Group |
|  | Control |  | AD Patients |
|  | (*n* = 51) |  | (*n* = 47) |
| Regression model steps | *β* | *df* | F | *p* |  | *β* | *df* | F | *p* |
| Step 1: Age | -0.04 | 49 | 3.86 | .055 |  | -0.14 | 45 | 12.86 | .001\*\* |
| Step 2: Sex | -0.24 | 48 | 2.08 | .550 |  | -0.48 | 44 | 6.54 | .530 |
| Step 3: Quality of education |  | 46 | 1.12 | .802 |  |  | 41 | 2.94 | .588 |
|  Private-urban | -0.21 | - | - | - |  | 0.36 | - | - | - |
|  Private-rural | - | - | - | - |  | -2.49 | - | - | - |
|  Public-rural | -0.45 | - | - | - |  | 0.87 | - | - | - |
| Step 4: Level of education | 0.11 | 45 | 3.61 | .001\*\* |  | 0.21 | 40 | 3.18 | .070 |

Notes: *β =* unstandardized coefficients for beta. Residual *df* reported. In the AD patient group, *R*2 for the final model was .32 Δ*R*2

for Step 1 was .22; from Step 1 to Step 2 was .01; from Step 2 to Step 3 was .04; and from Step 3 to Step 4 was .06. For the control

group, *R*2 for the final model = .29. Δ*R*2 for Step 1 was .07; from Step 1 to Step 2 was .01; from Step 2 to Step 3 was .01; and from

Step 3 to Step 4 was .20.

\**p* < .05. \*\**p* < .01. \*\*\**p* < .001.

**Table S12.** Multiple regression: Effects of age, sex, quality of education, and level of education on Perception subscale score (N = 98)

|  |  |
| --- | --- |
|  | Group |
|  | Control |  | AD Patients |
|  | (*n* = 51) |  | (*n* = 47) |
| Regression model steps | *β* | *df* | F | *p* |  | *β* | *df* | F | *p* |
| Step 1: Age | -0.06 | 49 | 9.87 | .001\*\*\* |  | -0.04 | 45 | 2.46 | .124 |
| Step 2: Sex | -0.33 | 48 | 5.21 | .433 |  | -0.71 | 44 | 2.10 | .205 |
| Step 3: Quality of education |  | 46 | 4.11 | .081 |  |  | 41 | 1.47 | .377 |
|  Private-urban | -1.64 | - | - | - |  | 0.94 | - | - | - |
|  Private-rural | - | - | - | - |  | -2.51 | - | - | - |
|  Public-rural | 0.34 | - | - | - |  | 0.36 | - | - | - |
| Step 4: Level of education | 0.00 | 45 | 3.22 | .984 |  | 0.03 | 40 | 1.22 | .723 |

Notes: *β =* unstandardized coefficients for beta. Residual *df* reported. In the AD patient group, *R*2 for the final model was .16 Δ*R*2

for Step 1 was .05; from Step 1 to Step 2 was .03; from Step 2 to Step 3 was .07; and from Step 3 to Step 4 was .00. For the control

group, *R*2 for the final model = .26. Δ*R*2 for Step 1 was .17; from Step 1 to Step 2 was .01; from Step 2 to Step 3 was .09; and from

Step 3 to Step 4 was .00.

\**p* < .05. \*\**p* < .01. \*\*\**p* < .001.

**Table S13.** Multiple regression: Effects of age, sex, quality of education, and level of education on MMSE score (N = 98)

|  |  |
| --- | --- |
|  | Group |
|  | Control |  | AD Patients |
|  | (*n* = 51) |  | (*n* = 47) |
| Regression model steps | *β* | *df* | F | *p* |  | *β* | *df* | F | *p* |
| Step 1: Age | -0.09 | 49 | 12.21 | .001\*\* |  | -0.06 | 45 | 0.56 | .460 |
| Step 2: Sex | -0.77 | 48 | 7.30 | .153 |  | -0.35 | 44 | 0.30 | .815 |
| Step 3: Quality of education |  | 46 | 7.73 | .706 |  |  | 41 | 0.17 | .965 |
|  Private-urban | -0.48 | - | - | - |  | -1.38 | - | - | - |
|  Private-rural | - | - | - | - |  | -0.28 | - | - | - |
|  Public-rural | 0.59 | - | - | - |  | -0.56 | - | - | - |
| Step 4: Level of education | 0.11 | 45 | 4.68 | .013\* |  | 0.49 | 40 | 1.01 | .029\* |

Notes: *β =* unstandardized coefficients for beta. Residual *df* reported. In the AD patient group, *R*2 for the final model was .13 Δ*R*2

for Step 1 was .01; from Step 1 to Step 2 was .00; from Step 2 to Step 3 was .01; and from Step 3 to Step 4 was .11. For the control

group, *R*2 for the final model = .34. Δ*R*2 for Step 1 was .20; from Step 1 to Step 2 was .03; from Step 2 to Step 3 was .01; and from

Step 3 to Step 4 was .10.

\**p* < .05. \*\**p* < .01. \*\*\**p* < .001.