**Results in groups of those with the *APOE* E3/E3 and E3/E4 genotypes**

The main, moderation and mediation effect specific genotypes results are in Tables K-M. Results were similar across groups, with a few differences to be noted here. Unlike in the E4 status grouping, there was no statistically significant main effect of *APOE* genotype on cognitive ability. Also, unlike in the other three groups, the estimates for the effects of depressive symptoms and allostatic load in the E3/E4 group were not statistically significant. Plus, in the mediation models, there was a significant effect of AL on the slope in the E3/E3 group.

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| **Table K. Main Effect and Moderation Tests in Groups of Those with the *APOE* E3/E3 and E3/E4 Genotypes.** |
| **Predictor** | **Regression constrained** | **Regression of intercept on predictor *estimate* (*SE*)** | **Regression of slope on predictor *estimate* (*SE*)** | **χ2SB (Δχ2SB)** | ***df* (Δχ2SB *df*)** | **Δχ2SB *p*** | ***RMSEA*** | ***SRMR*** |
| **E3/E3 group** | **E3/E4 group** | **E3/E3 group** | **E3/E4 group** |
| **Depressive symptoms** | **None** | -0.17(0.05)\*\*\* | -0.19(0.08)\* | -0.91(0.26)\*\*\* | -0.79(0.73) | 787.22 (N/A) | 380 (N/A) | N/A | .050 | .073 |
| **Depressive symptoms** | **Intercept** | -0.17(0.04)\*\*\* | -0.19(0.05)\*\*\* | -0.91(0.26)\*\*\* | -0.80(0.71) | 787.16 (0.01) | 381 (1) | .93 | .050 | .073 |
| **Depressive symptoms** | **Slope** | -0.17(0.05)\*\*\* | -0.19(0.08)\* | -0.90(0.26)\*\*\* | -0.82(0.63) | 787.82 (0.01) | 381 (1) | .93 | .050 | .073 |
| **Neuroticism** | **None** | -0.23(0.05)\*\*\* | -0.23(0.08)\*\* | -0.81(0.53) | -0.59(1.88) | 915.38 (N/A) | 472 | N/A | .047 | .069 |
| **Neuroticism** | **Intercept** | -0.22(0.04)\*\*\* | -0.26(0.05)\*\*\* | -0.83(0.47) | -0.41(2.56) | 915.44 (0.20) | 473 (1) | .66 | .047 | .069 |
| **Neuroticism** | **Slope** | -0.23(0.05)\*\*\* | -0.23(0.08)\*\* | -0.77(0.61) | -0.78(0.92) | 914.77 (0.03) | 473 (1) | .87 | .047 | .069 |
| **Allostatic load** | **None** | -0.12(0.05)\*\* | -0.09(0.07) | -0.84(0.40)\* | -0.96(0.34)\*\* | 788.27 (N/A) | 380 (N/A) | N/A | .050 | .075 |
| **Allostatic load** | **Intercept** | -0.11(0.04)\*\* | -0.12(0.04)\*\* | -0.86(0.37)\* | -0.94(0.43)\* | 788.46 (0.27) | 381 (1) | .60 | .050 | .075 |
| **Allostatic load** | **Slope** | -0.12(0.05)\*\* | -0.01(0.08) | -0.87(0.32)\*\* | -0.91(0.55) | 787.83 (0.06) | 381 (1) | .80 | .050 | .075 |
| *N* = 859. E3/E3 group *n* = 597. E3/E4 group *n* = 262. All χ2SB *p*s < .001. All estimates are standardized. SB = Satorra-Bentler. *RMSEA* = root mean square error of approximation. *SRMR* = standardized root mean square residual.\**p* ≤ .05. \*\**p* ≤ .01. \*\*\**p* ≤ .001. |

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| **Table L. Parameter Estimates from the Mediation Model in Groups of Those with the *APOE* E3/E3 and E3/E4 Genotypes.** |
| **Regression constrained to equality** | **Intercept on N *est.* (*SE*)** | **Slope on N *est.* (*SE*)** | **AL on N *est.* (*SE*)** | **Intercept on AL *est.* (*SE*)** | **Slope on AL *est.* (*SE*)** |
| **E3/E3 group** | **E3/E4 group** | **E3/E3 group** | **E3/E4 group** | **E3/E3 group** | **E3/E4 group** | **E3/E3 group** | **E3/E4 group** | **E3/E3 group** | **E3/E4 group** |
| **None** | -0.22(0.05)\*\*\* | -0.22(0.08)\*\* | -0.51(0.54) | -0.19(1.07) | 0.06(0.05) | 0.08(0.08) | -0.11(0.05)\* | -0.07(0.07) | -0.71(0.44) | -0.87(0.51) |
| **Intercept on AL** | -0.23(0.05)\*\*\* | -0.22(0.09)\*\* | -0.49(0.52) | -0.23(1.19) | 0.06(0.05) | 0.08(0.08) | -0.09(0.04)\* | -0.11(0.04)\* | -0.74(0.42) | -0.84(0.63) |
| **Slope on AL** | -0.22(0.05)\*\*\* | -0.22(0.09)\*\* | -0.48(0.51) | -0.27(1.31) | 0.06(0.05) | 0.08(0.08) | -0.11(0.05)\* | -0.08(0.08) | -0.75(0.37)\* | -0.81(0.74) |
| *N* = 859. E3/E3 group *n* = 597. E3/E4 group *n* = 262. All estimates are standardized. N = neuroticism. AL = allostatic load.\**p* ≤ .05. \*\**p* ≤ .01. \*\*\**p* ≤ .001. |

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| **Table M. Tests of Mediation and Moderated Mediation in Groups of Those with the *APOE* E3/E3 and E3/E4 Genotypes.** |
| **Regression constrained to equality** | **Indirect effect on intercept *est.* (*SE*)** | **Indirect effect on slope *est.* (*SE*)** | **χ2SB (Δχ2SB)** | ***df* (Δχ2SB *df*)** | **Δχ2SB *p*** | ***RMSEA*** | ***SRMR*** |
| **E3/E3 group** | **E3/E4 group** | **E3/E3 group** | **E3/E4 group** |
| **None** | -0.007 (0.006) | -0.006 (0.008) | -0.043 (0.044) | -0.071 (0.082) | 962.97 (N/A) | 508 (N/A) | N/A | .046 | .066 |
| **Intercept on AL** | -0.006 (0.005) | -0.009 (0.009) | -0.045 (0.043) | -0.067 (0.085) | 963.30 (0.40) | 509 (1) | .53 | .046 | .067 |
| **Slope on AL** | -0.007 (0.006) | -0.006 (0.008) | -0.046 (0.042) | -0.066 (0.087) | 962.72 (0.07) | 509 (1) | .80 | .046 | .066 |
| *N* = 859. E3/E3 group *n* = 597. E3/E4 group *n* = 262. All χ2SB *p*s < .001. All estimates are standardized. SB = Satorra-Bentler. *RMSEA* = root mean square error of approximation. *SRMR* = standardized root mean square residual. |