A

Study or Subgroup	Estimate MMSE	SE	Weight	Estimate MMSE IV, Random, 95% CI
Leiden 85-plus Study	-0.093	0.077	20.6%	-0.09 [-0.24, 0.06]
LiLACS-NZ - Māori	-0.038	0.12	9.7%	-0.04 [-0.27, 0.20]
LiLACS-NZ - non-Māori	0.11	0.072	22.9%	0.11 [-0.03, 0.25]
Newcastle 85+ Study	-0.086	0.073	22.4%	-0.09 [-0.23, 0.06]
TOOTH	-0.037	0.069	24.4%	-0.04 [-0.17, 0.10]
Total (95% CI)			100.0%	-0.03 [-0.10, 0.05]

Heterogeneity: Tau² = 0.00; Chi² = 5.04, df = 4 (P = 0.28); I² = 21%
Test for overall effect: Z = 0.66 (P = 0.51)

Favours Middle Group   Favours Lowest Q

Study or Subgroup	Estimate MMSE	SE	Weight	Estimate MMSE IV, Random, 95% CI
Leiden 85-plus Study	0.133	0.073	20.8%	0.13 [-0.01, 0.28]
LiLACS-NZ - Māori	-0.186	0.106	14.5%	-0.19 [-0.39, 0.02]
LiLACS-NZ - non-Māori	0.042	0.074	20.6%	0.04 [-0.10, 0.19]
Newcastle 85+ Study	0.025	0.066	22.4%	0.03 [-0.10, 0.15]
TOOTH	-0.12	0.069	21.7%	-0.12 [-0.26, 0.02]
Total (95% CI)			100.0%	-0.01 [-0.12, 0.09]

Heterogeneity: Tau² = 0.01; Chi² = 9.88, df = 4 (P = 0.04); I² = 59%
Test for overall effect: Z = 0.21 (P = 0.83)

Favours Middle Group   Favours Highest Q

B

Study or Subgroup	Estimate ADL	SE	Weight	Estimate ADL IV, Random, 95% CI
Leiden 85-plus Study	-0.024	0.014	27.6%	-0.02 [-0.05, 0.00]
LiLACS-NZ - Māori	0.002	0.029	6.4%	0.00 [-0.05, 0.06]
LiLACS-NZ - non-Māori	-0.025	0.02	13.5%	-0.03 [-0.06, 0.01]
Newcastle 85+ Study	-0.022	0.012	37.5%	-0.02 [-0.05, 0.00]
TOOTH	-0.014	0.019	15.0%	-0.01 [-0.05, 0.02]
Total (95% CI)			100.0%	-0.02 [-0.03, -0.01]

Heterogeneity: Tau² = 0.00; Chi² = 0.85, df = 4 (P = 0.93); I² = 0%
Test for overall effect: Z = 2.75 (P = 0.006)

Favours Middle Group   Favours Lowest Q

Study or Subgroup	Estimate ADL	SE	Weight	Estimate ADL IV, Random, 95% CI
Leiden 85-plus Study	0.024	0.013	26.6%	0.02 [-0.00, 0.05]
LiLACS-NZ - Māori	-0.036	0.026	10.6%	-0.04 [-0.09, 0.01]
LiLACS-NZ - non-Māori	-0.017	0.021	14.7%	-0.02 [-0.06, 0.02]
Newcastle 85+ Study	0.002	0.011	31.0%	0.00 [-0.02, 0.02]
TOOTH	-0.014	0.019	17.0%	-0.01 [-0.05, 0.02]
Total (95% CI)			100.0%	-0.00 [-0.02, 0.02]

Heterogeneity: Tau² = 0.00; Chi² = 6.52, df = 4 (P = 0.16); I² = 39%
Test for overall effect: Z = 0.18 (P = 0.86)
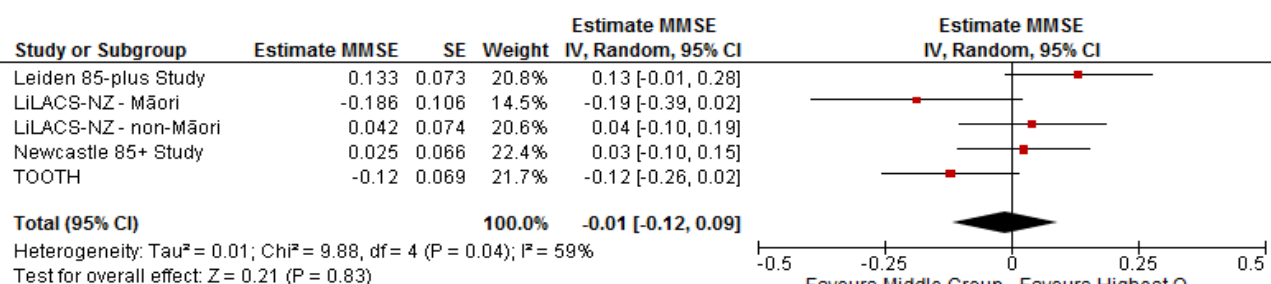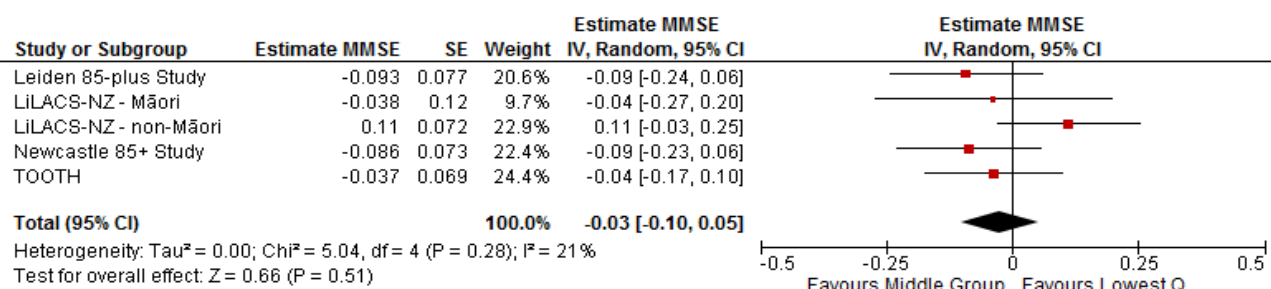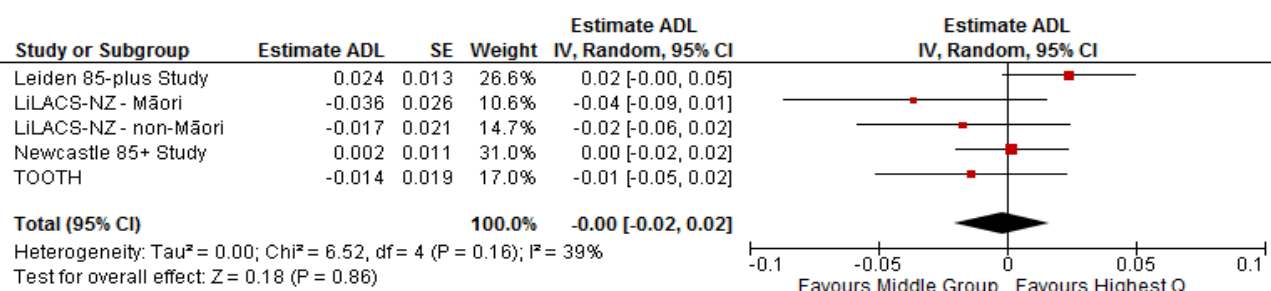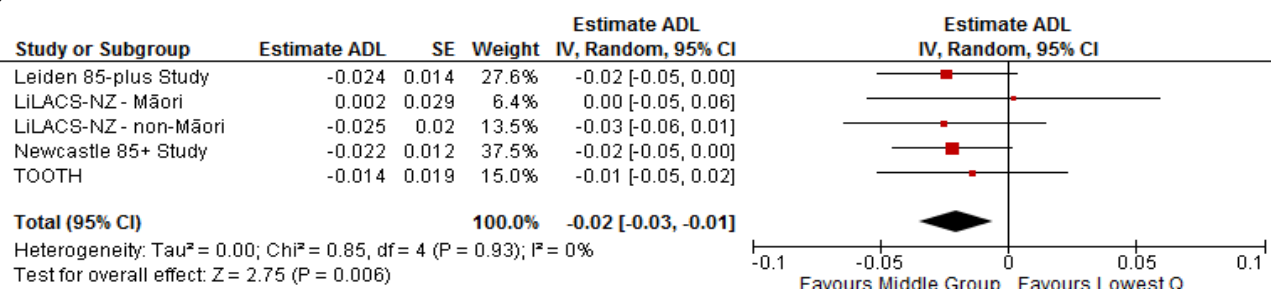
Favours Middle Group   Favours Highest Q

Supplementary Figure 1. Repeated measures linear mixed model estimation of the difference in (A) Mini-Mental State Examination (MMSE) scores and (B) standardized z-scores of activities of daily living (ADL) between the lowest and highest quartile (Q) versus the middle fifty percent group of systolic blood pressure with every six months since baseline. Models were corrected for sex (all) and age (only the Māori and TOOTH cohort). The estimates of the individual cohorts were pooled using a random-effects models with inverse-variance weighting.
SE: standard error. IV: inverse variance. CI: confidence interval.