

G.9.1.2 Cognitive training

| Number of RCTs | Risk of bias | Inconsistency | Indirectness | Imprecision | Sample size | Effect size (95% CI) | Quality |
|--|----------------------|----------------------|--------------|---------------------------|-------------|-------------------------|----------|
| Cognition: MMSE (post-intervention) – higher numbers favour intervention | | | | | | | |
| 9 | Not serious | Serious ¹ | Not serious | Serious ² | 252 | MD 1.31 (-1.36, 3.98) | Low |
| Cognition: MMSE (follow-up) – higher numbers favour intervention | | | | | | | |
| 2 | Serious ³ | Serious ¹ | Not serious | Very serious ⁴ | 24 | MD 0.96 (-3.19, 5.11) | Very low |
| Cognition: all measures (post-intervention) – higher numbers favour intervention | | | | | | | |
| 12 | Not serious | Serious ¹ | Not serious | Serious ⁵ | 608 | SMD 0.36 (-0.00, 0.73) | Low |
| Cognition: all measures (follow-up) – higher numbers favour intervention | | | | | | | |
| 6 | Not serious | Not serious | Not serious | Serious ⁵ | 385 | SMD 0.04 (-0.16, 0.24) | Moderate |
| ADL: all measures (post-intervention) – higher numbers favour intervention | | | | | | | |
| 6 | Not serious | Not serious | Not serious | Serious ⁵ | 444 | SMD 0.12 (-0.07, 0.31) | Moderate |
| ADL: all measures (follow-up) – higher numbers favour intervention | | | | | | | |
| 5 | Not serious | Not serious | Not serious | Very serious ⁶ | 366 | SMD -0.00 (-0.21, 0.20) | Low |
| Behavioural and psychological symptoms: NPI (post-intervention) – lower numbers favour intervention | | | | | | | |
| 1 (Amieva 2016) | Not serious | N/A | Not serious | Serious ² | 292 | MD 1.81 (-1.57, 5.19) | Moderate |
| Behavioural and psychological symptoms: NPI (follow-up) – lower numbers favour intervention | | | | | | | |
| 1 (Amieva 2016) | Not serious | N/A | Not serious | Serious ² | 233 | MD 3.73 (-0.38, 7.84) | Moderate |
| Behavioural and psychological symptoms: all measures (post-intervention) – higher numbers favour intervention | | | | | | | |
| 1 (Amieva 2016) | Not serious | N/A | Not serious | Serious ⁵ | 292 | SMD -0.12 (-0.35, 0.11) | Moderate |
| Behavioural and psychological symptoms: all measures (follow-up) – higher numbers favour intervention | | | | | | | |
| 1 (Amieva 2016) | Not serious | N/A | Not serious | Serious ⁵ | 233 | SMD -0.23 (-0.49, 0.03) | Moderate |
| Depression: Cornell scale for depression in dementia (post-intervention) – higher numbers favour intervention | | | | | | | |
| 1 (Bergamaschi 2013) | Serious ³ | N/A | Not serious | Very serious ⁴ | 32 | MD -1.51 (-5.99, 2.77) | Very low |
| Depression: all measures (post-intervention) – higher numbers favour intervention | | | | | | | |
| 7 | Not serious | Serious ¹ | Not serious | Serious ⁵ | 392 | SMD -0.03 (-0.23, 0.17) | Low |
| Depression: all measures (follow-up) – higher numbers favour intervention | | | | | | | |

| Number of RCTs | Risk of bias | Inconsistency | Indirectness | Imprecision | Sample size | Effect size (95% CI) | Quality |
|--|---------------------------|---------------|--------------|---------------------------|-------------|-------------------------|----------|
| 1 (Galante 2007) | Very serious ⁷ | N/A | Not serious | Very serious ⁶ | 11 | SMD 0.05 (-1.18, 1.28) | Very low |
| Quality of life: QoL-AD (post-intervention) – higher numbers favour intervention | | | | | | | |
| 1 (Amieva 2016) | Not serious | N/A | Not serious | Serious ² | 292 | MD -0.87 (-1.93, 0.19) | Moderate |
| Quality of life: QoL-AD (post-intervention) – higher numbers favour intervention | | | | | | | |
| 1 (Amieva 2016) | Not serious | N/A | Not serious | Serious ² | 233 | MD -0.93 (-2.10, 0.24) | Moderate |
| Quality of life: all measures (post-intervention) – higher numbers favour intervention | | | | | | | |
| 1 (Amieva 2016) | Not serious | N/A | Not serious | Serious ⁵ | 292 | SMD -0.19 (-0.42, 0.04) | Moderate |
| Quality of life: all measures (follow-up) – higher numbers favour intervention | | | | | | | |
| 1 (Amieva 2016) | Not serious | N/A | Not serious | Serious ⁵ | 233 | SMD -0.20 (-0.46, 0.05) | Moderate |
| Carer burden: all measures (post-intervention) – higher numbers favour intervention | | | | | | | |
| 3 | Not serious | Not serious | Not serious | Serious ⁵ | 372 | SMD -0.09 (-0.29, 0.12) | Moderate |
| Carer burden: all measures (follow-up) – higher numbers favour intervention | | | | | | | |
| 1 (Amieva 2016) | Not serious | N/A | Not serious | Serious ⁵ | 233 | SMD -0.22 (-0.48, 0.04) | Moderate |
| <ol style="list-style-type: none"> 1. $i^2 > 40\%$ 2. Non-significant result 3. No details of randomisation method or assessor blinding reported 4. Non-significant result and small sample size 5. 95% CI crosses 1 line of a defined MID interval 6. 95% CI crosses 2 lines of a defined MID interval 7. No details of randomisation method or assessor blinding reported. Post-hoc exclusion of participants for 'poor compliance' | | | | | | | |