Table H-15. Strength of evidence for cognition and mood for older versus newer antiepileptic drugs in Key Question 3

| Outcome | Older AED | Newer AEDs | Number of Studies (RCTs, Obs) | Design | Risk of Bias | Quality Assessment | Summary of Findings |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Inconsistency | Indirectness | Imprecision | Quality | Importance |
| Cognition | Carbamazepine | OxcarbazepineTiagabineTopiramateVigabatrin | 4 | RCTs | No serious risk of bias | Serious inconsistency | Serious indirectness | Serious imprecision | Insufficient | Important |
| Cognition | Phenytoin | Tiagabine | 1 | RCT | No serious risk of bias | Not graded | Serious indirectness | Serious imprecision | Insufficient | Important |
| Cognition | Valproic Acid | OxcarbazepineTopiramate | 5 (3, 2) | RCTs and Observational | No serious risk of bias | Serious inconsistency | Serious indirectness | Very serious imprecision | Insufficient | Important |
| Mood | Carbamazepine | Tiagabine | 1 | RCT | No serious risk of bias | Not graded | Serious indirectness | No serious imprecision | Insufficient | Important |
| Mood | Phenytoin | Tagabine | 1 | RCT | No serious risk of bias | Not graded | Serious indirectness | Serious imprecision | Insufficient | Important |
| Mood | Valproic Acid | LamotrigineTopiramate | 3 | RCTs | No serious risk of bias | Serious inconsistency | Serious indirectness | Serious imprecision | Insufficient | Important |

AED = antiepileptic drug; Obs = observational study; RCT = randomized controlled trial