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• 263 eligible studies (primarily in older adults); 13 classes of interventions were identified:

- cognitive training
- physical activity
- nutraceuticals
- diet
- multimodal interventions
- hormone therapy
- vitamins

- antihypertensive treatment
- lipid lowering treatment
- nonsteroidal anti-inflammatory drugs (NSAIDs)
- anti-dementia drugs
- diabetes treatment
- "other interventions"

INTERVENTIONS TO PREVENT COGNITIVE DECLINE

- **NO** high-strength evidence for any intervention to delay cognitive decline.
- Moderate-strength evidence that cognitive training in older adults improves performance in the domain that was trained (memory, processing speed).
 - · Benefits did not transfer to other cognitive areas.
 - Little evidence for benefit beyond 2 years after trial conclusion.
- Low-strength evidence for physical activity, antihypertensive medications, NSAIDs, B vitamins, nutraceuticals, and multimodal interventions.
- Methodological limitations were prominent.
 - Lack of consistent cognitive outcome measures, longer follow-up duration needed, and participant attrition in longer duration interventions.
- Recommended testing interventions that address modifiable risk factors can help to establish their causative role in MCI and AD.

































