Table H-3. Strength of evidence for key outcomes in case management for patients with dementia

| **Outcome, Number of Studies** | **Quality****(Good, Fair or Poor)** | **Consistency****(Consistent or Inconsistent)** | **Directness****(Direct or Indirect)** | **Precision****(Precise or Imprecise)** | **Number of Subjects** | **Summary of Findings** | **Strength of Evidence** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Mortality**10 trialsCallahan 200617Chien 200818Chu 200020Eggert 199124 Eloniemi-Sulkava 200126 Eloniemi-Sulkava 200927 Jansen 201144Miller 199976Mittelman 200665Vickrey 20061072 observational studiesChallis 2002117 Specht 2009151 | Good | Consistent | Direct | Precise | 12,852 | Patients with dementia who receive services from CM programs do not have lower mortality rates | High |
| **Nursing home placement rates** 8 trialsCallahan 200617Chu 200020Eggert 199124 Eloniemi-Sulkava 200126 Eloniemi-Sulkava 200927 Mittelman 200665Mittelman 200869 Newcomer 1999a731 observational studyChallis 2002117 | Fair | Inconsistent | Direct | Precise | 9,534 | No delay in NH placement at 24 months | Moderate |
| **Caregiver burden**8 trialsCallahan 200617Chien 200818Chu 200020Jansen 201144Lam 201049Mittelman 200665Newcomer 1999a73Vickrey 20061072 observational studiesChallis 2002117Specht 2009151 | Fair | Consistent | Direct | Precise | 9,421 | Reduction in CG burden at 12 months | Moderate |
| **Caregiver depression** 3 trialsCallahan 200617Mittelman 200665 Mittelman 200869 | Good | Inconsistent | Direct | Precise | 3,321 | Reduction of CG depression at 2 years | Moderate |
| **Guideline adherence** 1 trialVickrey 2006107 | Fair | Consistent | Direct | Imprecise | 354 | Case management programs that focus on clinical guideline measures for care of dementia increase adherence to those measures | Low |
| **Hospitalizations/ ED visits** 2 trialsCallahan 200617Chien 200818Clark 2004221 observational studyChallis 2002117 | Good | Inconsistent | Direct | Imprecise | 347 | No change in hospitalization rates at 12 mo. | Insufficient |
| **Health care expenditures** 5 trialsEggert 199124Eloniemi-Sulkava 200927Mittelman 200665 Newcomer 1999a73Vickrey 20061071 observational studyChallis 2002117 | Good | Consistent | Direct  | Imprecise | 6,798 | Case management does not reduce health care expenditures for patients with dementia. | Moderate |
| **Intervention characteristics** 1 trialMittelman 200665 | Fair | Consistent | Direct | Imprecise | 406 | Case management programs that serve patients with dementia who have in-home spouse caregivers and continue services for longer than two years are more effective for delaying nursing home placement than programs providing services for 2 years or less. | Low |
| **Outpatient visits**3 trialsCallahan 200617Clark 200422Jansen 2011441 observational studyChallis 2002117 | Good | Inconsistent | Direct | Imprecise | 358 | CM does not change the use of physician visits for patients with dementia. | Insufficient |