Table H-5. Strength of evidence for key outcomes in case management for patients with diabetes mellitus

| **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**1 trialShea 2009100  | Poor | Unknown (single study) | Direct | Precise | 1,417 | No mortality benefit identified | Low |
| **Quality of life**2 trialsBabamoto 20096Wolf 2004111 | Poor | Inconsistent | Indirect | Imprecise | 465 | No quality of life benefit identified  | Insufficient |
| **Improvement in HgA1c**9 trialsBabamoto 20096Brown 201114 California Medi-Cal 200415 Gary 200333Gary 200936Ishani 201142Krein 200447Shea 200298Wolf 20041113 observational studiesCurtis 2009120Dorr 2005121Wilson 2005154 | Good | Inconsistent | Indirect | Precise | 12,994 | CM improves HgA1C levels.  | Moderate  |
| **Improvement in blood pressure**5 trialsCalifornia Medi-Cal 200415Gary 200936Ishani 201142Krein 200447Shea 200298 | Fair | Inconsistent | Indirect | Imprecise | 2,916 | No clear benefit identified | Insufficient |
| **Improvement in LDL cholesterol**6 trialsCalifornia Medi-Cal 200415Gary 200936Ishani 201142Krein 200447Shea 200298Wolf 2004111 | Good | Inconsistent | Indirect | Precise | 3,063 | No effect on LDL levels. | Moderate |
| **Improvement in HDL cholesterol**3 trialsCalifornia Medi-Cal 200415Gary 200936Wolf 2004111 | Fair | Consistent | Indirect | Precise | 1,006 | No benefit identified  | Moderate |
| **Improvement in total cholesterol**3 trialsCalifornia Medi-Cal 200415Gary 200936Wolf 2004111 | Fair | Consistent | Indirect | Precise | 1,006 | No benefit identified  | Moderate |
| **Improvement in triglycerides**2 trials California Medi-Cal 200415Gary 200333Wolf 2004111 | Fair | Inconsistent | Indirect | Imprecise | 650 | No benefit identified  | Low |
| **Improvement in BMI/weight**5 trialsBabamoto 20096Brown 201114 California Medi-Cal 200415Gary 200936Wolf 2004111 | Fair | Inconsistent | Indirect | Precise | 1,407 | No effect of CM on BMI or weight  | Moderate |
| **Emergency department visits** 2 trialsBabamoto 20096Gary 200936 | Poor | Inconsistent | Direct | Precise | 860 | No clear benefit identified  | Insufficient |
| **Hospitalizations**2 trialsGary 200936Krein 200447 | Poor | Consistent | Direct | Imprecise | 751 | No reduction in hospitalizations  | Low |