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