Medication therapy management interventions in outpatient settings


Record Status
This is a bibliographic record of a published health technology assessment from a member of INAHTA. No evaluation of the quality of this assessment has been made for the HTA database.

Citation

Authors' objectives
To describe intervention components and implementation features (Key Question [KQ]1) for outpatient medication therapy management (MTM) interventions with comprehensive medication review, followup, education, and care coordination; assess the effectiveness of these MTM interventions on intermediate, patient-centered, or resource utilization outcomes (KQ 2); identify intervention features (KQ 3) and patient characteristics (KQ 4) that moderate the effect of an intervention on outcomes; and assess harms associated with interventions (KQ 5).

Authors' conclusions
The evidence base offers low evidence of benefit for a limited number of intermediate and health utilization outcomes. We graded the evidence as insufficient for most other outcomes because of inconsistency in direction, magnitude, and precision, rather than lack of evidence. Wide variations in populations and interventions, both within and across studies, likely explain these inconsistencies. Given the widespread implementation of MTM and urgent need for actionable information, optimal investments in new research require a process of research prioritization in which the value of information from each proposed study is carefully considered. Studies designed to identify causal relationships between MTM interventions and their outcomes require adequate controls for confounding but may offer limited information on the factors that explain program success or failure. Studies designed to explore the reasons for program success or failure using qualitative or single-arm designs may offer hypotheses-generating rather than hypotheses-confirming insights on MTM effectiveness. New research, regardless of specific focus, will likely continue to find inconsistent results until underlying sources of heterogeneity are accounted for.

Final publication URL

Indexing Status
Subject indexing assigned by CRD

MeSH
Humans; Drug Therapy; Outpatients

Language Published
English

Country of organisation
United States

English summary
An English language summary is available.

Address for correspondence
AHRQ, Center for Outcomes and Evidence Technology Assessment Program, 540 Gaither Road, Rockville, MD
AccessionNumber
32014001406

Date abstract record published
24/11/2014