

Outcomes of Blood Pressure Management in Diabetes Patients with Comorbidities

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Description

Blood pressure control in patients with diabetes requires individualized decisions to balance treatment risks and benefits. However, little evidence is available to guide such decision making. This study aims to investigate predictors, patterns, and outcomes of blood pressure management among patients with diabetes and coexisting health conditions. The long-term goal is to use these findings to optimize existing blood pressure management guidelines for patients with diabetes.

Specific Aims

1. To study how blood pressure in patients with diabetes is influenced by other chronic diseases over time.
2. To evaluate the association of blood pressure control and the burden of other chronic disease with adverse clinical outcomes (stroke, ischemic cardiac events, hospitalization, and death) in diabetes patients.
3. Using study results, to develop guideline prototypes that minimize the probability of adverse events in complex patients.

Main Objective

Enhance guidelines for blood pressure management among patients with multiple health problems including diabetes.

Chronic Conditions Considered

Hypertension
Type 2 diabetes

Preventive Services Considered

Screening for type 2 diabetes mellitus in adults

Study Design & Population

Longitudinal cohort study
Approximately 20,000 patients enrolled in the University of Michigan clinical diabetes registry from 2005-2008.

Strategies Addressed from the National MCC Strategic Framework

- 3.C. Address multiple chronic conditions in guidelines
- 4.C. Increase clinical health research

