



Improving Medication Adherence for Chronic Disease Using Integrated e-Technologies

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Improving Medication Adherence for Chronic Disease Using Integrated e-Technologies

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Abstract:

Diabetes mellitus (DM) is a chronic disease affecting more than 285 people worldwide and the fourth leading cause of death. Increasing evidence suggests that many DM patients have poor adherence with prescribed medication therapies, impacting clinical outcomes. Patients' barriers to medication adherence and the extent to which barriers contribute to poor outcomes, however, are not routinely assessed. We designed a dashboard for an electronic health record system to integrate DM disease and medication data, including patient-reported barriers to adherence. Processes to support routine capture of data from patients are also being explored. The dashboard is being evaluated at multiple ambulatory clinics to examine whether integrated electronic tools can support patient-centered decision-making processes involving complex medication regimens for DM and other chronic diseases.

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