Title of Intervention and Website: The use of a microcomputer-based registry to increase adult immunizations

Intervention Strategies: Individual Education, Provider Education, Environments and Policies

Purpose of the Intervention: To increase adult immunizations by using a micro-computer based registry

Population: Participants over the age of 18 with diabetes mellitus

Setting: Cosmopolitan International Diabetes Center in Columbia, Missouri; health care facility-based

Partners: None mentioned

Intervention Description:
- Individual Education: Patients received billfold-sized cards with their current influenza, pneumococcal, and tetanus immunization status as well as their current medications and dates of some of their recent medical check-ups (mammogram, pap smear, cholesterol, eye exam).
- Provider Education: The database generated reminders to health care providers before each patient visit. These reminders were "warnings" indicating if the patient had not received a specific vaccine or received a specific check-up within an appropriate timeframe.
- Environments and Policies: A microcomputer based registry was implemented throughout the clinic to generate patient summaries for health care providers prior to clinic visits. A warning was printed on the summary sheet if a given immunization was out of date or not documented.

Theory: Not mentioned

Resources Required:
- Staff/Volunteers: Health care providers, staff to enter data
- Training: Not mentioned
- Technology: Computer, printer, registry software
- Space: Not mentioned
- Budget: Not mentioned
- Intervention: Access to medical records, vaccines, billfold size immunization cards
- Evaluation: Survey

Evaluation:
- Design: Cohort
- Methods and Measures:
  - A patient multiple choice questionnaire obtained self-reported immunization data
  - Immunization rates were measured through chart audits

Outcomes:
- Short Term Impact: Patient accuracy in immunization recall was poor.
- Long Term Impact: There was a marked increase in immunization rates following implementation of the new registry.

Maintenance: Not mentioned

Lessons Learned: Patient memory is not a reliable source of the patient's immunization history.

Citation(s):