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## 76.4% of African American and Hispanic/Latino patients with diabetes managed by a clinical pharmacist experienced a lowering of HbA1c by ≥ 0.5 percentage points versus 43.2% of patients that did not have a pharmacist on their Care Team.

### BACKGROUND

**Problem Statement:** 

- Ethnic minorities, including African Americans (AA) and Hispanics/Latinos (HL), in the U.S. are disproportionately affected by most diabetesrelated complications.<sup>1</sup>
- AA with diabetes are more likely to develop kidney disease and kidney failure requiring dialysis than non-Hispanic whites.<sup>2</sup>
- HL with type 2 diabetes exhibit poorer glycemic control, greater disease severity, and worse outcomes than non-Hispanic whites.<sup>3</sup>
- Hemoglobin A1c (HbA1c) is a widely used and accepted test for the diagnosis of prediabetes and diabetes and the assessment of glycemic control in patients with diabetes. The American Diabetes Association (ADA) goal for most adults with diabetes is a HbA1<sub>c</sub> of < 7%.

**Figure 1: Baseline HbA1c Data in West Region AA Patients Pre-Pharmacist** 





lentify patients to be seen for the next day Pharmacist updates provider (via post it note or in person) r atients with HgA1d edication issues, o due for next A1c Patient arrives at clinic for scheduled appt. and completes check-in at front desk

harmaciist scrub daily schedule to

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# Impact of Primary Care-Embedded Pharmacists on Hemoglobin A1c Control in West Region African American and Hispanic/Latino Adults with Diabetes

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Intervention Type	Number of Interv
Monitoring Needed	520
Cost/Formulary Issue	240
CGM Management	195
Change in Dosage	186
Medication Selection	142

1 month (in person; phone OK if transportation/schedule is a barrier): medication changes that are unlikely to cause side effects, small diet/exercise plan changes. Pharmacist documents in Office Visit on pharmacist schedule.

**Process Owner** Mark Greg, PharmD Improvement Leader Imran Khan, PharmD

- Care. 2001;24:454-459.

(2) Young BA, Pugh JA, Maynard C, Reiber G: Diabetes and renal disease in veterans. *Diabetes Care*. 2004;27(Suppl. 2):B45–B49. (3) Harris MI. Racial and ethnic differences in health care access and health outcomes for adults with type 2 diabetes. *Diabetes*