



# The Hilltop Institute

## The Hilltop Pre-DC Model™: Severe Diabetes Complications

**Purpose:** The Hilltop Pre-DC Model™ - which generates the rankings for the Severe Diabetes Complications (Pre-DC) scores - is designed to facilitate the active management of type-2 diabetes by estimating individuals' risk of incurring inpatient admissions or emergency department (ED) visits for severe diabetes complications. The Pre-DC Model provides risk scores and reasons for risk for all attributed beneficiaries of Maryland Primary Care Program (MDPCP) practices every month to help care teams proactively identify high-risk individuals and allocate scarce care management resources.

**Outcome:** The Hilltop Pre-DC Model™ predicts risk for an inpatient hospitalization or ED visit due to severe complications of type-2 diabetes in the next month across six domains of complications: ophthalmic/retinopathy; nephropathy; cerebrovascular; cardiovascular; peripheral vascular; metabolic.

**New Risk Factors:** In addition to the 204 risk factors already included in the Hilltop Pre-AH Model™, the Hilltop Pre-DC Model™ will include 18 new risk factors engineered specifically for this model. These risk factors were created using administrative claims data and have been shown to predict severe complications of type-2 diabetes in previously published work.

For more information on the tool, visit the MDPCP “practice information” [webpage](#).

fact sheet

