

# HILLTOP Pre-AH MODEL™

## ABOUT the MODEL

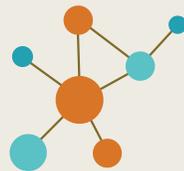
The Hilltop Pre-AH Model™ is a risk prediction model that uses a variety of risk factors derived from Medicare claims data to estimate the probability that a given patient incurs an avoidable hospital event in the near future. These risk scores are intended to assist Maryland Primary Care Program (MDPCP) practices with the identification of beneficiaries that have a high risk of incurring an avoidable hospitalization or emergency department event.

**1 in 8**  
non-obstetric inpatient stays  
are potentially avoidable<sup>1</sup>

In 2017, this cost  
**\$33.7**  
billion nationally

## MODEL DEVELOPMENT by the numbers ...

Reviewed  
**3,300**  
papers



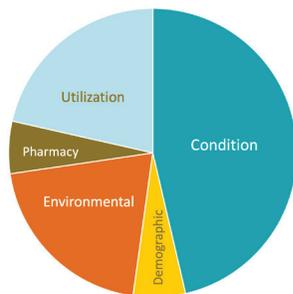
Used  
**13** public  
data sets

Used  
**102** million  
Medicare claims



Created  
**206**  
risk factors

## MARYLAND MONTHLY GENERATED RISK SCORES<sup>2</sup>



**345,660**  
people

**473**  
practices

**1,898**  
providers

### ABOUT HILLTOP

The Hilltop Institute at UMBC is dedicated to improving the health and wellbeing of people and communities. We conduct cutting-edge data analytics and translational research on behalf of government agencies, foundations, and nonprofit organizations to inform public policy at the national, state, and local levels.

1. <https://www.hcup-us.ahrq.gov/reports/statbriefs/sb259-Potentially-Preventable-Hospitalizations-2017.pdf>  
2. As of August 2020