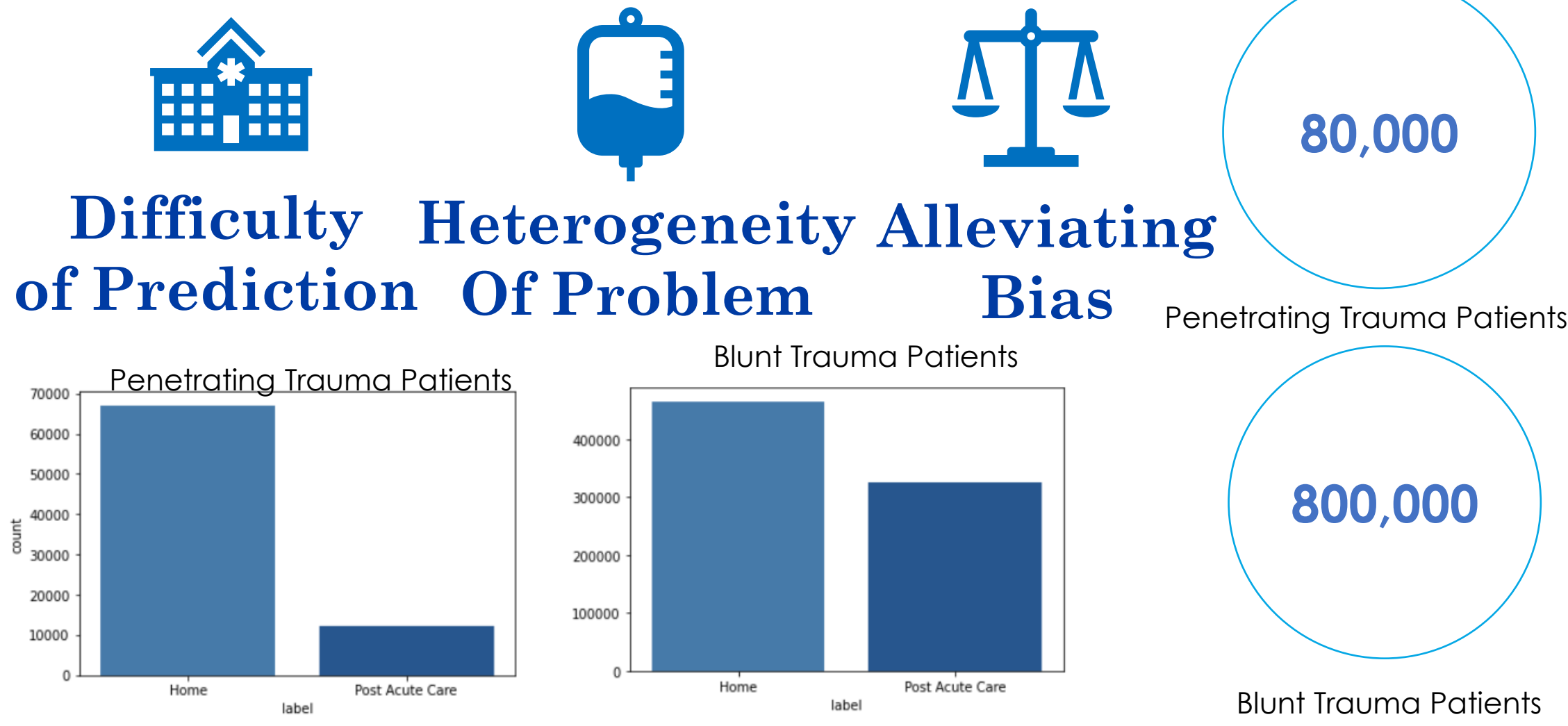
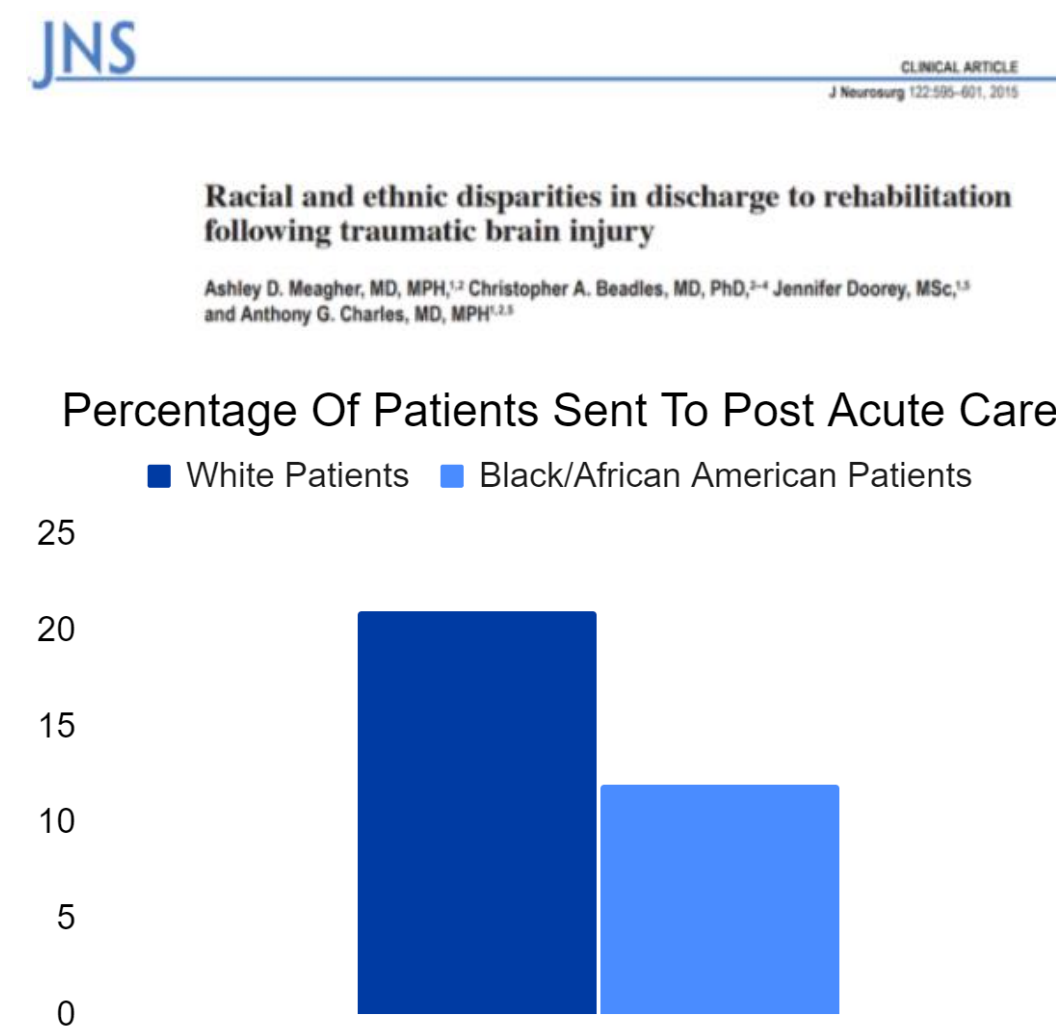


Understanding the Problem

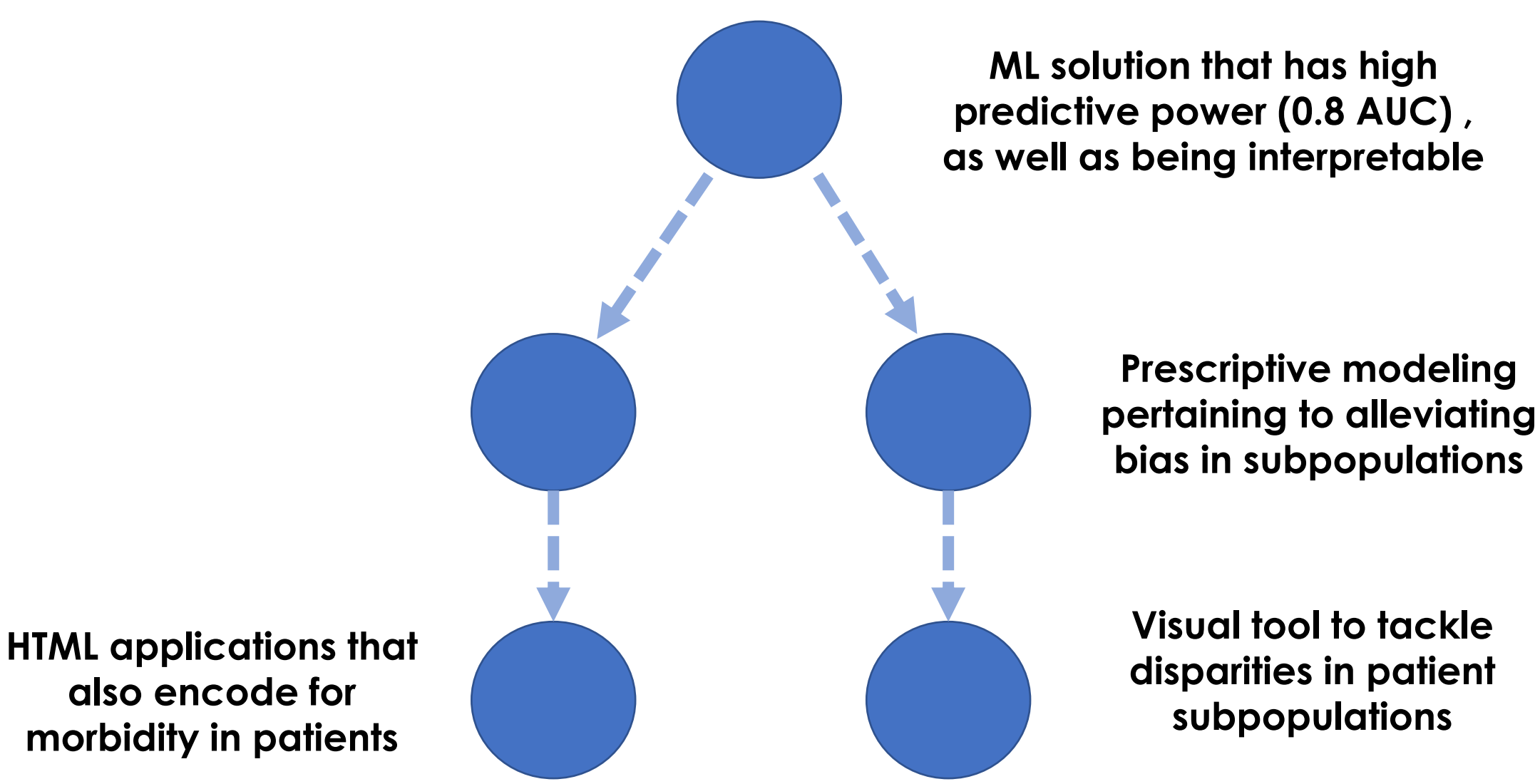


More On Alleviating Bias

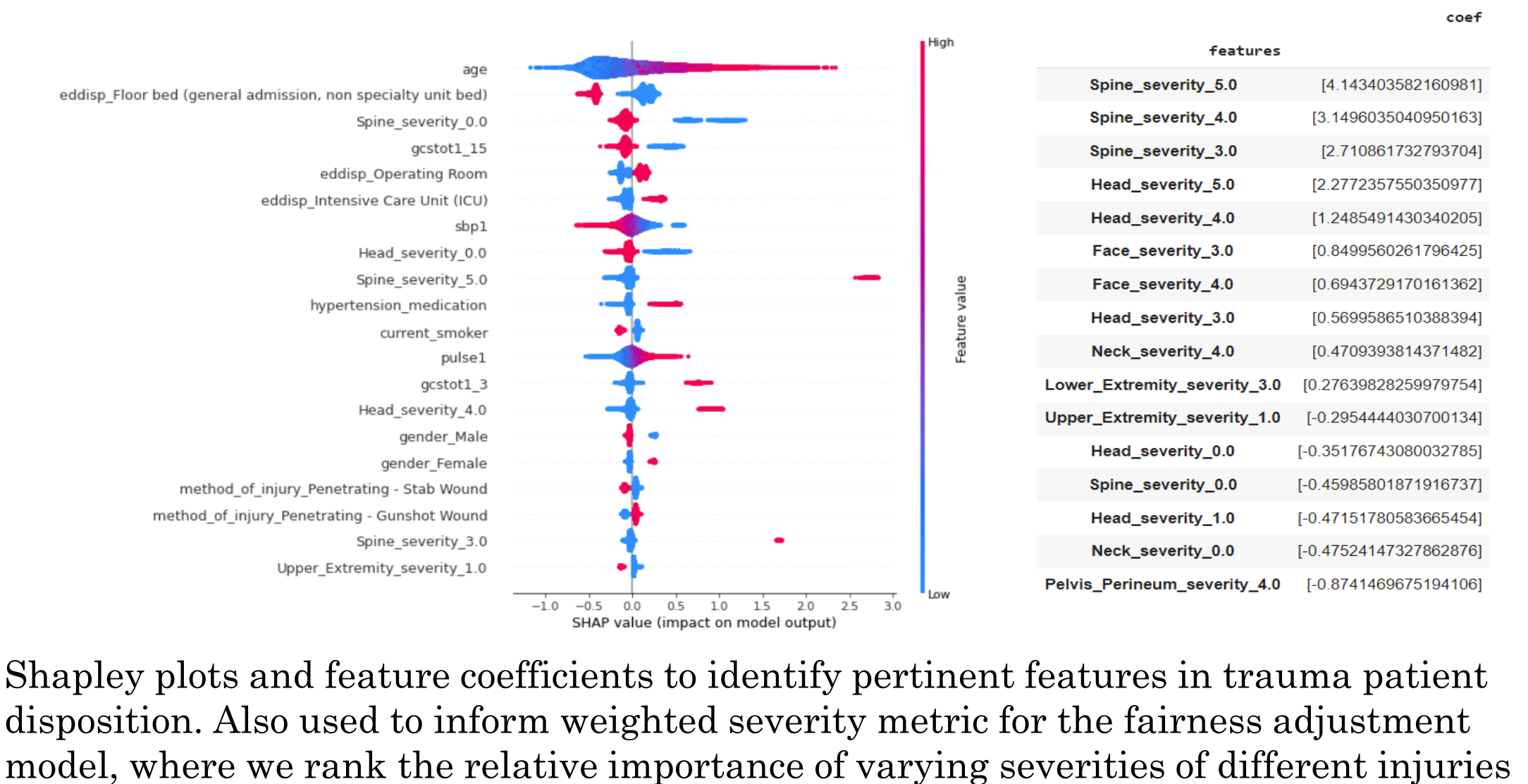


1. Patient subpopulation restricted to **white and black/african american** patients with **penetrating trauma injuries**
2. Post Acute Care referring to trauma rehabilitation centers
3. About **21.3%** of **white** patients go to post acute care, whereas only **12%** of **black/african american** patients do

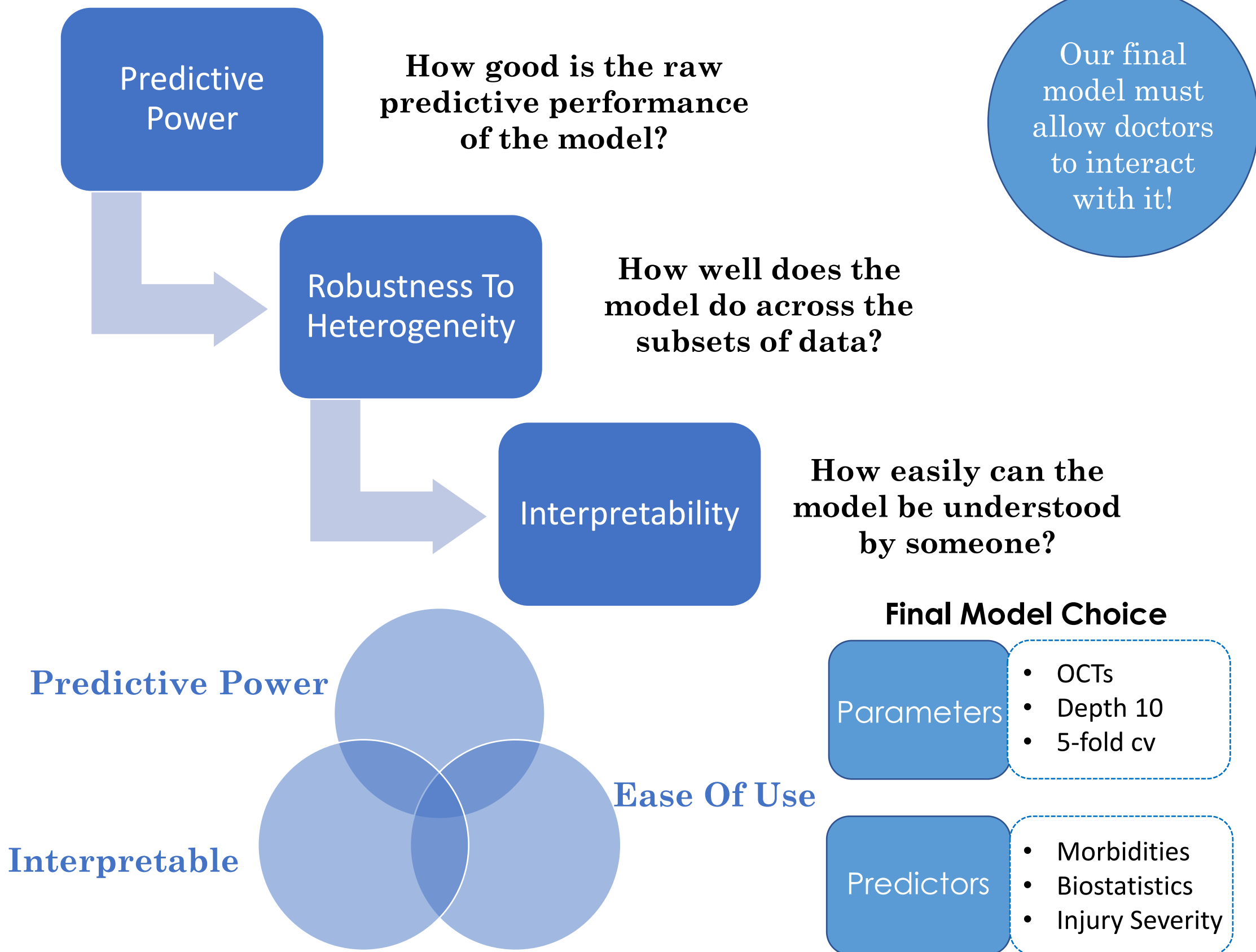
Objectives To Acheive



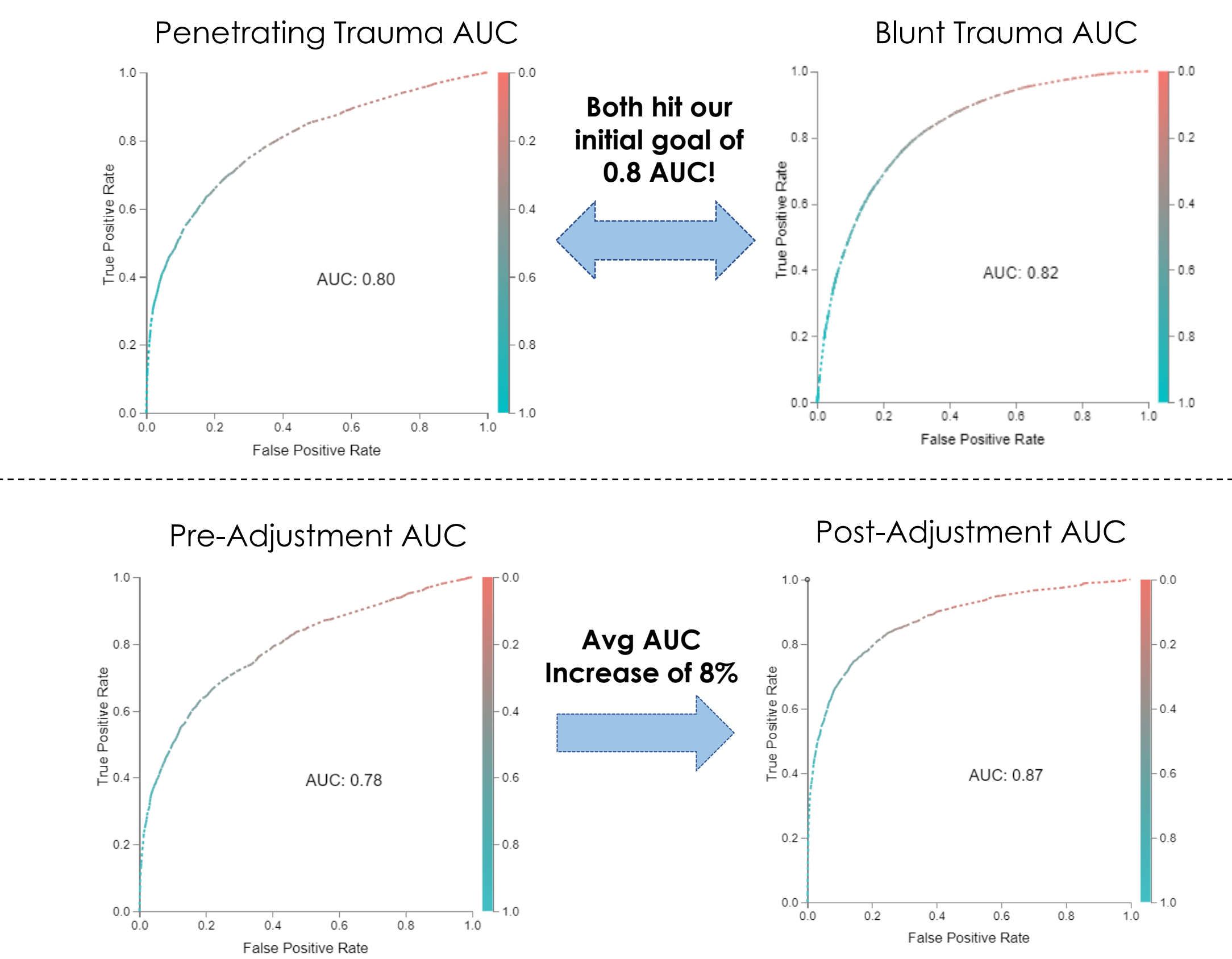
Exploratory Data Analysis



Methods & Considerations



Final Model Results

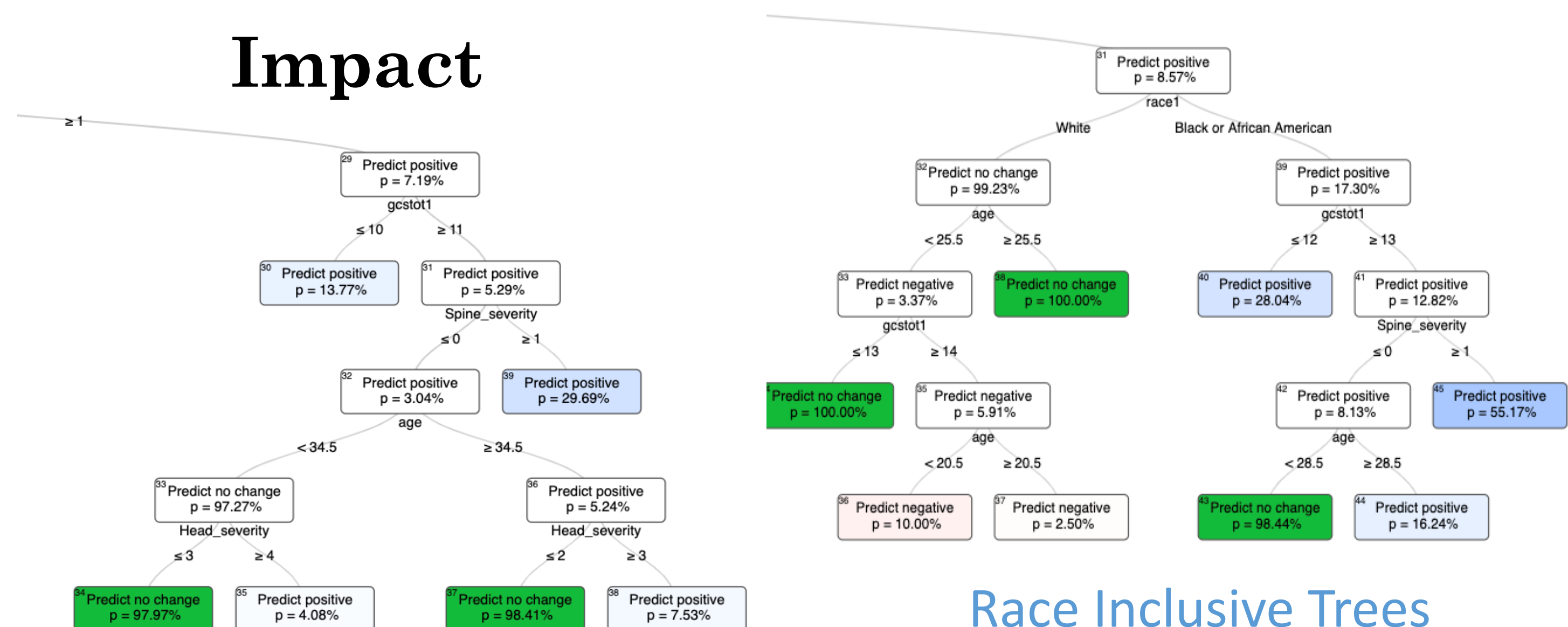


Impact

63K
Penetrating Trauma patients correctly diagnosed with their original outcome of home or post acute care

656K
Blunt Trauma patients correctly diagnosed with their original outcome of home or post acute care

4.5%
Percentage of patients whose outcome could have been changed in an effort to alleviate bias



Race Exclusive Trees

Race Inclusive Trees