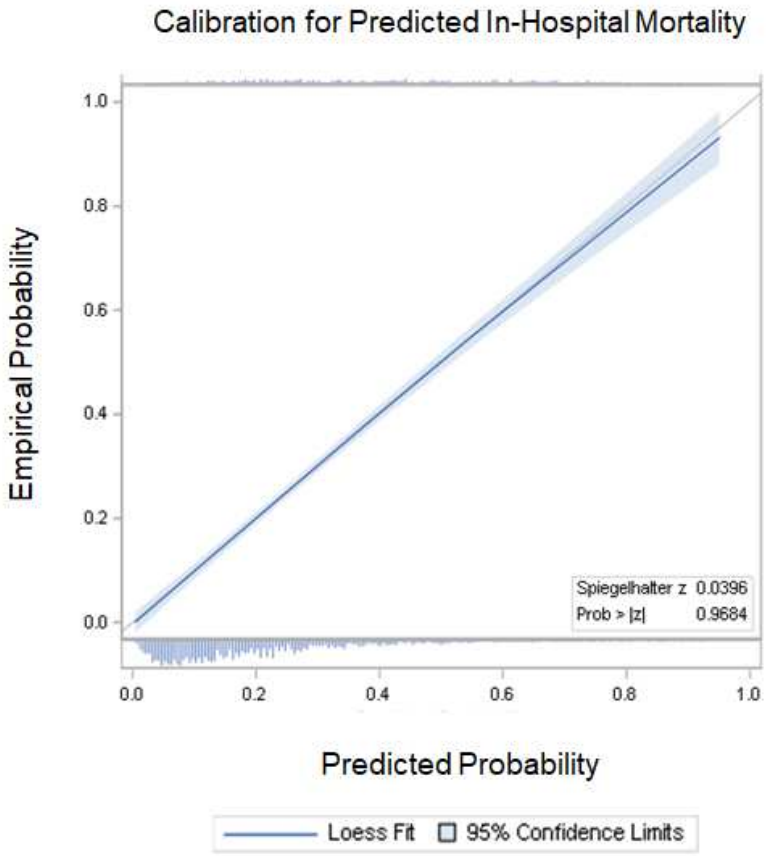
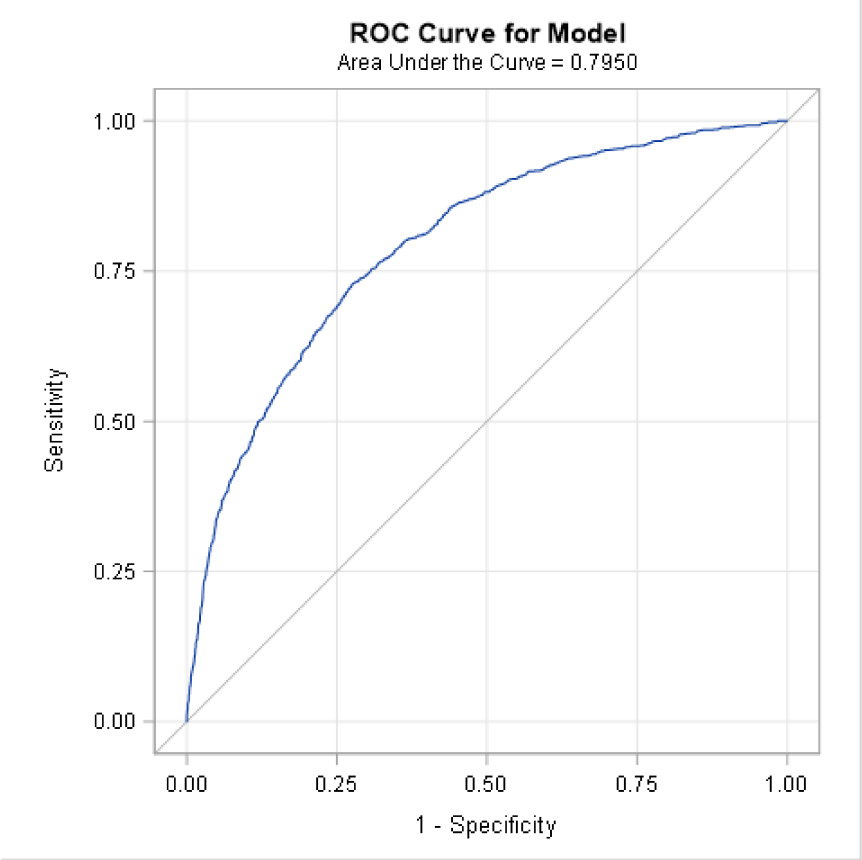
Supplemental Material

eFigure 1- Calibration Plot for Prediction Model



eFigure 2- Receiver Operating Curve for Final Multivariable Logistic Regression Model



The result from the Hosmer and Lemeshow goodness-of-fit test (H-L GOF) when number of partitions was 20 groups yielded p=0.68 in the training set and 0.39 in the internal validation set. Though the results from the H-L GOF yielded p=0.12 for the original model evaluated in the external validation set, the results from the H-L GOF yielded p=0.63 for the risk prediction sum score on the external validation set, indicating there was insufficient evidence to demonstrate a poor fit of the model utilizing the risk prediction tool.