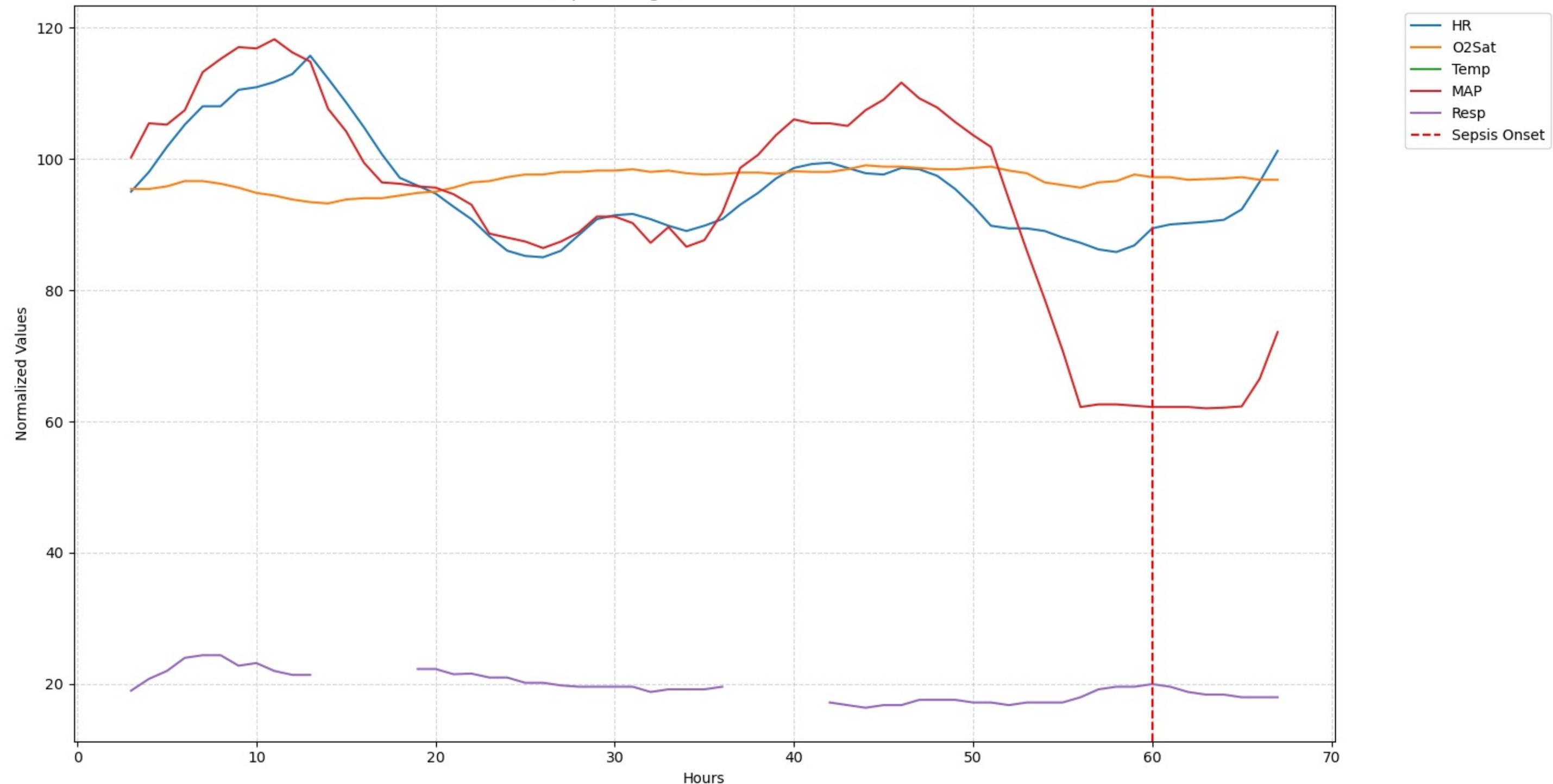
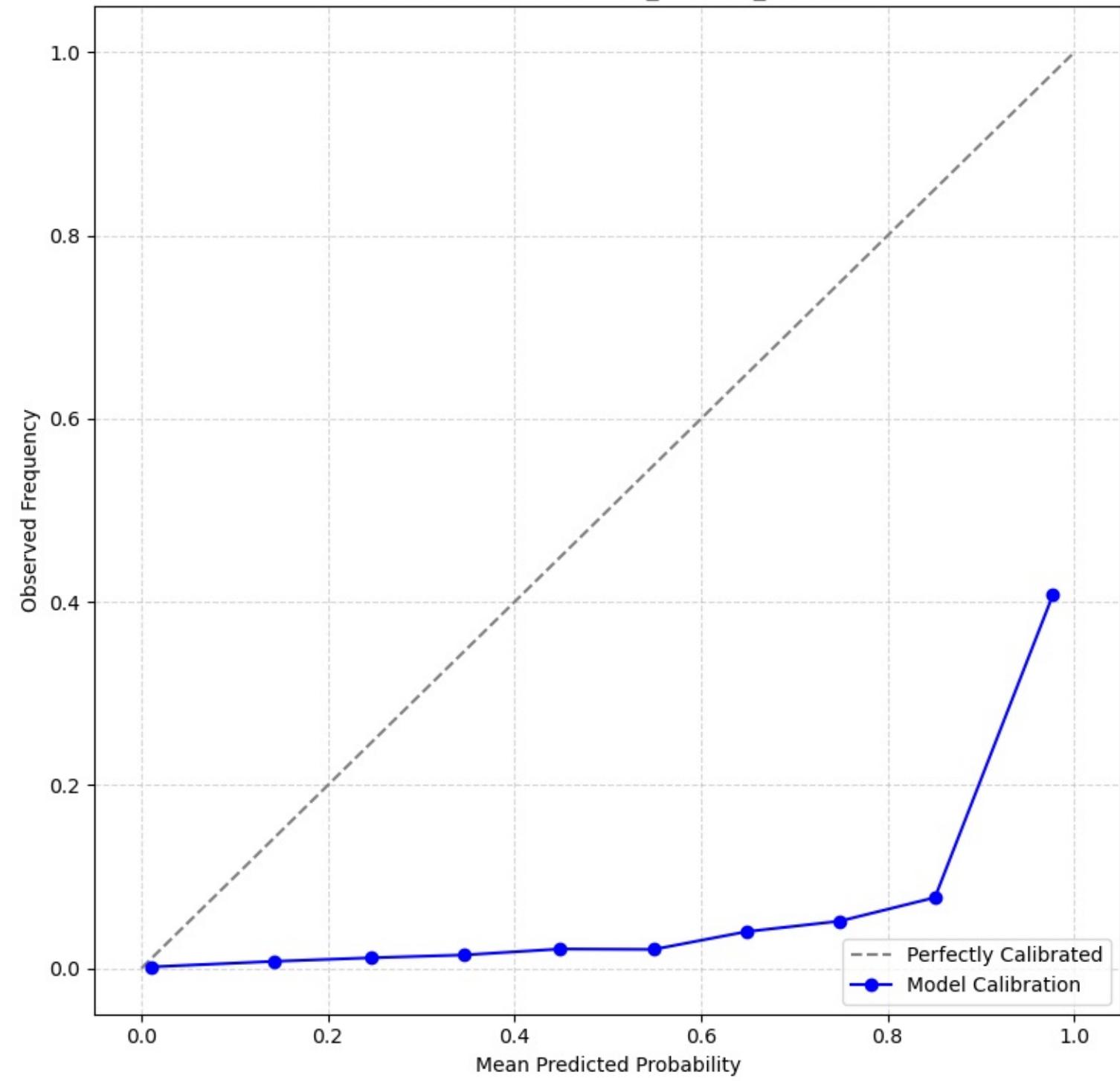


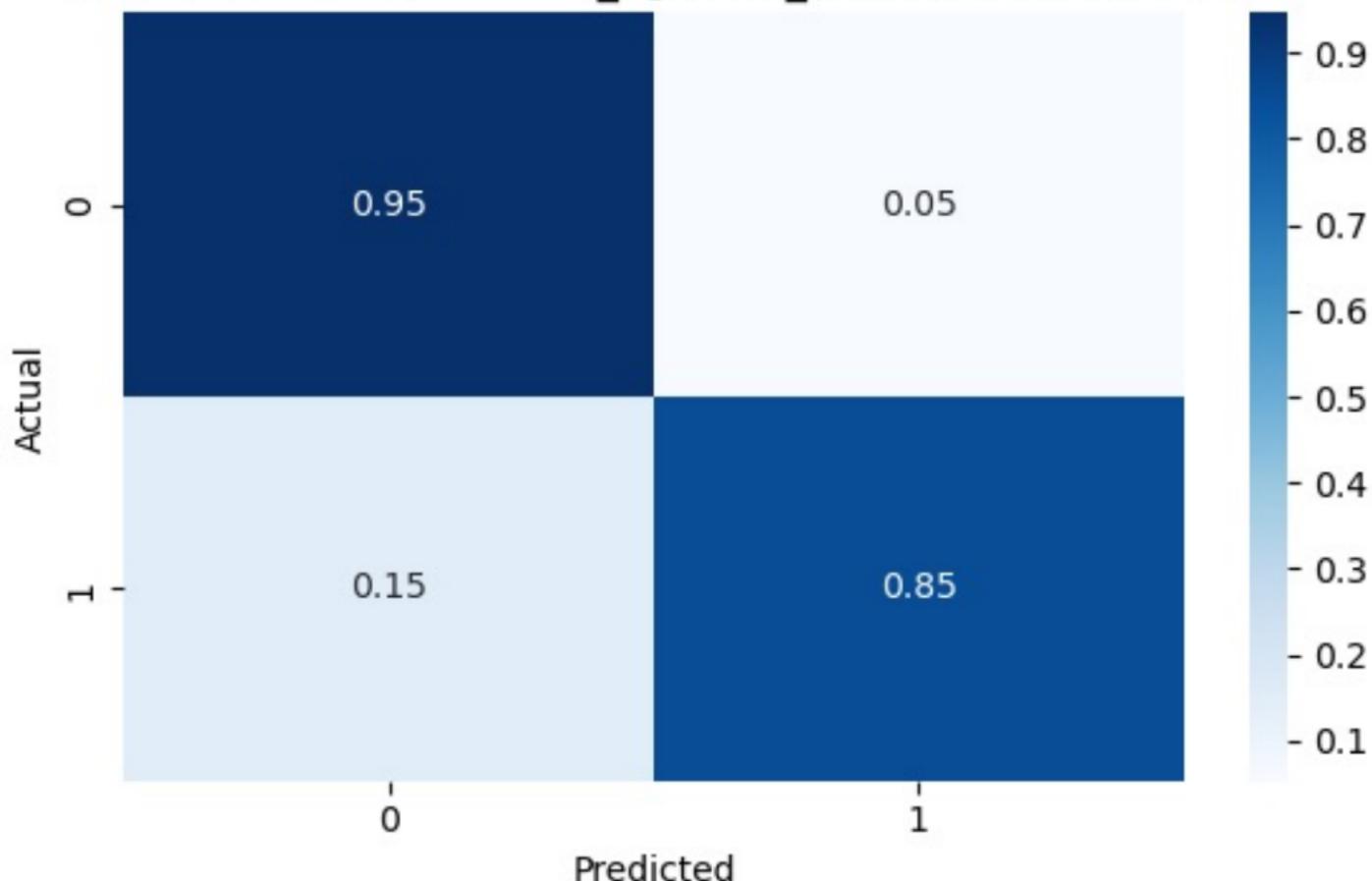
Temporal Progression - Patient 117871



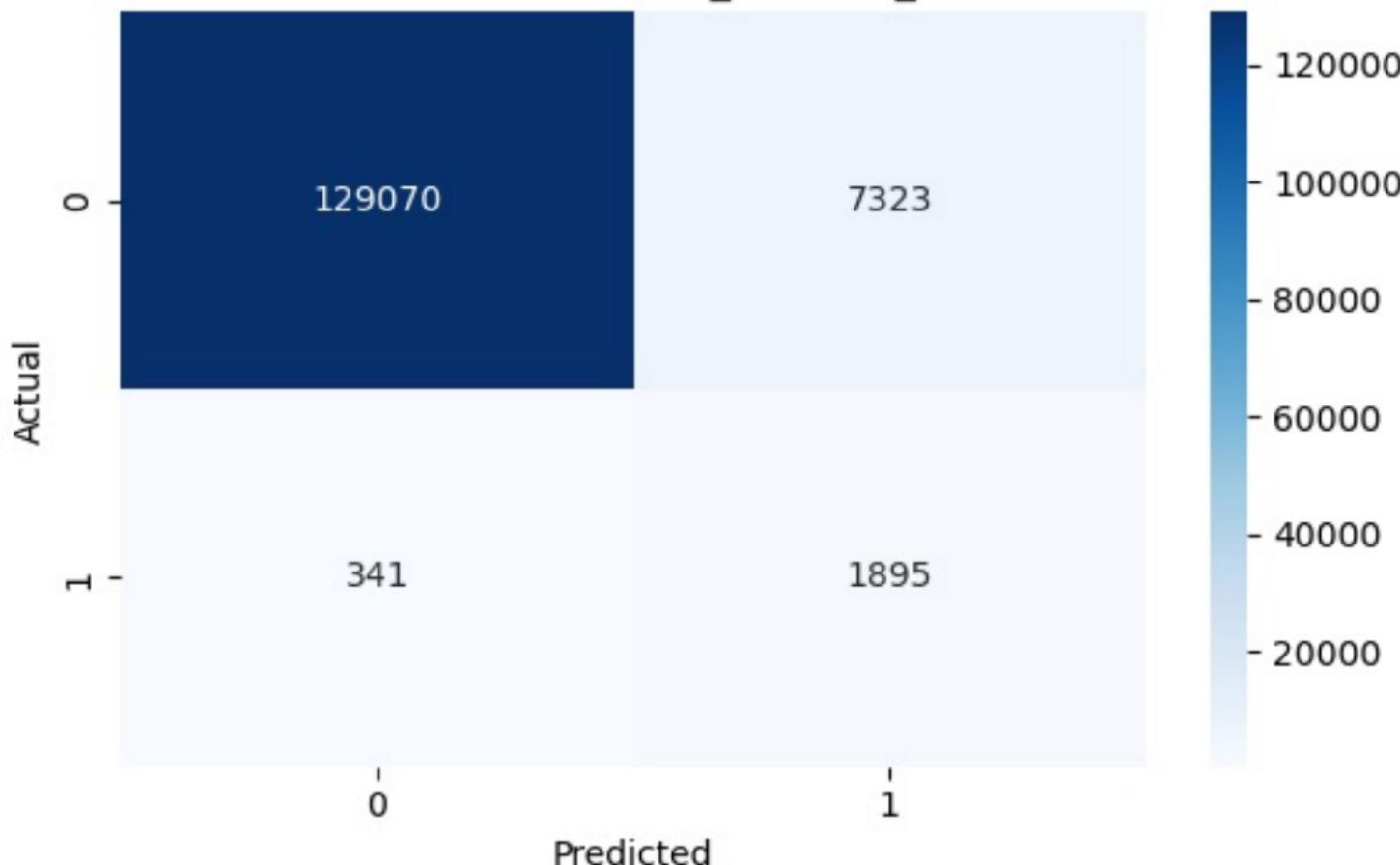
Calibration Plot for Final_xgboost_(tuned)



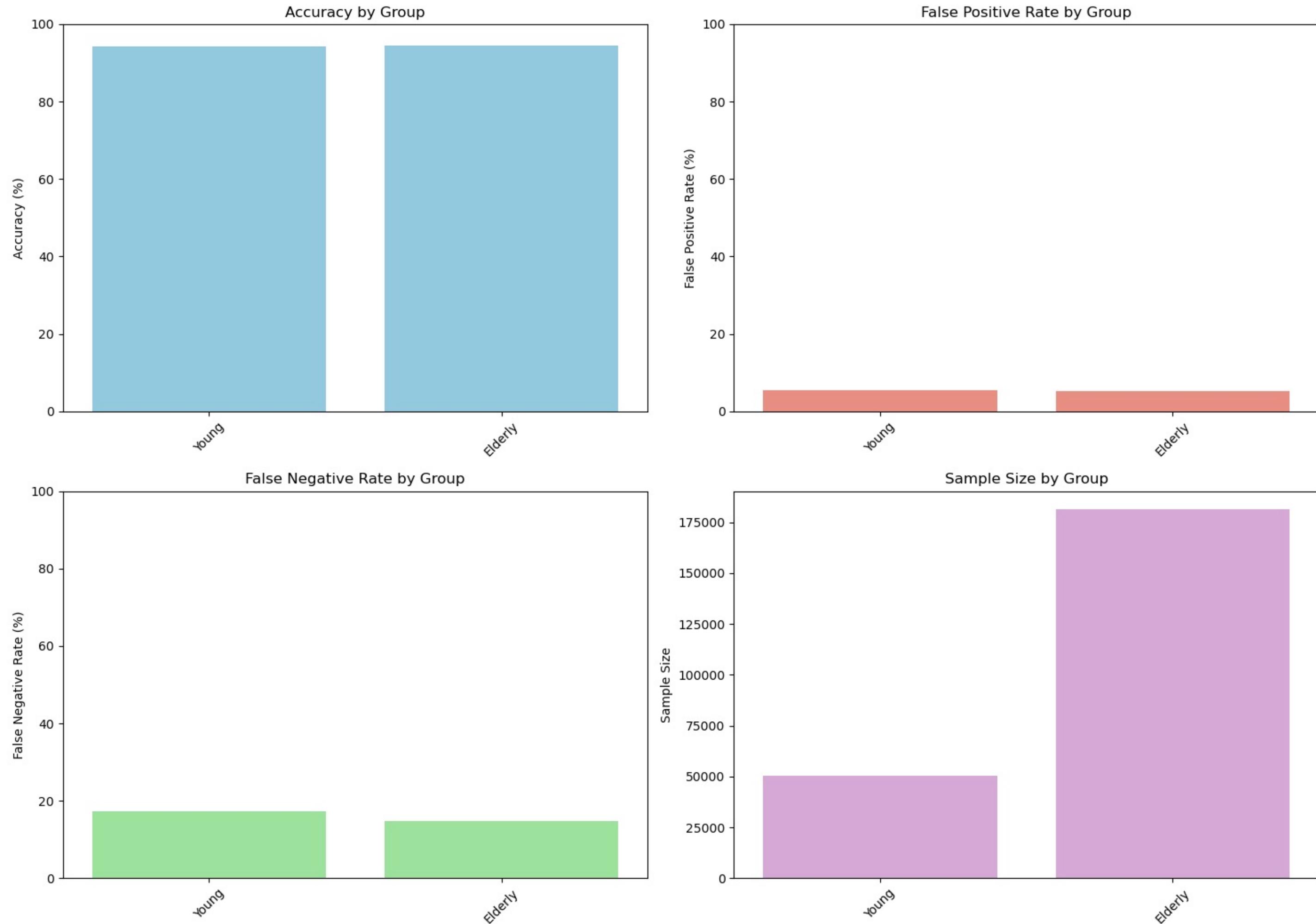
Confusion Matrix for Final_xgboost_(tuned) (Normalized)



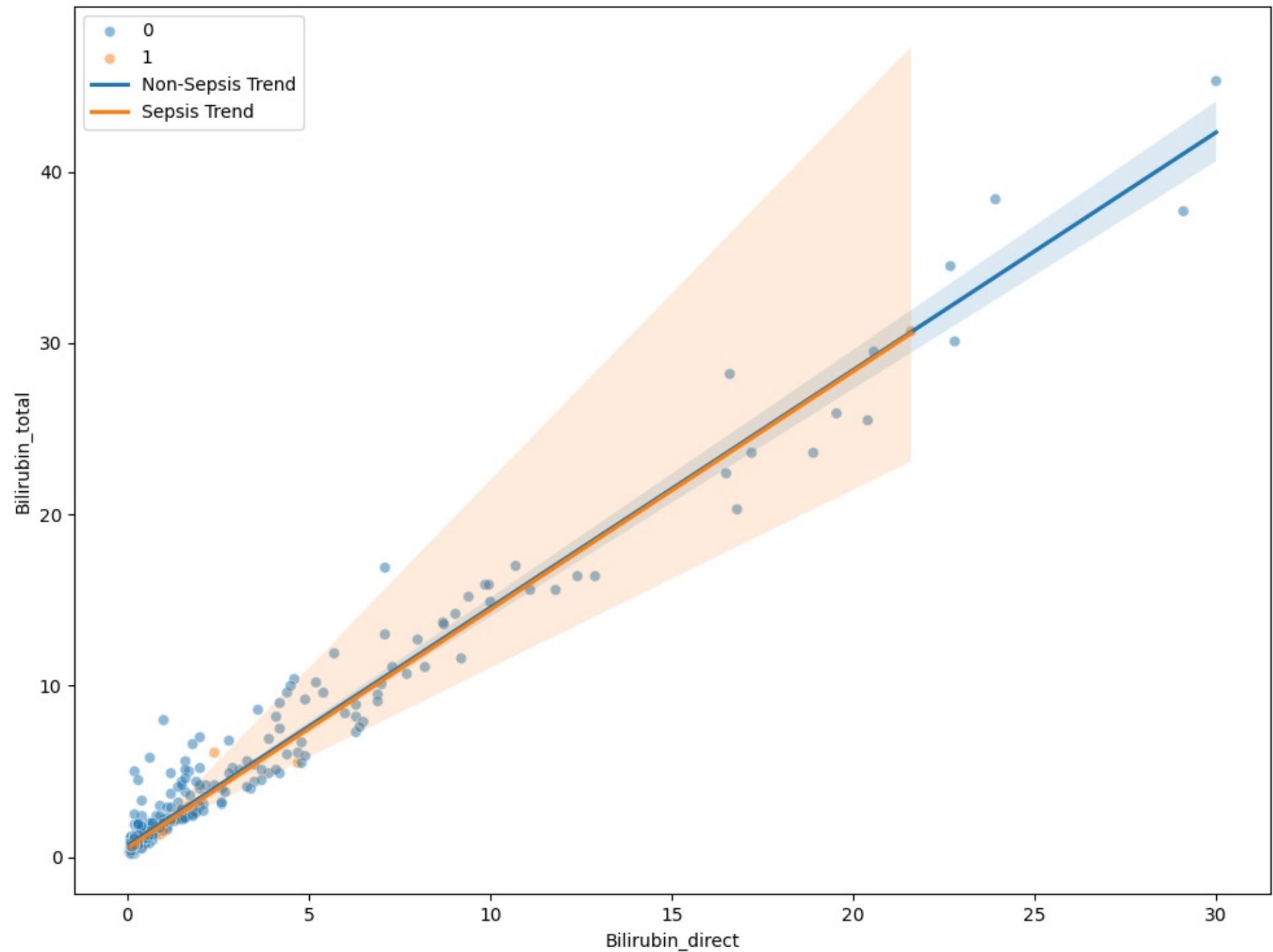
Confusion Matrix for Final_xgboost_(tuned)



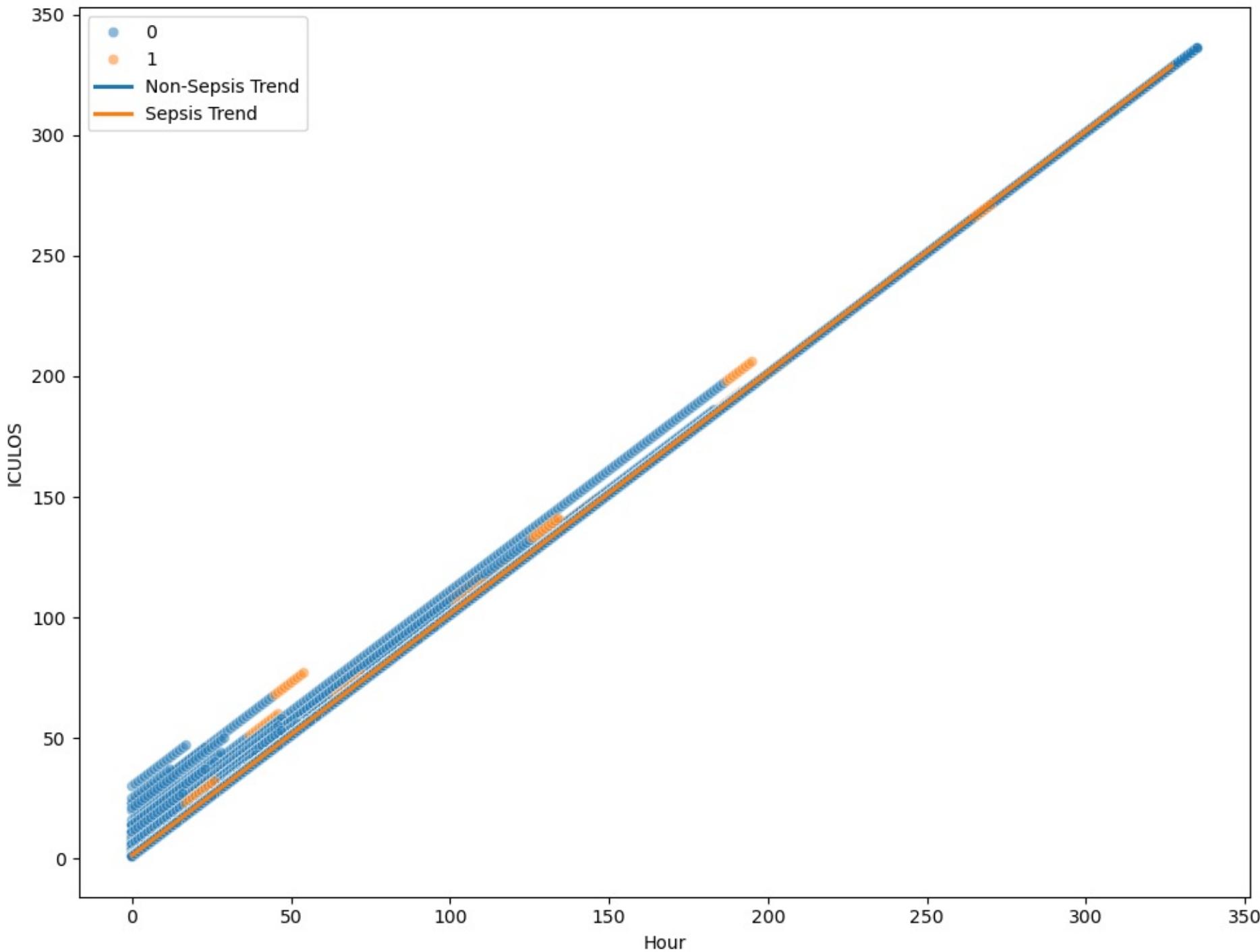
Error Analysis by Patient Groups for Final_xgboost_(tuned)



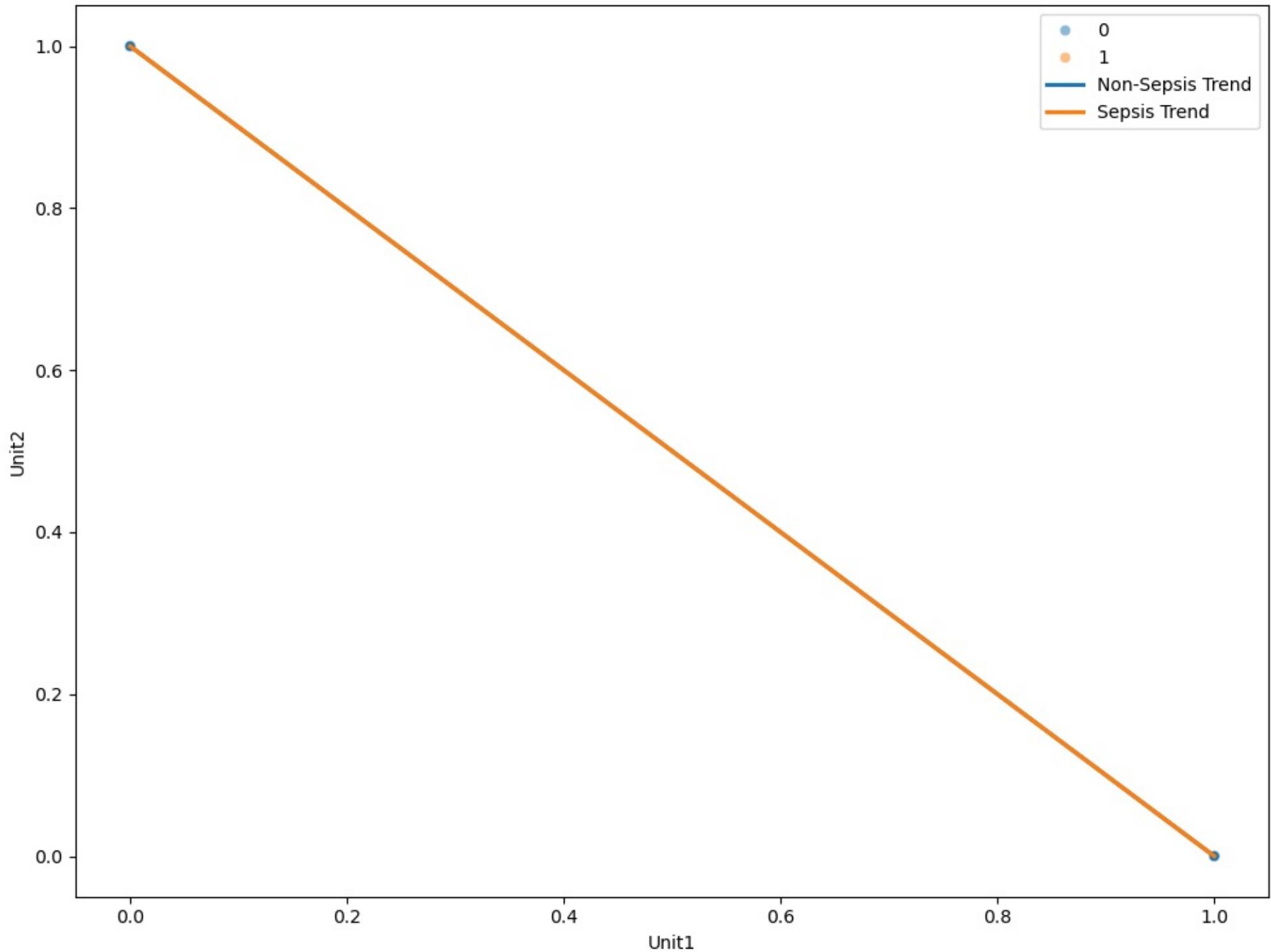
Feature Interaction: Bilirubin_direct vs Bilirubin_total
Correlation: 0.98



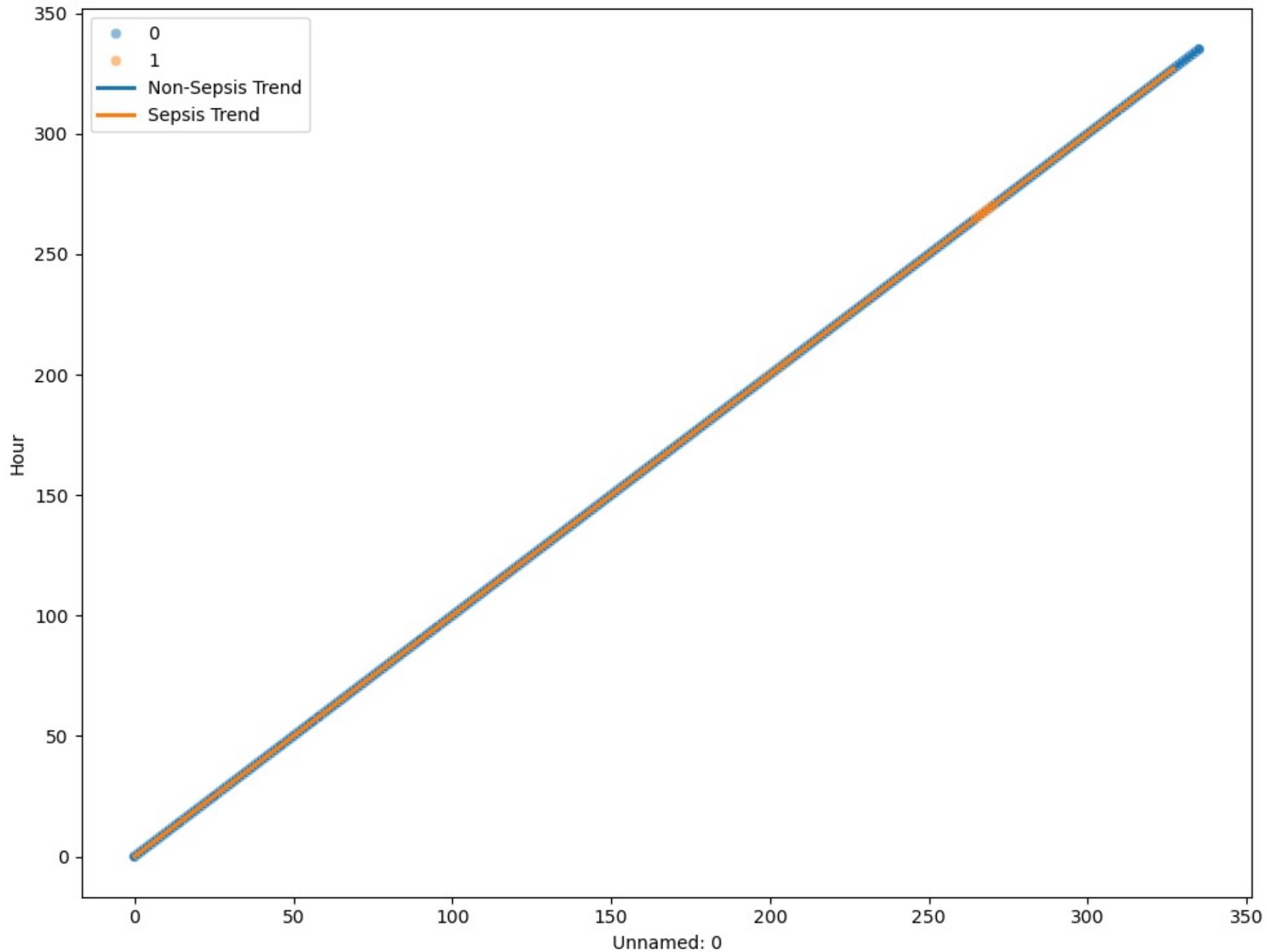
Feature Interaction: Hour vs ICULOS
Correlation: 1.00



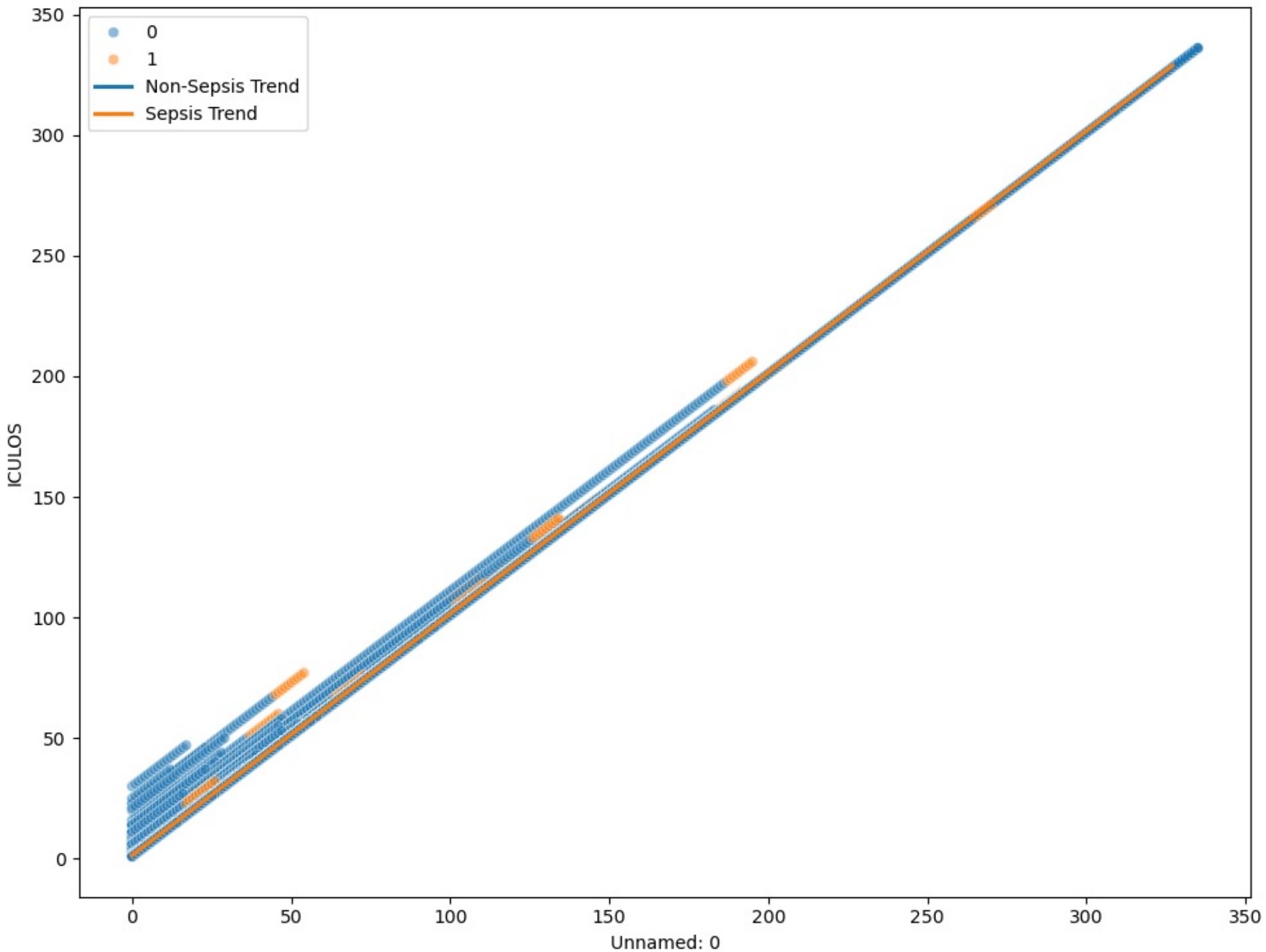
Feature Interaction: Unit1 vs Unit2
Correlation: 1.00



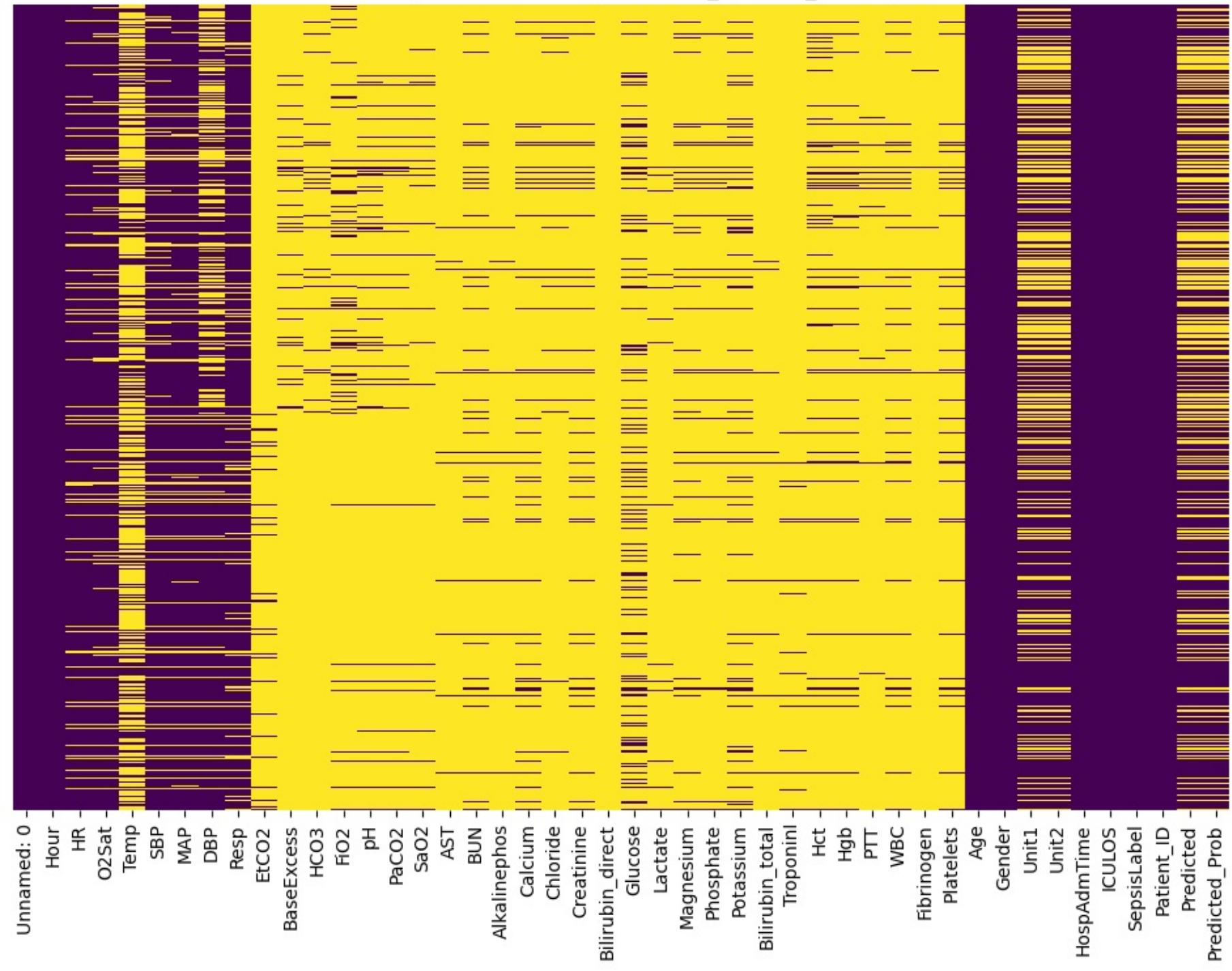
Feature Interaction: Unnamed: 0 vs Hour
Correlation: 1.00



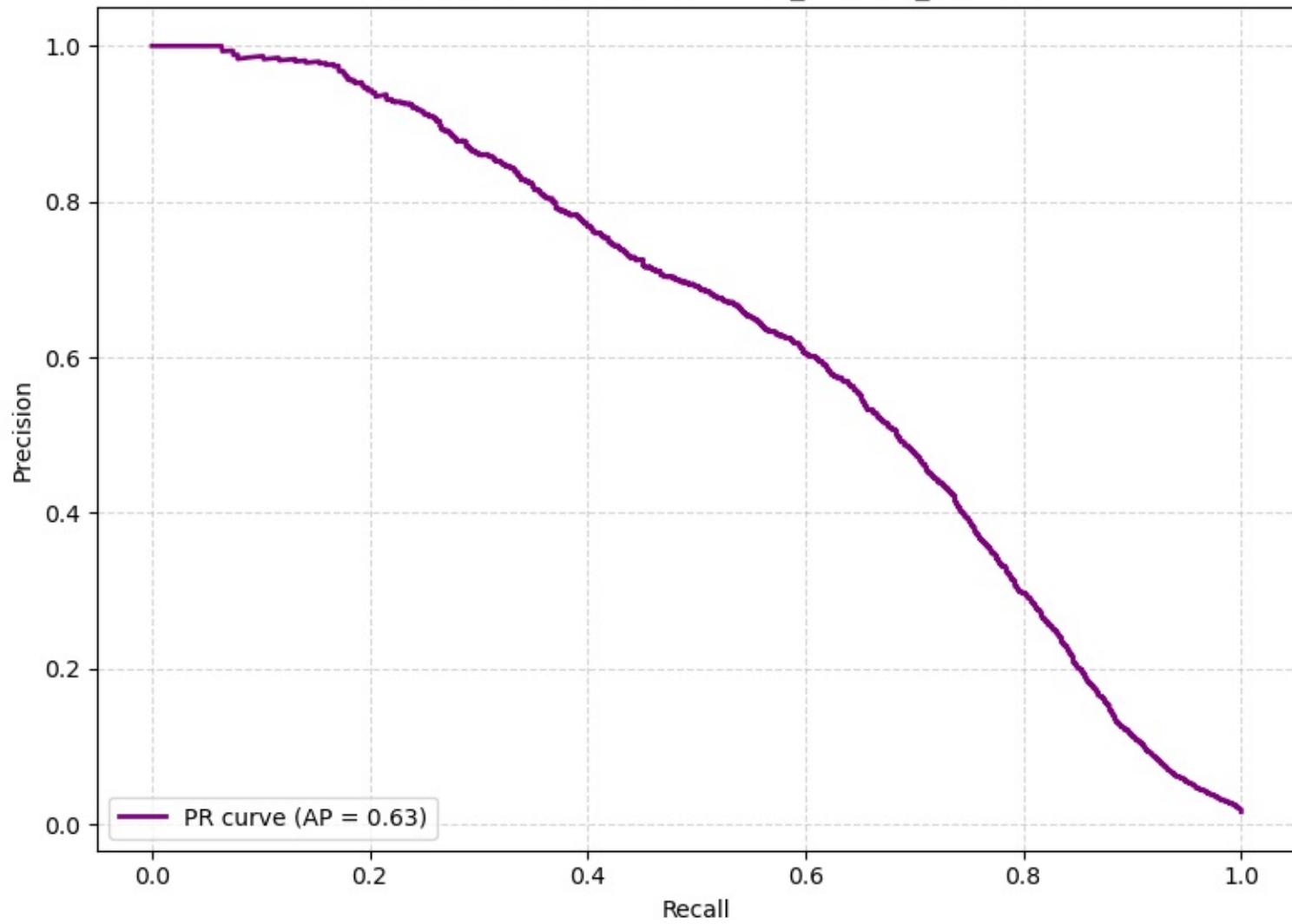
Feature Interaction: Unnamed: 0 vs ICULOS
Correlation: 1.00



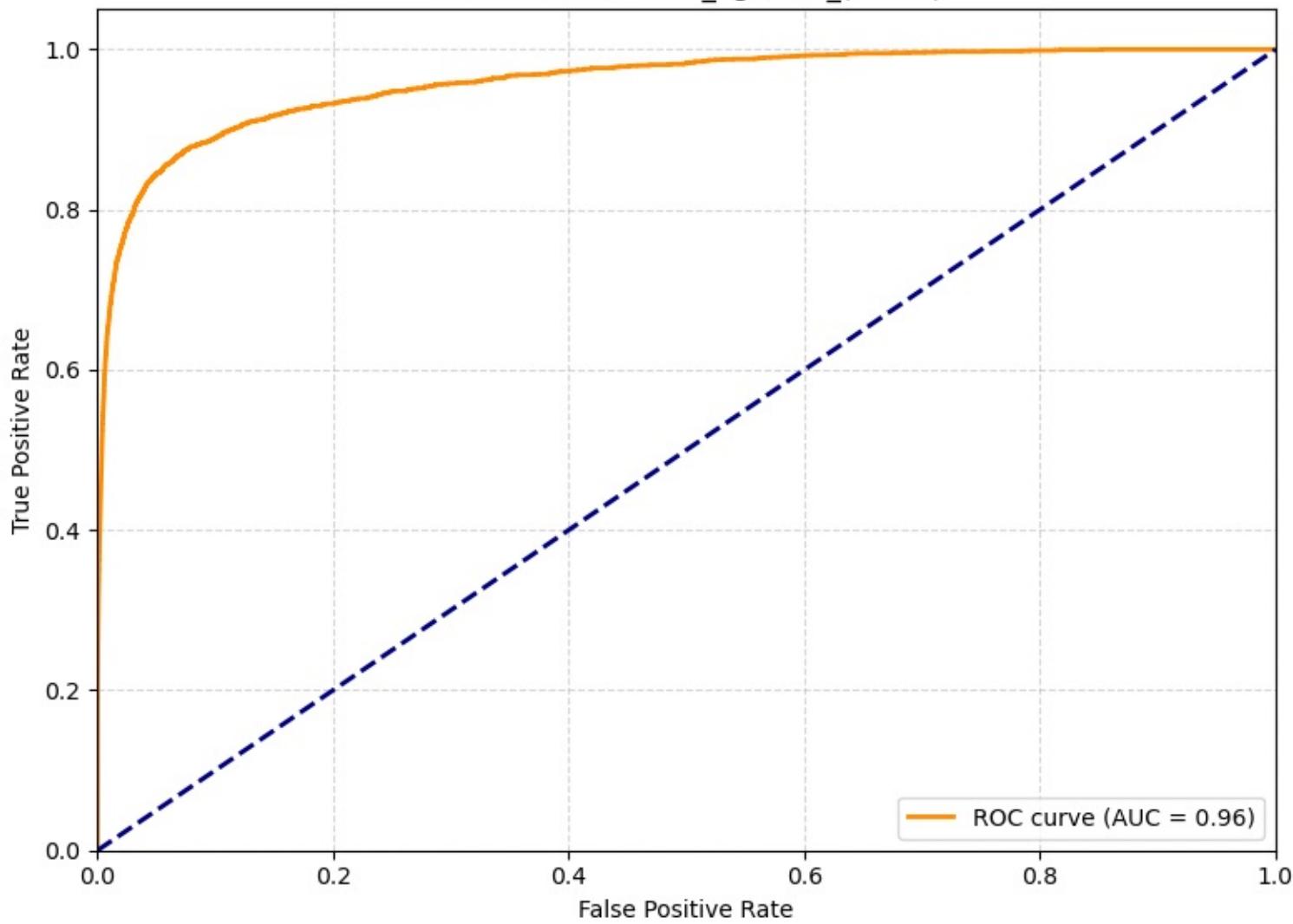
Missing Values Heatmap for Final_xgboost_(tuned)



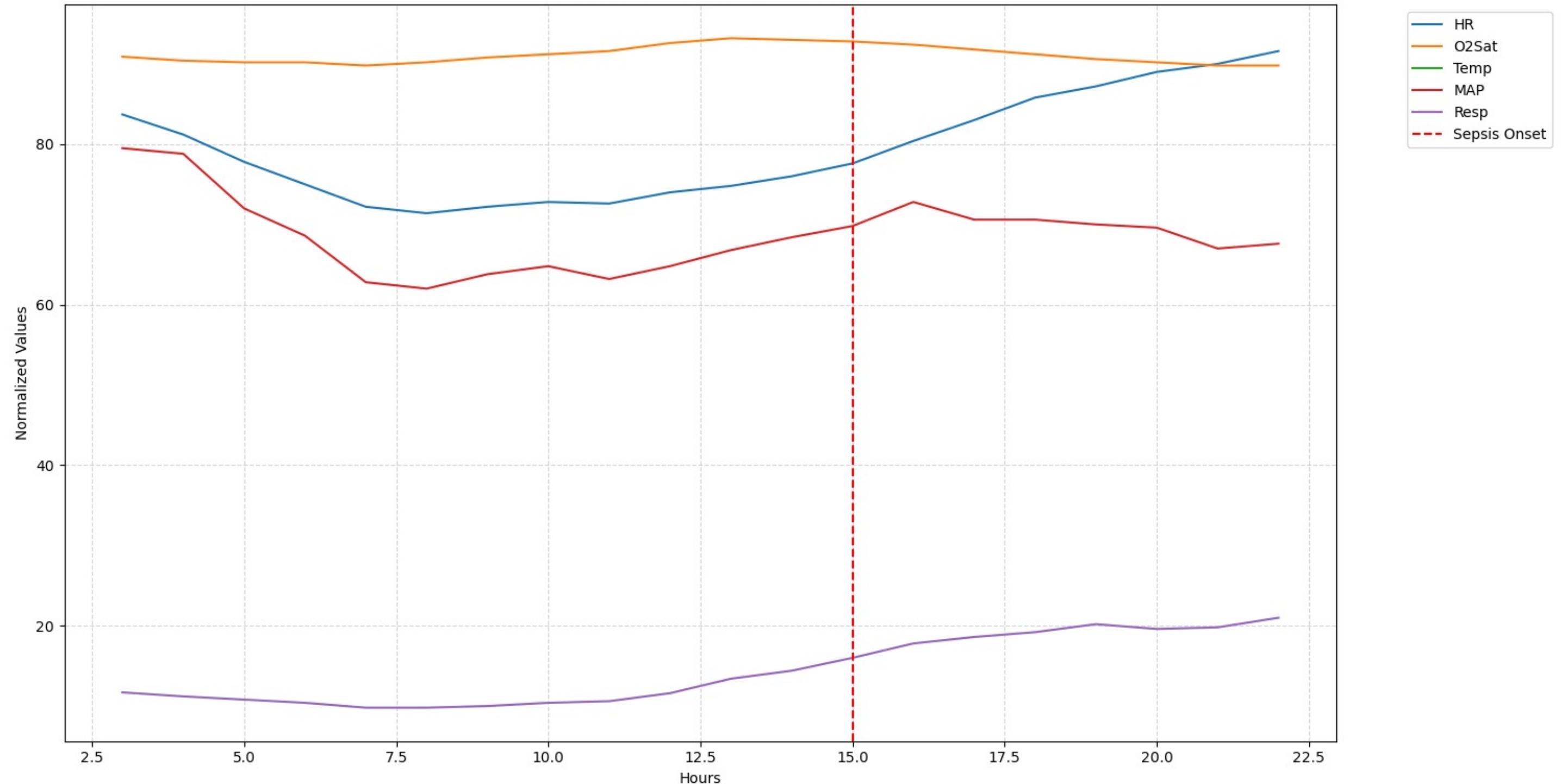
Precision-Recall Curve for Final_xgboost_(tuned)



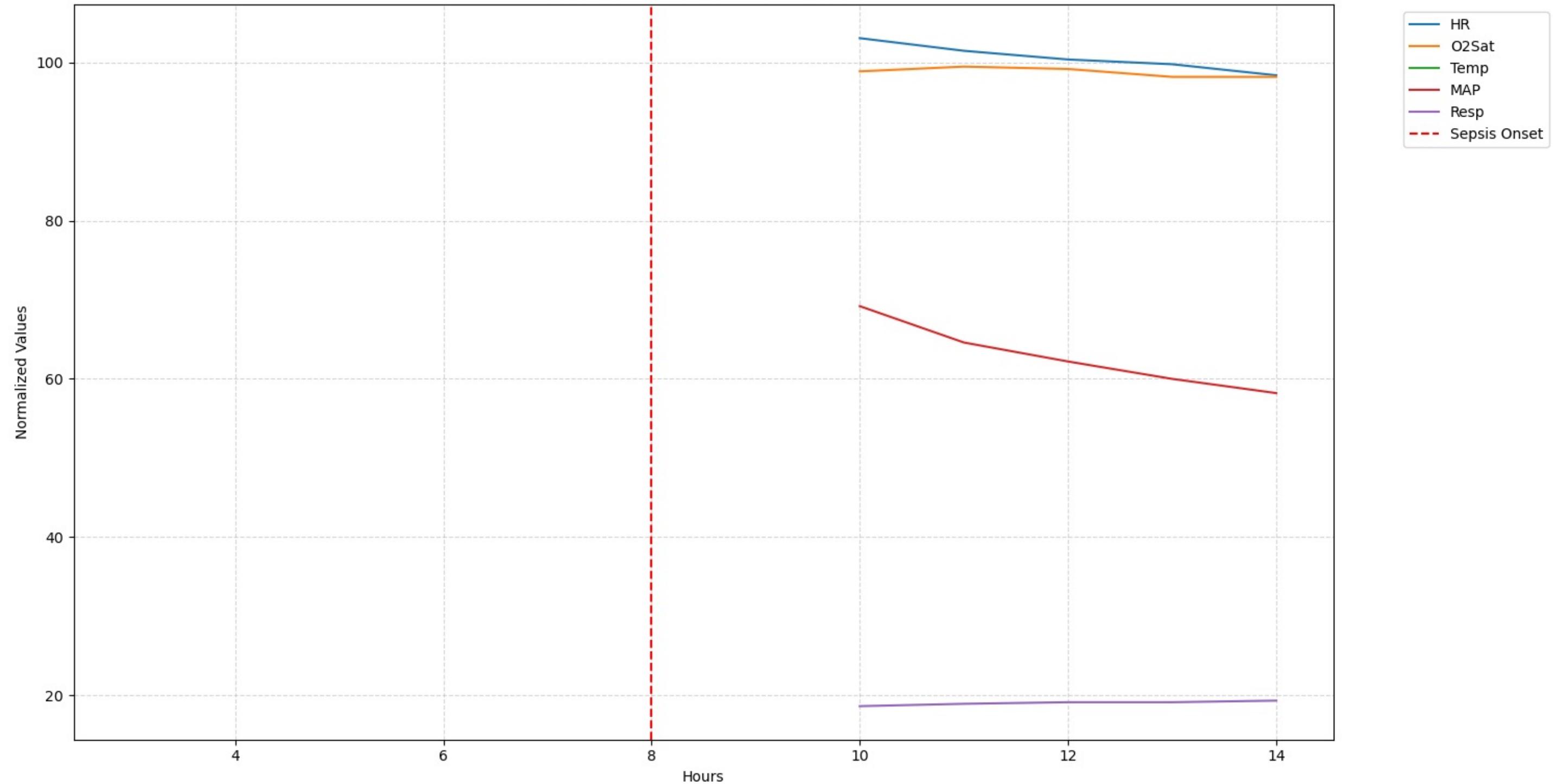
ROC Curve for Final_xgboost_(tuned)



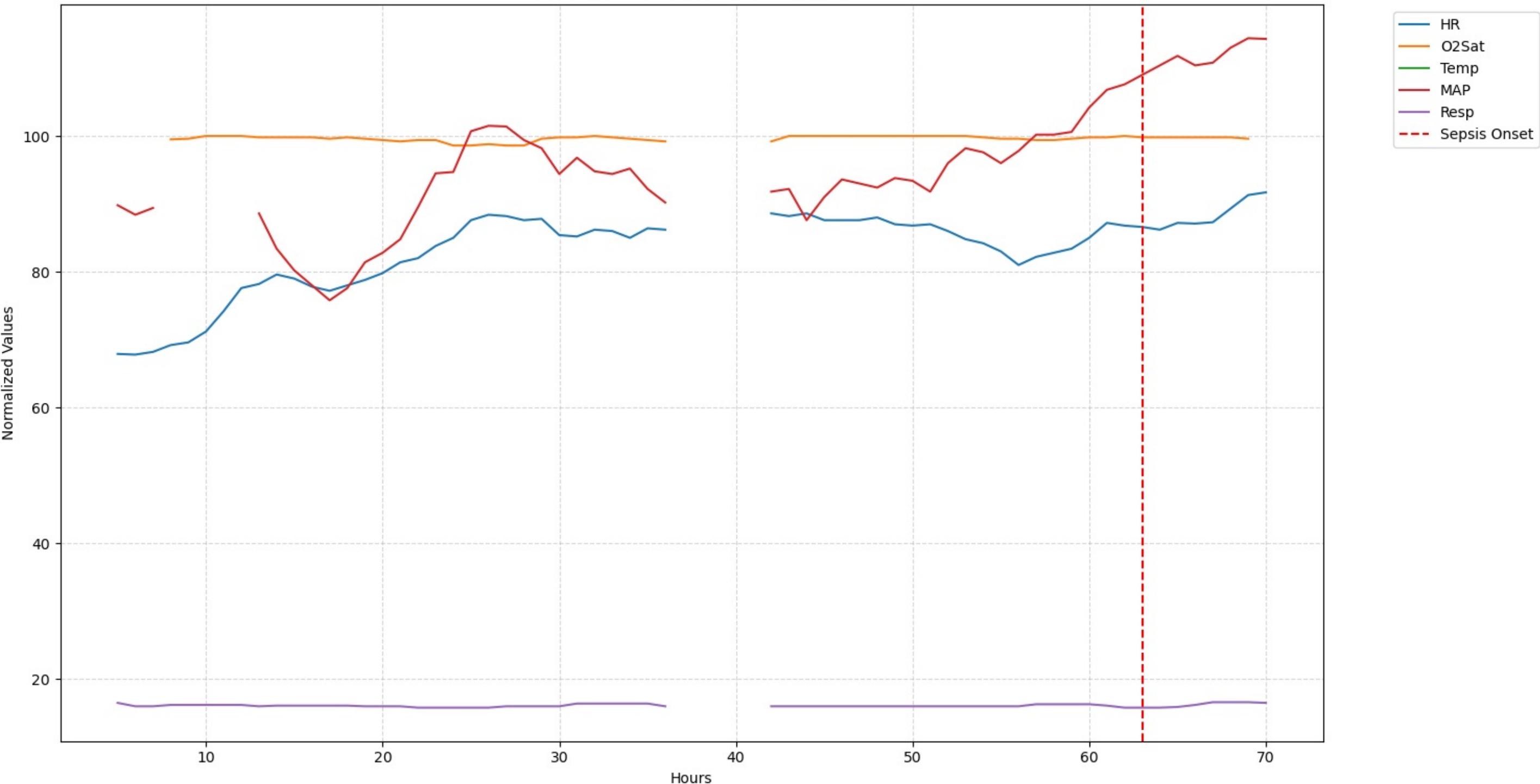
Temporal Progression - Patient 2919



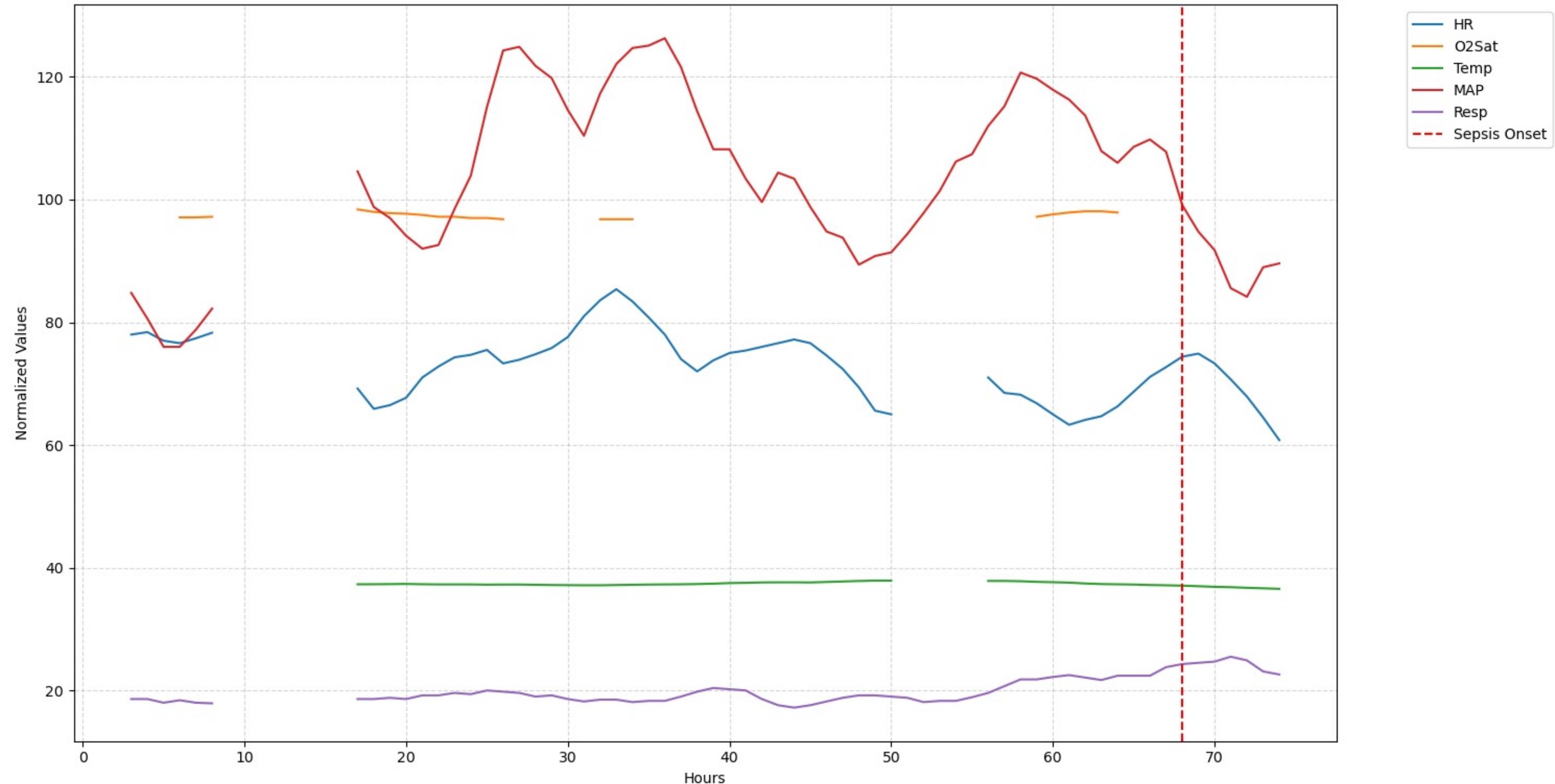
Temporal Progression - Patient 4786



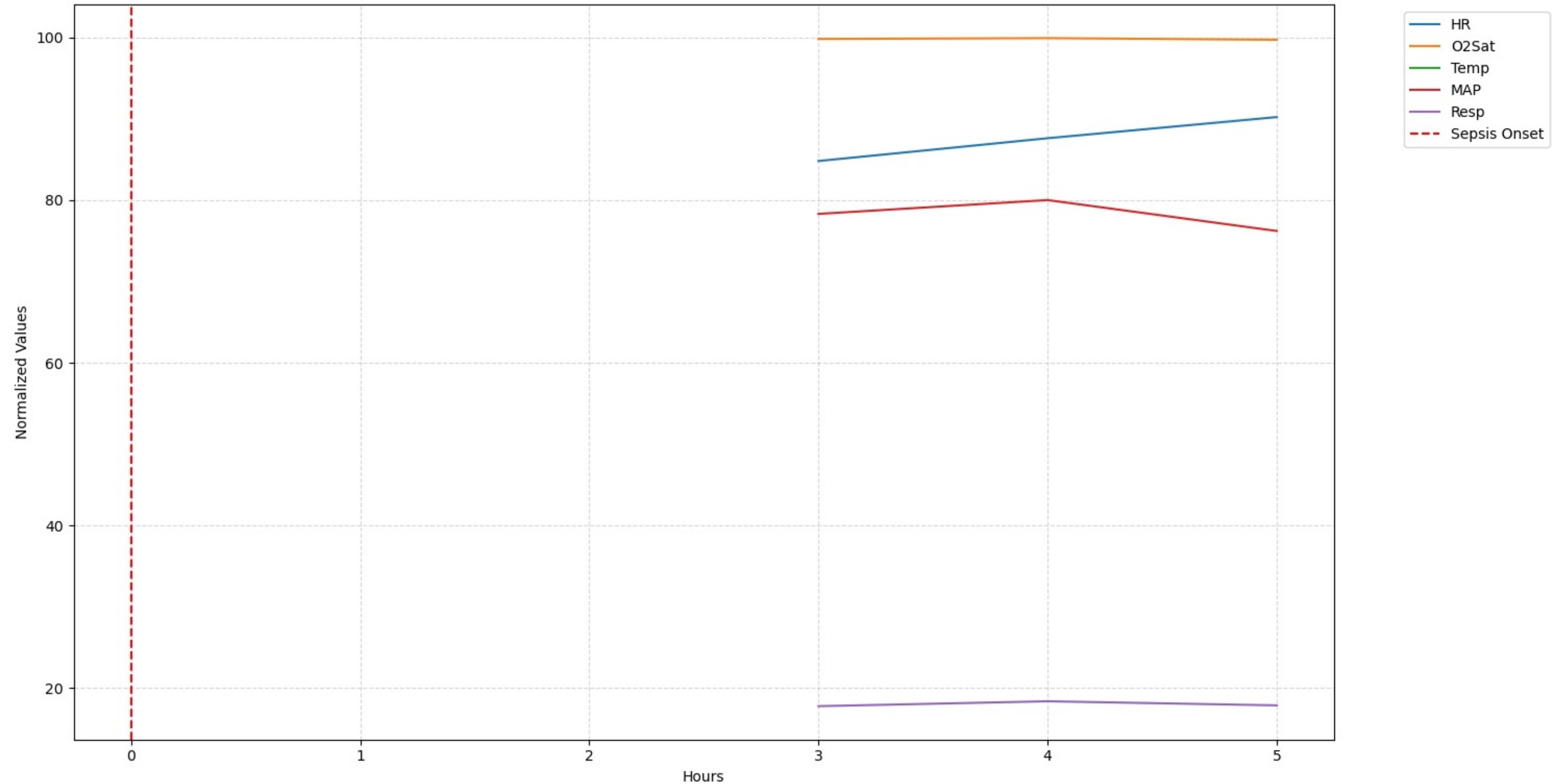
Temporal Progression - Patient 8522



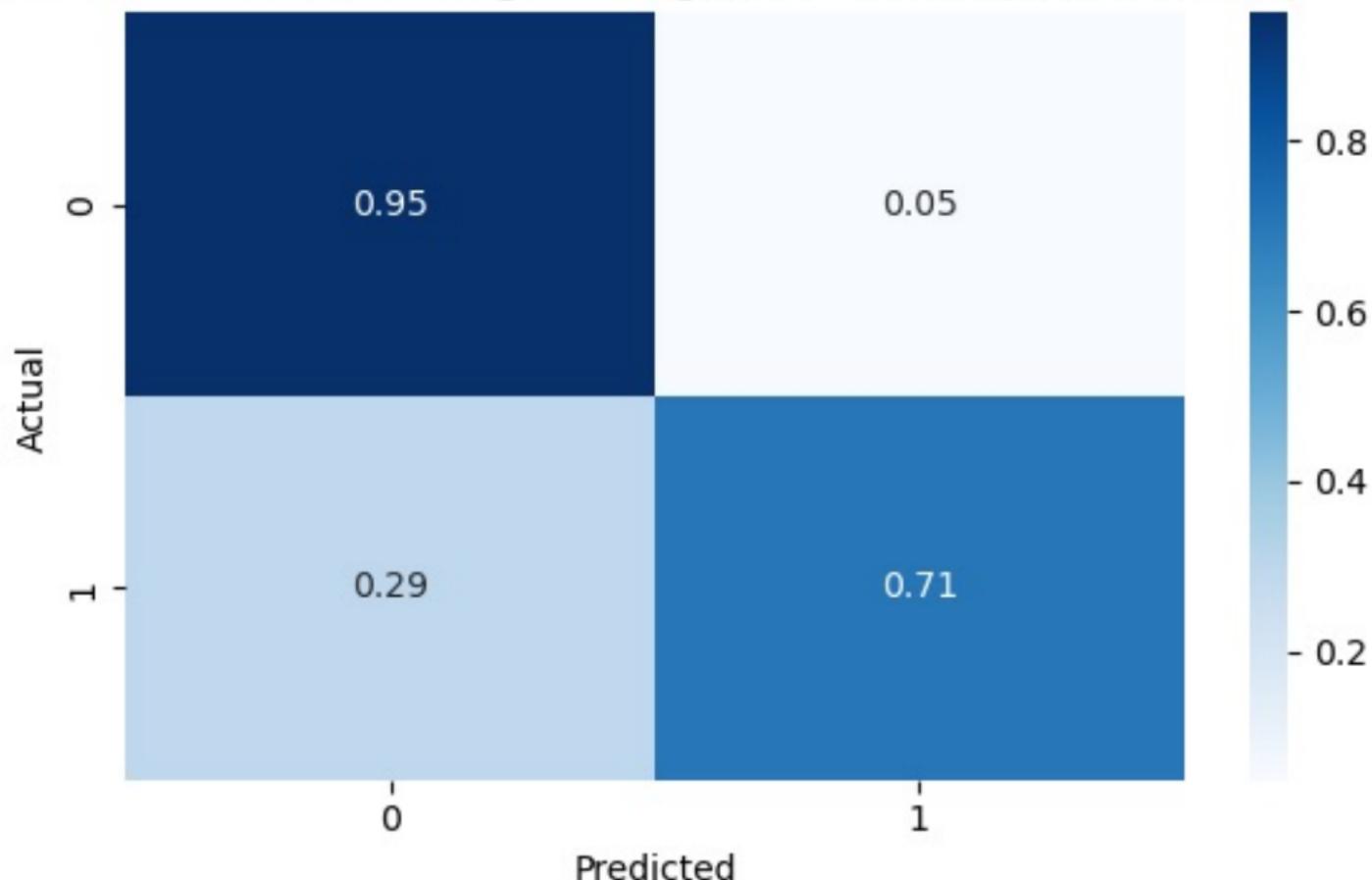
Temporal Progression - Patient 8586



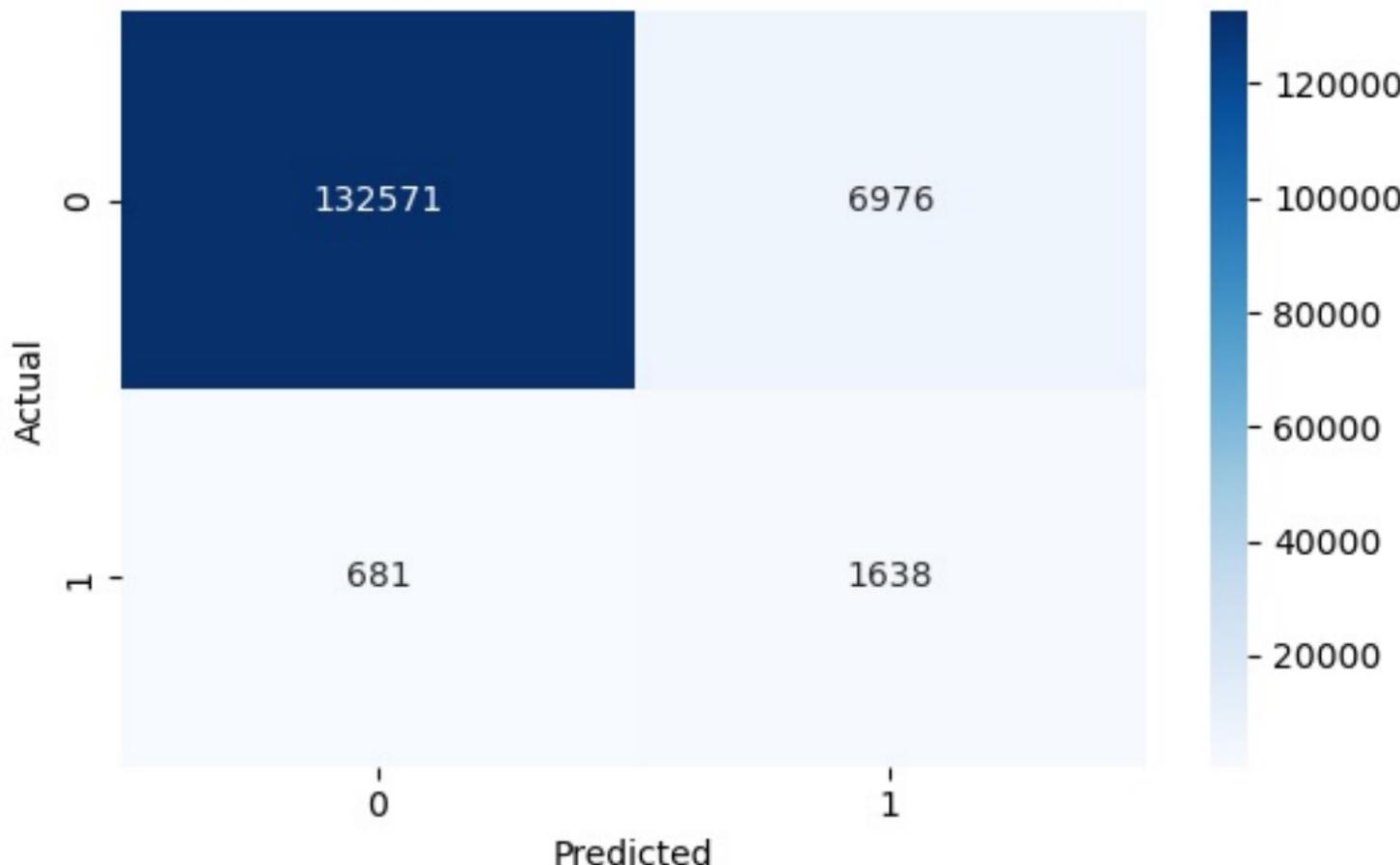
Temporal Progression - Patient 110866



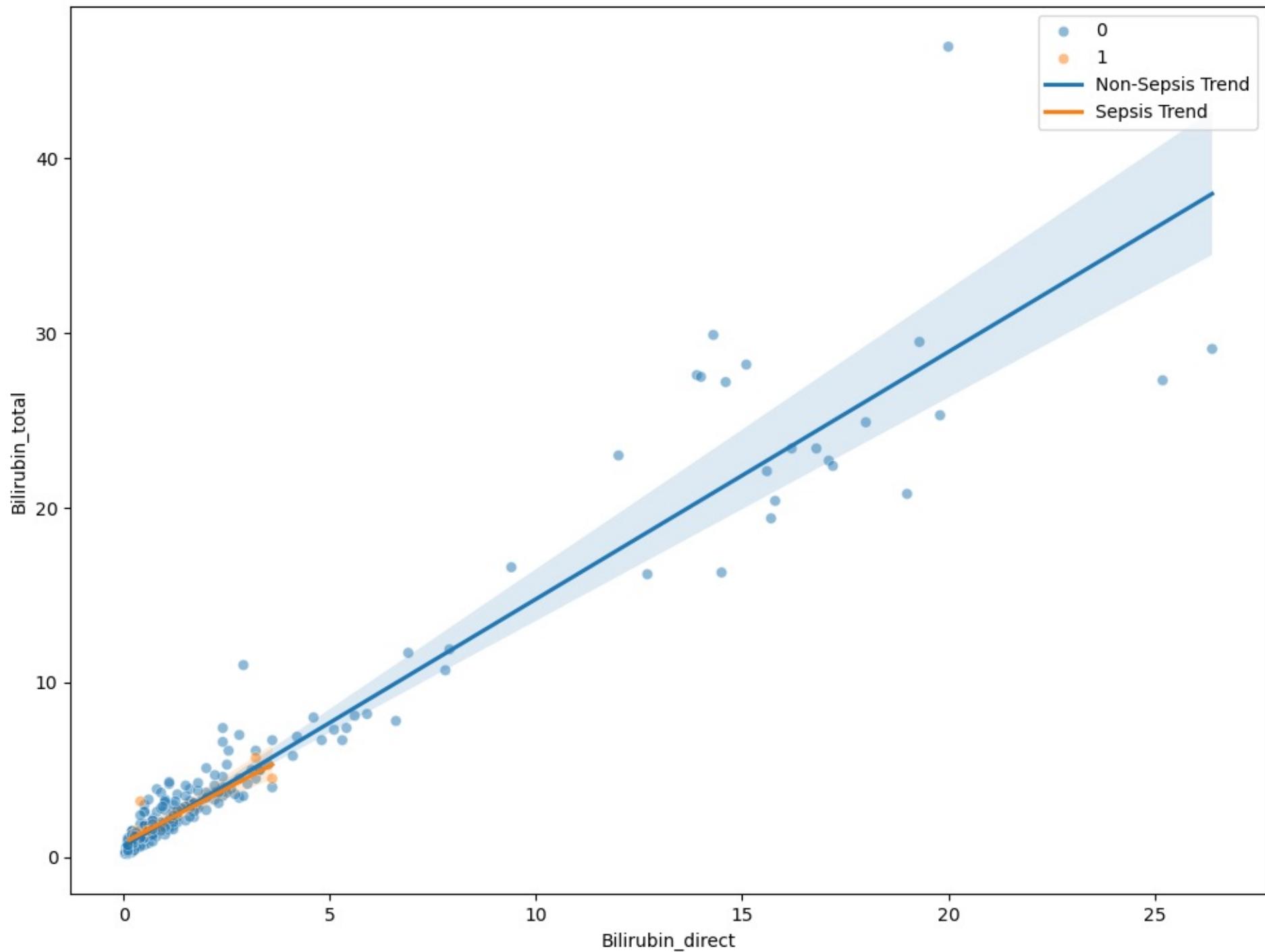
Confusion Matrix for Logistic Regression (Tuned) (Normalized)



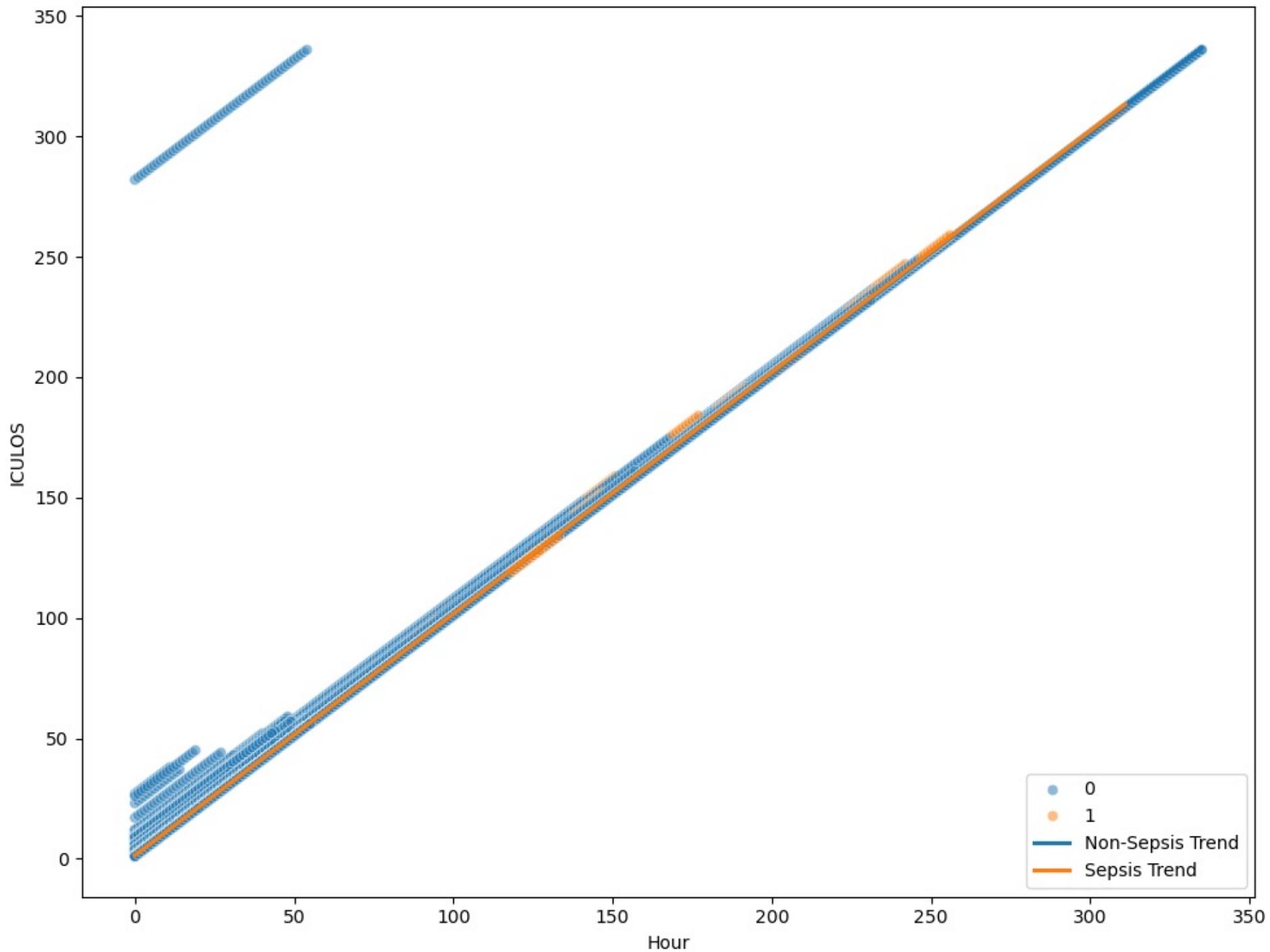
Confusion Matrix for Logistic Regression (Tuned)



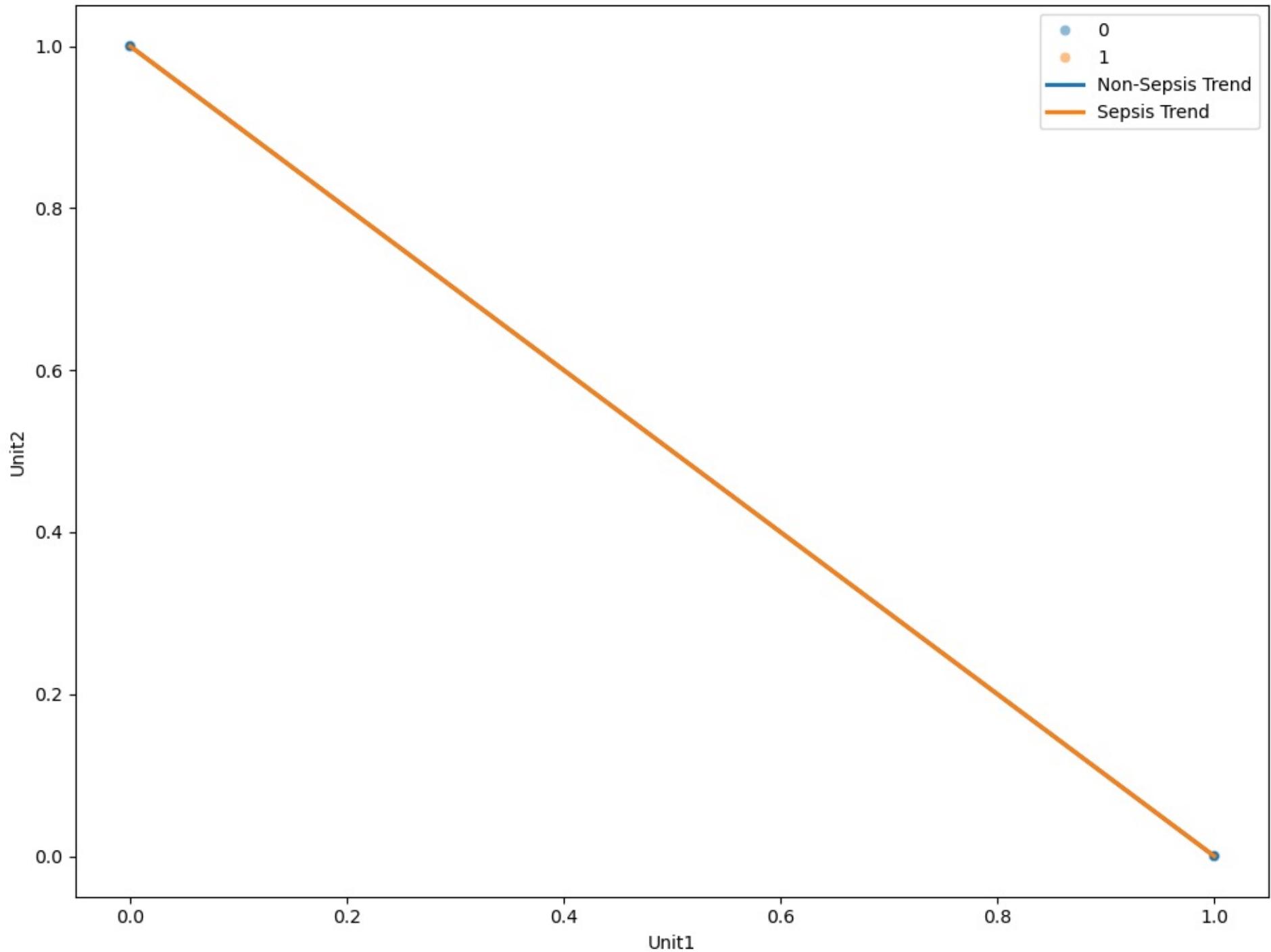
Feature Interaction: Bilirubin_direct vs Bilirubin_total
Correlation: 0.96



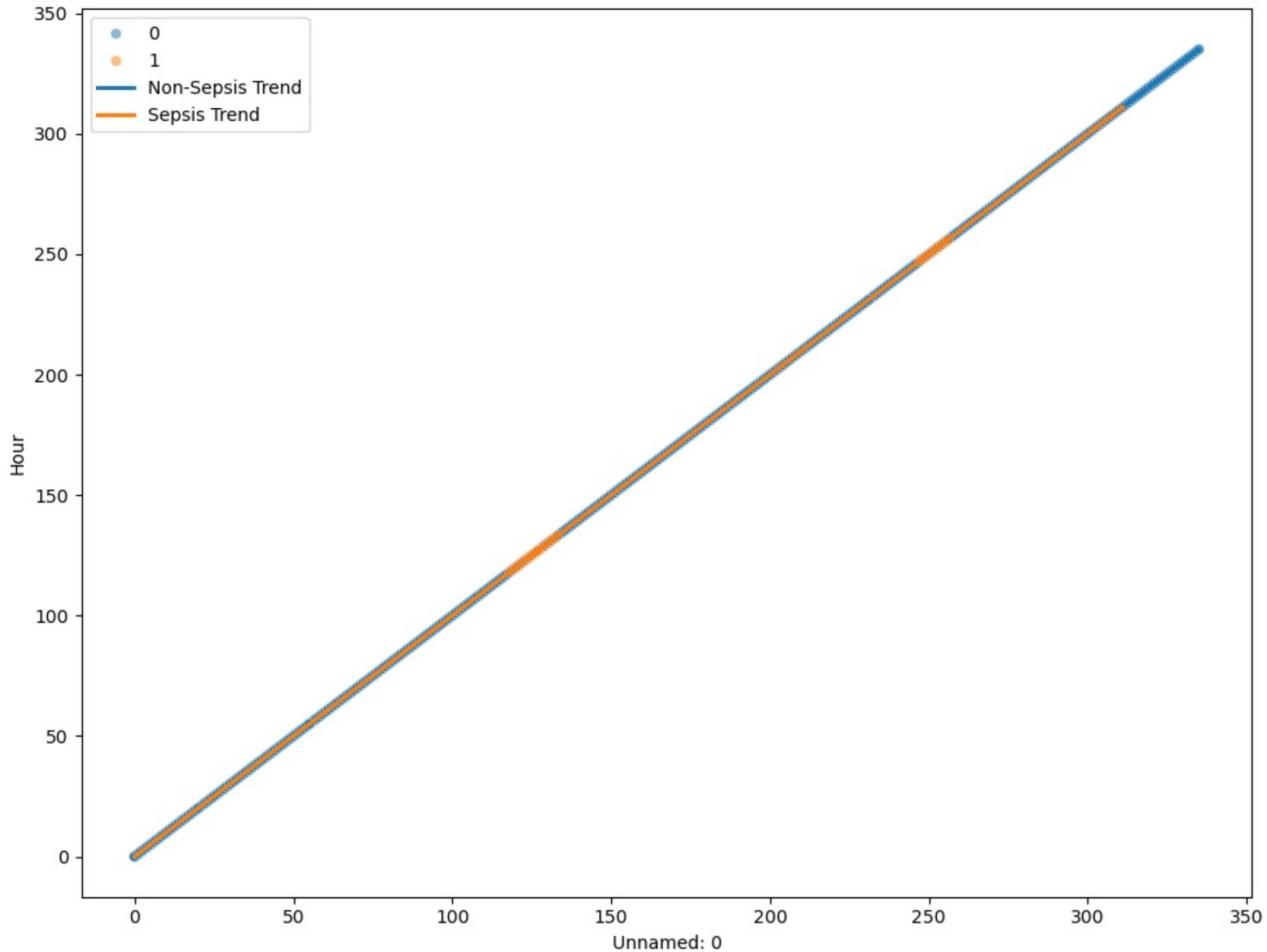
Feature Interaction: Hour vs ICULOS
Correlation: 0.99



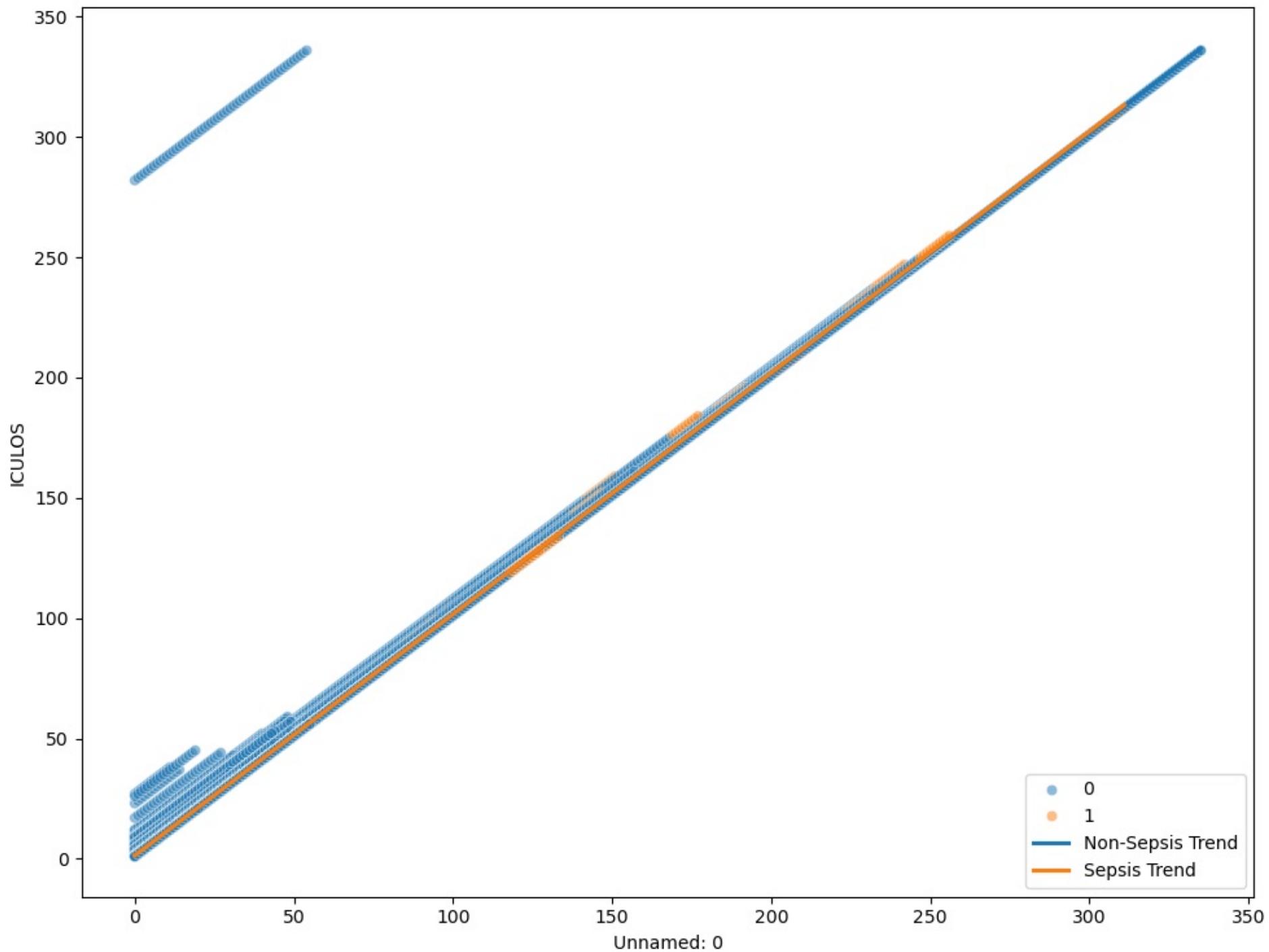
Feature Interaction: Unit1 vs Unit2
Correlation: 1.00



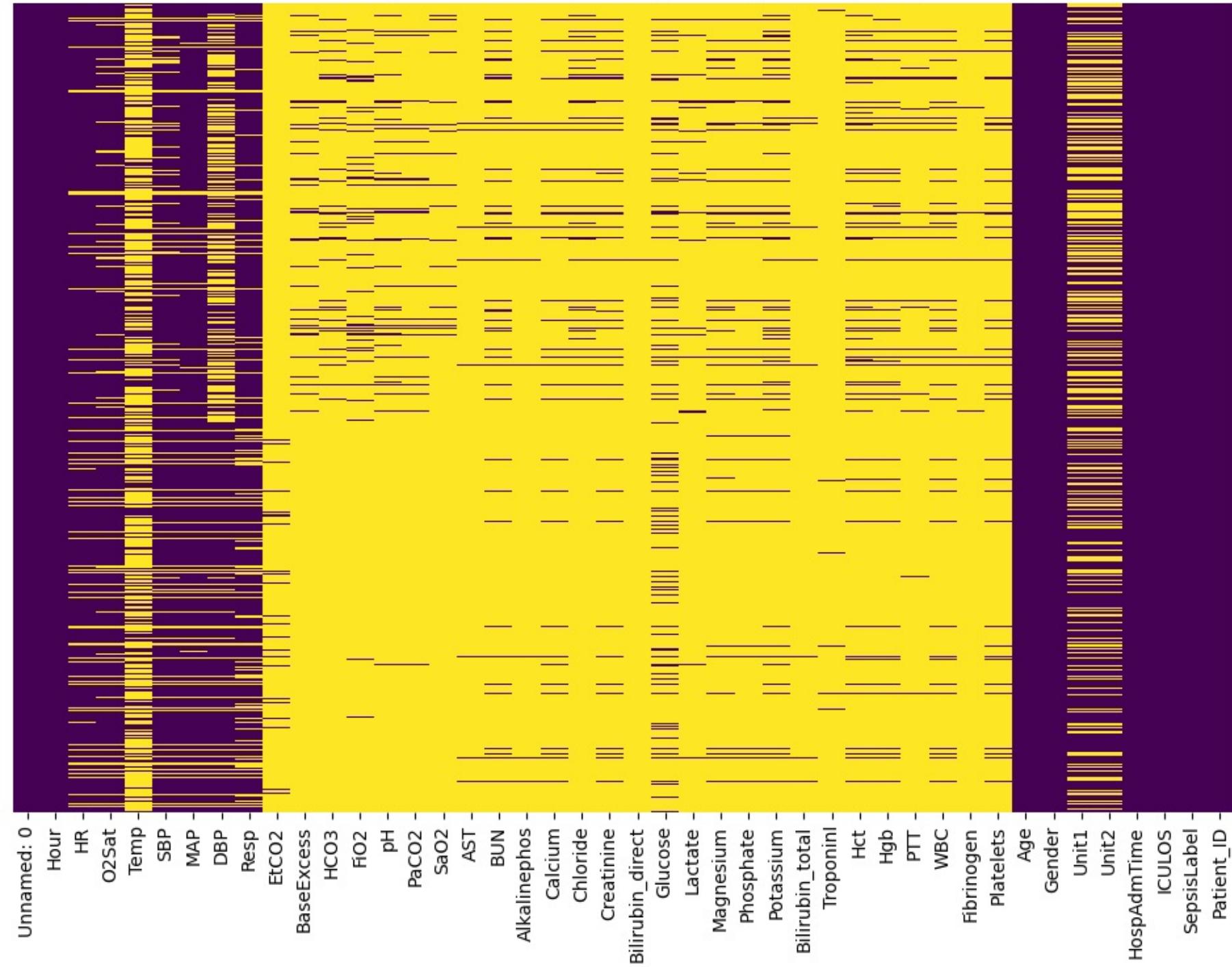
Feature Interaction: Unnamed: 0 vs Hour
Correlation: 1.00



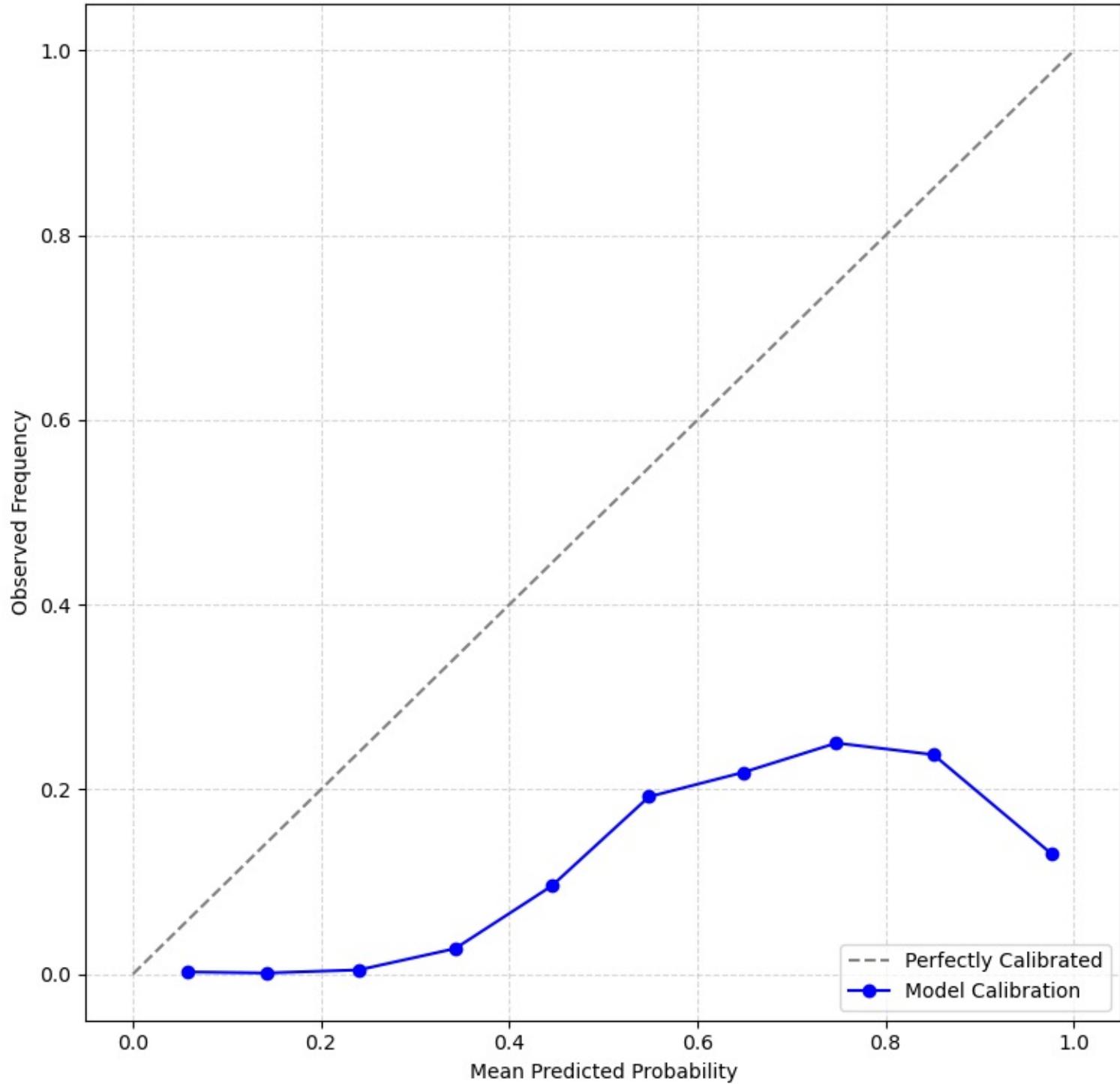
Feature Interaction: Unnamed: 0 vs ICULOS
Correlation: 0.99



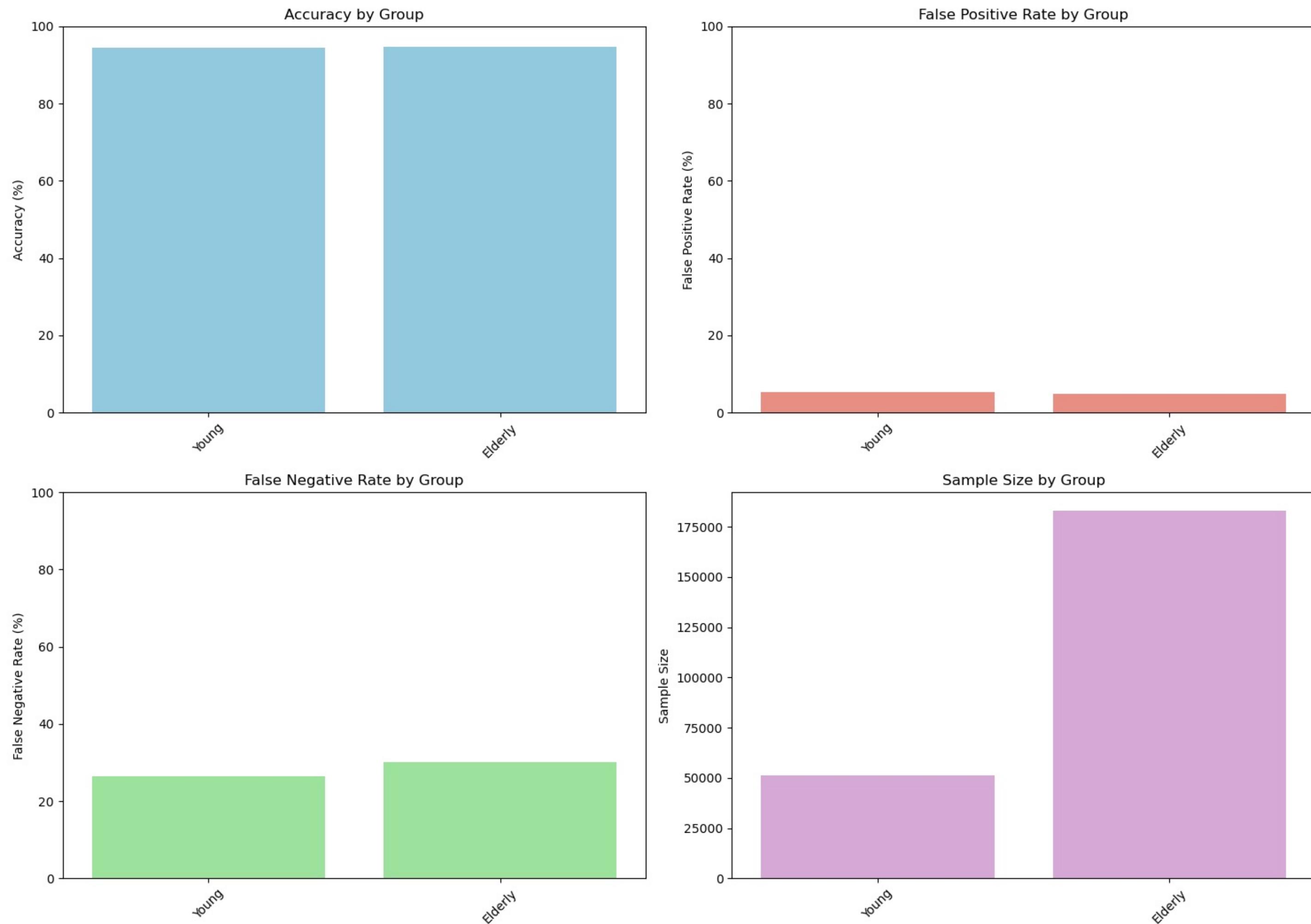
Missing Values Heatmap for Logistic Regression (Tuned)



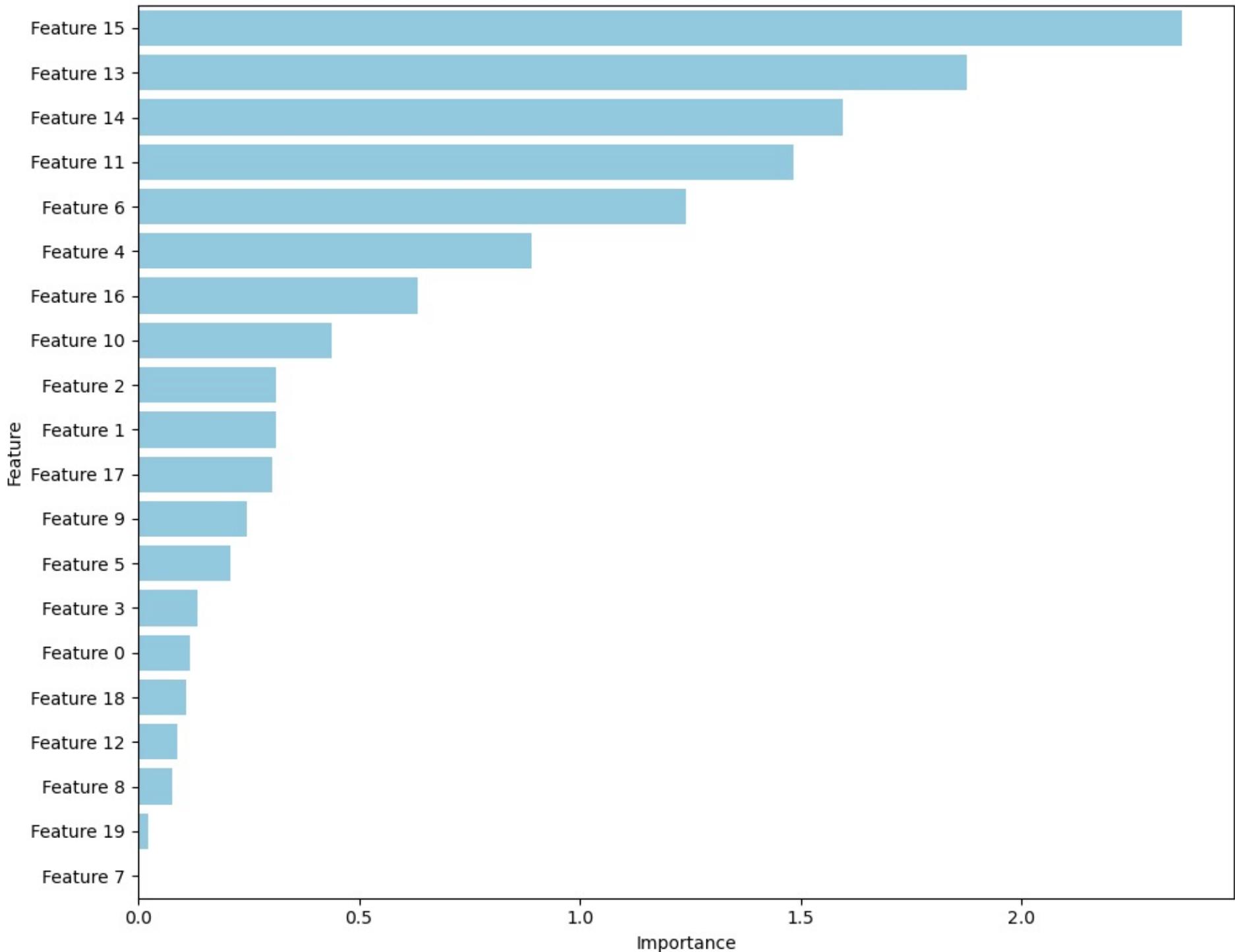
Calibration Plot for Logistic Regression (Tuned)



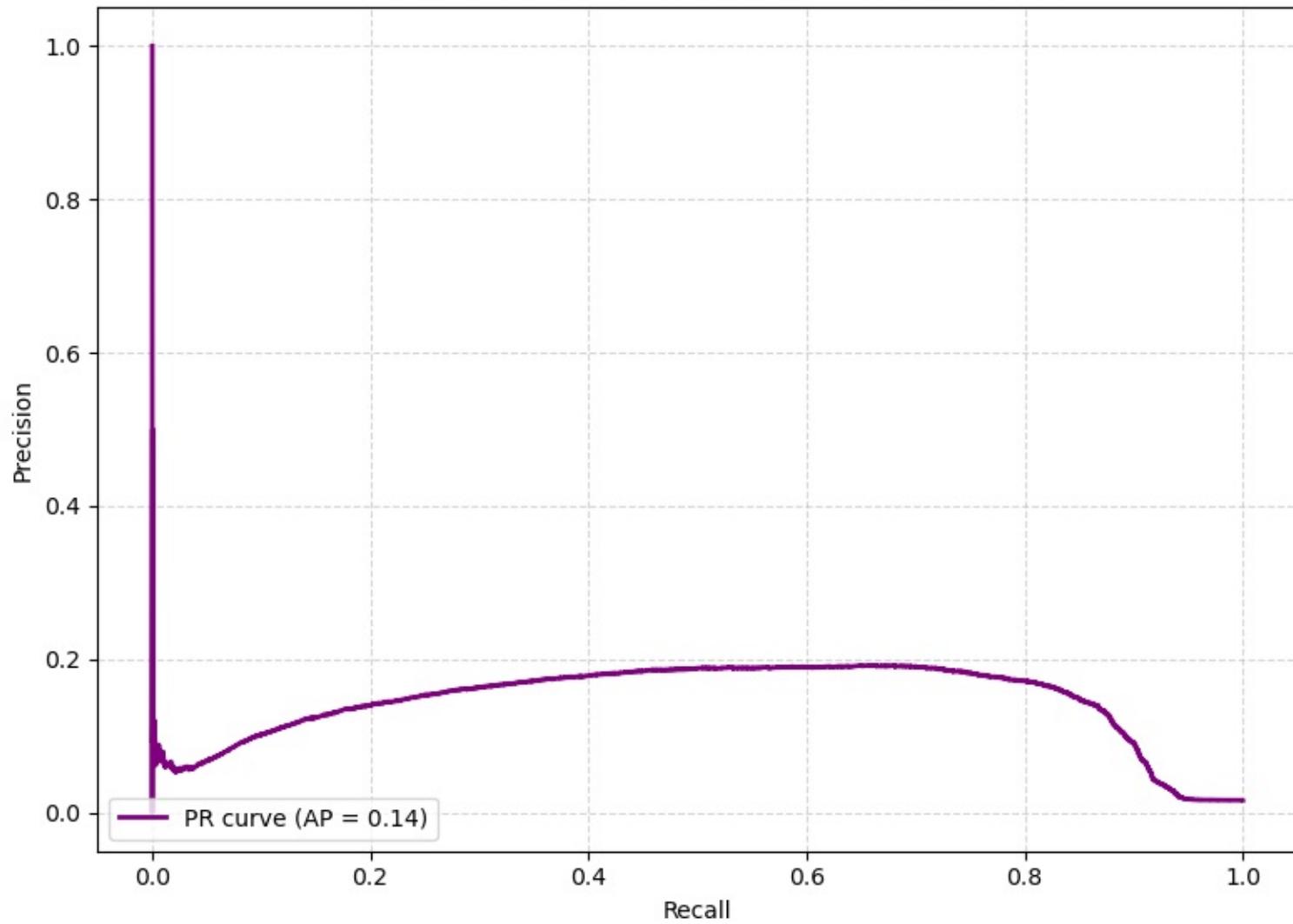
Error Analysis by Patient Groups for Logistic Regression (Tuned)



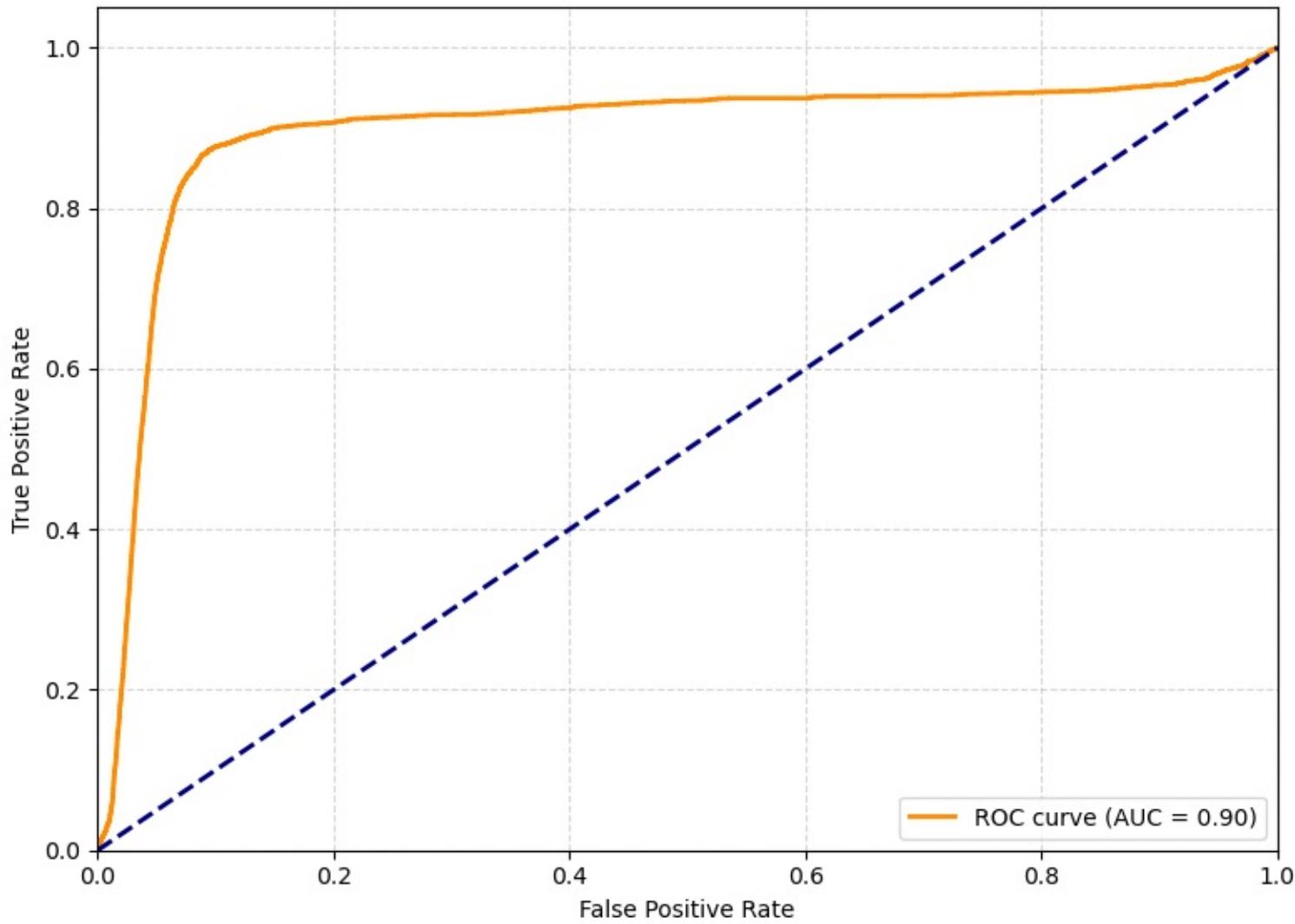
Top 20 Feature Importances for Logistic Regression (Tuned) (Absolute Coefficients)



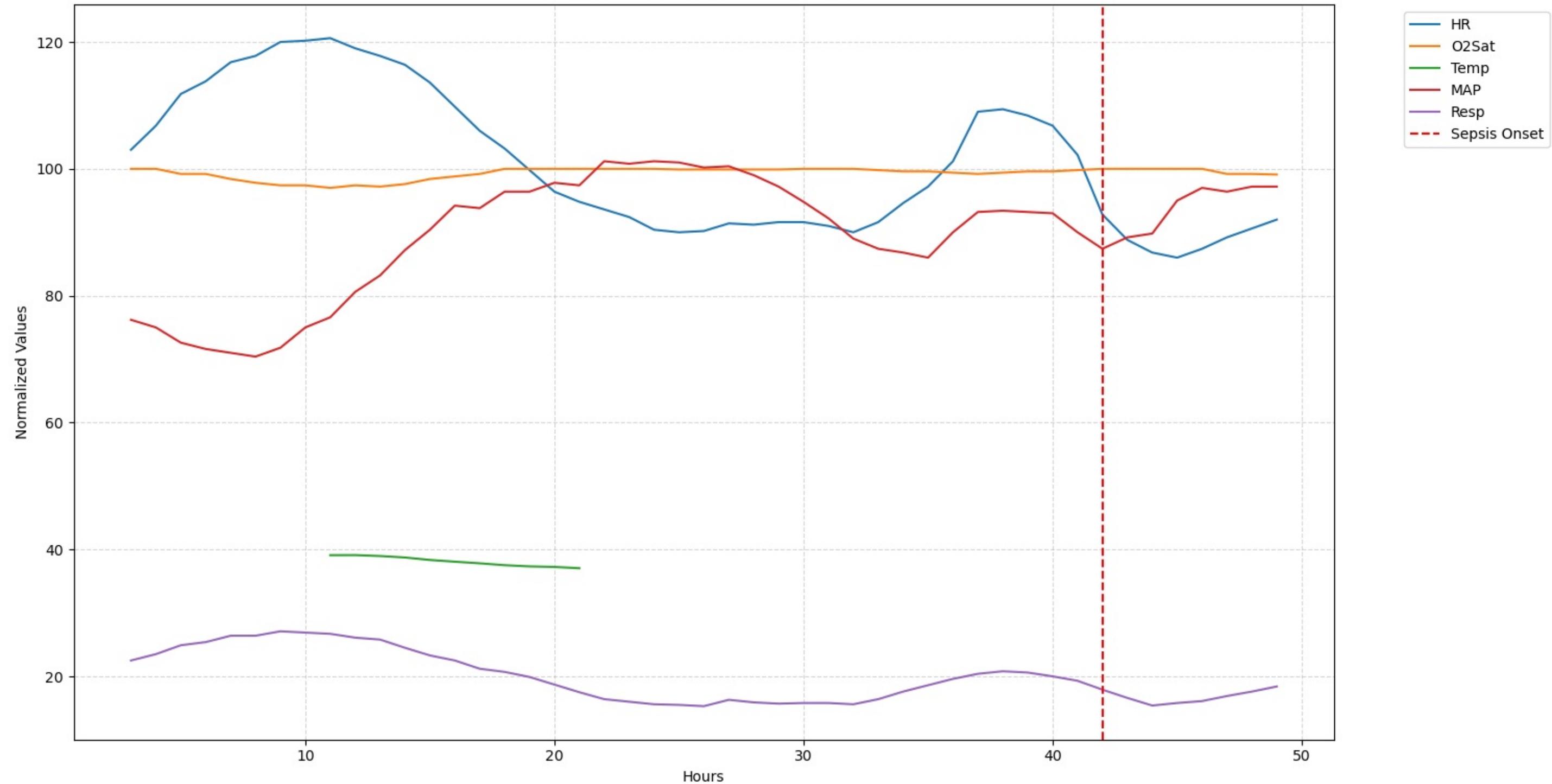
Precision-Recall Curve for Logistic Regression (Tuned)



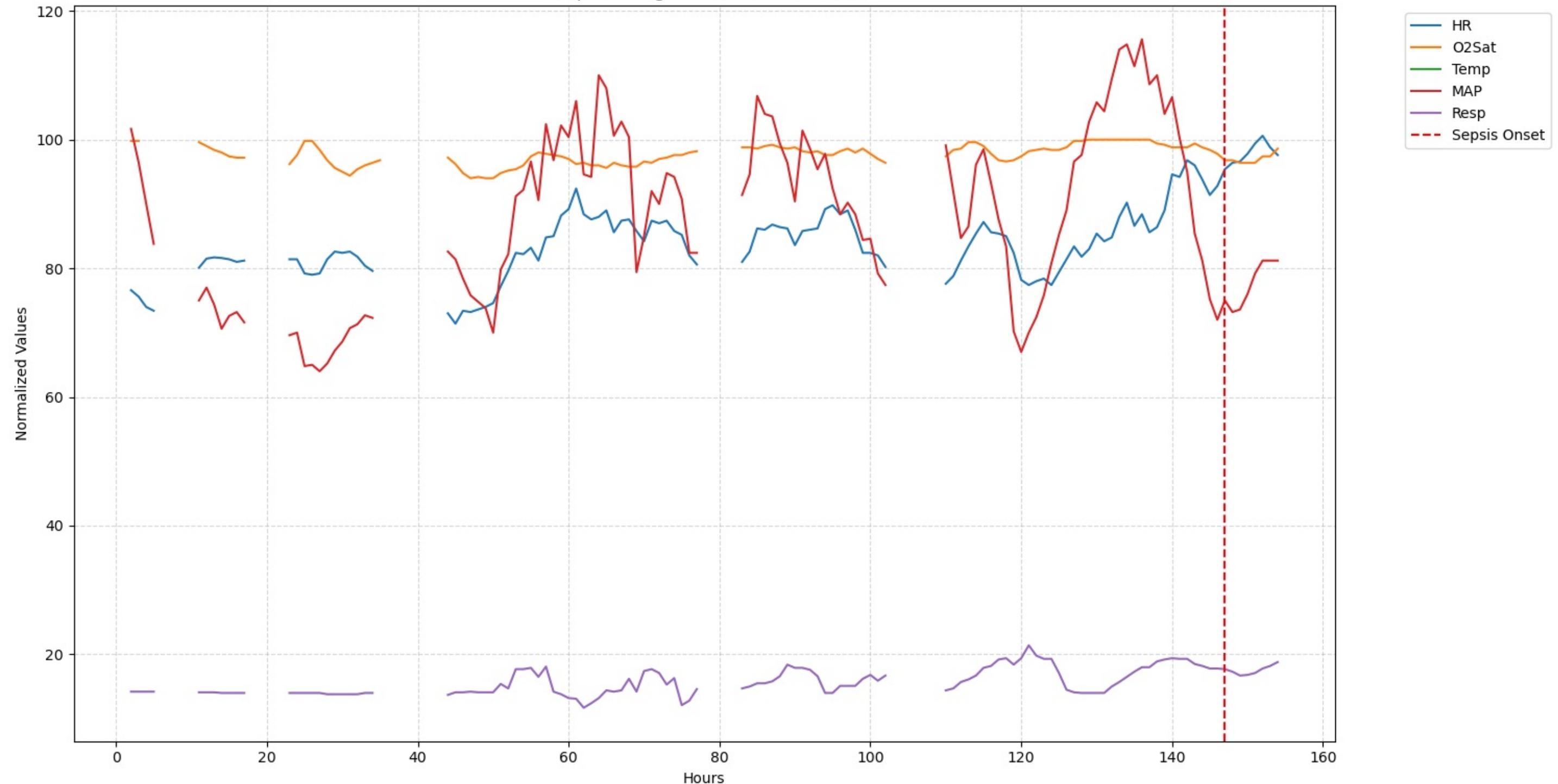
ROC Curve for Logistic Regression (Tuned)



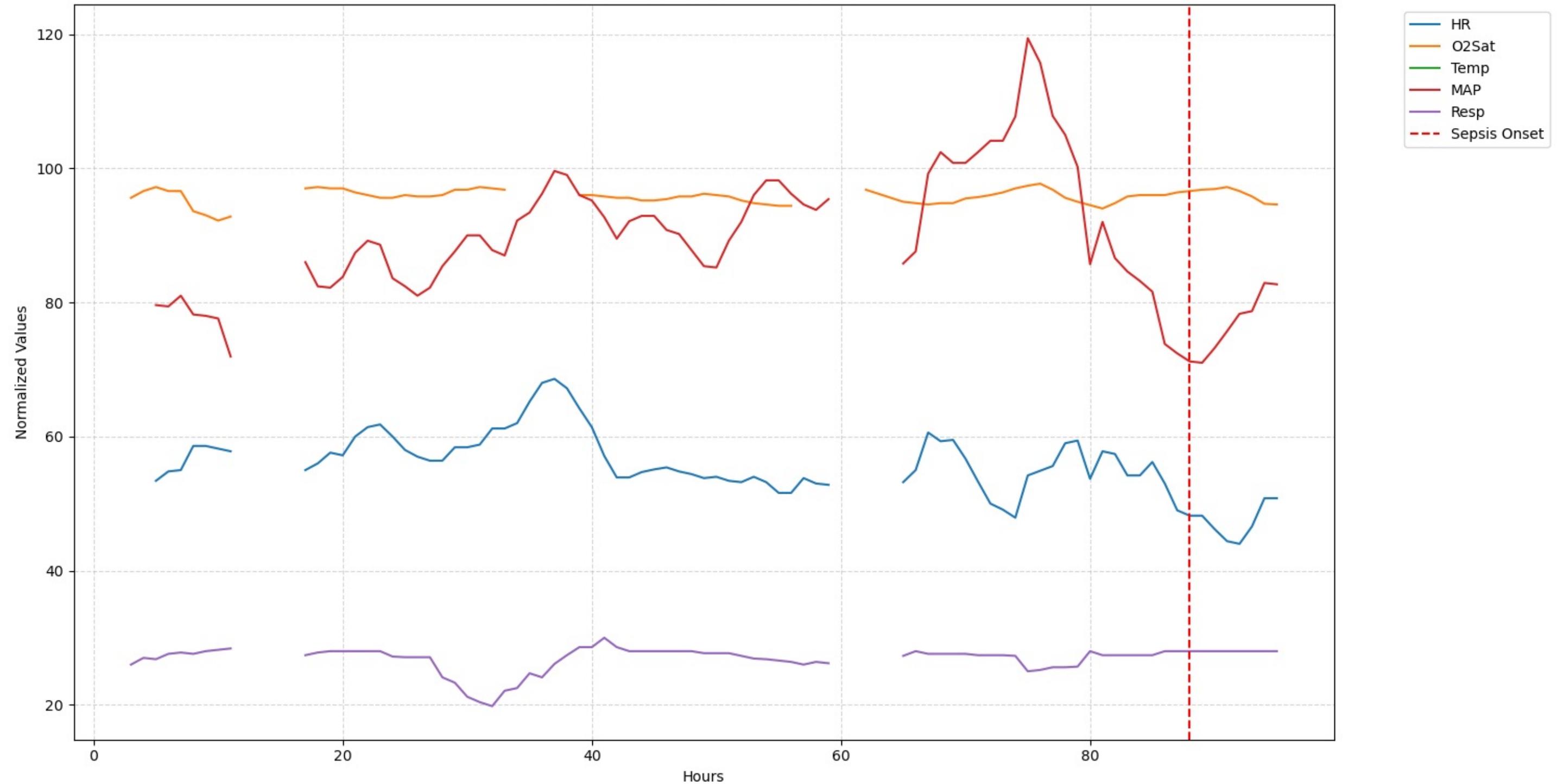
Temporal Progression - Patient 16905



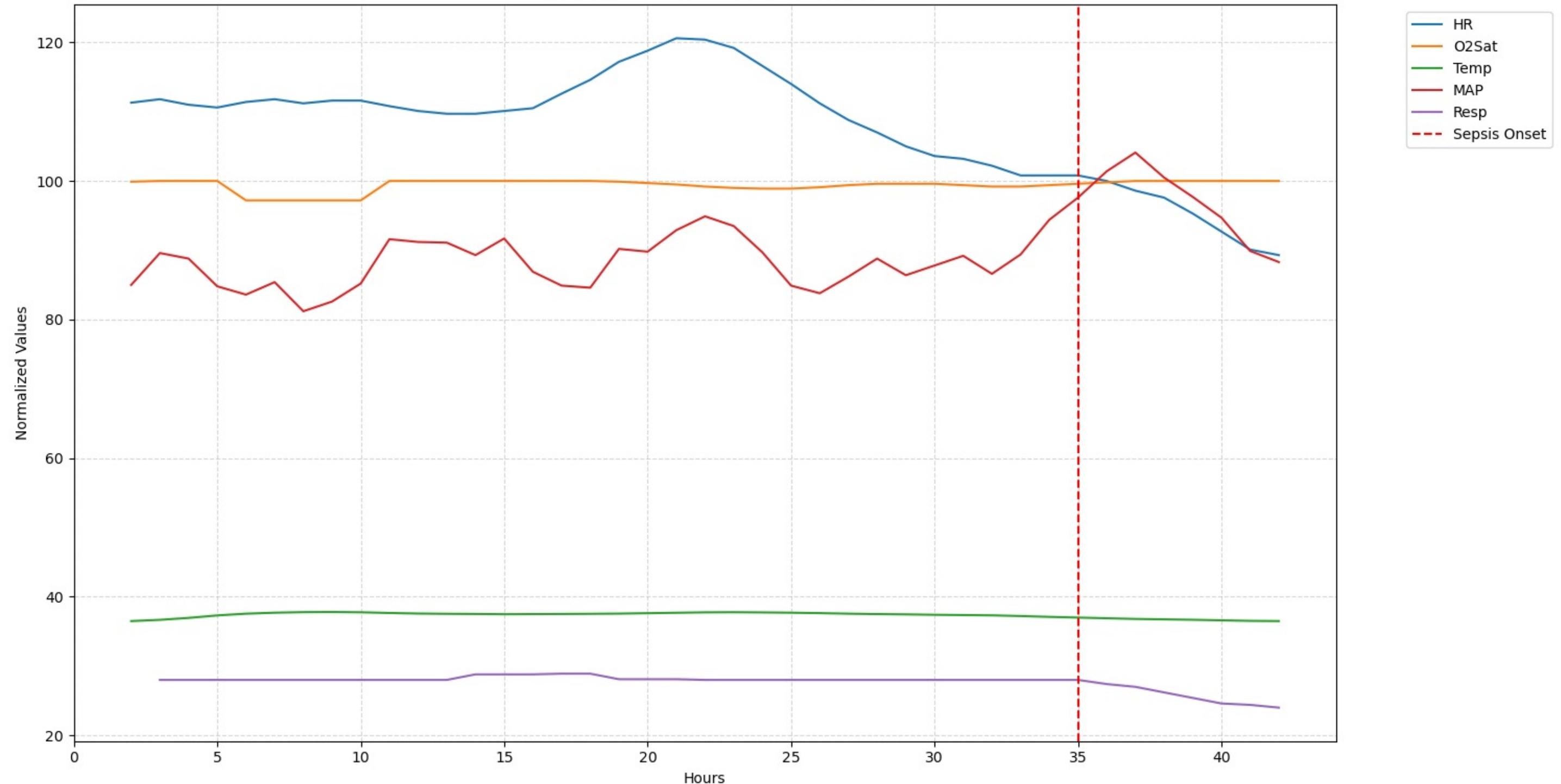
Temporal Progression - Patient 18504



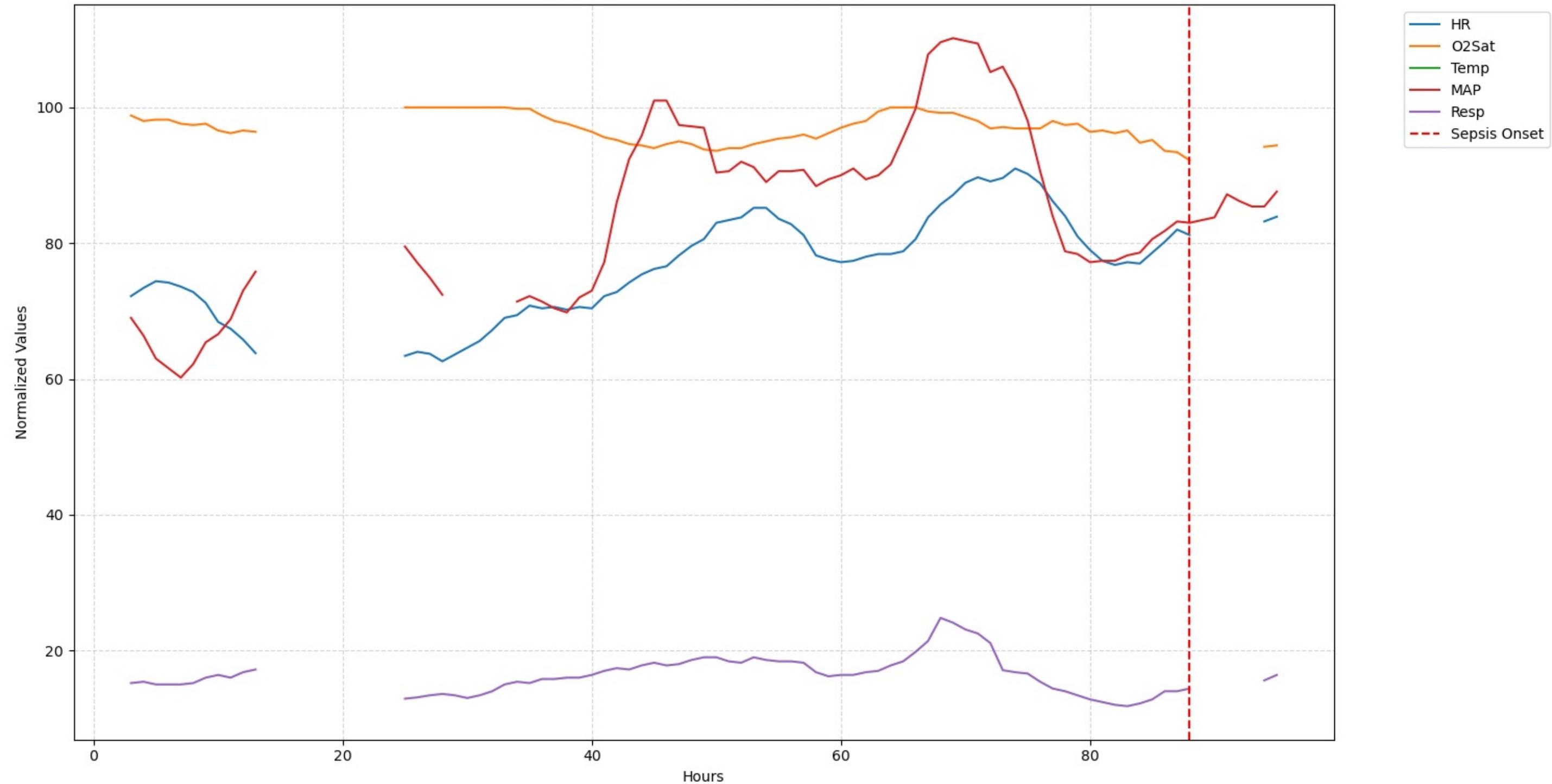
Temporal Progression - Patient 19434



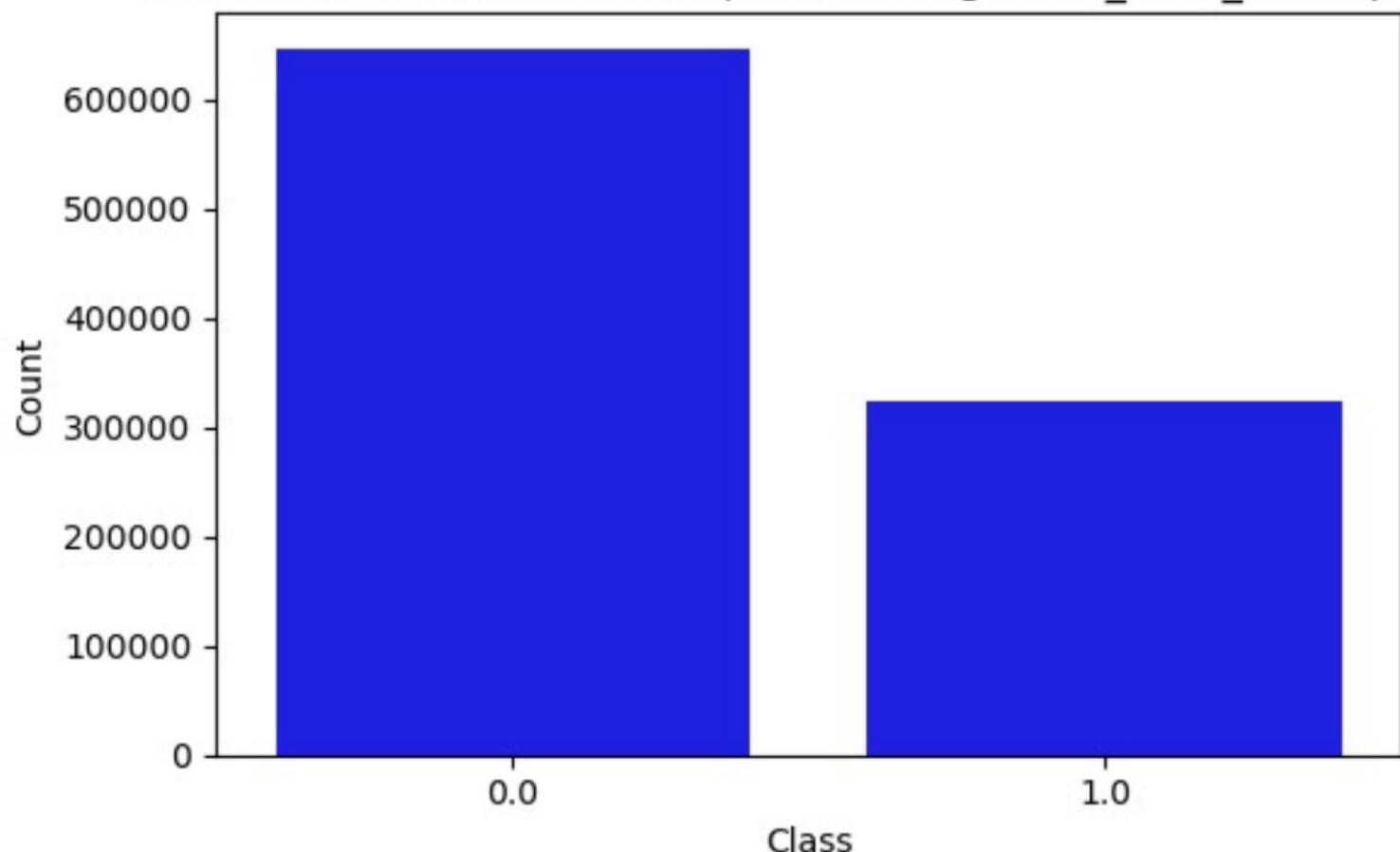
Temporal Progression - Patient 113388



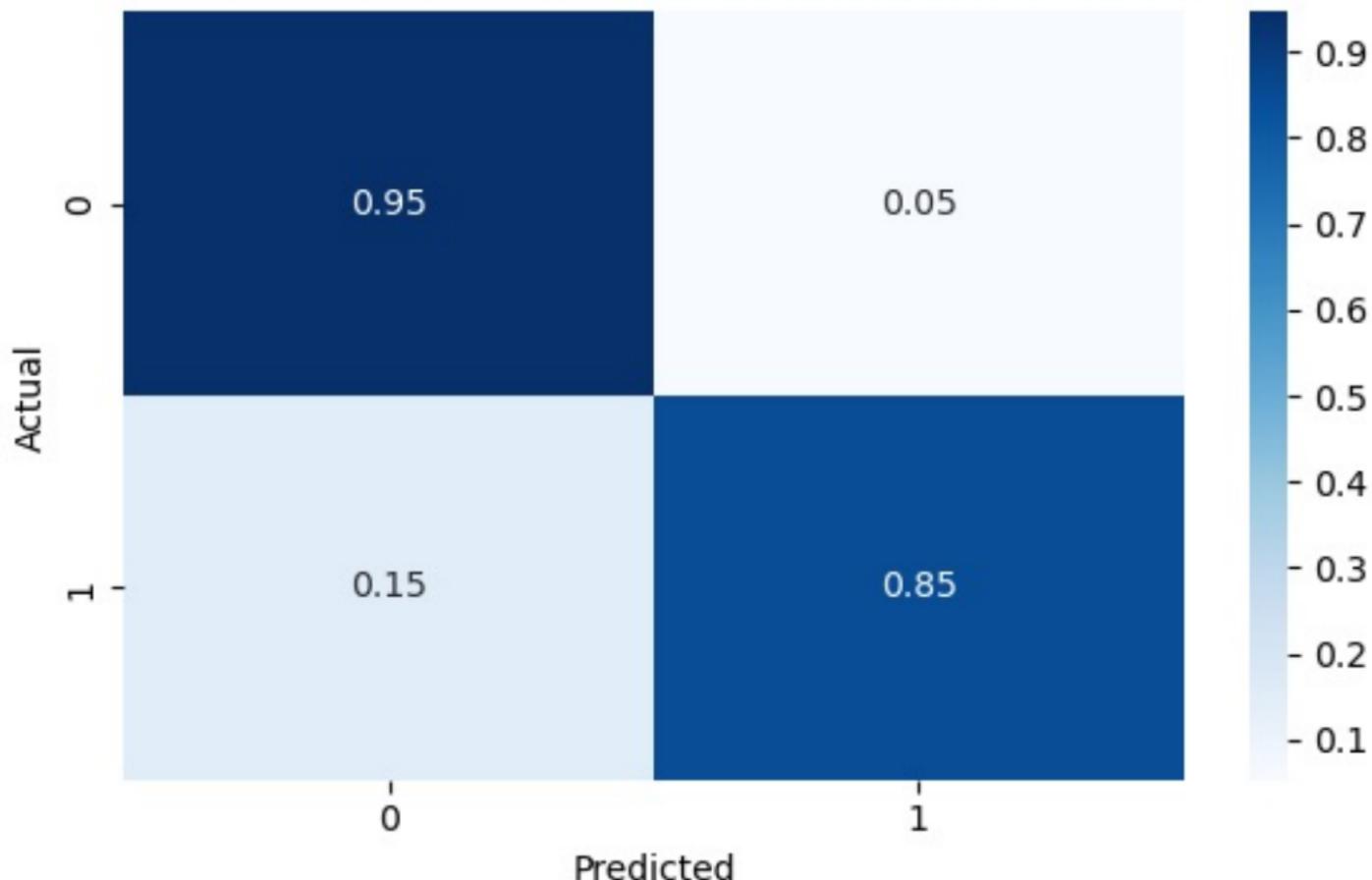
Temporal Progression - Patient 119867



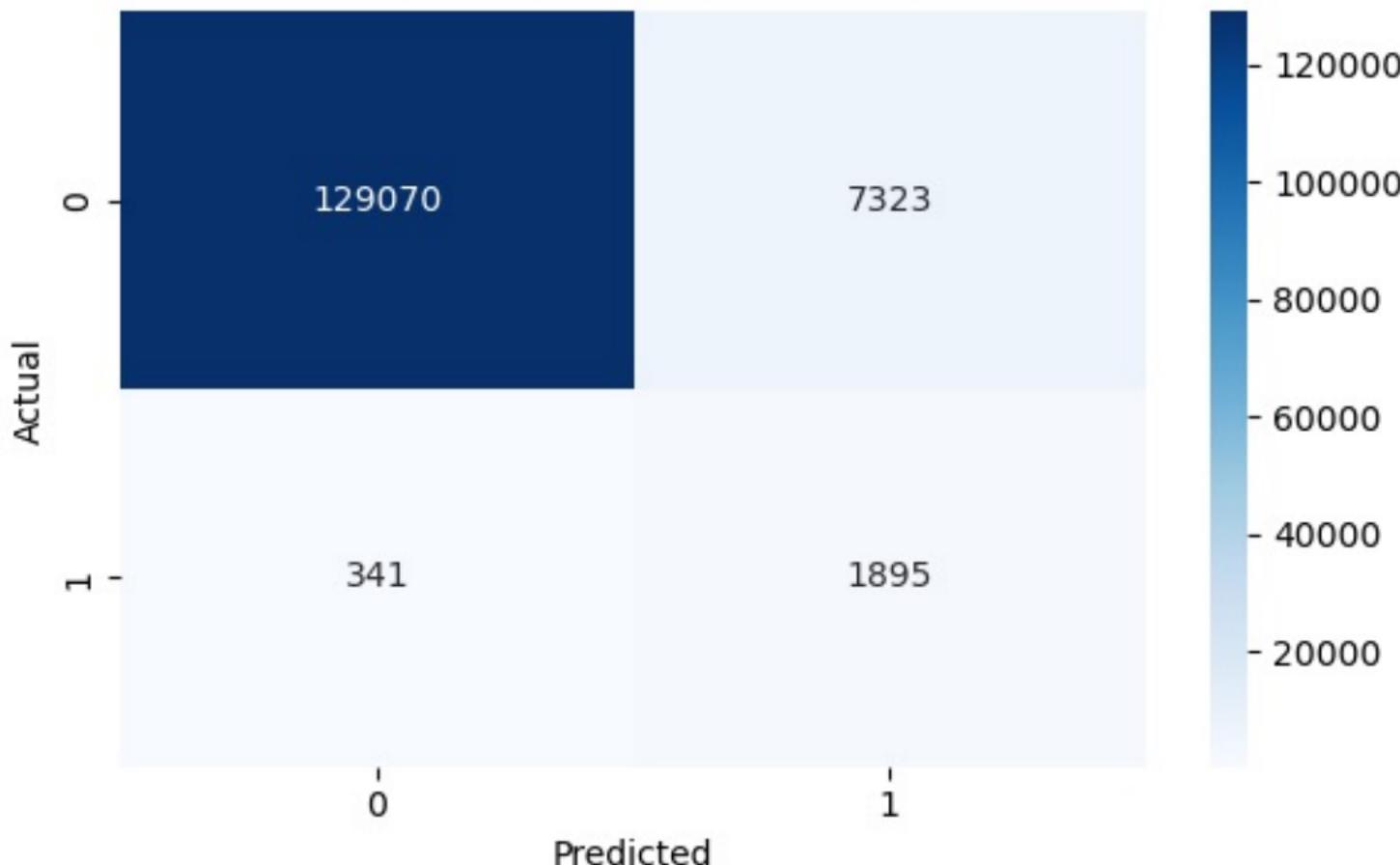
Class Distribution for Resampled Training Data _after_resampling



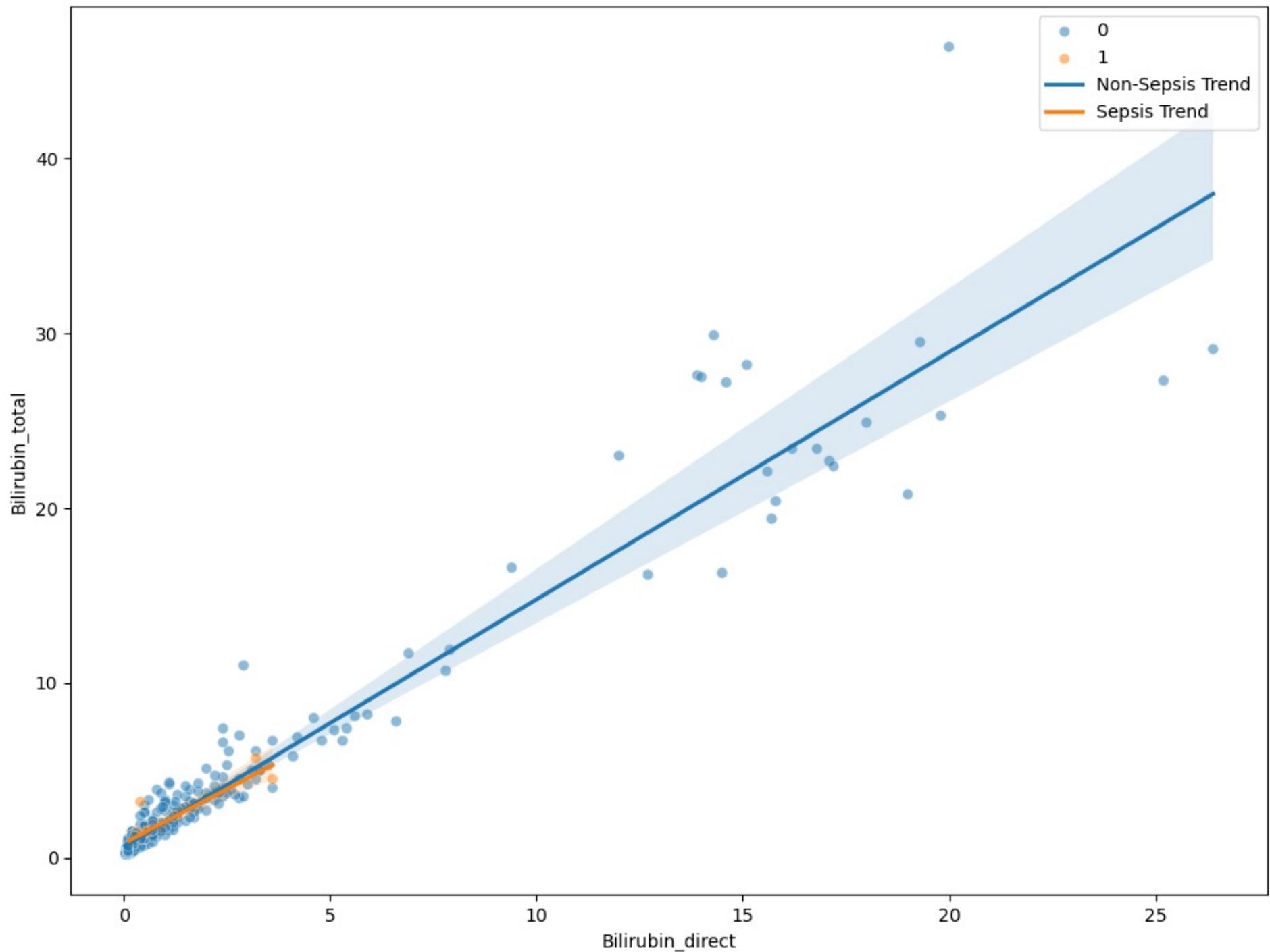
Confusion Matrix for XGBoost (Tuned) (Normalized)



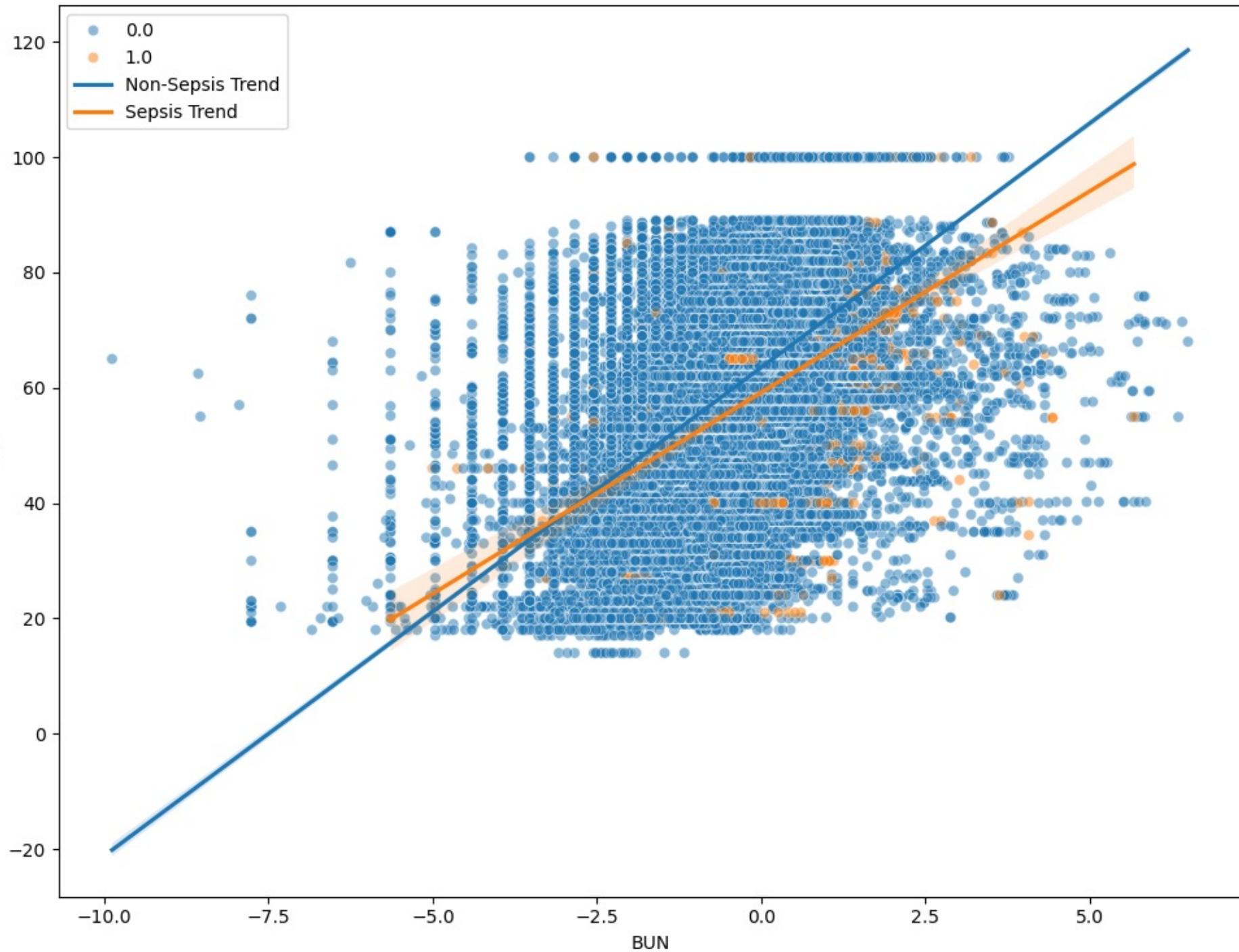
Confusion Matrix for XGBoost (Tuned)



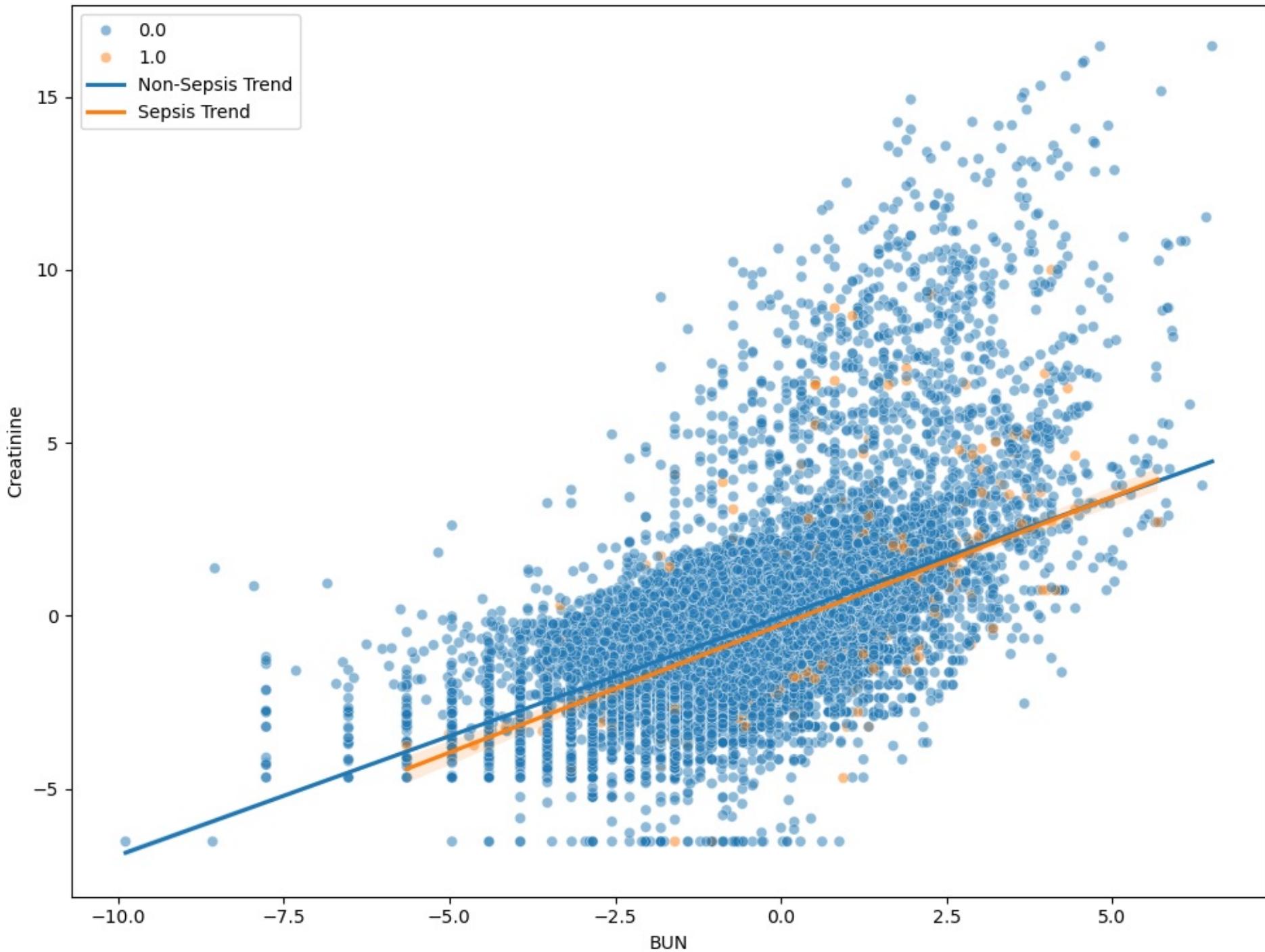
Feature Interaction: Bilirubin_direct vs Bilirubin_total
Correlation: 0.96



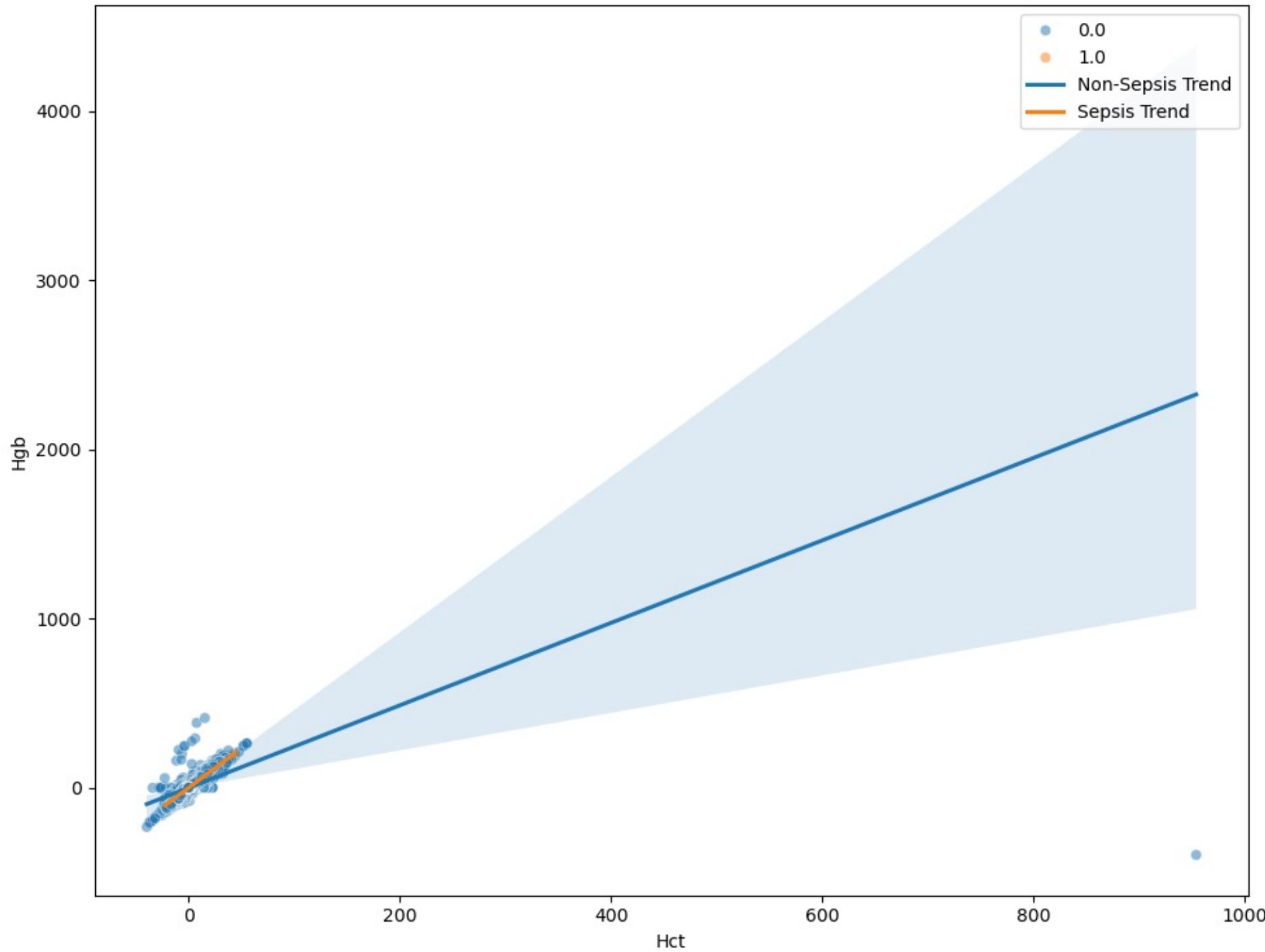
Feature Interaction: BUN vs Age
Correlation: 0.48



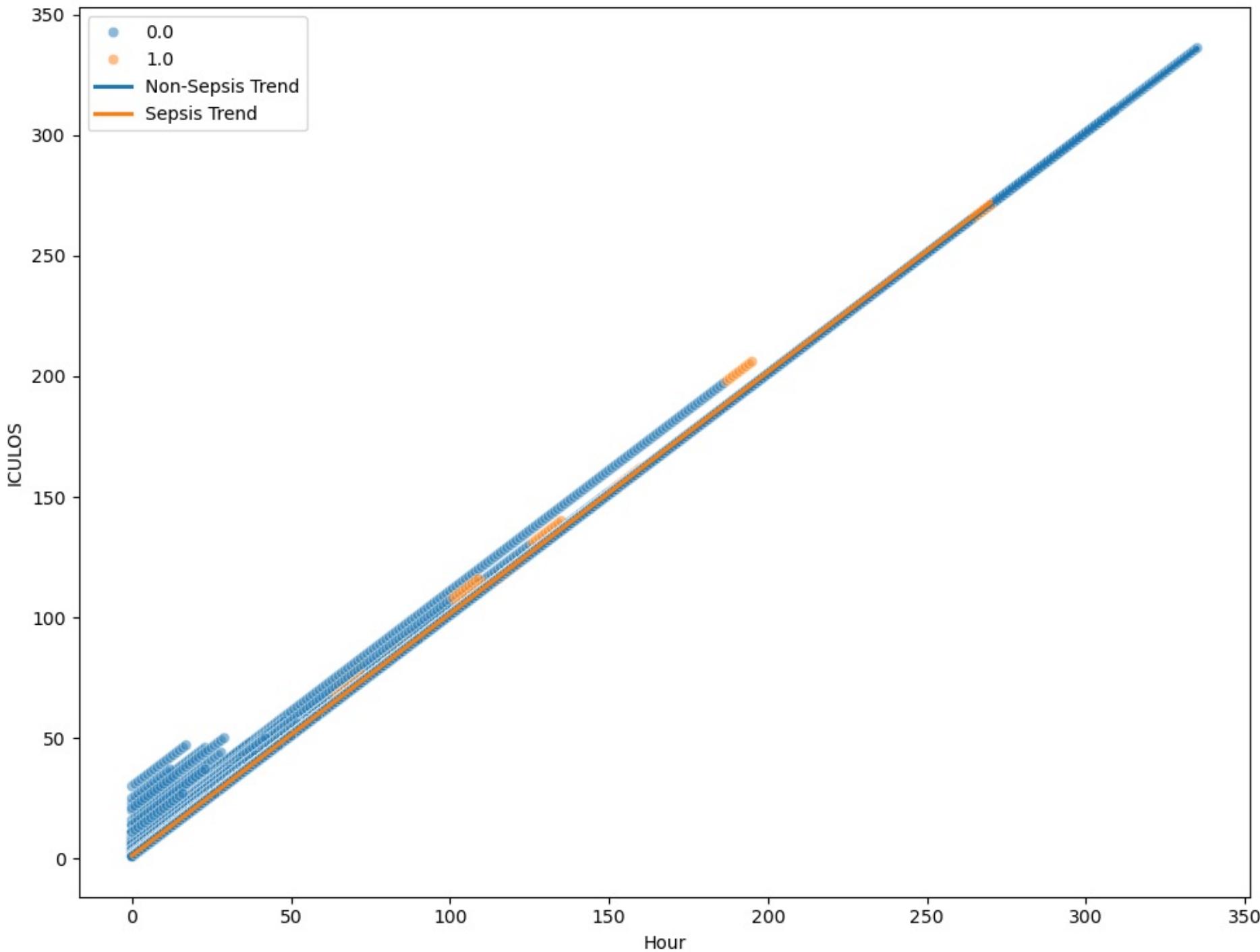
Feature Interaction: BUN vs Creatinine
Correlation: 0.56



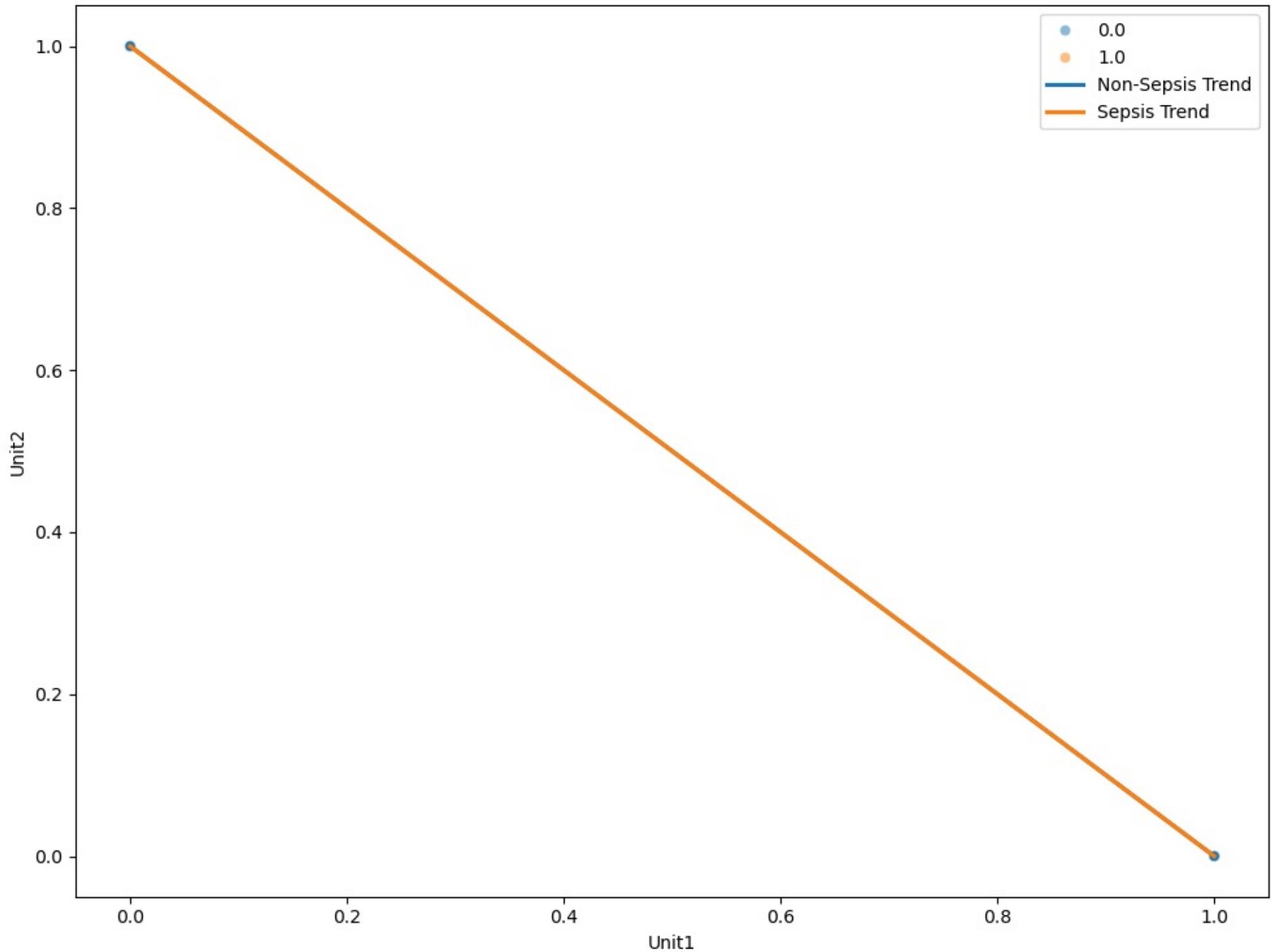
Feature Interaction: Hct vs Hgb
Correlation: 0.63



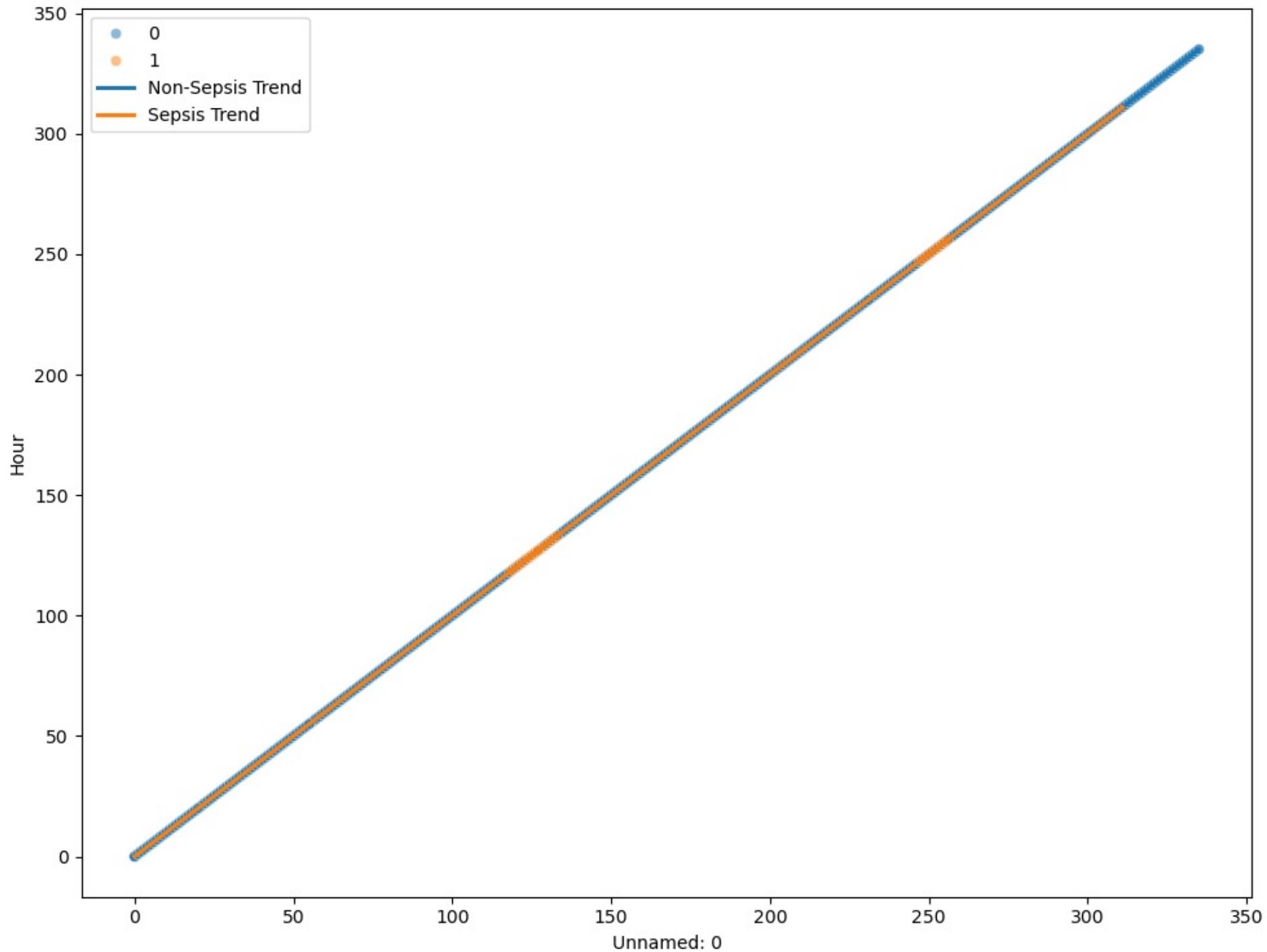
Feature Interaction: Hour vs ICULOS
Correlation: 1.00



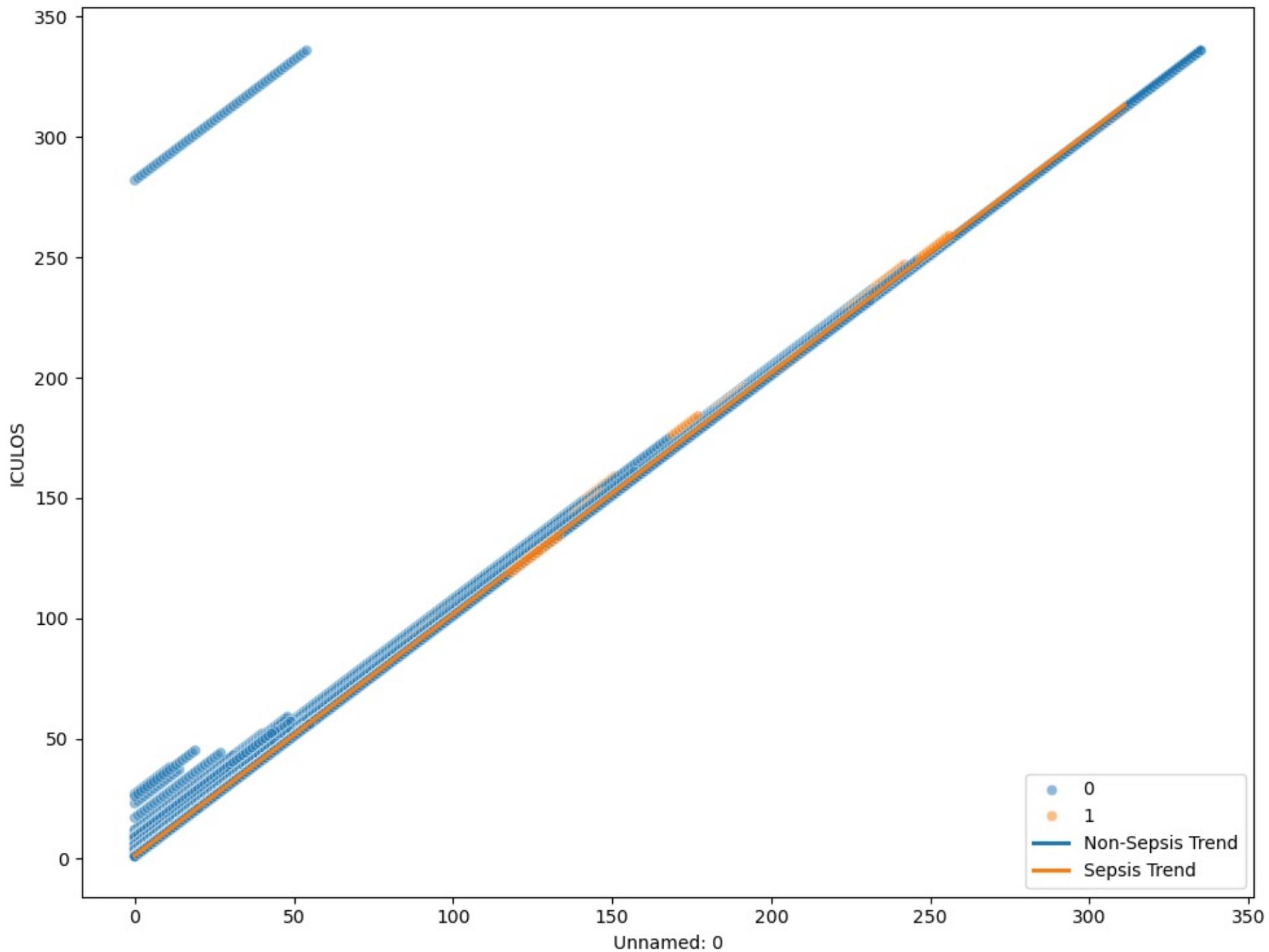
Feature Interaction: Unit1 vs Unit2
Correlation: 1.00



Feature Interaction: Unnamed: 0 vs Hour
Correlation: 1.00



Feature Interaction: Unnamed: 0 vs ICULOS
Correlation: 0.99



Missing Values Heatmap for XGBoost (Tuned)

Patient_ID

Unit1

Unit2

Hour

HR

O2Sat

Temp

MAP

Resp

BUN

Chloride

Creatinine

Glucose

Hct

Hgb

WBC

Platelets

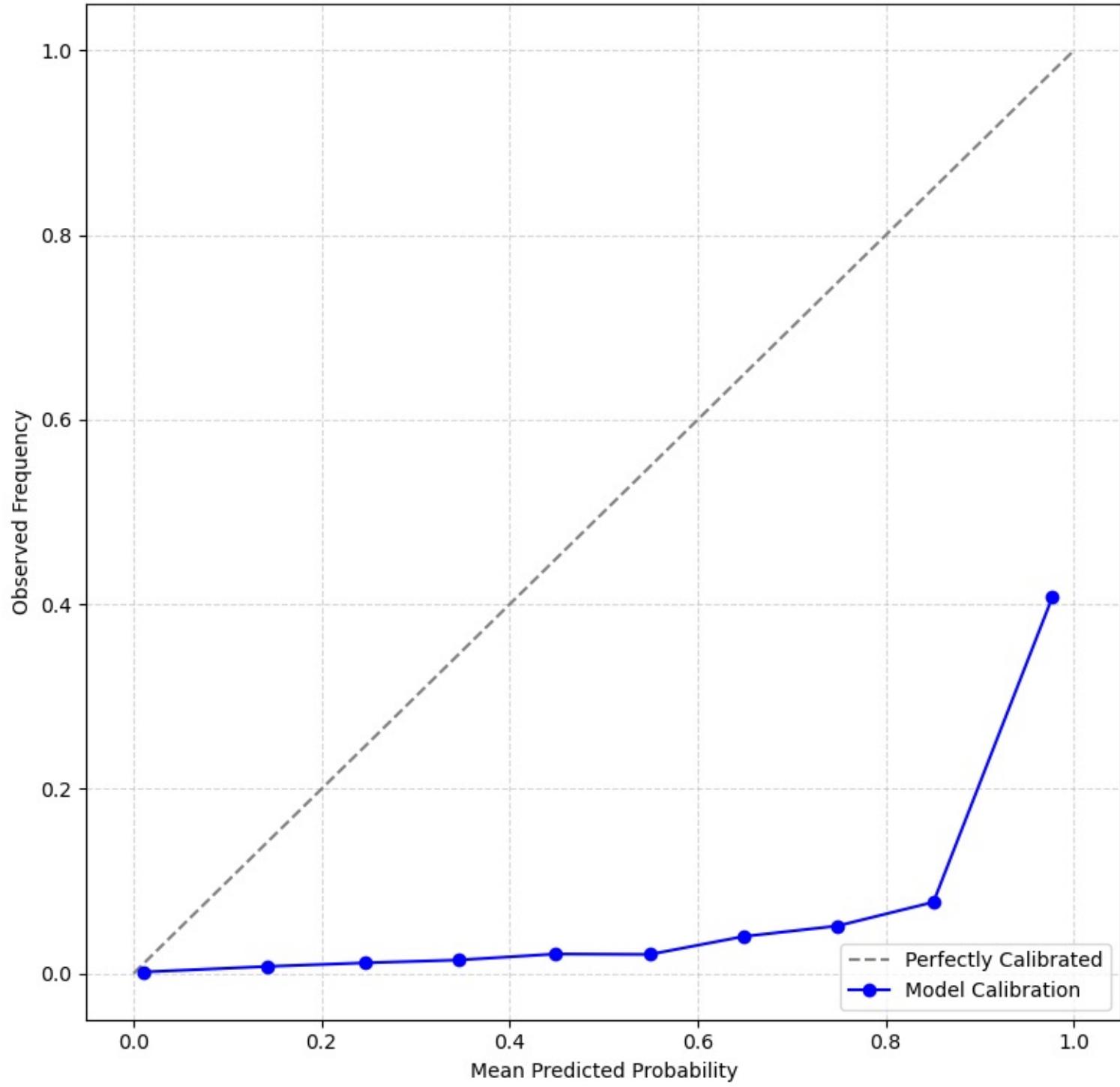
Age

HospAdmTime

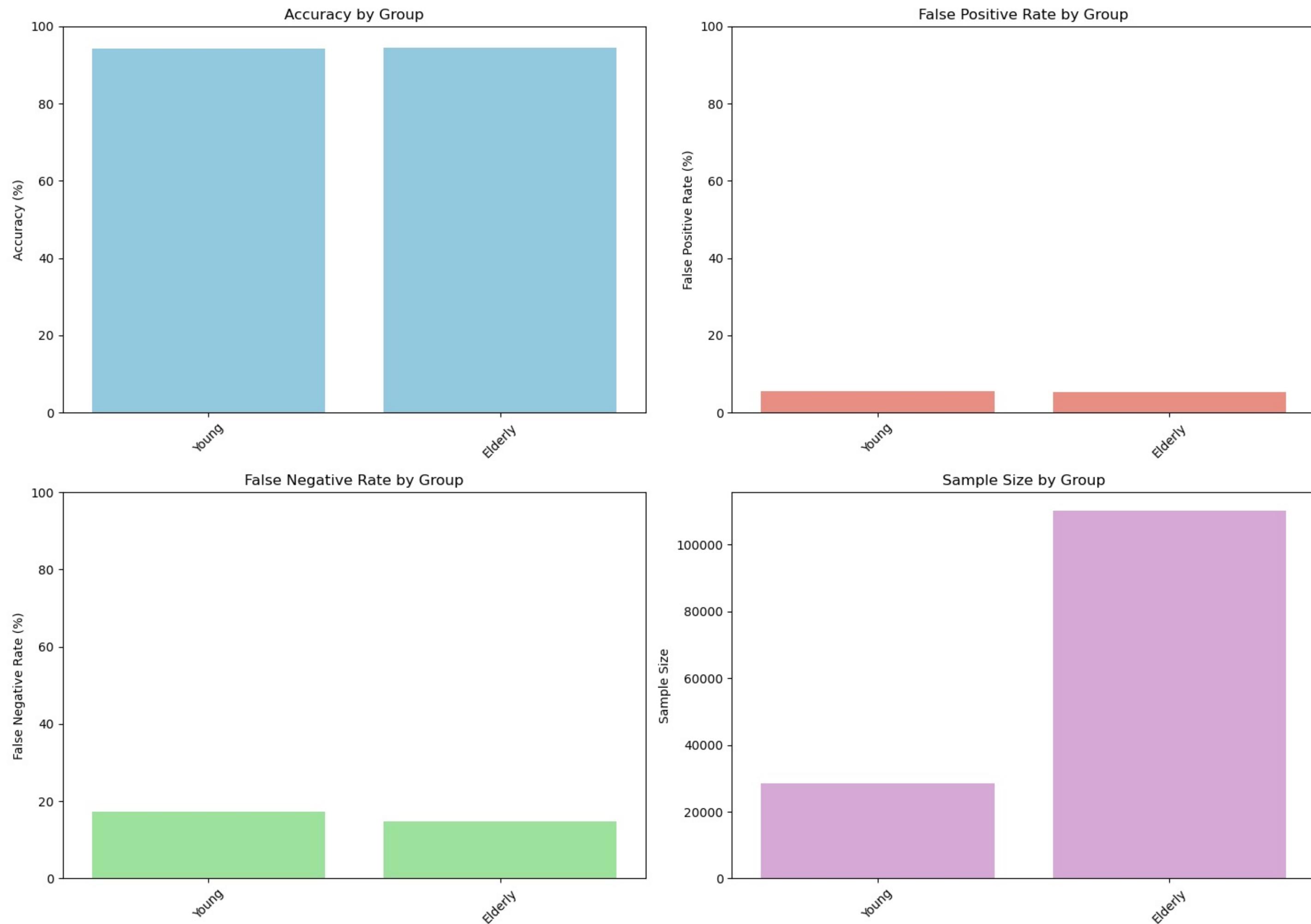
ICULOS

SepsisLabel

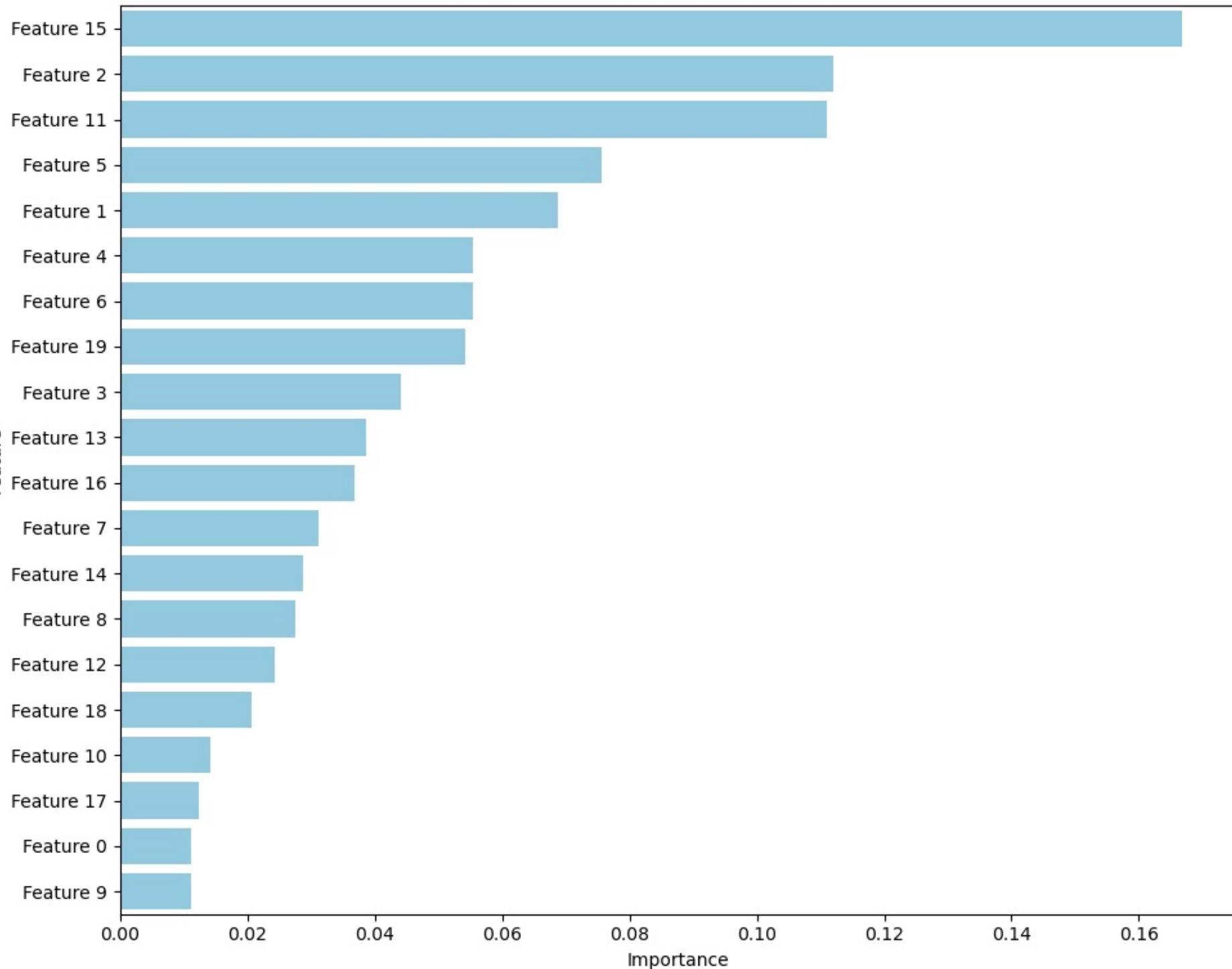
Calibration Plot for XGBoost (Tuned)



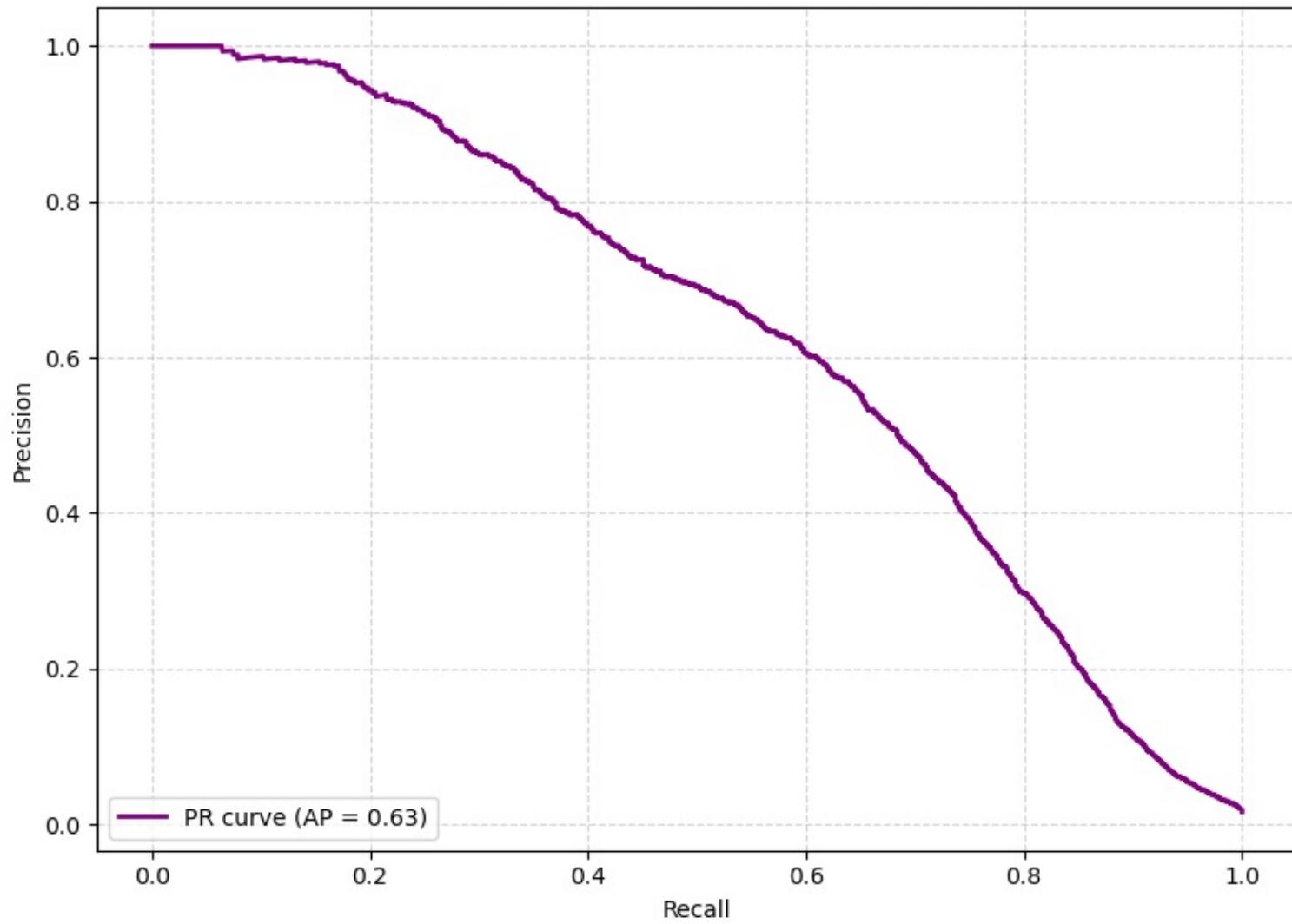
Error Analysis by Patient Groups for XGBoost (Tuned)



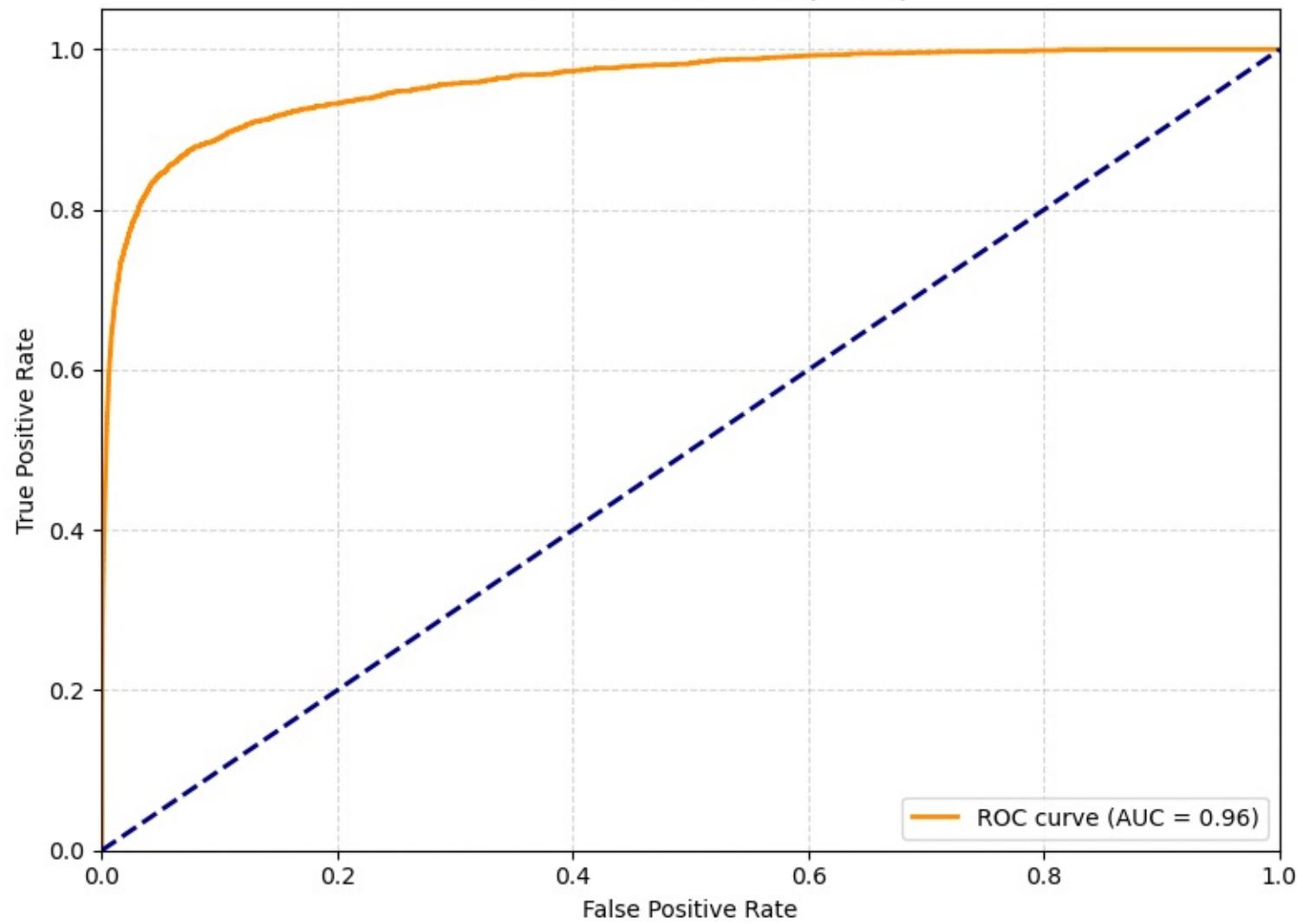
Top 20 Feature Importances for XGBoost (Tuned)



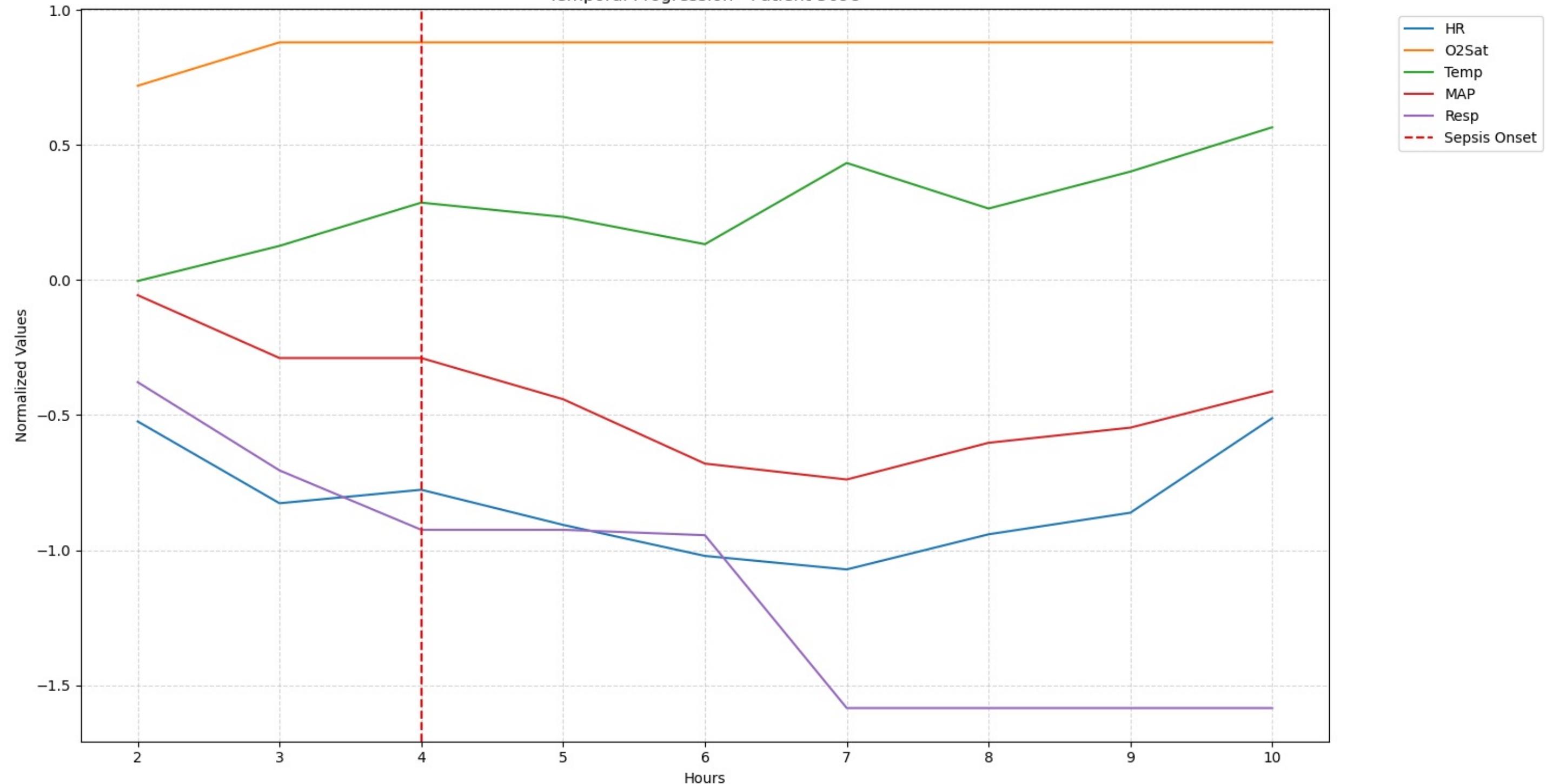
Precision-Recall Curve for XGBoost (Tuned)



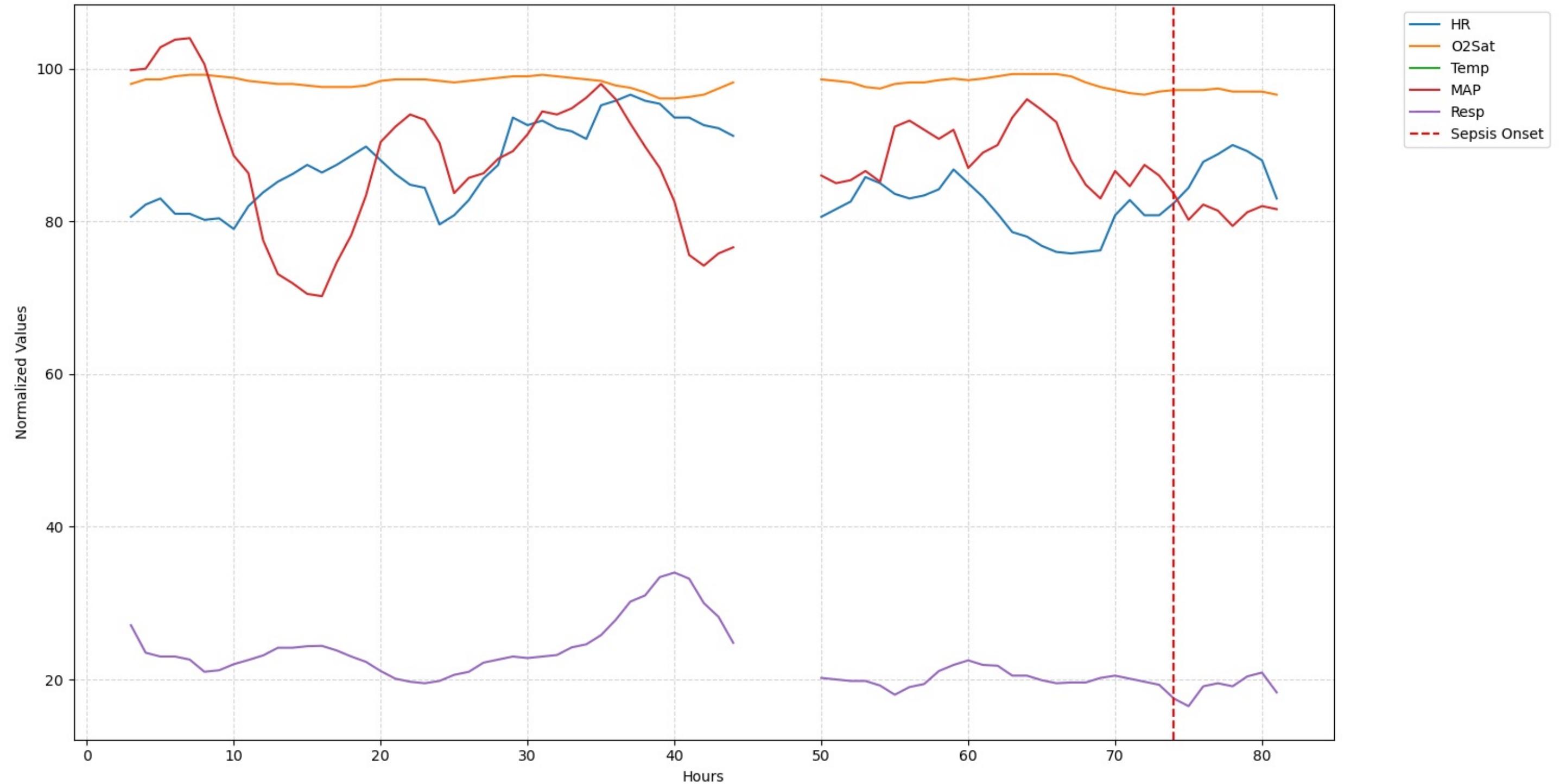
ROC Curve for XGBoost (Tuned)



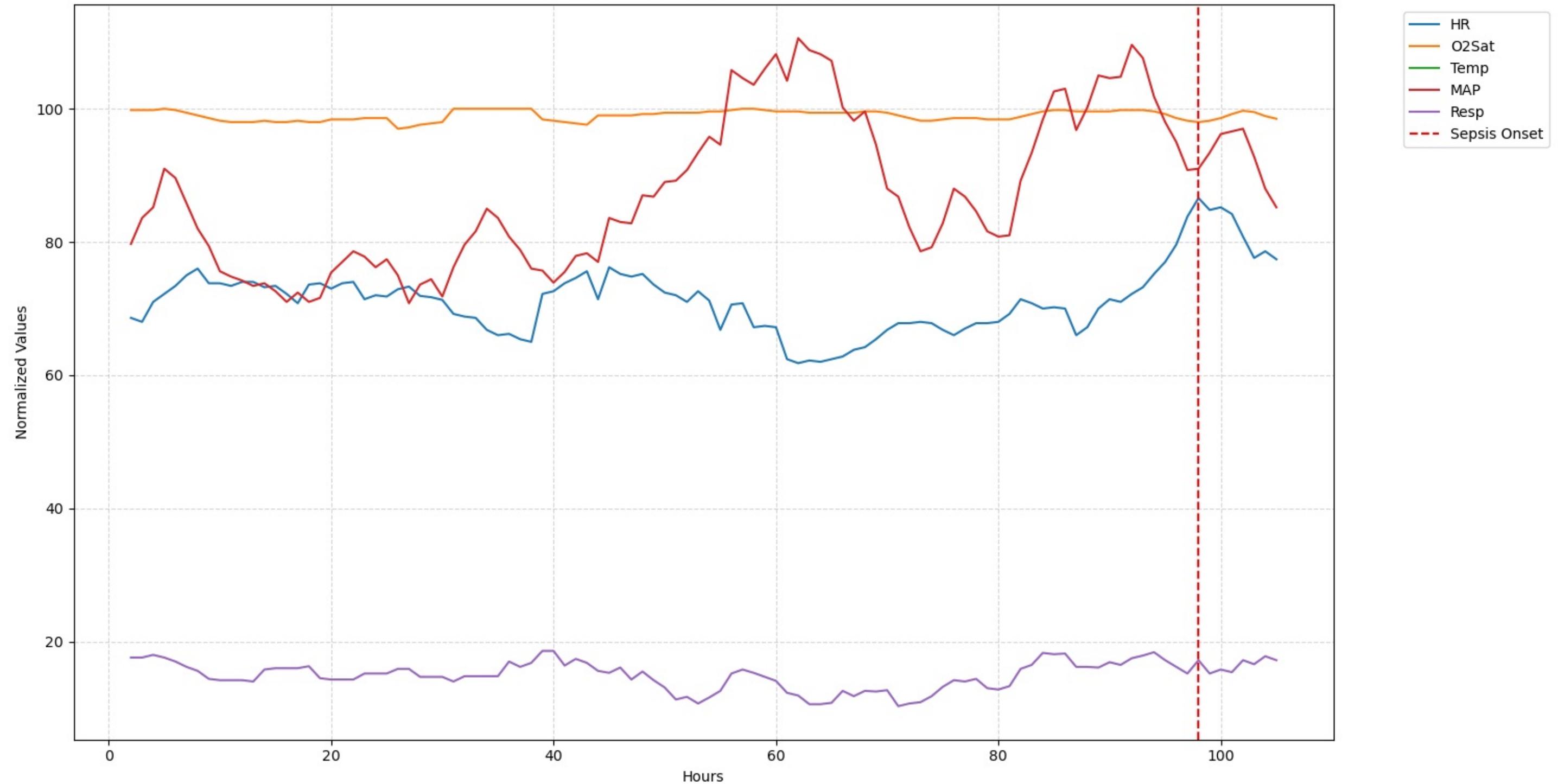
Temporal Progression - Patient 3698



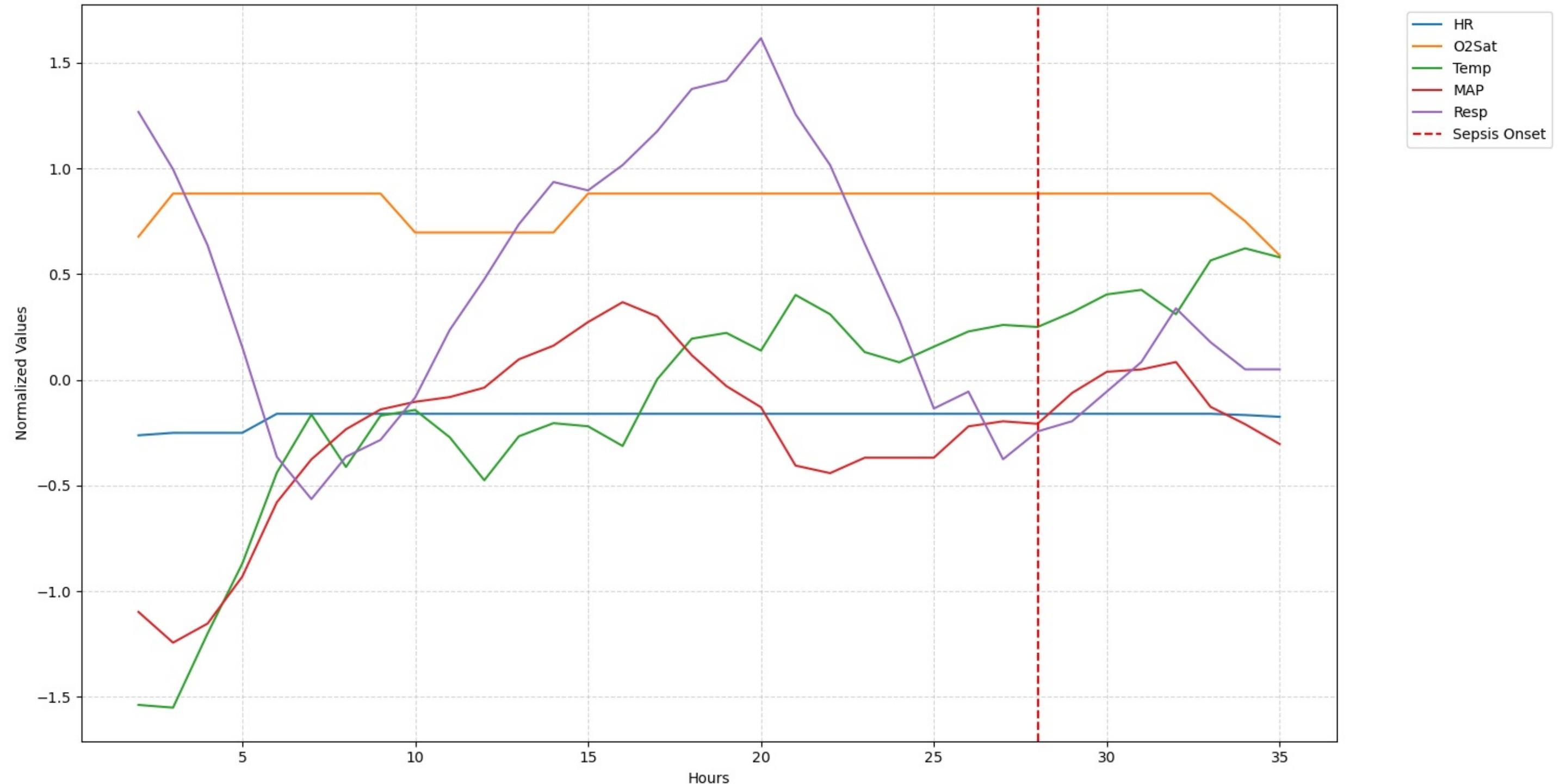
Temporal Progression - Patient 4376



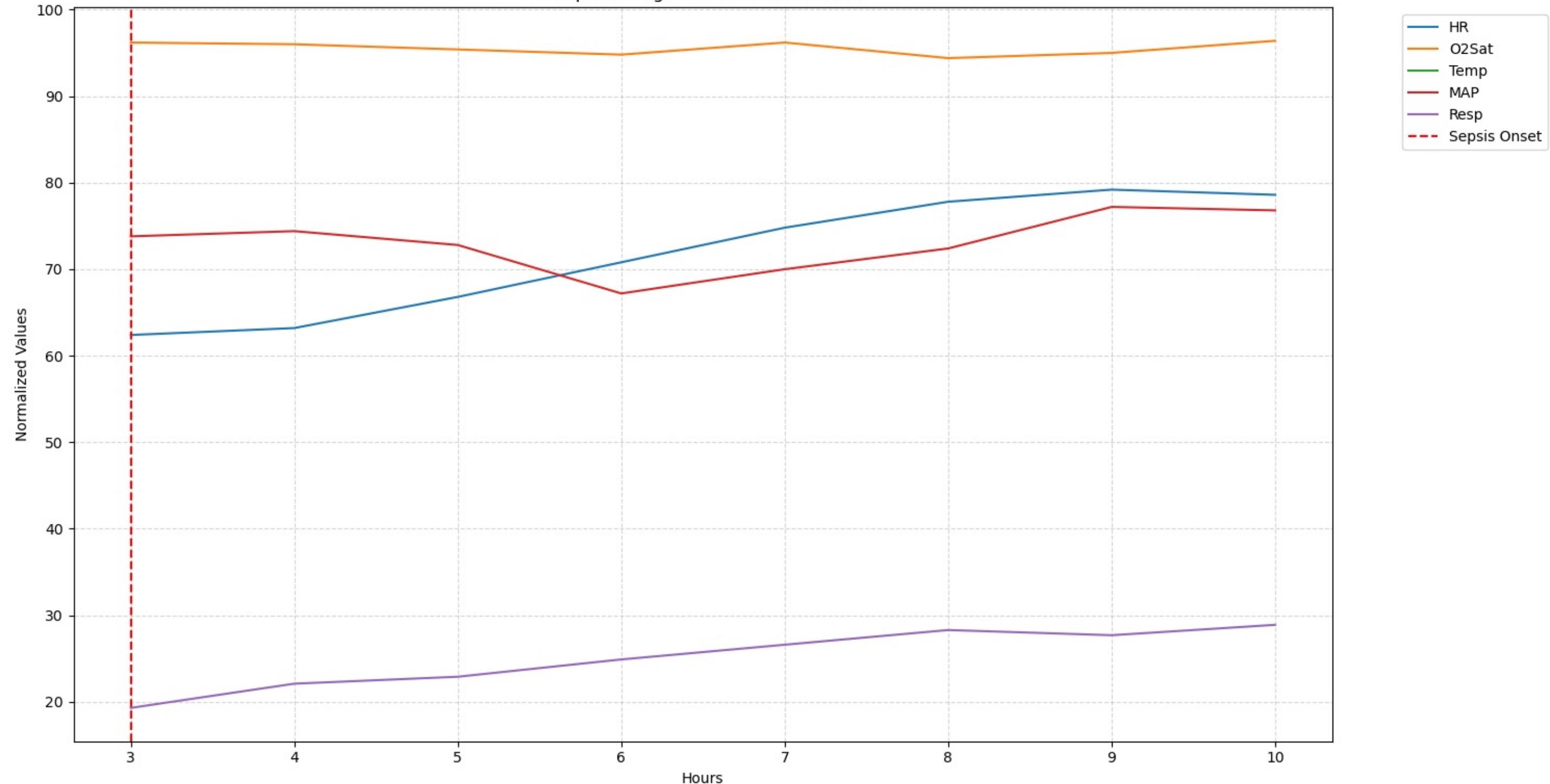
Temporal Progression - Patient 13391



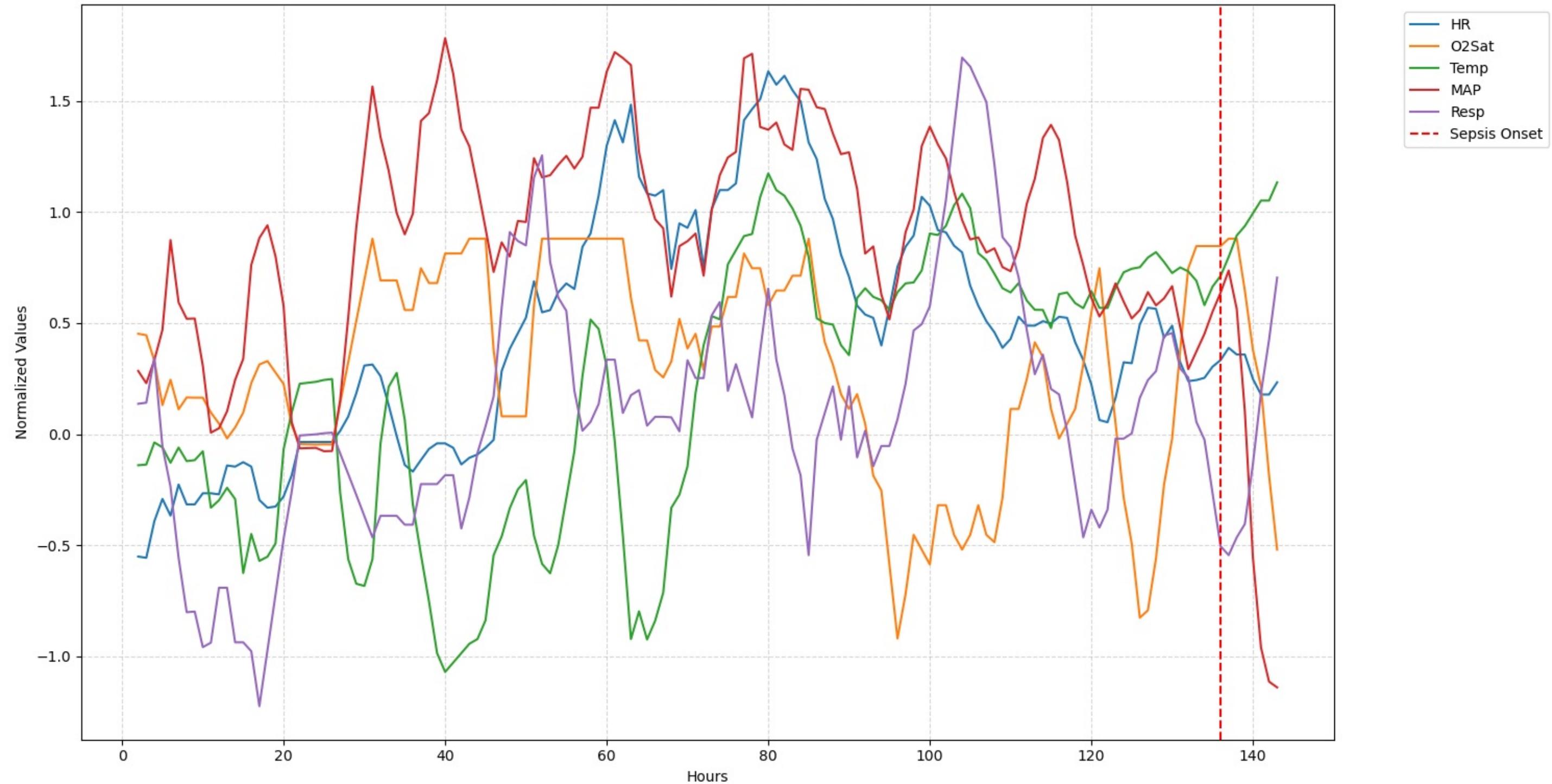
Temporal Progression - Patient 14518



Temporal Progression - Patient 16421



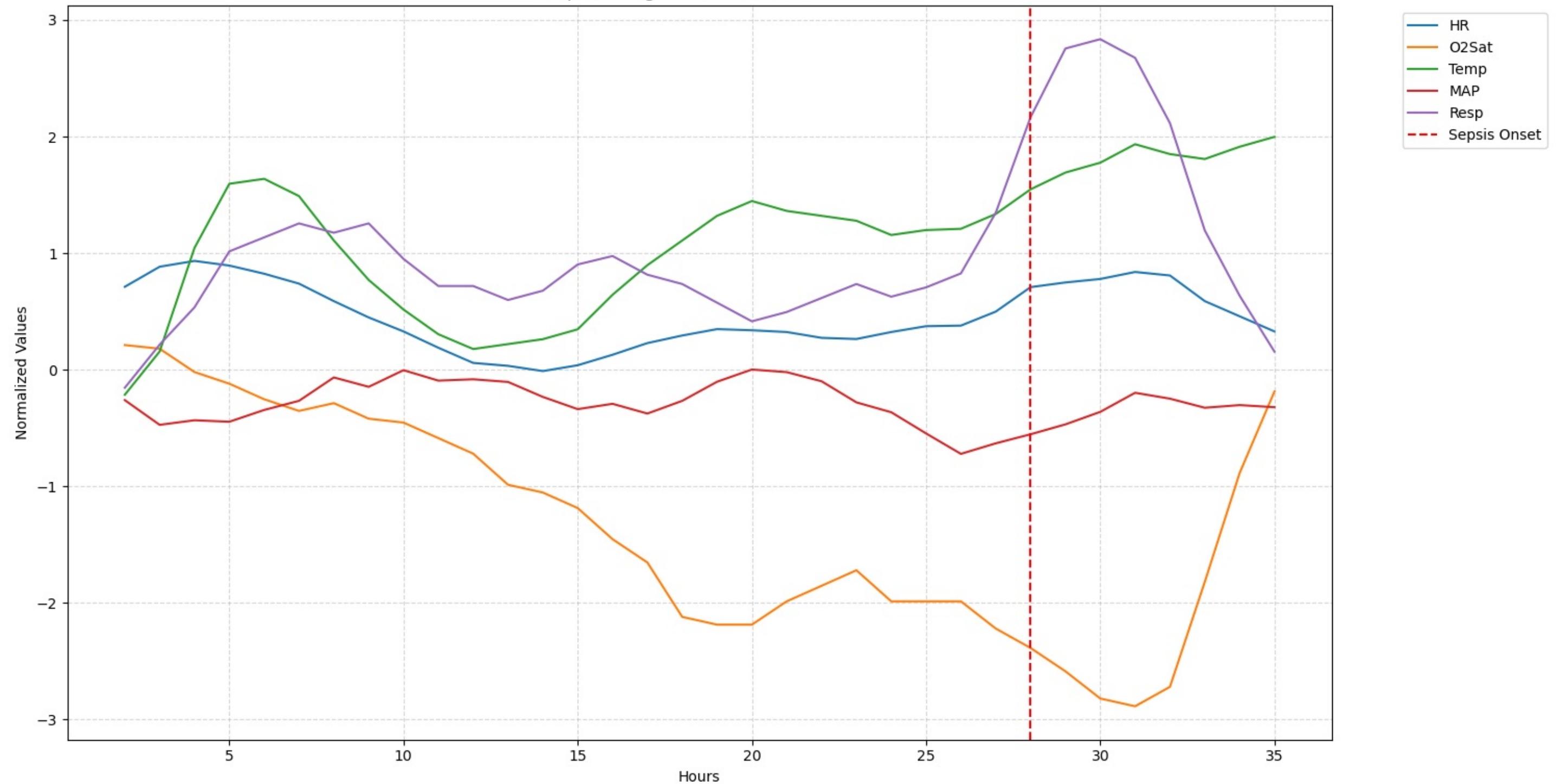
Temporal Progression - Patient 107362



Temporal Progression - Patient 111920



Temporal Progression - Patient 113526



Temporal Progression - Patient 113787

