

Additional File 1. Model Specification for LASSO & Random Forest Models

- Additional File 1
 - File format: PDF
 - File title: Model Specification for LASSO and Random Forest Models
 - File description: Details on methods

Random Forest Machine Learning Model & Feature Selection Information	
Number of drawn candidate variables in each split	14.31 (ER), 16.94 (IP), 17.43 (HosExp)
Sample size of observations	3,153 (ER), 3,174 (IP & HosExp)
Whether observations were drawn with replacement	TRUE
Node size	5
Number of trees	500
Splitting rule	Minimize SSE
R packaged utilized	Random Forest & sl3
LASSO Feature Selection Information	
Alpha	1
Lambda	Lambda minimum
R package utilized	glmnet
Regularized Machine Learning Model Information	
Alpha	1 (Tuned)
Lambda	Lambda minimum
R packaged utilized	Glmnet, Sl3

ER= emergency room visits

IP= inpatient days

HosExp = hospital expenditures

Default hyperparameters were utilized