

Relevant categories of features (57 total) selected using logistic regression and backward feature elimination

Categories	Features
Administrative	Discharge destination: Charlestown Community Inc (SNF MD ONLY)
	Discharge destination: Ellicott City Health & Rehabilitation Center (SNF MD ONLY)
	Discharge destination Future Care Pineview (SNF MD ONLY)
	Discharge destination other Maryland skilled nursing facility (SNF MD ONLY)
	Discharge disposition: Intermediate Care Facility
	Discharge disposition: nursing facility
	Discharge disposition: rehab unit - other acute hospitals
	Insurance
	Number of index diagnose
	ZIP 21044
	Count of prior hospital visits
Alanine transaminase	Average absolute change ALT (Units/L)
	Average of last 3 ALT (Units/L)
	Maximal ALT (Units/L)
Aspartate transaminase	Average absolute change AST (Units/L)
	Average AST (Units/L)
	First minus last AST (Units/L)
	Minimal AST (Units/L)
Peripheral capillary oxygen saturation	Average of last 3 SPO2
	Number of measurement SPO2
Sodium	Average absolute change sodium (mmol/L)
	Average sodium (mmol/L)

	Minimal sodium (mmol/L)
	Normalized location of minimal sodium (mmol/L)
	Number of measurement sodium (mmol/L)
Creatinine	First minus last creatinine (mg/dL)
Blood urea nitrogen	First minus last BUN (mg/dL)
PROBNP	Normalized location of maximal PROBNP (pg/mL)
	Number of measurement PROBNP (pg/mL)
Hemoglobin	First minus last hemoglobin (gm/dL)
	Normalized location of maximal hemoglobin (gm/dL)
Systolic blood pressure	Average absolute change systolic blood pressure
	Average of last 3 systolic blood pressure
	Average systolic blood pressure
	Maximal systolic blood pressure
	Standard deviation of systolic blood pressure
Diastolic blood pressure	Average of last 3 diastolic blood pressure
	First minus last diastolic blood pressure
	Maximal diastolic blood pressure
	Normalized location of maximal diastolic blood pressure
	Number of measurement diastolic blood pressure
	Standard deviation of diastolic blood pressure
Potassium	Average absolute change potassium (mmol/L)
	Average potassium (mmol/L)
	Normalized location of minimal potassium (mmol/L)
Respiratory rate	Normalized location of minimal respiratory rate
Weight	Average weight
	First minus last weight
	Maximal weight
	Minimal weight
	Number of measurement weight

Medication order	Number of medication order: antihypertensives, angiotensin receptor antagonist
	Number of medication order: digitalis glycosides
Procedure	Number of procedure: BIPAP
	Number of procedure: hemodialysis
	Number of procedure: mechanical ventilation
	Number of procedure: patient may use own CPAP