

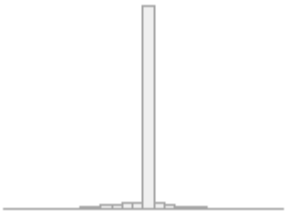
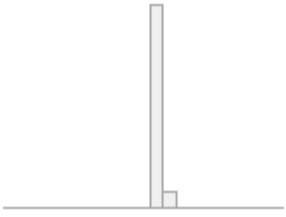
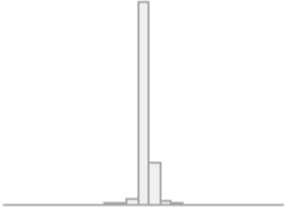
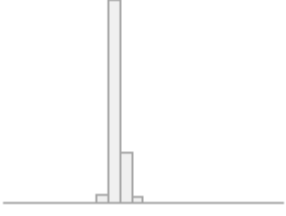
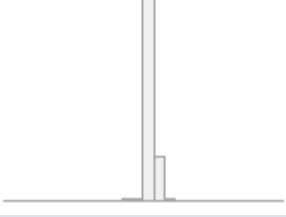
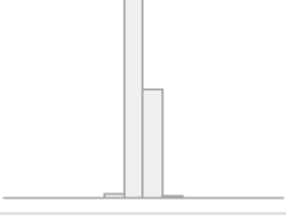
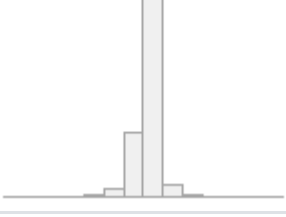

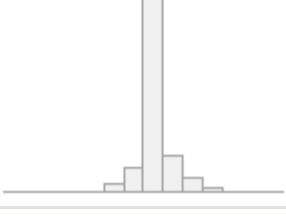
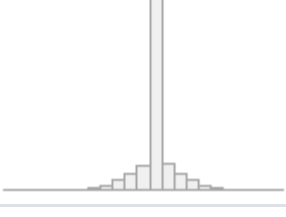

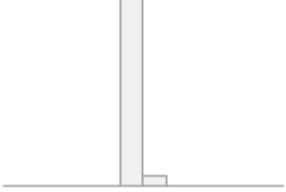
Data Frame Summary


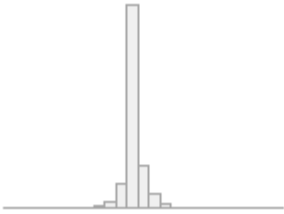
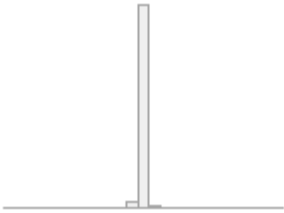
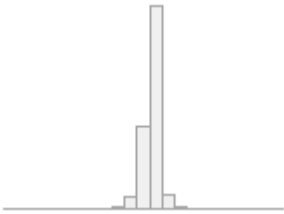
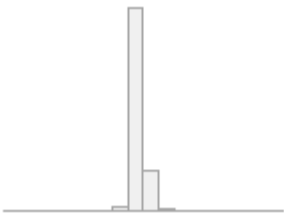
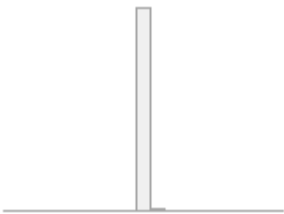
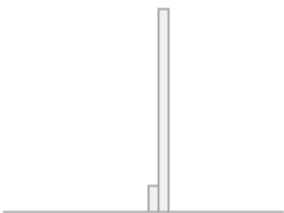

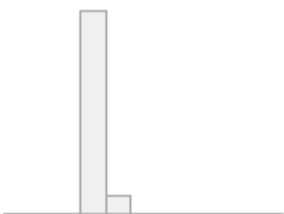
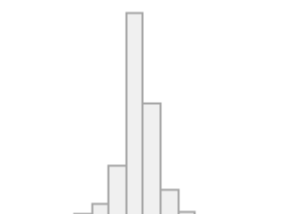
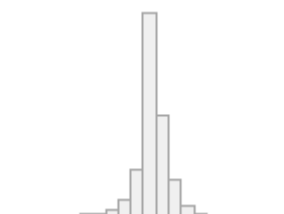
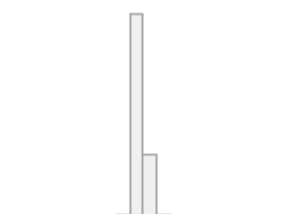
final_df_selected

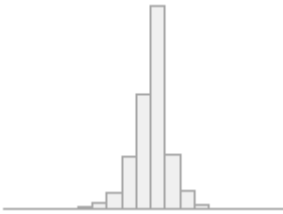
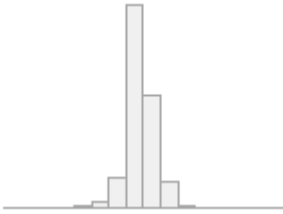
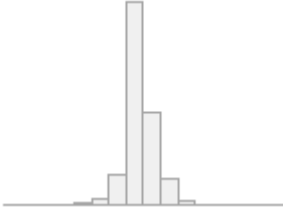
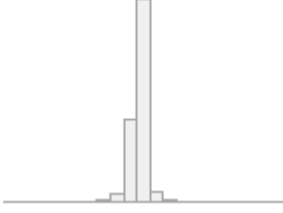


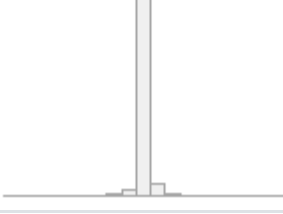
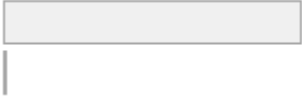
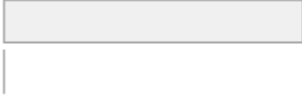
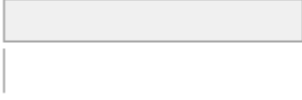



Dimensions: 200380 x 57

Duplicates: 0

No	Variable	Stats / Values	Freqs (% of Valid)	Graph	Valid	Missing
1	patientunitstayid [integer]	<div>Mean (sd) : 1673611 (999489.7)</div> <div>min ≤ med ≤ max: 141168 ≤ 1579009 ≤ 3353263</div> <div>IQR (CV) : 1864561 (0.6)</div>	200380 distinct values		200380 (100.0%)	0 (0.0%)
2	age [numeric]	<div>Mean (sd) : 63.2 (17.1)</div> <div>min ≤ med ≤ max: 17 ≤ 65 ≤ 90</div> <div>IQR (CV) : 23 (0.3)</div>	74 distinct values		200380 (100.0%)	0 (0.0%)
3	gender [factor]	<div>1. male</div> <div>2. female</div> <div>3. Unknown</div>	<div>108228 (54.0%)</div> <div>92152 (46.0%)</div> <div>0 (0.0%)</div>		200380 (100.0%)	0 (0.0%)
4	icu_mortality_72hrs [character]	<div>1. Alived</div> <div>2. Expired</div>	<div>197730 (98.7%)</div> <div>2650 (1.3%)</div>		200380 (100.0%)	0 (0.0%)
5	apachescoreIV [integer]	<div>Mean (sd) : 53.8 (22.5)</div> <div>min ≤ med ≤ max: -1 ≤ 51 ≤ 211</div> <div>IQR (CV) : 19 (0.4)</div>	200 distinct values		200380 (100.0%)	0 (0.0%)
6	apachedxgroup [character]	<div>1. Other</div> <div>2. Sepsis</div> <div>3. CardiacArrest</div> <div>4. CVA</div> <div>5. RespMedOther</div> <div>6. ACS</div> <div>7. GIBleed</div> <div>8. CHF</div> <div>9. Trauma</div> <div>10. PNA</div> <div>[11 others]</div>	<div>56016 (28.0%)</div> <div>23124 (11.5%)</div> <div>12405 (6.2%)</div> <div>12245 (6.1%)</div> <div>11341 (5.7%)</div> <div>10566 (5.3%)</div> <div>9415 (4.7%)</div> <div>7744 (3.9%)</div> <div>7104 (3.5%)</div> <div>6239 (3.1%)</div> <div>44181 (22.0%)</div>		200380 (100.0%)	0 (0.0%)
7	prev_dept_los [integer]	<div>Mean (sd) : -2364.2 (7410.8)</div> <div>min ≤ med ≤ max: -1054551 ≤ -304 ≤ 388370</div> <div>IQR (CV) : 1507 (-3.1)</div>	19565 distinct values		200380 (100.0%)	0 (0.0%)
8	prev_dept [character]	<div>1. Emergency Department</div> <div>2. (Empty string)</div> <div>3. Operating Room</div> <div>4. Floor</div> <div>5. Direct Admit</div> <div>6. Recovery Room</div> <div>7. Other Hospital</div> <div>8. Acute Care/Floor</div> <div>9. Step-Down Unit (SDU)</div> <div>10. PACU</div> <div>[6 others]</div>	<div>82249 (41.0%)</div> <div>49307 (24.6%)</div> <div>19353 (9.7%)</div> <div>18103 (9.0%)</div> <div>12347 (6.2%)</div> <div>6615 (3.3%)</div> <div>3824 (1.9%)</div> <div>3682 (1.8%)</div> <div>2413 (1.2%)</div> <div>1561 (0.8%)</div> <div>926 (0.5%)</div>		200380 (100.0%)	0 (0.0%)

No	Variable	Stats / Values	Freqs (% of Valid)	Graph	Valid	Missing
9	albumin [numeric]	<div>Mean (sd) : -0.1 (0.3)</div> <div>min ≤ med ≤ max: -2.7 ≤ -0.1 ≤ 2.3</div> <div>IQR (CV) : 0 (-2.8)</div>	70 distinct values		200380 (100.0%)	0 (0.0%)
10	bilirubin [numeric]	<div>Mean (sd) : 0 (0.9)</div> <div>min ≤ med ≤ max: -57.4 ≤ 0 ≤ 43</div> <div>IQR (CV) : 0 (-67.8)</div>	666 distinct values		200380 (100.0%)	0 (0.0%)
11	BUN [numeric]	<div>Mean (sd) : -2.3 (13.1)</div> <div>min ≤ med ≤ max: -258 ≤ -2 ≤ 229</div> <div>IQR (CV) : 2 (-5.7)</div>	688 distinct values		200380 (100.0%)	0 (0.0%)
12	calcium [numeric]	<div>Mean (sd) : 0 (0.5)</div> <div>min ≤ med ≤ max: -9.6 ≤ 0 ≤ 13.8</div> <div>IQR (CV) : 0 (54.1)</div>	158 distinct values		200380 (100.0%)	0 (0.0%)
13	creatinine [numeric]	<div>Mean (sd) : -0.1 (1)</div> <div>min ≤ med ≤ max: -26.5 ≤ 0 ≤ 22.8</div> <div>IQR (CV) : 0 (-11.3)</div>	2217 distinct values		200380 (100.0%)	0 (0.0%)
14	glucose [numeric]	<div>Mean (sd) : -9.5 (70)</div> <div>min ≤ med ≤ max: -1303 ≤ -5 ≤ 1371</div> <div>IQR (CV) : 38 (-7.3)</div>	1153 distinct values		200380 (100.0%)	0 (0.0%)
15	bicarbonate [numeric]	<div>Mean (sd) : 1 (3)</div> <div>min ≤ med ≤ max: -31 ≤ 1 ≤ 34.5</div> <div>IQR (CV) : 1 (3.1)</div>	314 distinct values		200380 (100.0%)	0 (0.0%)
16	TotalCO2 [numeric]	<div>Mean (sd) : 0 (2.3)</div> <div>min ≤ med ≤ max: -80.8 ≤ 0 ≤ 85.4</div> <div>IQR (CV) : 0 (-56.6)</div>	649 distinct values		200380 (100.0%)	0 (0.0%)
17	hematocrit [numeric]	<div>Mean (sd) : -1.1 (3.9)</div> <div>min ≤ med ≤ max: -39.9 ≤ -1.2 ≤ 26.3</div> <div>IQR (CV) : 1.2 (-3.6)</div>	592 distinct values		200380 (100.0%)	0 (0.0%)
18	hemoglobin [numeric]	<div>Mean (sd) : -0.4 (1.4)</div> <div>min ≤ med ≤ max: -12.6 ≤ -0.4 ≤ 9.4</div> <div>IQR (CV) : 0.4 (-3.4)</div>	392 distinct values		200380 (100.0%)	0 (0.0%)
19	INR [numeric]	<div>Mean (sd) : 0.1 (0.4)</div> <div>min ≤ med ≤ max: -13.1 ≤ 0.1 ≤ 12.2</div> <div>IQR (CV) : 0 (5.2)</div>	800 distinct values		200380 (100.0%)	0 (0.0%)
20	lactate [numeric]	<div>Mean (sd) : -0.2 (1)</div> <div>min ≤ med ≤ max: -27.4 ≤ -0.2 ≤ 27.8</div> <div>IQR (CV) : 0 (-4.2)</div>	876 distinct values		200380 (100.0%)	0 (0.0%)

No	Variable	Stats / Values	Freqs (% of Valid)	Graph	Valid	Missing
21	platelets [numeric]	<div>Mean (sd) : -6.8 (55.5)</div> <div>min ≤ med ≤ max: -1469 ≤ -6 ≤ 1518</div> <div>IQR (CV) : 5 (-8.2)</div>	997 distinct values		200380 (100.0%)	0 (0.0%)
22	potassium [numeric]	<div>Mean (sd) : 0 (0.5)</div> <div>min ≤ med ≤ max: -5.7 ≤ 0 ≤ 6.3</div> <div>IQR (CV) : 0.1 (-11.2)</div>	214 distinct values		200380 (100.0%)	0 (0.0%)
23	ptt [numeric]	<div>Mean (sd) : 5.4 (8.8)</div> <div>min ≤ med ≤ max: -224.4 ≤ 5.7 ≤ 252.9</div> <div>IQR (CV) : 0 (1.6)</div>	1817 distinct values		200380 (100.0%)	0 (0.0%)
24	sodium [numeric]	<div>Mean (sd) : 0.8 (3.3)</div> <div>min ≤ med ≤ max: -56 ≤ 1 ≤ 53</div> <div>IQR (CV) : 1 (4.2)</div>	160 distinct values		200380 (100.0%)	0 (0.0%)
25	wbc [numeric]	<div>Mean (sd) : -0.9 (4.1)</div> <div>min ≤ med ≤ max: -82 ≤ -0.8 ≤ 89.2</div> <div>IQR (CV) : 0.5 (-4.4)</div>	3774 distinct values		200380 (100.0%)	0 (0.0%)
26	bands [numeric]	<div>Mean (sd) : -2 (2.4)</div> <div>min ≤ med ≤ max: -91 ≤ -2 ≤ 89.6</div> <div>IQR (CV) : 0 (-1.2)</div>	311 distinct values		200380 (100.0%)	0 (0.0%)
27	alt [numeric]	<div>Mean (sd) : 1.1 (170.3)</div> <div>min ≤ med ≤ max: -14173 ≤ 1 ≤ 11724</div> <div>IQR (CV) : 0 (151.4)</div>	1703 distinct values		200380 (100.0%)	0 (0.0%)
28	ast [numeric]	<div>Mean (sd) : -1.5 (372.2)</div> <div>min ≤ med ≤ max: -26841 ≤ 0 ≤ 93371</div> <div>IQR (CV) : 0 (-251.3)</div>	1958 distinct values		200380 (100.0%)	0 (0.0%)
29	alp [numeric]	<div>Mean (sd) : -2.6 (37.3)</div> <div>min ≤ med ≤ max: -1996 ≤ -2 ≤ 3500</div> <div>IQR (CV) : 0 (-14.1)</div>	938 distinct values		200380 (100.0%)	0 (0.0%)
30	heartrate [numeric]	<div>Mean (sd) : -4 (18.3)</div> <div>min ≤ med ≤ max: -146 ≤ -4 ≤ 147</div> <div>IQR (CV) : 19 (-4.6)</div>	245 distinct values		200380 (100.0%)	0 (0.0%)
31	respiratoryrate [numeric]	<div>Mean (sd) : -0.5 (6.2)</div> <div>min ≤ med ≤ max: -59 ≤ -1 ≤ 50</div> <div>IQR (CV) : 5 (-11.4)</div>	103 distinct values		200380 (100.0%)	0 (0.0%)
32	spo2 [numeric]	<div>Mean (sd) : -0.9 (5.3)</div> <div>min ≤ med ≤ max: -100 ≤ -1 ≤ 98</div> <div>IQR (CV) : 2 (-6)</div>	190 distinct values		200380 (100.0%)	0 (0.0%)

No	Variable	Stats / Values	Freqs (% of Valid)	Graph	Valid	Missing
33	nibp_systolic [numeric]	Mean (sd) : 0.5 (23.4) min ≤ med ≤ max: -185 ≤ 1 ≤ 162 IQR (CV) : 23 (42.6)	271 distinct values		200380 (100.0%)	0 (0.0%)
34	nibp_diastolic [numeric]	Mean (sd) : -0.7 (15.7) min ≤ med ≤ max: -160 ≤ 0 ≤ 148 IQR (CV) : 15 (-22.8)	238 distinct values		200380 (100.0%)	0 (0.0%)
35	nibp_mean [numeric]	Mean (sd) : -1.2 (16.5) min ≤ med ≤ max: -156 ≤ -1 ≤ 149 IQR (CV) : 13 (-14.2)	268 distinct values		200380 (100.0%)	0 (0.0%)
36	temperature [numeric]	Mean (sd) : 0.1 (0.6) min ≤ med ≤ max: -10 ≤ 0.1 ≤ 10.2 IQR (CV) : 0.2 (5.6)	960 distinct values		200380 (100.0%)	0 (0.0%)
37	ibp_systolic [numeric]	Mean (sd) : -5.2 (11.2) min ≤ med ≤ max: -187 ≤ -5 ≤ 211 IQR (CV) : 0 (-2.1)	274 distinct values		200380 (100.0%)	0 (0.0%)
38	ibp_diastolic [numeric]	Mean (sd) : -2.1 (6) min ≤ med ≤ max: -122 ≤ -2 ≤ 130 IQR (CV) : 0 (-2.8)	186 distinct values		200380 (100.0%)	0 (0.0%)
39	ibp_mean [numeric]	Mean (sd) : -4.2 (8.7) min ≤ med ≤ max: -182 ≤ -4 ≤ 166 IQR (CV) : 0 (-2.1)	337 distinct values		200380 (100.0%)	0 (0.0%)
40	norepinephrine_first [numeric]	Min : 0 Mean : 0 Max : 1	0 : 198552 (99.1%) 1 : 1828 (0.9%)		200380 (100.0%)	0 (0.0%)
41	norepinephrine_last [numeric]	Min : 0 Mean : 0 Max : 1	0 : 199971 (99.8%) 1 : 409 (0.2%)		200380 (100.0%)	0 (0.0%)
42	epinephrine_first [numeric]	Min : 0 Mean : 0 Max : 1	0 : 200043 (99.8%) 1 : 337 (0.2%)		200380 (100.0%)	0 (0.0%)
43	epinephrine_last [numeric]	Min : 0 Mean : 0 Max : 1	0 : 200196 (99.9%) 1 : 184 (0.1%)		200380 (100.0%)	0 (0.0%)
44	dopamine_first [numeric]	Min : 0 Mean : 0 Max : 1	0 : 199985 (99.8%) 1 : 395 (0.2%)		200380 (100.0%)	0 (0.0%)
45	dopamine_last [numeric]	Min : 0 Mean : 0 Max : 1	0 : 200278 (99.9%) 1 : 102 (0.1%)		200380 (100.0%)	0 (0.0%)

No	Variable	Stats / Values	Freqs (% of Valid)	Graph	Valid	Missing
46	dobutamine_first [numeric]	Min : 0 Mean : 0 Max : 1	0 : 200241 (99.9%) 1 : 139 (0.1%)		200380 (100.0%)	0 (0.0%)
47	dobutamine_last [numeric]	Min : 0 Mean : 0 Max : 1	0 : 200310 (100.0%) 1 : 70 (0.0%)		200380 (100.0%)	0 (0.0%)
48	phenylephrine_first [numeric]	Min : 0 Mean : 0 Max : 1	0 : 199874 (99.7%) 1 : 506 (0.3%)		200380 (100.0%)	0 (0.0%)
49	phenylephrine_last [numeric]	Min : 0 Mean : 0 Max : 1	0 : 200174 (99.9%) 1 : 206 (0.1%)		200380 (100.0%)	0 (0.0%)
50	vasopressin_first [numeric]	Min : 0 Mean : 0 Max : 1	0 : 200162 (99.9%) 1 : 218 (0.1%)		200380 (100.0%)	0 (0.0%)
51	vasopressin_last [numeric]	Min : 0 Mean : 0 Max : 1	0 : 200284 (100.0%) 1 : 96 (0.0%)		200380 (100.0%)	0 (0.0%)
52	milrinone_first [numeric]	Min : 0 Mean : 0 Max : 1	0 : 200278 (99.9%) 1 : 102 (0.1%)		200380 (100.0%)	0 (0.0%)
53	milrinone_last [numeric]	Min : 0 Mean : 0 Max : 1	0 : 200356 (100.0%) 1 : 24 (0.0%)		200380 (100.0%)	0 (0.0%)
54	heparin_first [numeric]	Min : 0 Mean : 0 Max : 1	0 : 197492 (98.6%) 1 : 2888 (1.4%)		200380 (100.0%)	0 (0.0%)
55	heparin_last [numeric]	Min : 0 Mean : 0 Max : 1	0 : 197702 (98.7%) 1 : 2678 (1.3%)		200380 (100.0%)	0 (0.0%)
56	warfarin_first [numeric]	Min : 0 Mean : 0 Max : 1	0 : 199688 (99.7%) 1 : 692 (0.3%)		200380 (100.0%)	0 (0.0%)
57	warfarin_last [numeric]	Min : 0 Mean : 0 Max : 1	0 : 197599 (98.6%) 1 : 2781 (1.4%)		200380 (100.0%)	0 (0.0%)