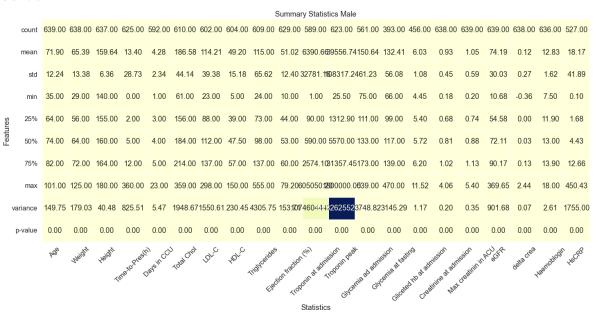
Cohort 1 - Results

Descriptive data

Gender

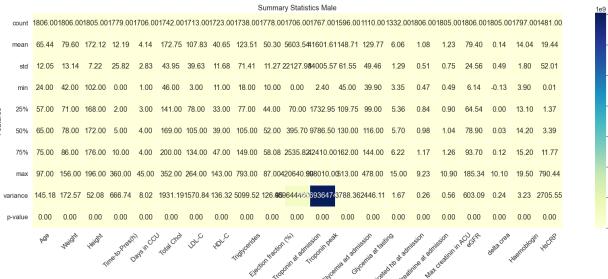


1.0

0.6

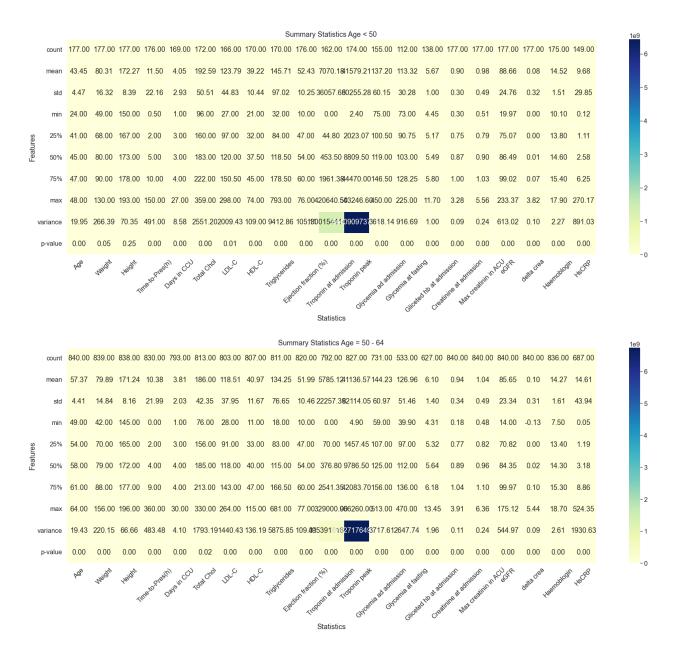
- 0.4

-0.2



Statistics

Age groups

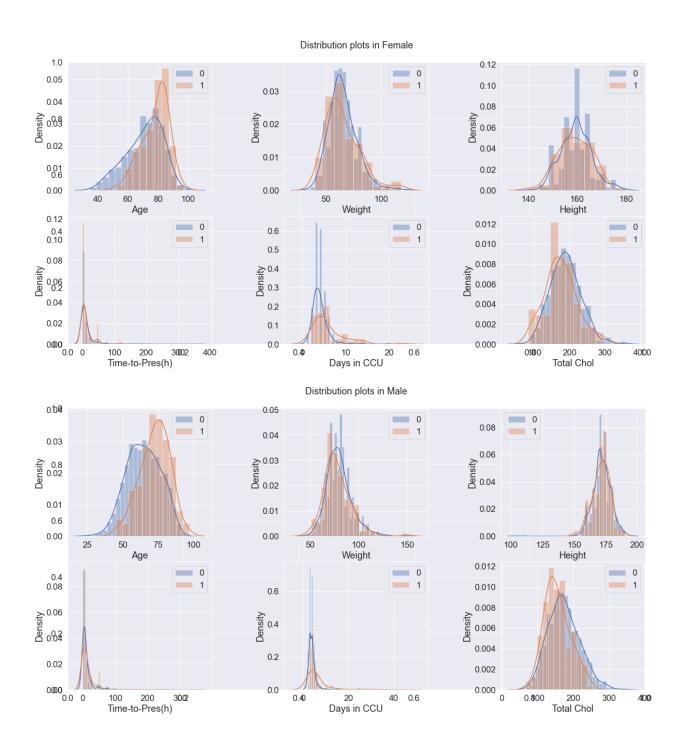


Summary Statistics Age = 65 - 79 count 840.00 839.00 838.00 830.00 793.00 813.00 803.00 807.00 811.00 820.00 792.00 827.00 731.00 533.00 627.00 840.00 840.00 840.00 840.00 840.00 867.00 mean 57.37 79.89 171.24 10.38 3.81 186.00 118.51 40.97 134.25 51.99 5785.1241136.57144.23 126.96 6.10 0.94 1.04 85.65 0.10 14.27 14.61 441 1484 816 21.99 2.03 42.35 37.95 11.67 76.65 10.46.22257.382114.05.60.97 51.46 1.40 0.34 0.49 23.34 0.31 1.61 43.94 49.00 42.00 145.00 0.00 1.00 76.00 28.00 11.00 18.00 10.00 0.00 4.90 59.00 39.90 4.31 0.18 0.48 14 00 -0 13 7.50 0.05 25% 54.00 70.00 165.00 2.00 3.00 156.00 91.00 33.00 83.00 47.00 70.00 1457.45 107.00 97.00 5.32 0.77 0.82 70.82 0.00 13.40 1.19 50% 58.00 79.00 172.00 4.00 4.00 185.00 118.00 40.00 115.00 54.00 376.80 9786.50 125.00 112.00 5.64 0.89 0.96 84.35 0.02 14.30 3.18 75% 61.00 88.00 177.00 9.00 4.00 213.00 143.00 47.00 166.50 60.00 2541.3542083.70156.00 136.00 6.18 99.97 0.10 15.30 8.86 1.10 64.00 156.00 196.00 360.00 30.00 30.00 264.00 115.00 681.00 77.00329000.966260.00513.00 470.00 13.45 3.91 6.36 175.12 5.44 19.43 220.15 66.66 483.48 4.10 1793.191440.43 136.19 5875.85 109.**3**95391 16<mark>271764</mark>9717.612647.74 1.96 0.11 0.24 544.97 0.09 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Statistics Summary Statistics Age > 80 count 840.00 839.00 838.00 830.00 793.00 813.00 803.00 807.00 811.00 820.00 792.00 827.00 731.00 533.00 627.00 840.00 840.00 840.00 840.00 840.00 836.00 687.00 mean 57.37 79.89 171.24 10.38 3.81 186.00 118.51 40.97 134.25 51.99 5785.1241136.57144.23 126.96 6.10 0.94 1.04 85.65 0.10 14.27 14.61 4.41 14.84 8.16 21.99 2.03 42.35 37.95 11.67 76.65 10.46 22257.3**8**2114.05 60.97 51.46 1.40 49.00 42.00 145.00 0.00 1.00 76.00 28.00 11.00 18.00 10.00 0.00 4.90 59.00 39.90 4.31 25% 54.00 70.00 165.00 2.00 3.00 156.00 91.00 33.00 83.00 47.00 70.00 1457.45 107.00 97.00 5.32 0.82 70.82 0.00 13.40 58.00 79.00 172.00 4.00 4.00 185.00 118.00 40.00 115.00 54.00 376.80 9786.50 125.00 112.00 5.64 50% 0.89 0.96 84.35 0.02 14.30 75% 61.00 88.00 177.00 9.00 4.00 213.00 143.00 47.00 166.50 60.00 2541.3542083.70156.00 136.00 6.18 1.04 1.10 99.97 0.10 15.30 8.86 max 64.00 156.00 196.00 360.00 30.00 30.00 330.00 264.00 115.00 681.00 77.00329000.966260.00513.00 470.00 13.45 3.91 6.36 175.12 5.44 18.70 524.35 19.43 220.15 66.66 483.48 4.10 1793.191440.43 136.19 5875.85 109.8955391 1627176453717.612647.74 1.96 0.11 0.24 544.97 0.09 2.61 1930.63 0.00 0.00 0.00 0.00 0.00

Numerical features

Distribution plots:

Gender



Age groups

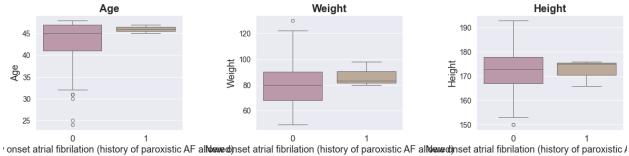
Box plots

Gender

Figure 1: Female population

Figure 2: Male population

Age group



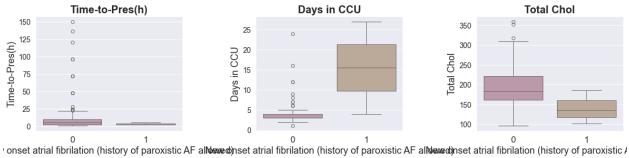


Figure 3: Age < 50

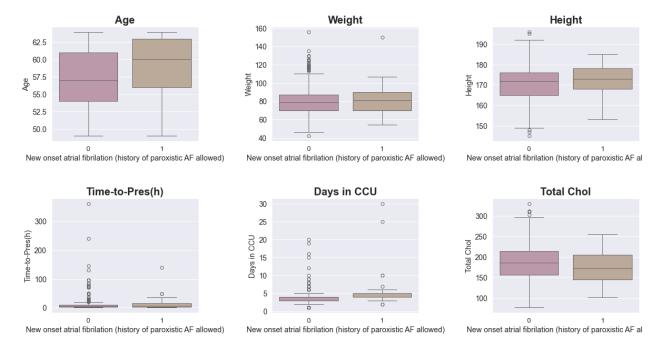
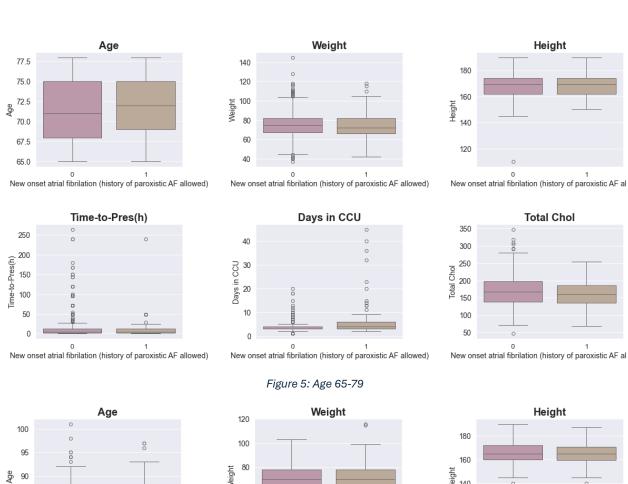
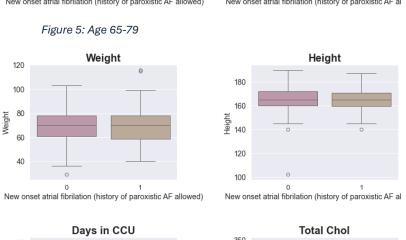
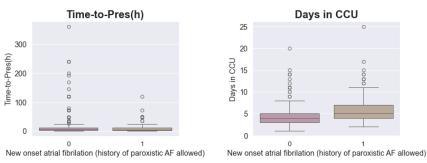


Figure 4: Age - 50-64







85

80

0 1
New onset atrial fibrilation (history of paroxistic AF allowed)

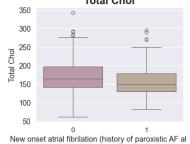


Figure 6: Age >=80

Correlation

Gender

Age group

Categorical Features:

Gender



Figure 7: Female



Figure 8: Male

Age groups



Figure 9: Age < 50



Figure 10: Age - 50-64



Figure 11: Age - 65-79



Figure 12 - Age > 80

Statistical test results (chi2 test)

results_female - DataFrame

0	AKI stage	12.8313	0.00163579
2	Acute kidney injury	6.99912	0.00815496
3	Acute pulmonary edema	52.0625	5.3761e-13
4	Age group		4.50909e-06
5	Anticoagulants at admission		5.64609e-07
6	Antidiabetics at admission	11.3649	0.0227547
11	CVVH/HD	6.92311	0.00850887
13	Death in CCU	4.77155	0.0289337
15	FV/TV		0.0226283
18	Hyperglicemia (history of)	12.3914	0.000431323
19	Hypertension (history of)	9.10541	0.00254854
27	RMN performed	8.17288	0.00425214
33	Tienopiridins at discharge from ACU	11.5774	0.0207869
35	VAM		9.63423e-06
36	coronary angiography	4.94063	0.0262324
39	shock(IABP/ECMO)		6.08184e-05
40	trasfusions		0.0178888

₹ results male - DataFrame

Index			
0	AKI stage		1.982e-18
1	AV Block/Pacemaker		0.00709191
2	Acute kidney injury		3.15584e-16
3	Acute pulmonary edema	94.4398	2.52658e-22
4	Age group		3.73404e-12
5	Anticoagulants at admission		2.58822e-08
6	Antidiabetics at admission		0.00391118
9	Beta blockers at admission		0.0283623
11	CVVH/HD	49.2436	2.26075e-12
12	DEXDOR		0.00199818
13	Death in CCU		0.000165635
15	FV/TV		0.00329586
18	Hyperglicemia (history of)		0.00410363
19	Hypertension (history of)		7.24474e-05
20	N vessels treated		0.000703688
22	Previous AMI		0.0476779
23	Previous CABG		0.0381495
25	RAAS inh. at admission		0.00589202
28	Smoking (history of)	9.16678	0.0102202

results_male - DataFrame

			P-value
11	CVVH/HD		2.26075e-12
12	DEXDOR	9.5512	0.00199818
13	Death in CCU	14.1856	0.000165635
15	FV/TV	8.63599	0.00329586
18	Hyperglicemia (history of)	8.23738	0.00410363
19	Hypertension (history of)		7.24474e-05
20	N vessels treated	19.2442	0.000703688
22	Previous AMI	3.9213	0.0476779
23	Previous CABG		0.0381495
25	RAAS inh. at admission		0.00589202
28	Smoking (history of)	9.16678	0.0102202
31	Therapy of ACS		2.24473e-09
33	Tienopiridins at discharge from ACU	10.6897	0.0302818
35	VAM		1.24206e-08
36	coronary angiography		1.3093e-06
37	culprit		0.00509799
38	levosimendan	12.8575	0.000336121
39	shock(IABP/ECMO)	31.6544	1.84198e-08
40	trasfusions	45.428	1.58352e-11

results_age1 - DataFrame

Index	Variable	Chi2	P-value
0	AKI stage	13.3565	0.00125798
13	Death in CCU	14.0839	0.000174836
15	FV/TV	4.24433	0.0393817
19	Hypertension (history of)	4.0167	0.0450517
37	culprit	32.6903	1.20273e-05
40	trasfusions	6.5939	0.0102329

results_age2 - DataFrame

				S	results_age	e3 - DataFrame
Index	Variable	Chi2	P-value	,		Y
0	AKI stage	6.63839	0.0361819		Index	Variable
3	Acute pulmonary edema	24.1641	8.84672e-07		0	AKI stage
 5	Anticoagulants at admission	10.3672	0.00128277		2	Acute kidney injury
12	DEXDOR	4.02904	0.0447235		3	Acute pulmonary edema
					5	Anticoagulants at adm
13	Death in CCU	4.67037	0.0306874		11	CVVH/HD
15	FV/TV	5.7179	0.0167928		15	FV/TV
25	RAAS inh. at admission	7.81568	0.00517948		31	Therapy of ACS
31	Therapy of ACS	11.7075	0.0196645		35	VAM
35	VAM	6.78011	0.00921792		36	coronary angiography
38	levosimendan	18.7372	1.50028e-05		39	shock(IABP/ECMO)
39	shock(IABP/ECMO)	31.726	1.77529e-08		40	trasfusions

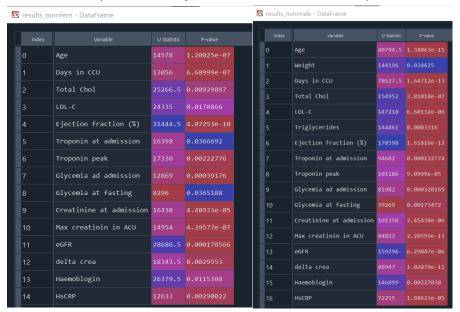
0	AKI stage	25.6596	2.67971e-06
2	Acute kidney injury	15.0794	0.000103083
3	Acute pulmonary edema	25.8836	3.62637e-07
5	Anticoagulants at admission	10.7382	0.00465827
11	CVVH/HD	42.0542	8.87774e-11
15	FV/TV	5.04087	0.024756
31	Therapy of ACS	14.5983	0.00561118
25	1/014	44 4030	0.000465704

8.44493 0.00366062

results_age4 - DataFrame

Index	Variable	Chi2	P-value
0	AKI stage	19.8878	4.80189e-05
1	AV Block/Pacemaker	9.28871	0.0023057
2	Acute kidney injury	15.7625	7.18108e-05
3	Acute pulmonary edema	46.4123	9.58098e-12
5	Anticoagulants at admission	23.3307	8.58605e-06
13	Death in CCU	7.42789	0.00642205
14	ECG	11.2547	0.0465571
15	FV/TV	5.4377	0.0197066
19	Hypertension (history of)	5.72032	0.0167696
26	RAAS inh. at discharge from ACU	5.70599	0.0169071
34	Type ACS	10.9244	0.000949042
35	VAM	14.914	0.000112527
38	levosimendan	8.88636	0.00287309
39	shock(IABP/ECMO)	8.87005	0.00289887
40	trasfusions	5.1592	0.0231236

Statistical test (mann whitney u test – all non-normal data)



results_numage1 - DataFrame



results_numage2 - DataFrame

Index	Variable	U Statistic	P-value	
0	Age	11446	0.00931671	
1	Days in CCU		0.000102093	
2	Ejection fraction (%)	20769.5	3.32104e-05	
3	Troponin at admission	10580.5	0.0126825	
4	Troponin peak	9867.5	0.000368303	
5	Glycemia ad admission	7604	0.000963678	
6	Max creatinin in ACU	11453	0.00960145	
7	delta crea	11893.5	0.0165087	

results_numage3 - DataFrame

		Index	Variable	U Statistic	P-value	
		0	Days in CCU	28997.5	0.000197645	
t		1	Triglycerides	44058	0.0187289	
a		2	Ejection fraction (%)	49176.5	0.000132088	
L		3	Troponin at admission	27482	0.000750001	
		4	Max creatinin in ACU	32806.5	0.00138244	
		5	delta crea	31793	0.00018172	
		6	HsCRP	23469	0.00498509	
a						