

Executive Report

Patients Demographic

All of the demographic variables are based on [this](#). The age category is based on [this](#). The ethnicity category is based on [ONS Census 2021](#). Language is shown related to the assumption of quality of care possibly affecting [the hospital treatment](#). Insurance data will be important to describe the social economy status. This variable is categorized into English and Non-English because of the lack of proportion of non-English language among patients.

There are 45 patients in ODK, do not match with the MIMIC databases. The non-matching patients are kept and transformed them to ‘Unknown’.

Figure 1: Demographics and Vaccine Status (1)

	Overall
	(N=3408)
Gender	
Female	1,592 (46.7%)
Male	1,816 (53.3%)
Age Group	
0-17	133 (3.9%)
18-44	105 (3.1%)
45-64	518 (15.2%)
65-74	1,055 (31.0%)
75+	1,597 (46.9%)
Insurance	
Government	26 (0.8%)
Medicaid	108 (3.2%)
Medicare	2,614 (76.7%)
Private	604 (17.7%)
Self Pay	11 (0.3%)
Unknown	45 (1.3%)
Language	
English	1,881 (55.2%)
Non-English	329 (9.7%)
Unknown	1,198 (35.2%)

Figure 2: Demographics and Vaccine Status (2)

	Overall
	(N=3408)
Ethnicity	
Asian	81 (2.4%)
Black	260 (7.6%)
Mixed	5 (0.1%)
Others	198 (5.8%)
Unknown	356 (10.4%)
White	2,508 (73.6%)
Marital Status	
Divorced	181 (5.3%)
Life Partner	2 (0.1%)
Married	1,648 (48.4%)
Separated	27 (0.8%)
Single	517 (15.2%)
Unknown	311 (9.1%)
Widowed	722 (21.2%)
Vaccinated	
0	478 (14.0%)
1+ Doses	2,930 (86.0%)

Patient’s Hospital Stays

There are 8 patients with negative total stay times that excluded. The numbers are rounded 2 digits.

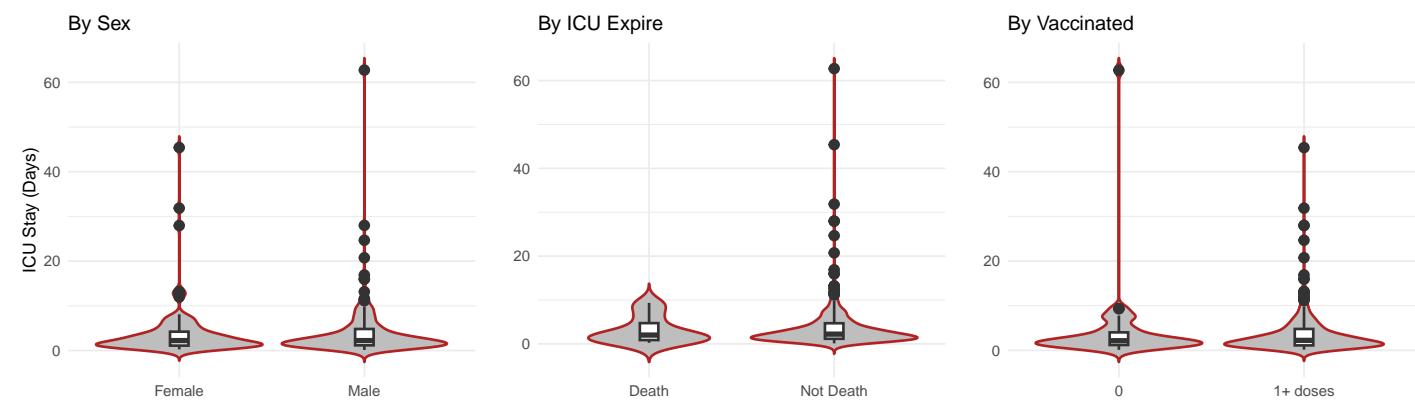
Figure 3: Total Admissions Times (Days)

Stratification	min	q25	median	q75	max
Female	0.00	4.45	7.59	12.79	164.37
Male	0.05	4.37	7.40	13.06	106.83
All Gender	0.00	4.40	7.46	12.92	164.37
0	0.05	4.75	8.15	13.55	100.49
1+ doses	0.00	4.35	7.35	12.80	164.37
All Vaccinated	0.00	4.40	7.46	12.92	164.37
60+	0.00	4.46	7.64	13.05	164.37
<60	0.05	3.75	5.98	9.76	90.27
All Age	0.00	4.40	7.46	12.92	164.37

Figure 4: Total ICU Times (Days)

Stratification	min	q25	median	q75	max
Female	0.00	1.28	2.37	4.63	74.63
Male	0.00	1.35	2.55	4.86	90.34
All Gender	0.00	1.32	2.45	4.78	90.34
0	0.10	1.36	2.61	5.16	72.71
1+ doses	0.00	1.31	2.42	4.71	90.34
All Vaccinated	0.00	1.32	2.45	4.78	90.34
60+	0.00	1.32	2.49	4.78	74.63
<60	0.01	1.29	2.22	4.47	90.34
All Age	0.00	1.32	2.45	4.78	90.34

Patient with Cardiac Devices ICU Periods



List of Expire Patients with Cardiac Devices

Id		Gender (Age)	First Careunit (Days ICU)	ICD 9	Short Title
1381		Female (81)	SICU (0.46)	2449, 25000, 41401, 42731, 42781, 433...	Atrial fibrillation, Crnry athrsl na...
3400		Female (80)	SICU (3.36)	0388, 0419, 28249, 4019, 412, 41401, ...	Ac kidney fail, tubr necr, Bacterial i...
8338		Female (84)	CCU (0.24)	25000, 2720, 4019, 41071, 41401, 4280...	CHF NOS, Crnry athrsl natve vssl, DM...
15759		Female (64)	CCU (0.8)	0389, 2724, 4019, 4240, 4271, 4280, 7...	CHF NOS, Cardiogenic shock, Hyperlipi...
17565		Male (83)	TSICU (0.36)	25000, 4019, 42731, 431, 78559, E8798...	Abn react-procedure NEC, Atrial fibr...
30726		Female (79)	SICU (2.45)	2449, 25000, 42731, 43411, V4501	Atrial fibrillation, Crbl emblsm w in...
42604		Male (88)	MICU (1.74)	2859, 3484, 39890, 4019, 41401, 4321,...	Acute respiratry failure, Anemia NOS,...
48268		Female (88)	TSICU (2.45)	2720, 28860, 40390, 41400, 42731, 432...	Aortocoronary bypass, Atrial fibrilla...
57615		Female (72)	MICU (6.18)	00845, 04104, 2761, 2762, 2763, 27652...	Acidosis, Acute respiratry failure, A...
58046		Female (6)	MICU (1.18)	00845, 0383, 28860, 30000, 5579, 5849...	Acute kidney failure NOS, Anaerobic s...
63030		Male (79)	TSICU (0.77)	25000, 41400, 4271, 4275, 4280, 42822...	Accident in place NOS, Aortocoronary ...
68115		Female (79)	CCU (1.08)	2449, 25000, 2761, 2762, 2767, 28246,...	Ac on chr syst hrt fail, Acidosis, Ac...
82512		Male (70)	CSRU (9.34)	0389, 25041, 2720, 2761, 2762, 2767, ...	Abn react-org transplant, Ac kidney fa...
86323		Male (68)	MICU (9.18)	2449, 25000, 2724, 2763, 2859, 41400,...	Acute kidney failure NOS, Acute respi...
88016		Male (73)	SICU (5.19)	0389, 1628, 2762, 34830, 41400, 42731...	Abscess of lung, Acidosis, Aortocoron...
96591		Male (63)	MICU (2.28)	00845, 07054, 25000, 2724, 2859, 3481...	Acute respiratry failure, Anemia NOS,...
98182		Male (69)	TSICU (7.8)	0389, 07054, 2449, 25001, 2724, 40391...	Ac on chr syst hrt fail, Acute respir...
98525		Male (64)	SICU (1.51)	0388, 1534, 1962, 2512, 27541, 2762, ...	Ac vasc insuff intestine, Acc cut/hem...

COVID-19 in Community

At a glance, the cases and deaths declined. The difference from previous month is calculated by grouping the cases and deaths monthly. The proportion of difference is calculated from the difference from previous month divided by the previous month.