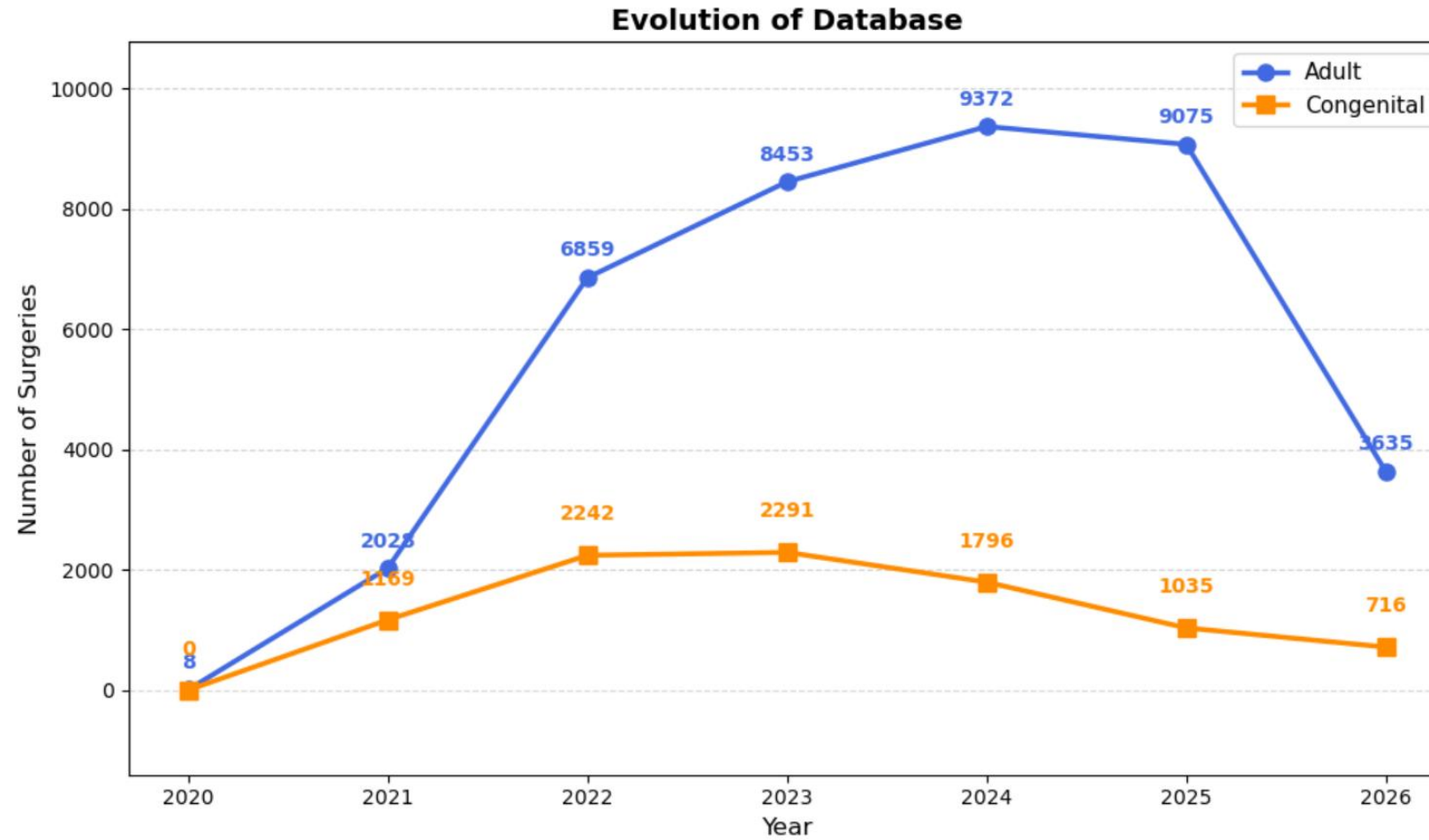


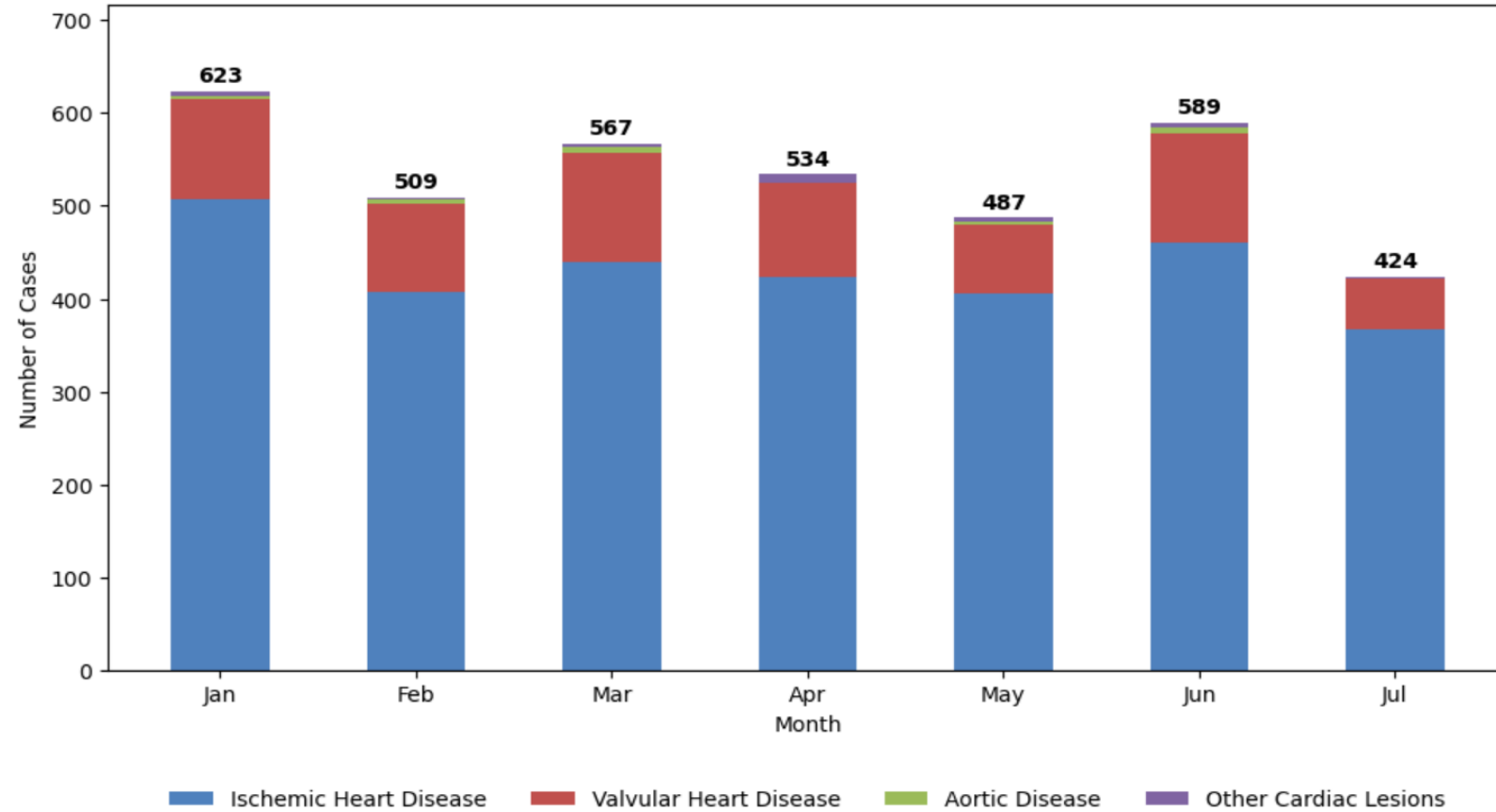


IACTS National Database Report - July 2026



The graph illustrates the year-wise trend of data submissions to the Adult Registry and Congenital Registry from 2020 to 2026.

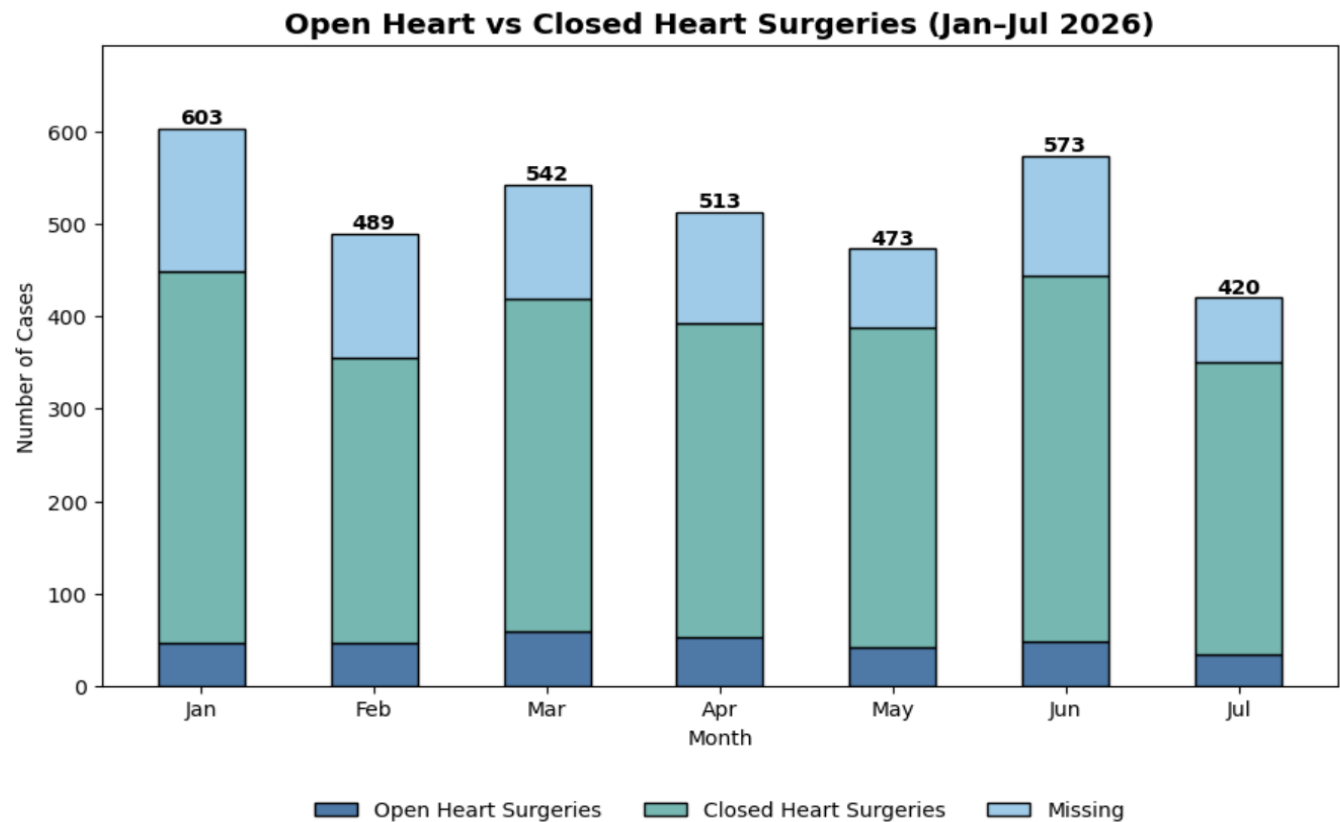
Distribution of Adult Cardiac Diagnoses (Jan-Jul 2026)



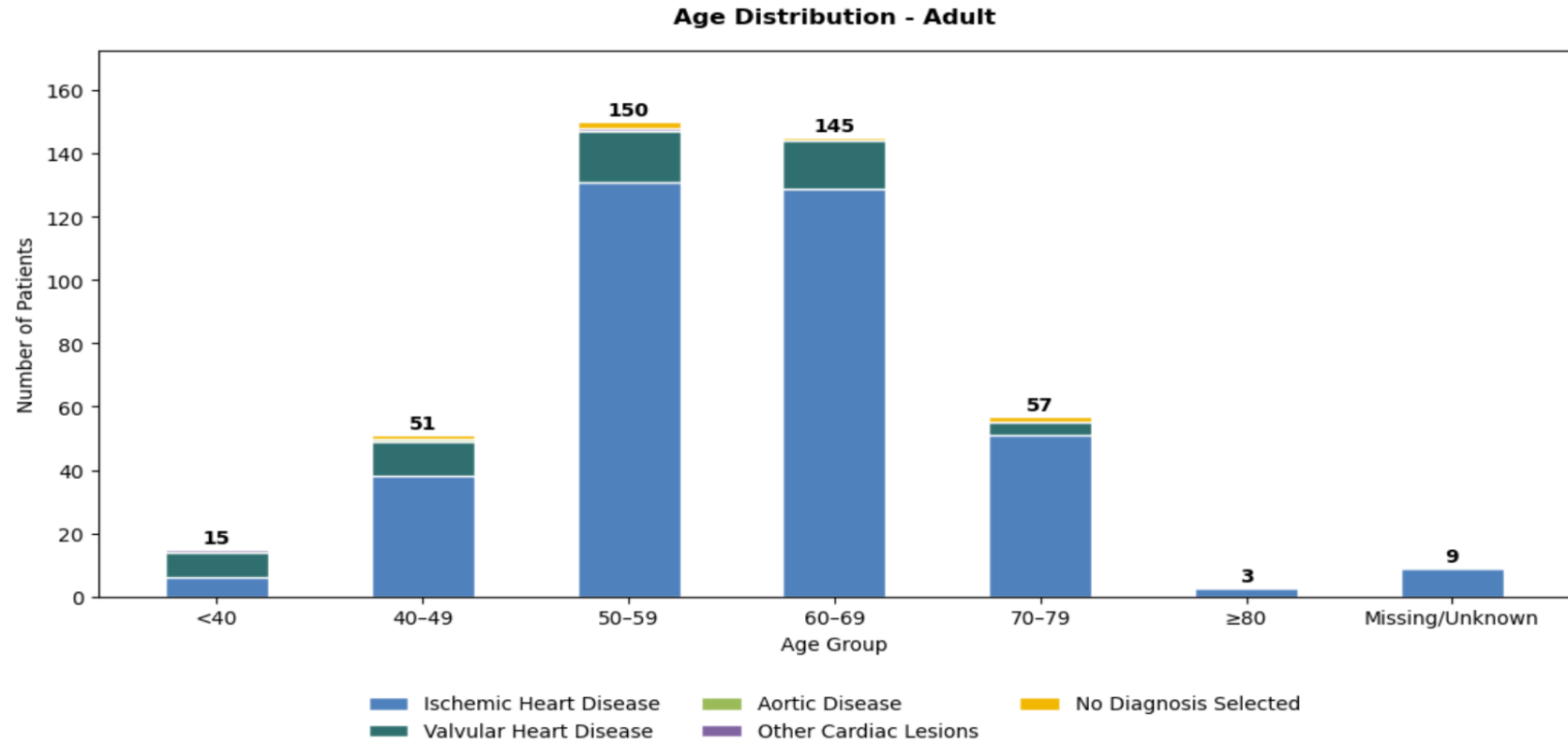
Month	Ischemic Heart Disease	Valvular Heart Disease	Aortic Disease	Other Cardiac Lesions	Total Diagnoses
Jan	507	108	3	5	623
Feb	407	96	4	2	509
Mar	440	117	7	3	567
Apr	423	101	1	9	534
May	406	73	4	4	487
Jun	461	117	6	5	589
Jul	367	54	1	2	424

Note: 6 records had no diagnosis selected in the recorded diagnosis fields.

Diagnosis	Number of Records
Ischemic Heart Disease	358
Valvular Heart Disease	45
Ischemic Heart Disease + Valvular Heart Disease	8
Valvular Heart Disease + Aortic Disease	1
Ischemic Heart Disease + Other Cardiac Lesions	1
Other Cardiac Lesions	1
No Diagnosis Selected	6
Total	420



Month	Open Heart	Closed Heart	Missing	Total
Jan	47	402	154	603
Feb	47	309	133	489
Mar	59	360	123	542
Apr	53	339	121	513
May	42	346	85	473
Jun	49	395	129	573
Jul	35	316	69	420

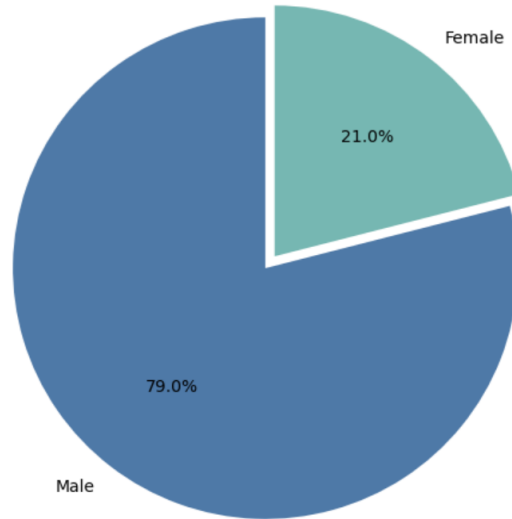


index	Ischemic Heart Disease	Valvular Heart Disease	Aortic Disease	Other Cardiac Lesions	No Diagnosis Selected	Total
<40	6	8	0	1	0	15
40-49	38	11	1	0	1	51
50-59	131	16	0	1	2	150
60-69	129	15	0	0	1	145
70-79	51	4	0	0	2	57
≥80	3	0	0	0	0	3
Missing/U	9	0	0	0	0	9

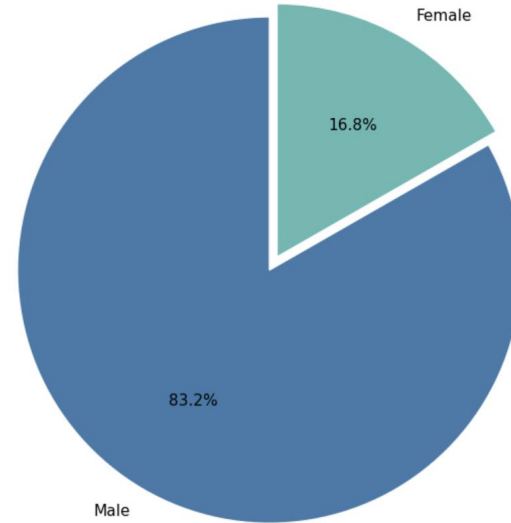
Median Age: 59 years IQR: 53-66 years IQR Width: 13 years



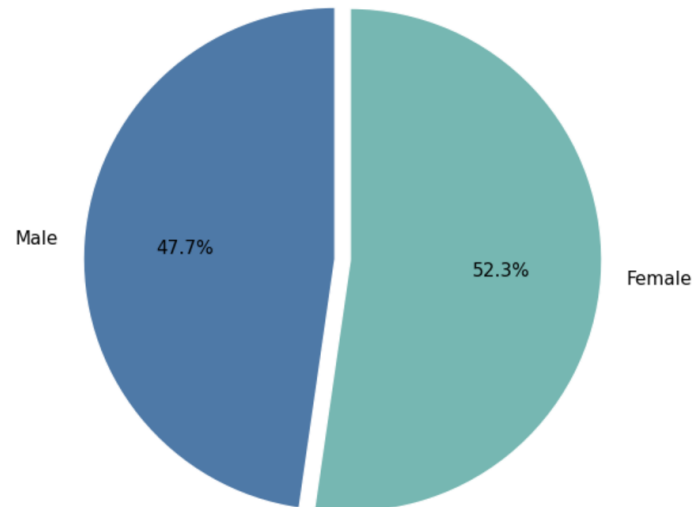
Gender Distribution - Total



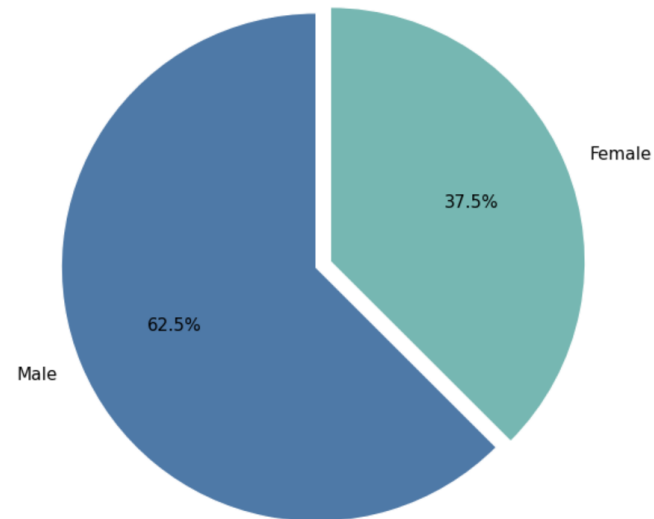
Gender Distribution - Isolated CABG

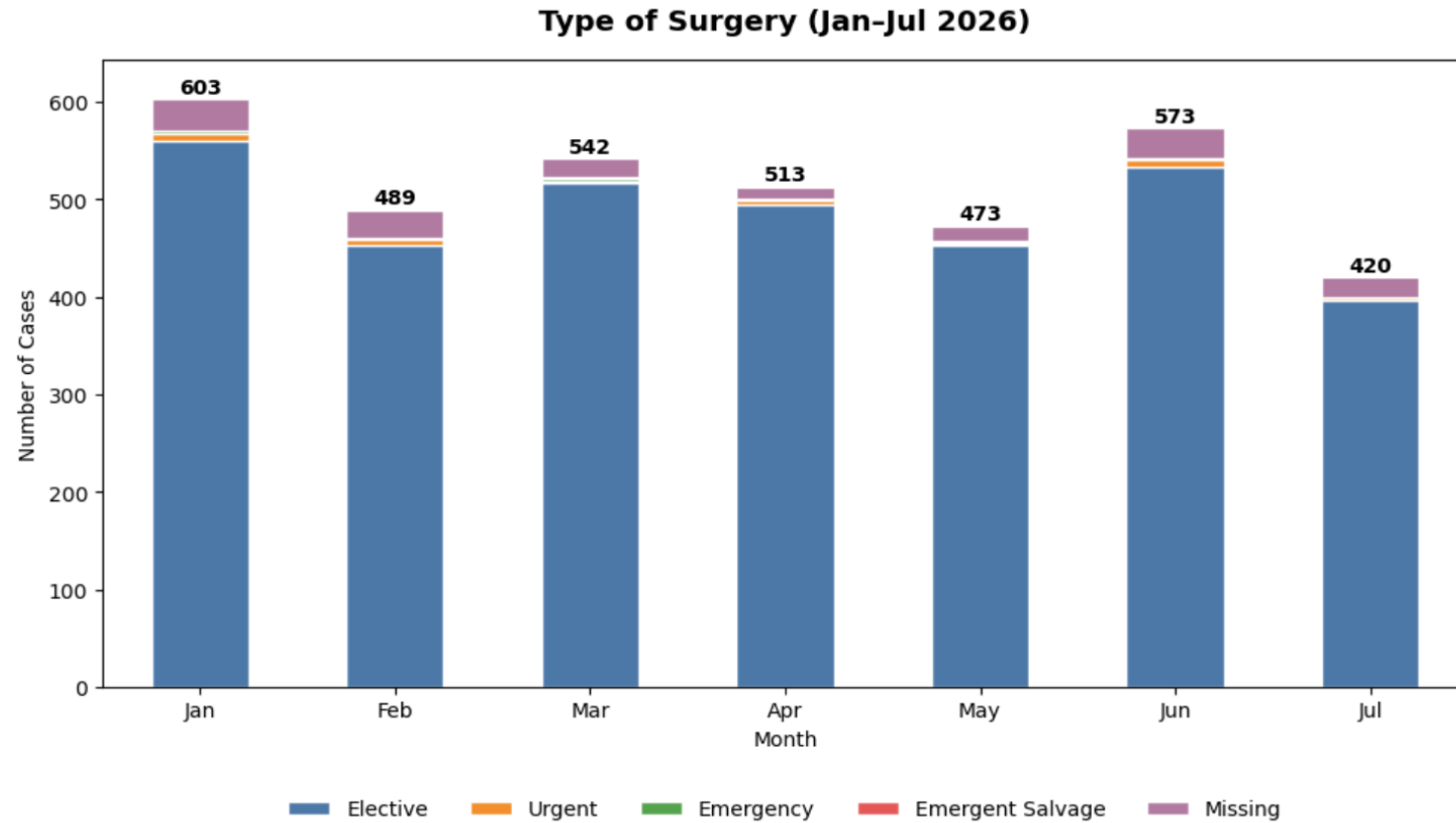


Gender Distribution - Isolated Valve



Gender Distribution - CABG + Valve





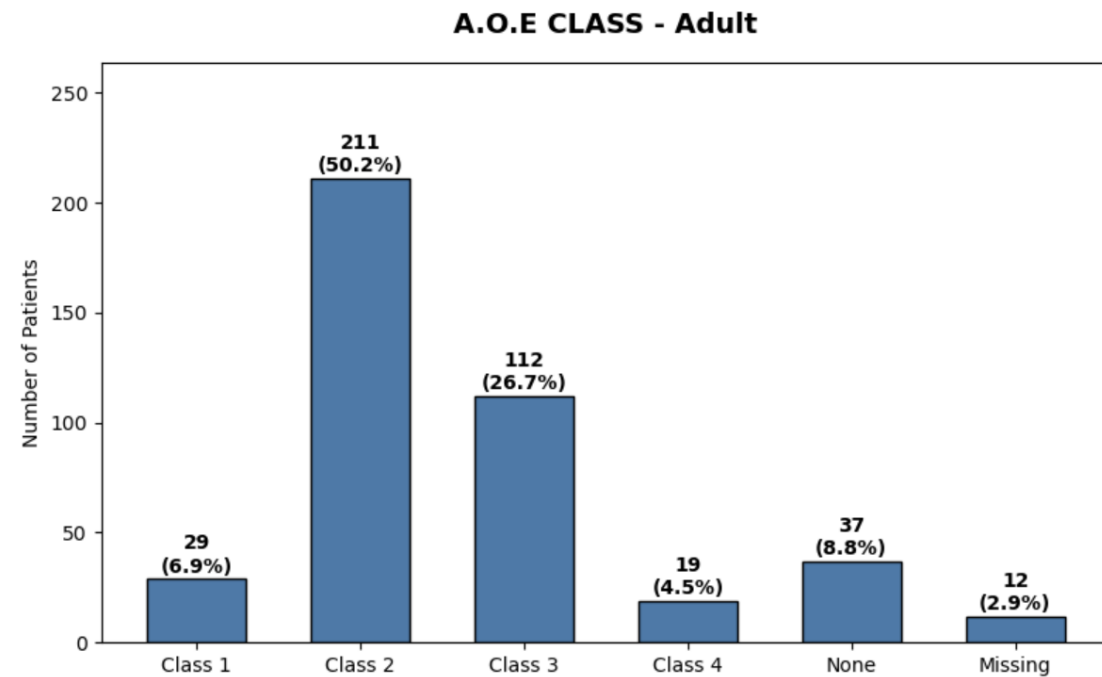
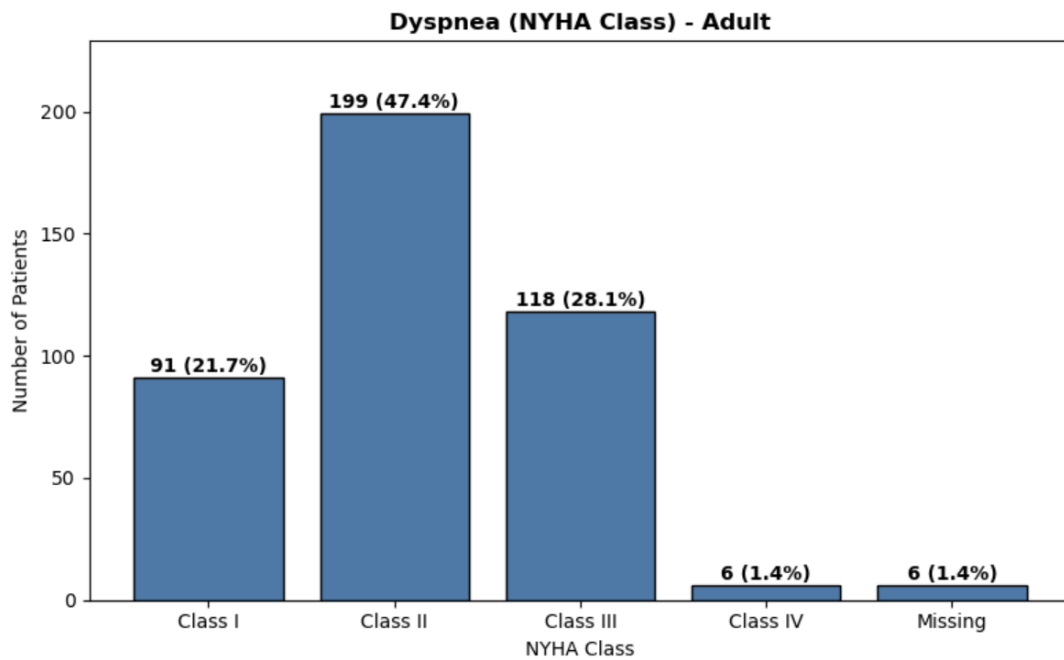
Month	Elective	Urgent	Emergency	Emergent Salvage	Missing	Total Records
Jan	560	7	3	0	33	603
Feb	453	6	2	0	28	489
Mar	517	2	3	1	19	542
Apr	495	4	2	0	12	513
May	453	2	1	2	15	473
Jun	534	7	2	0	30	573
Jul	397	3	0	0	20	420

Risk Factors - Adult



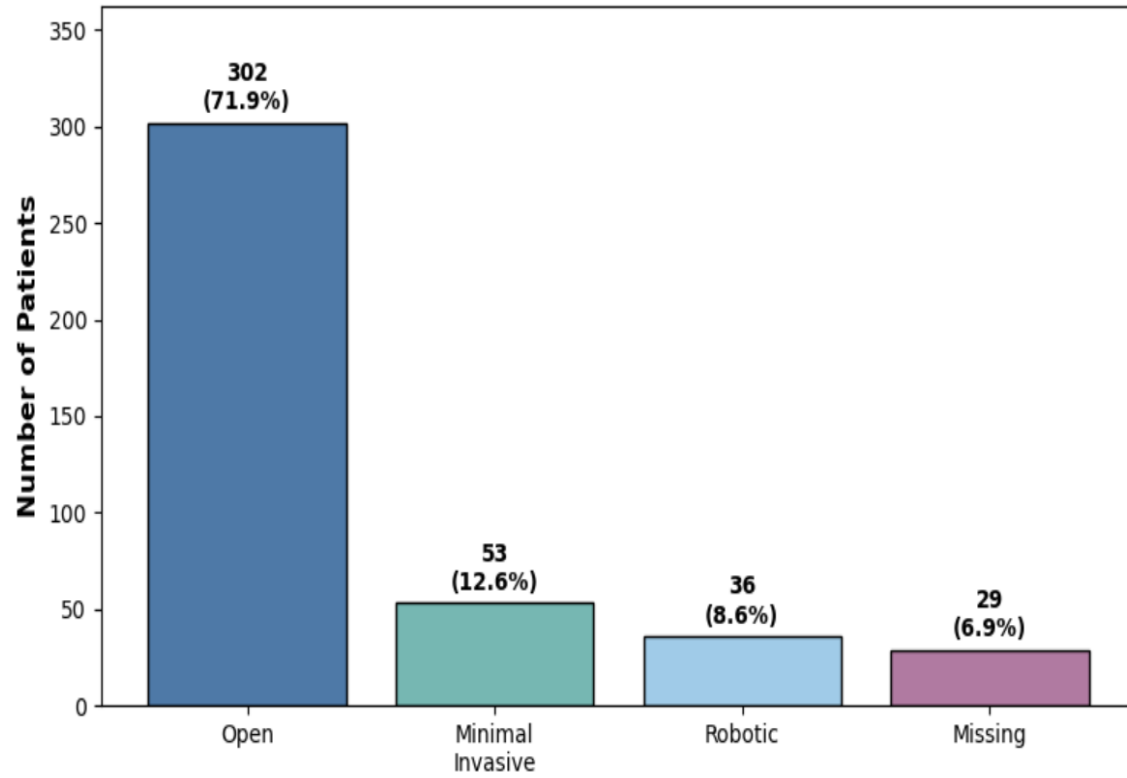
Risk Factor	Percentage (%)	Missing (%)
Hypertension	68.1	2.1
Diabetes	59.5	1.7
Tobacco Use	32.1	10.7
Alcohol Use	4.8	22.4

Note : Overall data completeness was high. Missing data were low for most variables.

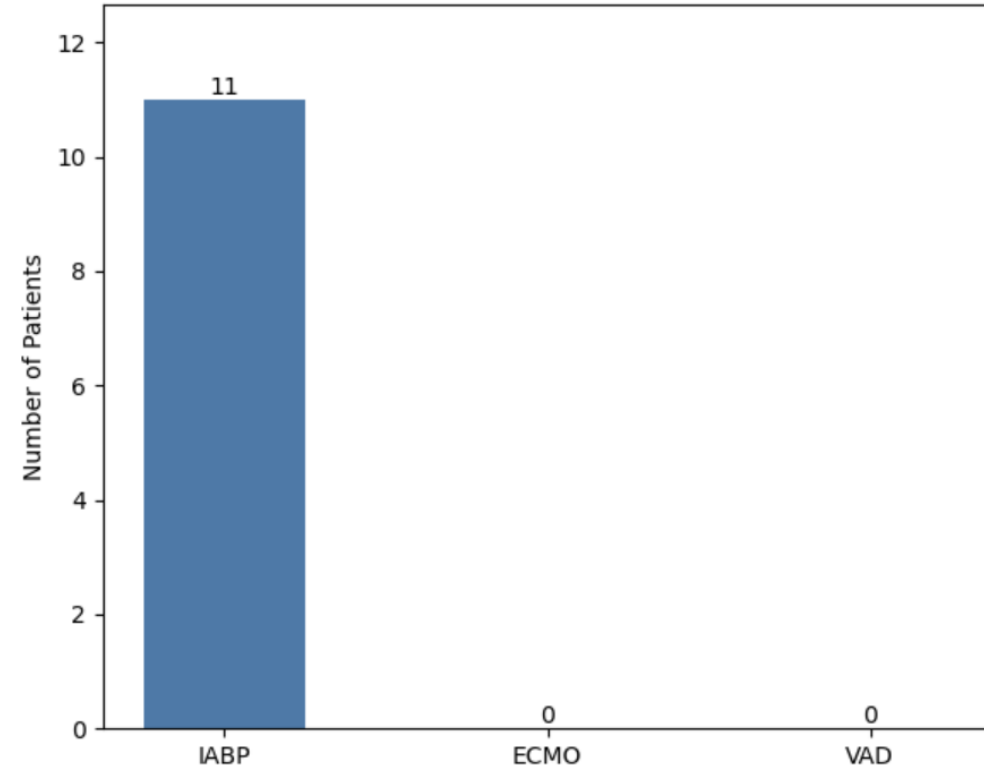


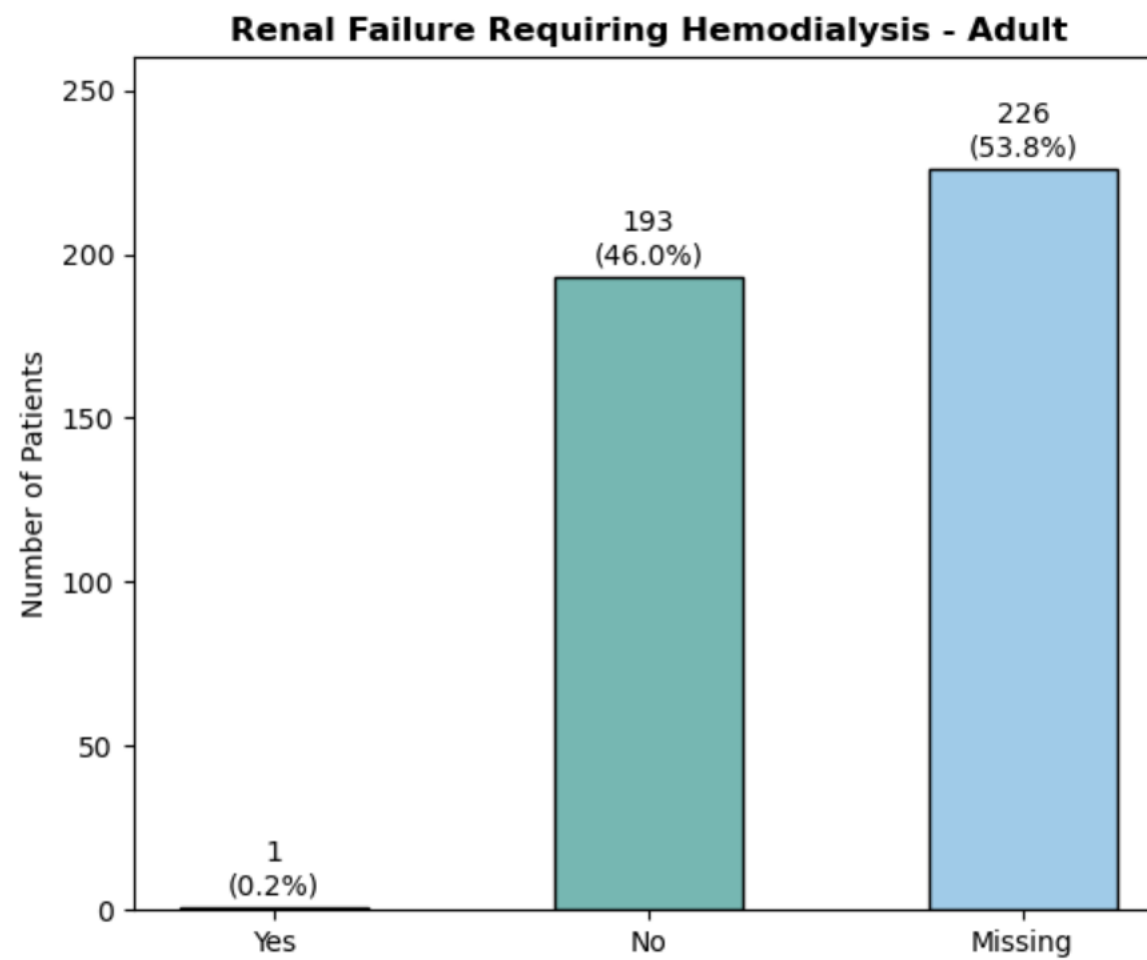
Note : Missing data indicate that the corresponding field was left blank.

Distribution of Surgical Approaches - Adult



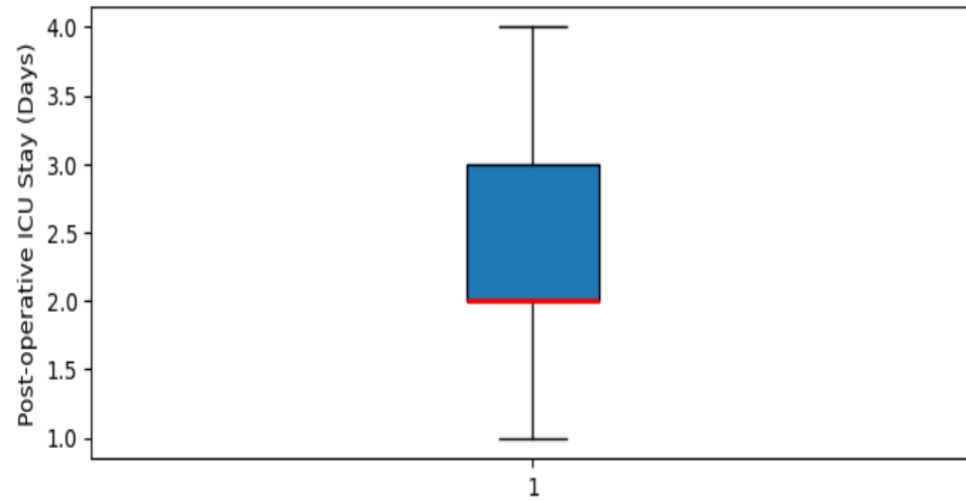
Type of Cardiac Assist Device - Adult





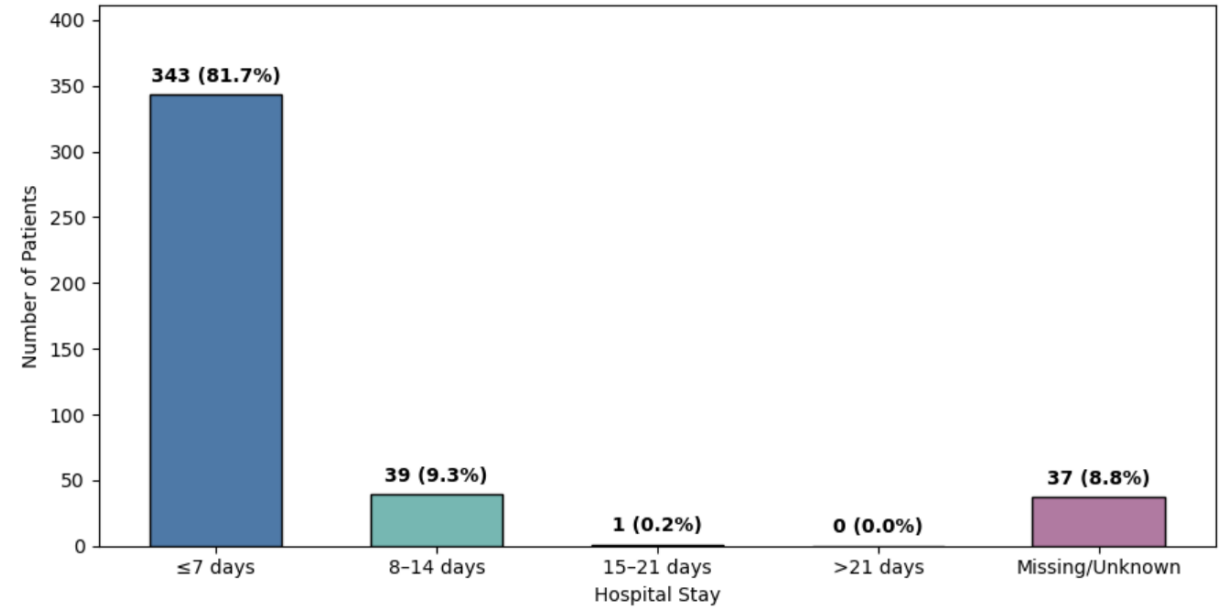
Note: The proportion of missing data for Renal Failure Requiring Hemodialysis was relatively high.

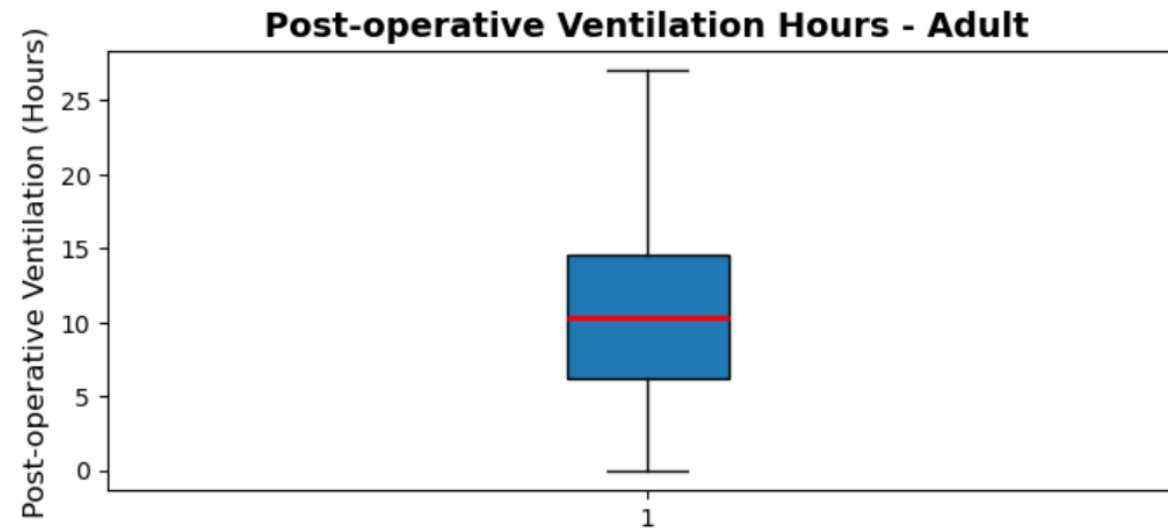
Post-operative ICU Stay - Adult



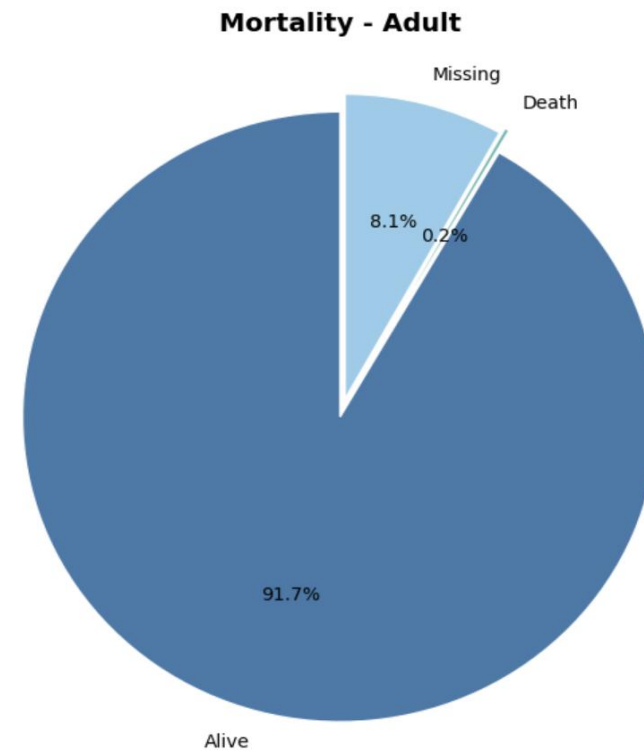
Mean: 2.7 days Median: 2.0 days Q1: 2.0 days Q3: 3.0 days IQR: 1.0 days Outliers: 26

Hospital Stay - Adult





Mean: 11.9 hrs Median: 10.3 hrs Q1: 6.1 hrs Q3: 14.6 hrs IQR: 8.4 hrs Outliers: 9

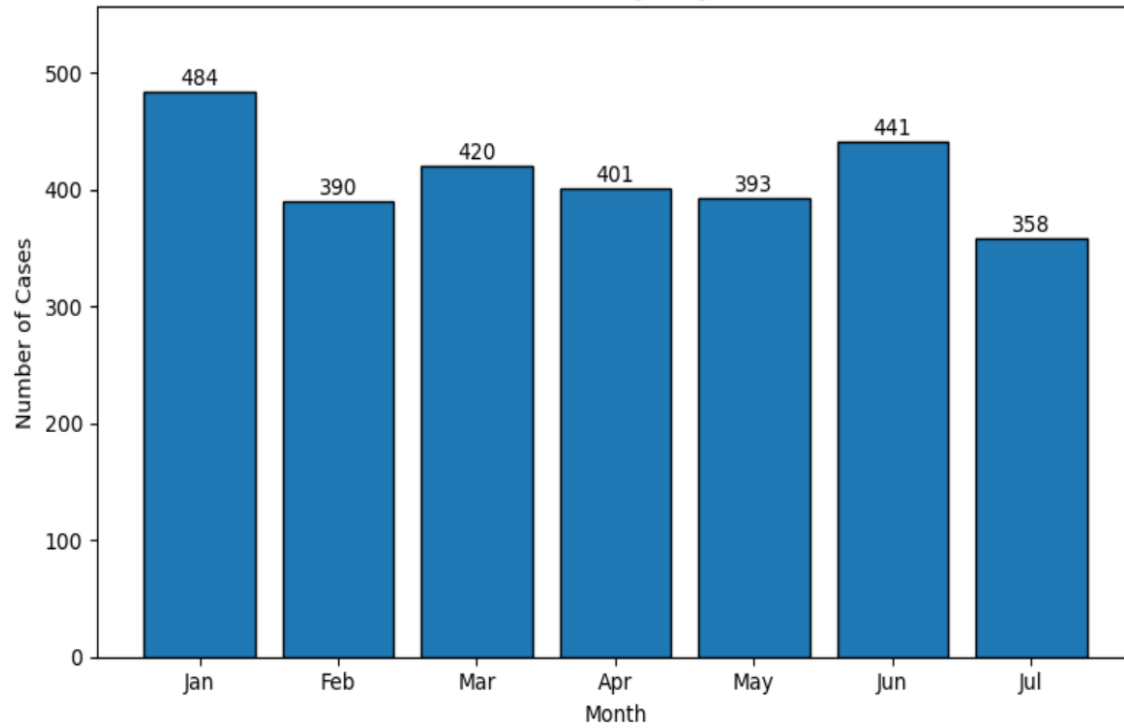


Note : Missing data indicate that the corresponding field was left blank.

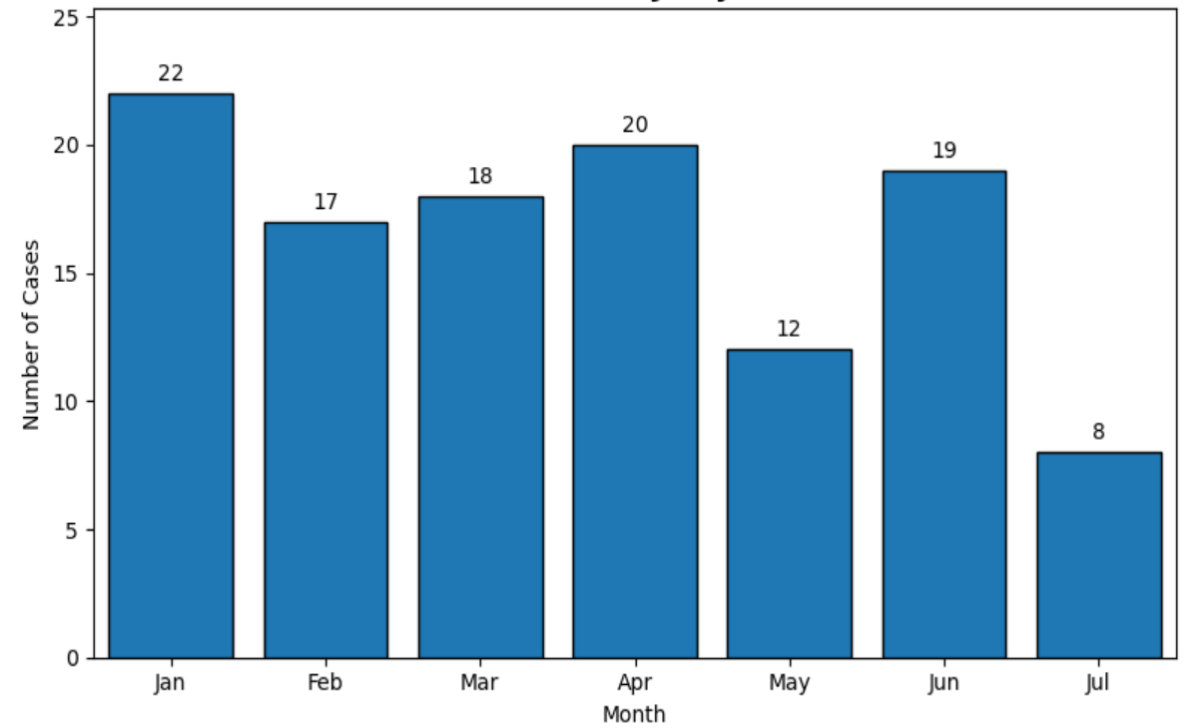
CABG



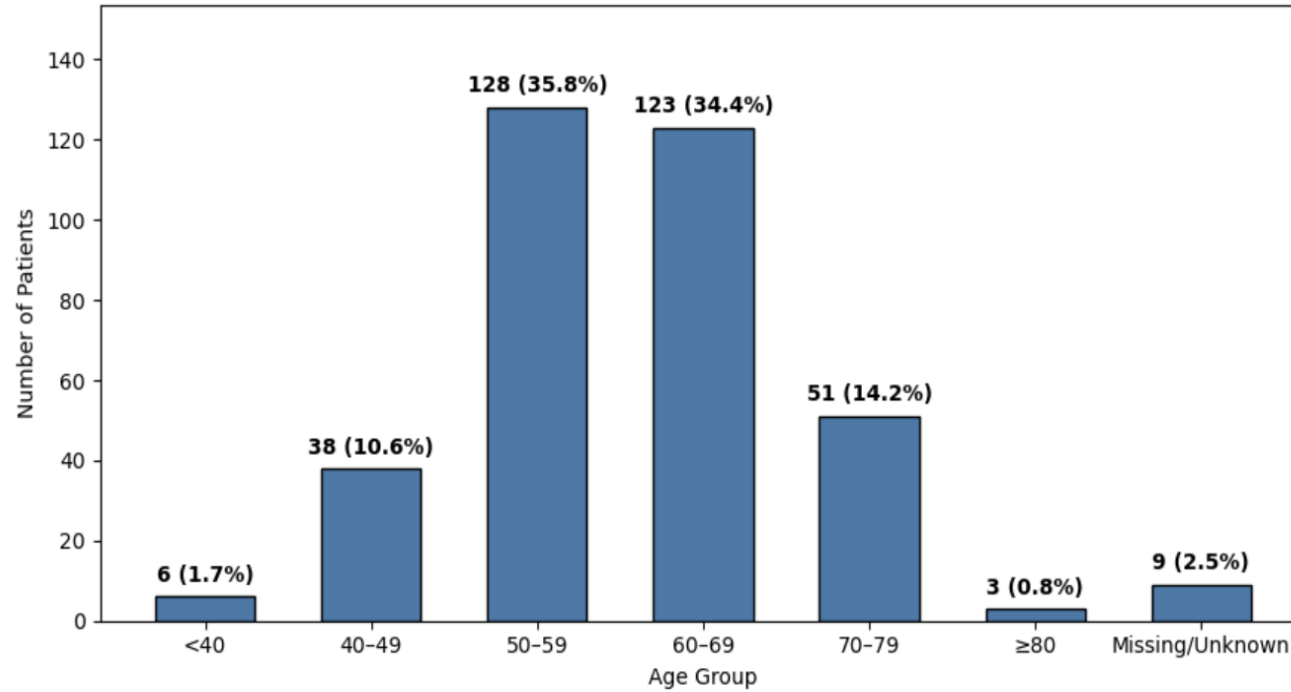
Isolated CABG (Jan-jul 2026)



CABG + Valve (Jan-jul 2026)



Age Distribution - Isolated CABG

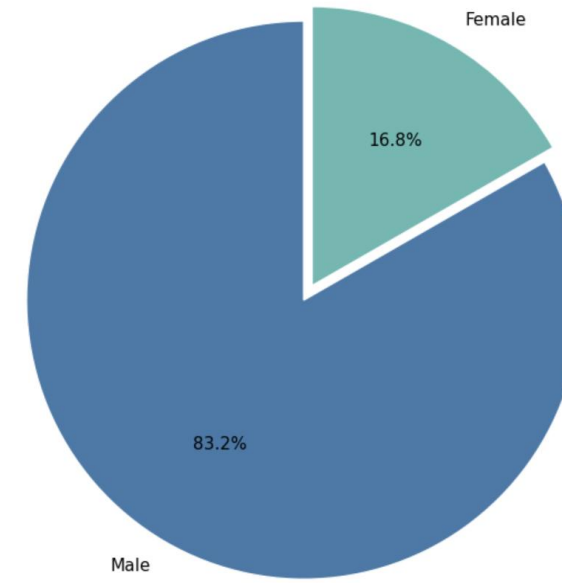


Median Age: 60.0 years

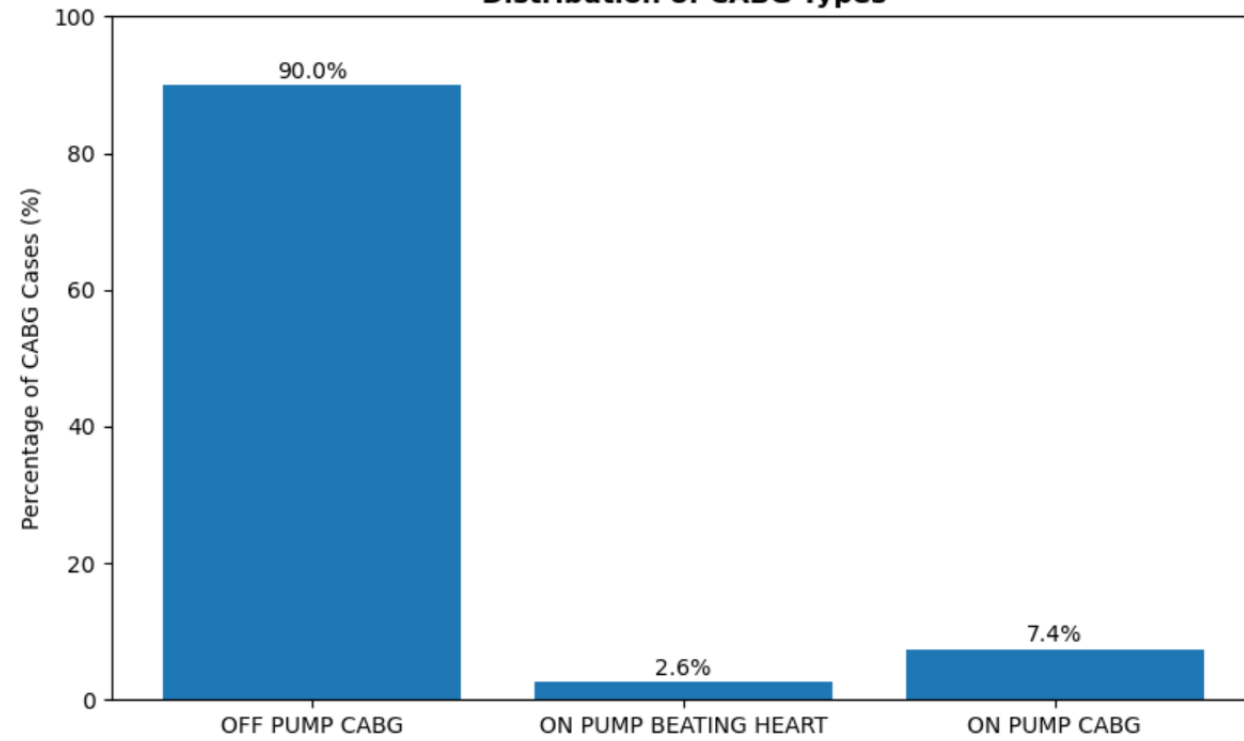
IQR: 54.0–66.0 years

IQR Width: 12.0 years

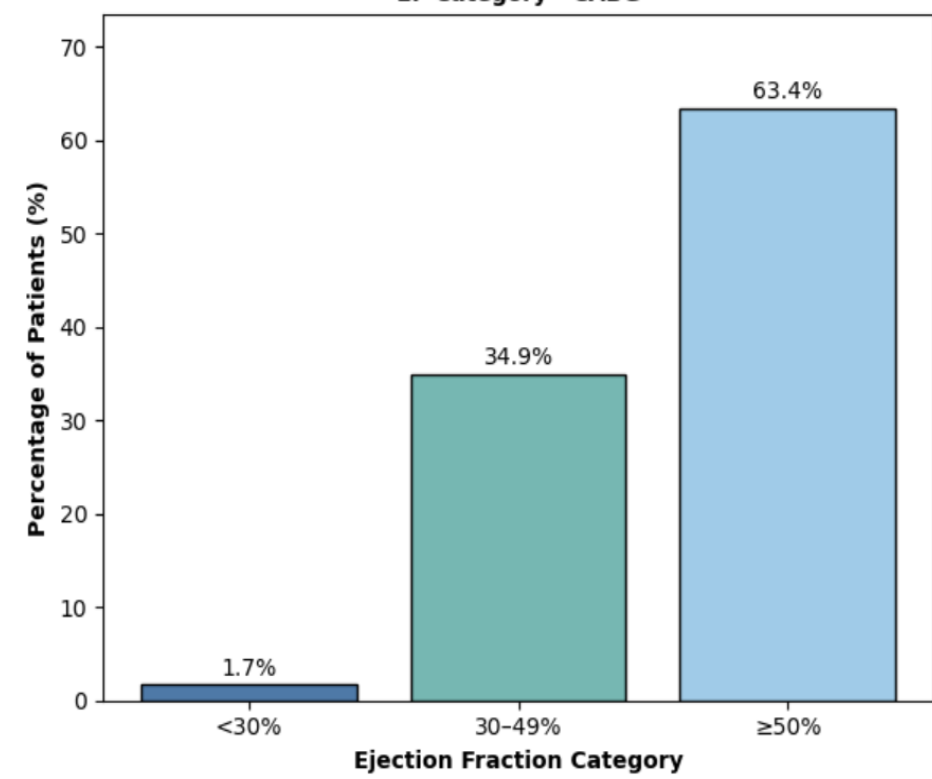
Gender Distribution - Isolated CABG



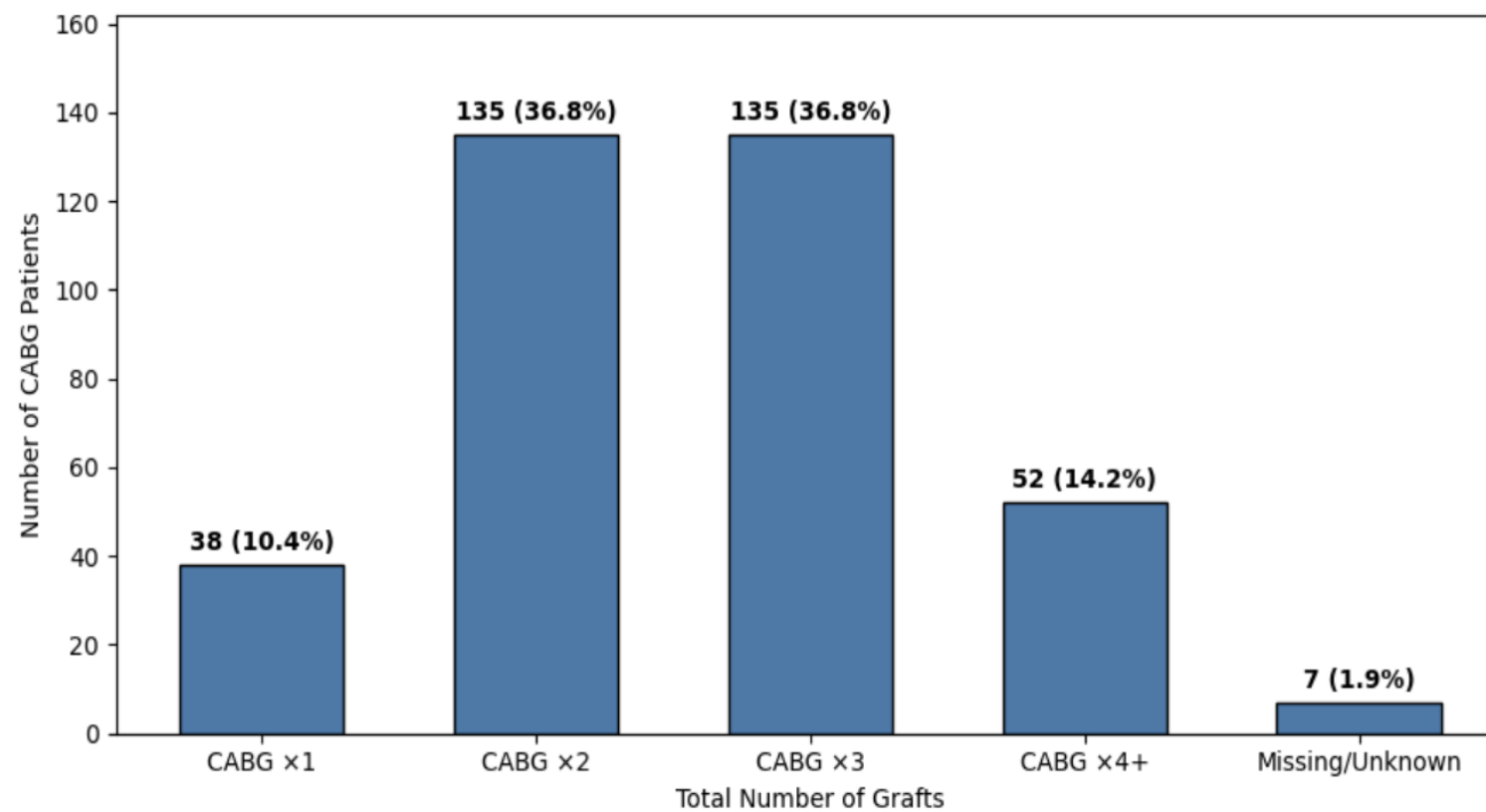
Distribution of CABG Types



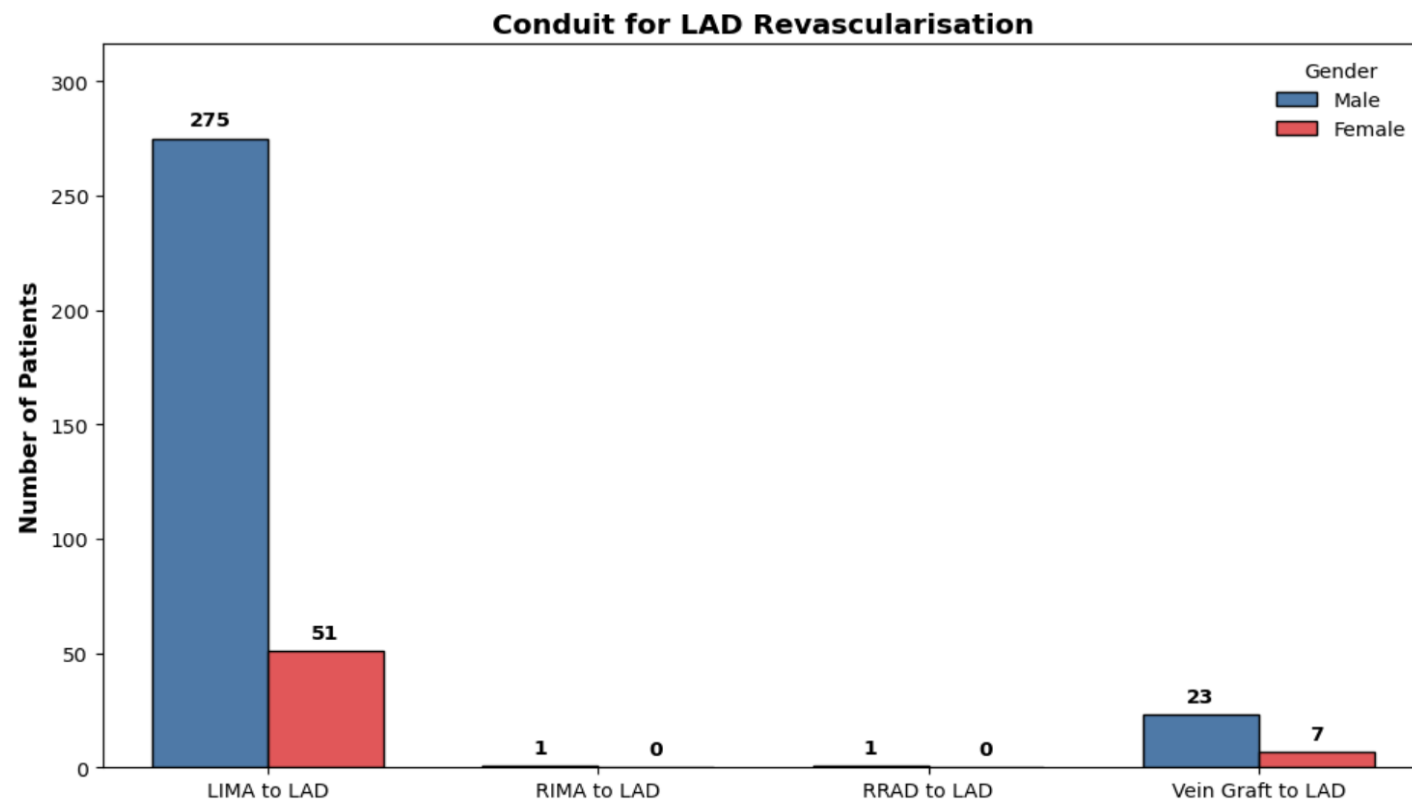
EF Category - CABG



Distribution of Patients by Total Number of Grafts



Note : Missing data indicate that the corresponding field was left blank.



Average grafts per CABG patient: 2.53

LIMA → LAD grafts: 326

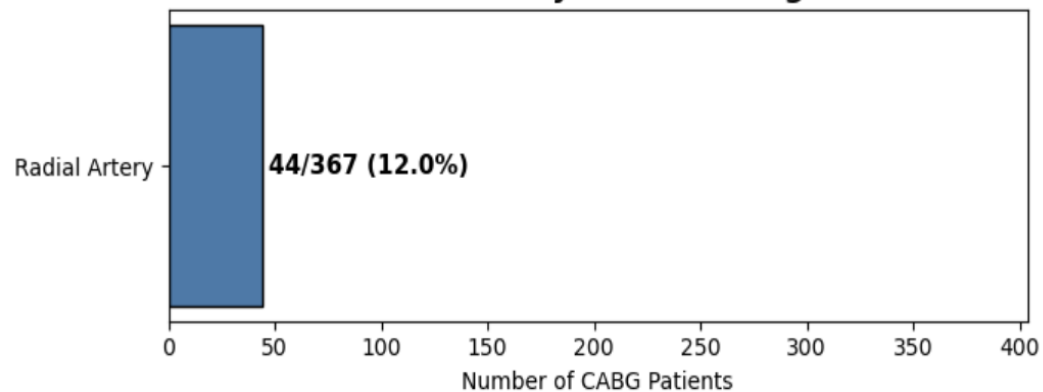
Total LAD grafts: 358

LIMA → LAD Percentage: 91.1%

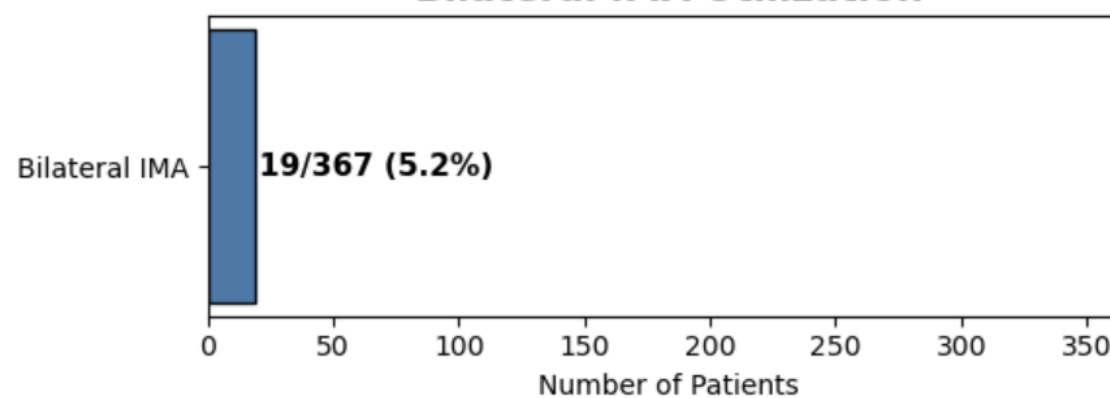
Vein Graft → LAD grafts : 30

Vein Graft → LAD Percentage: 8.4 %

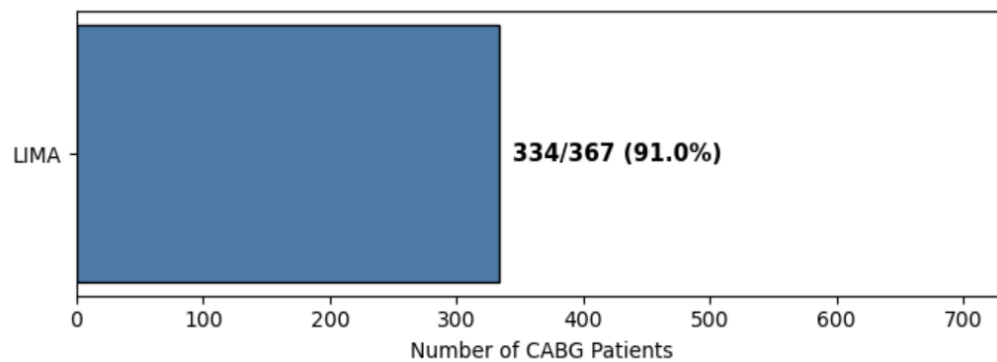
Radial Artery Conduit Usage



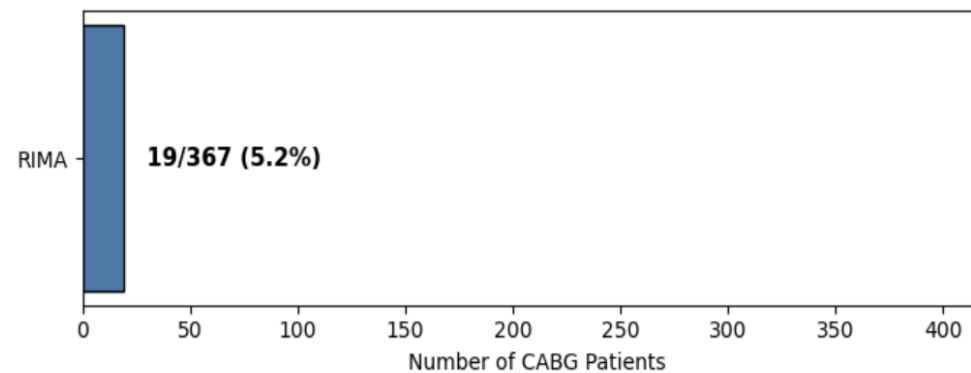
Bilateral IMA Utilization

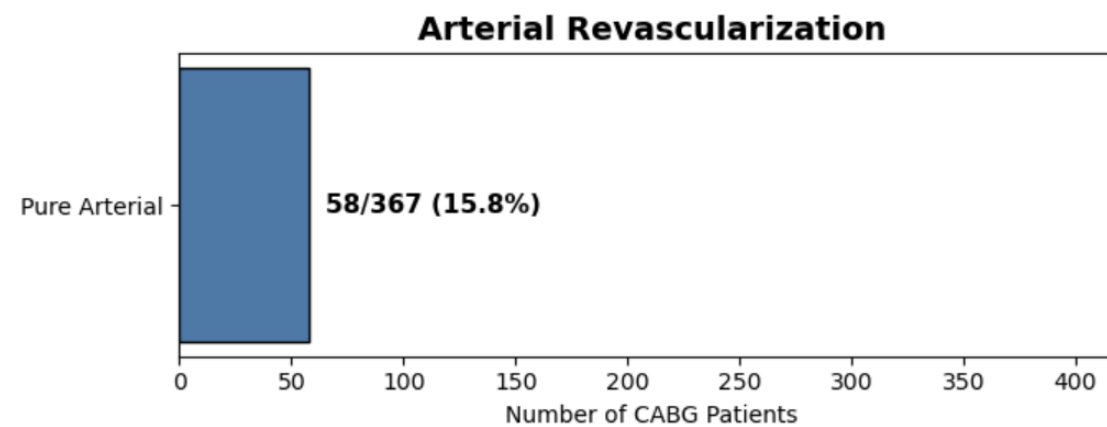
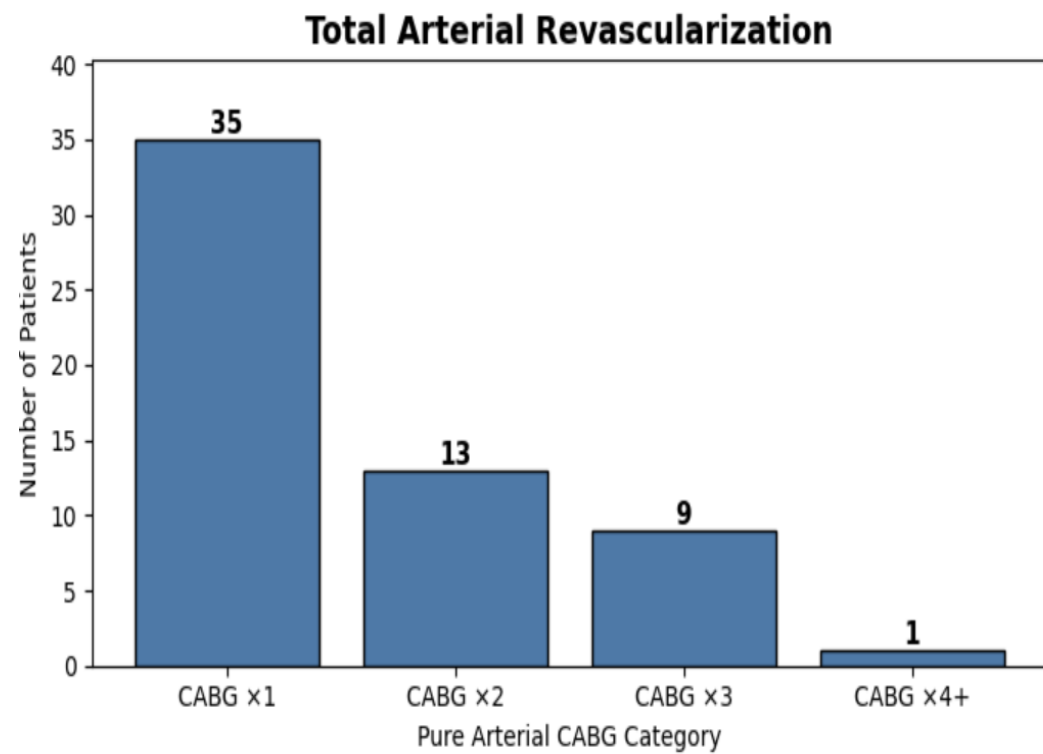


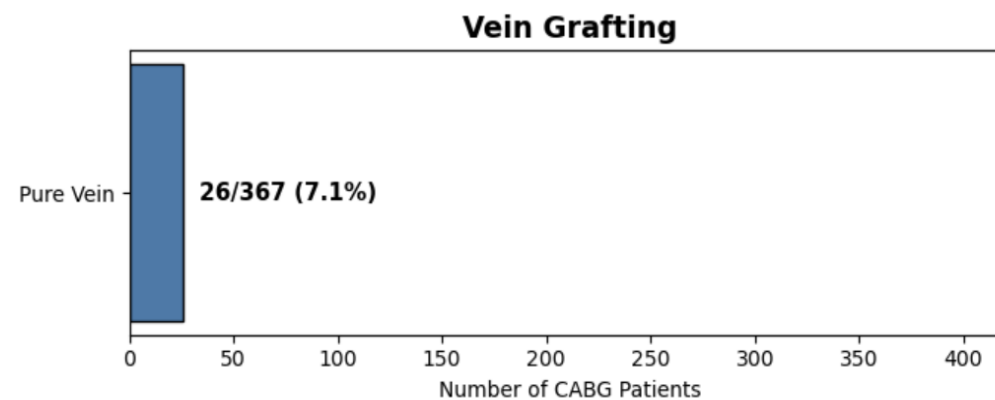
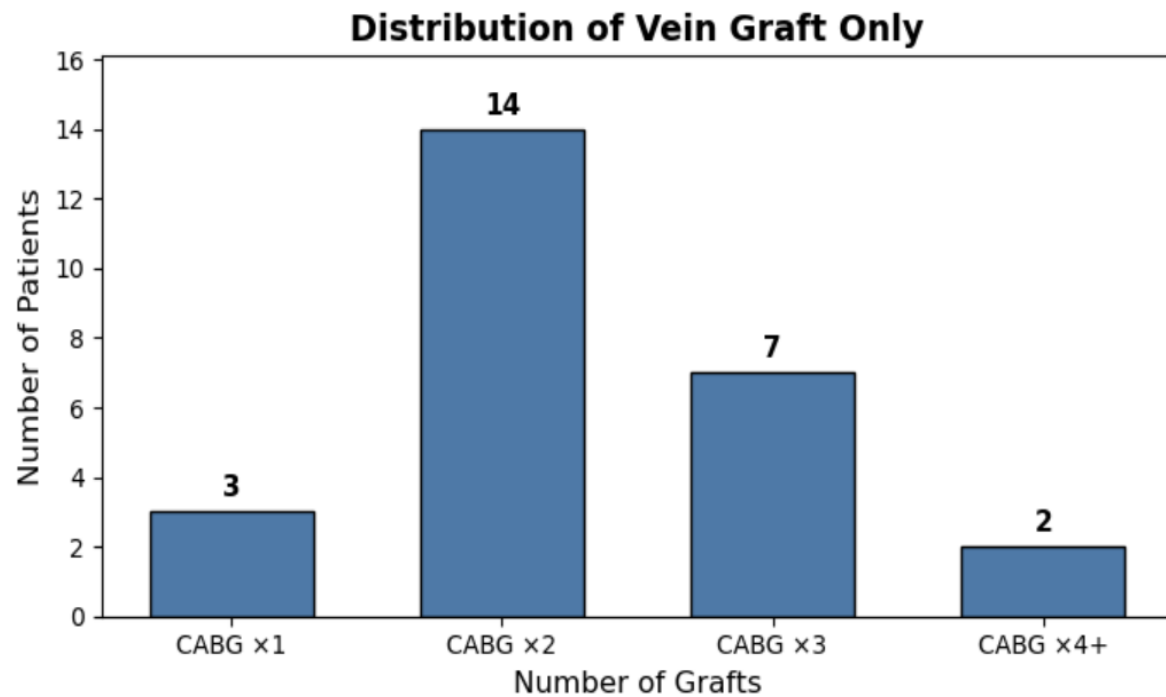
LIMA Utilization



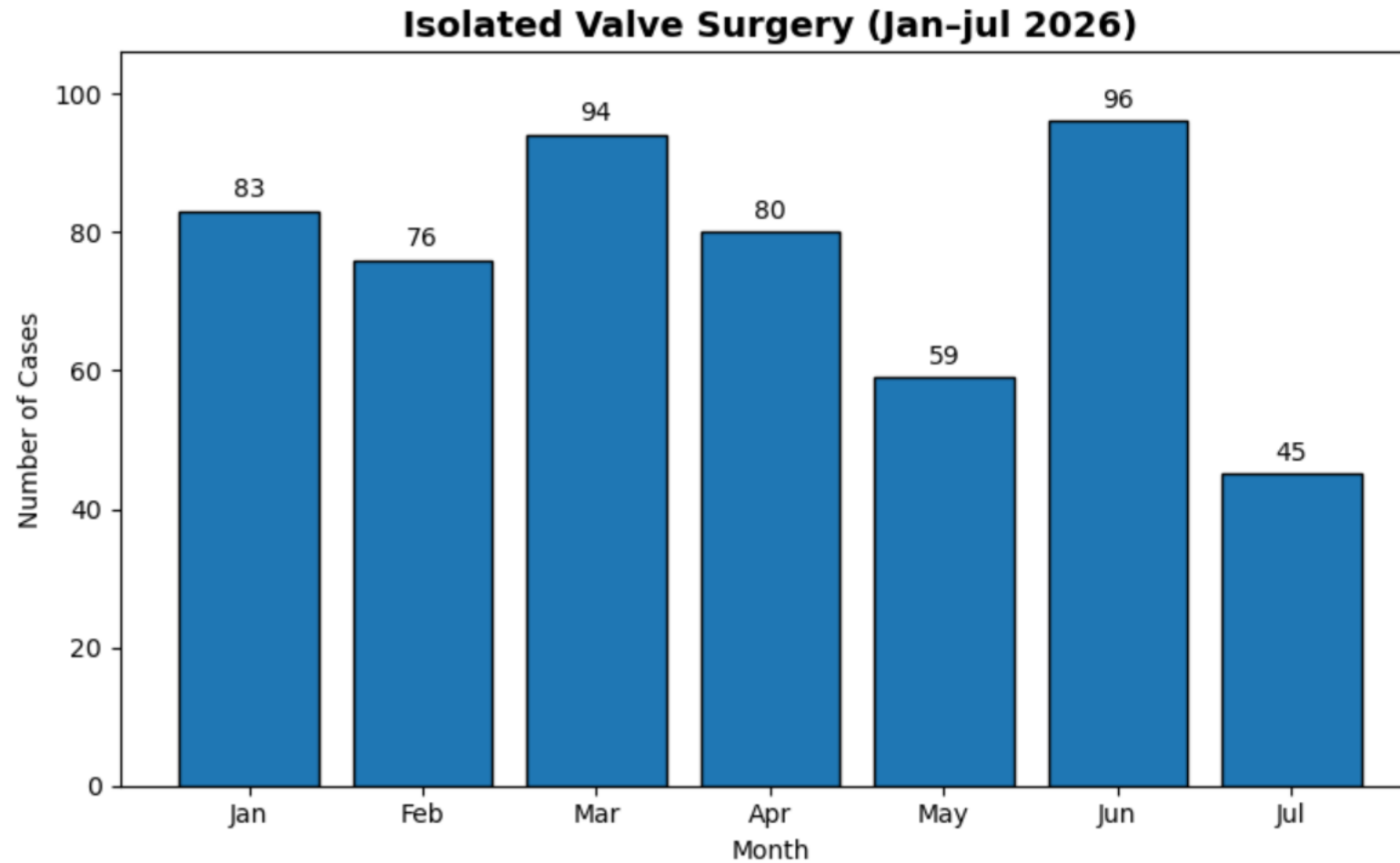
RIMA Utilization



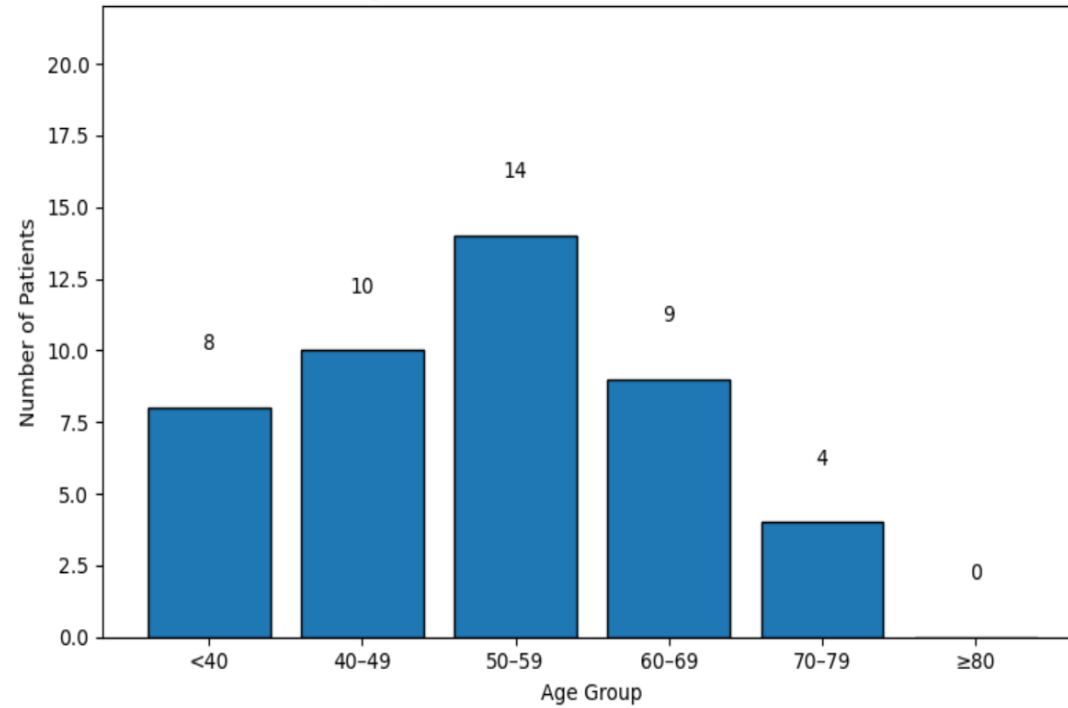




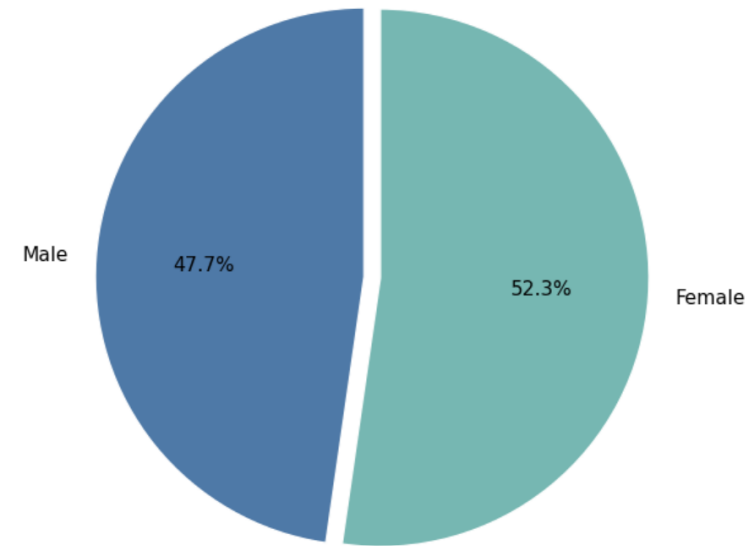
Valve



Age Distribution - Isolated Valve



Gender Distribution - Isolated Valve



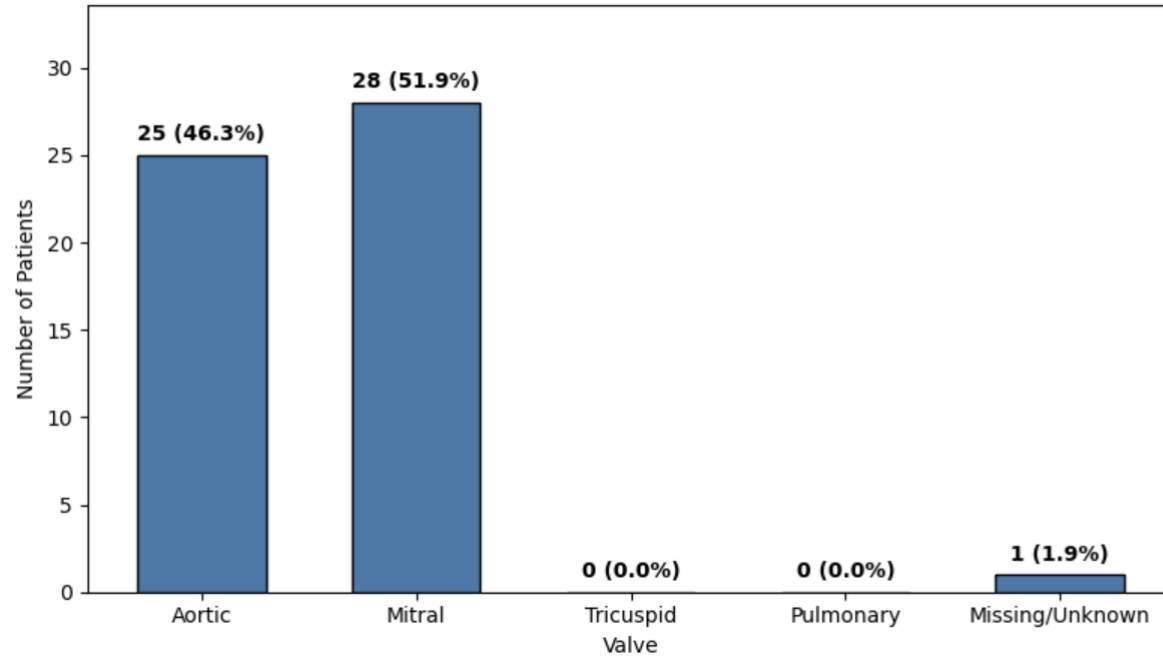
Median Age : 54.0 years

Q1 : 43.0 years

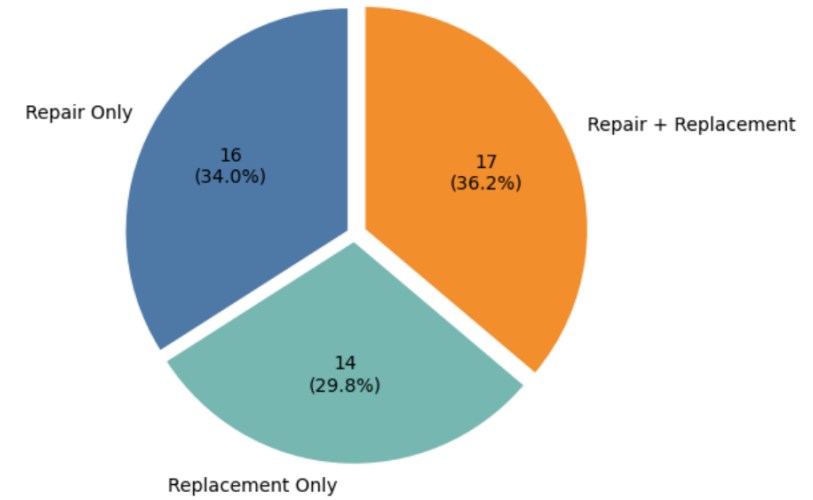
Q3 : 61.0 years

IQR : 18.0 years

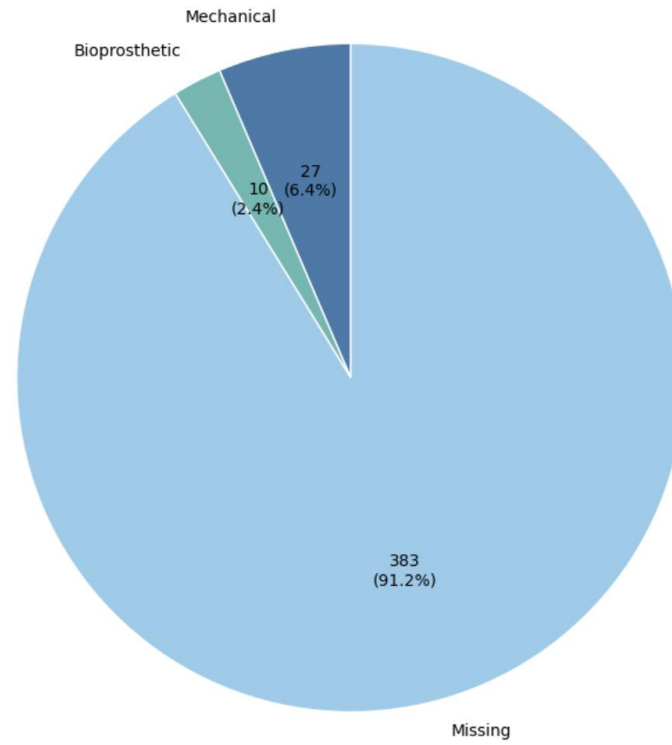
Valve Diagnosis Distribution - Valvular Heart Disease



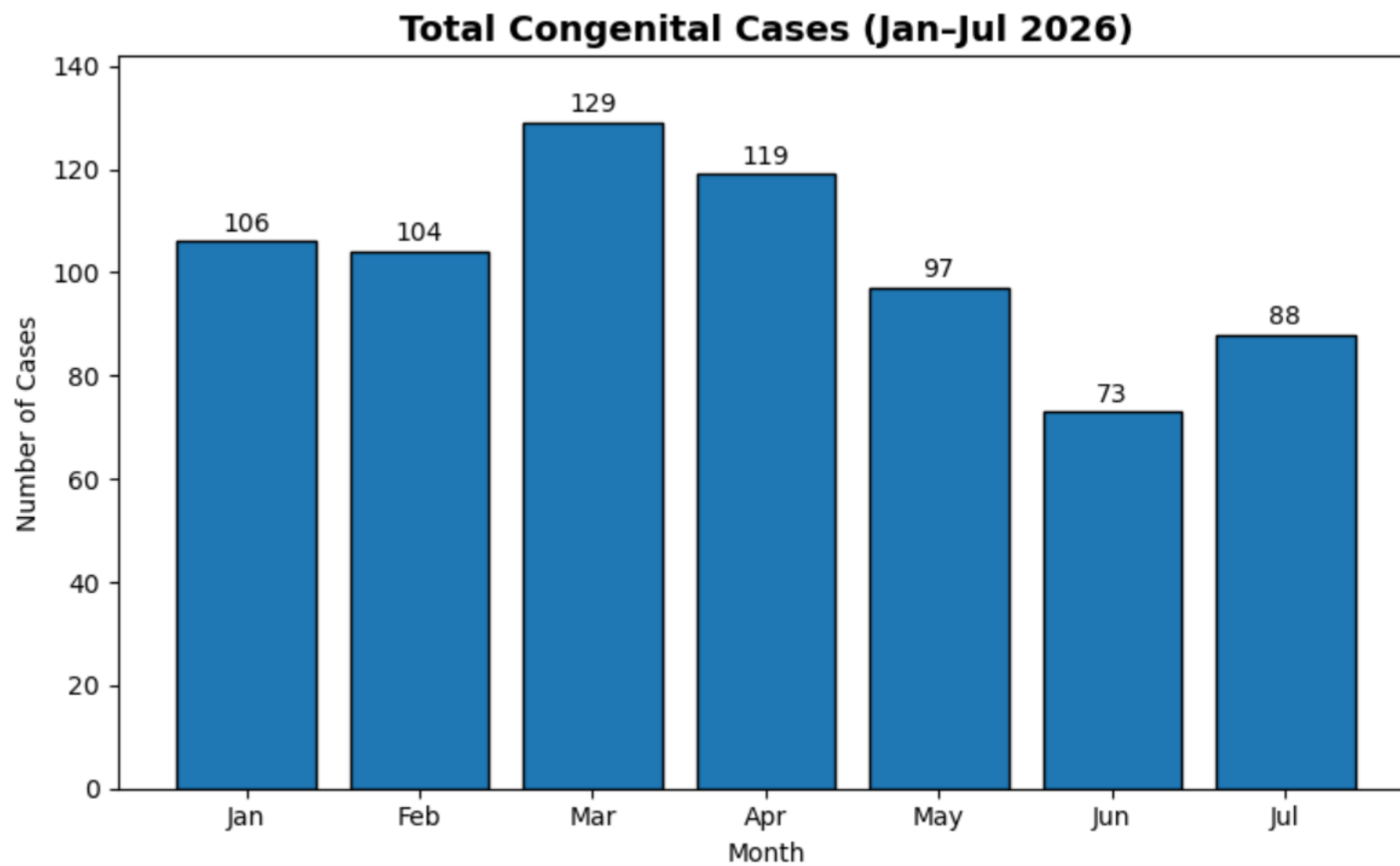
Valve Procedures (Patient-wise)



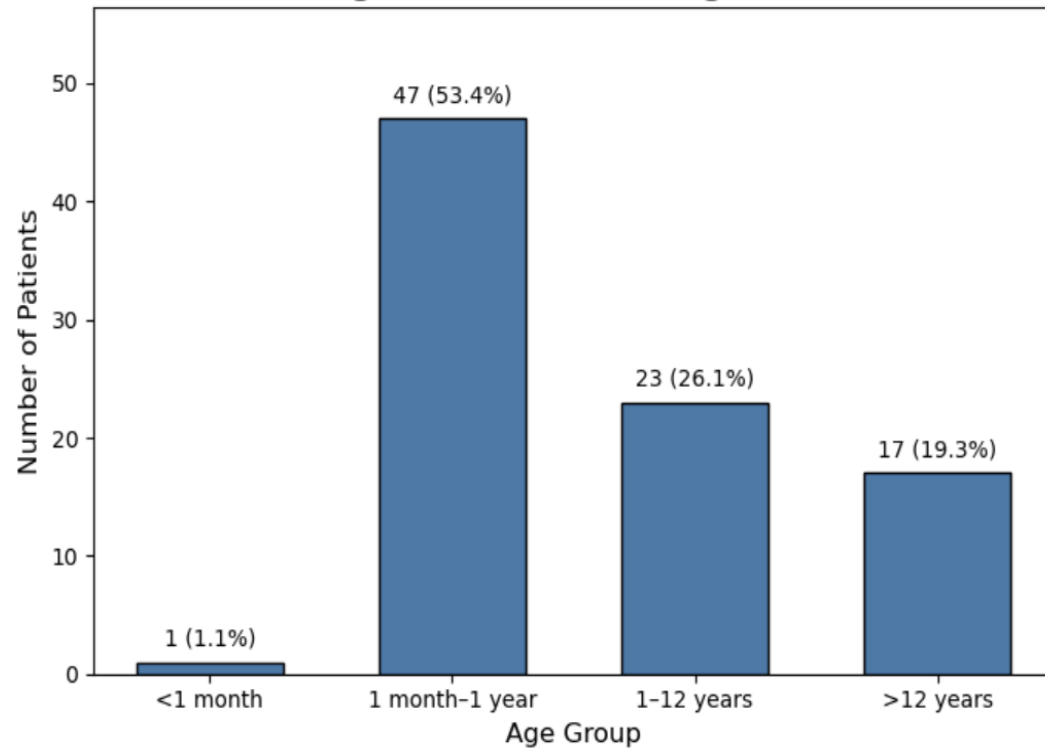
Type of Prosthetic Valve



Congenital



Age Distribution - Congenital

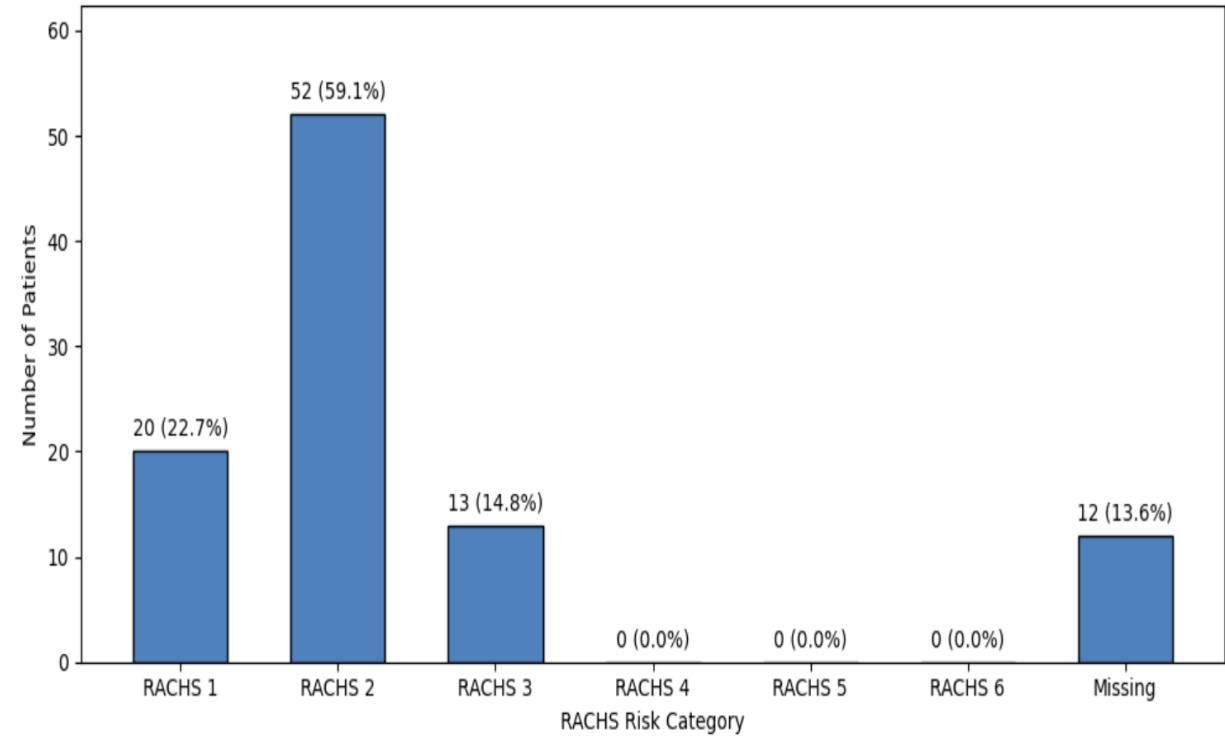


Median Age: 1.0 years (12 months)

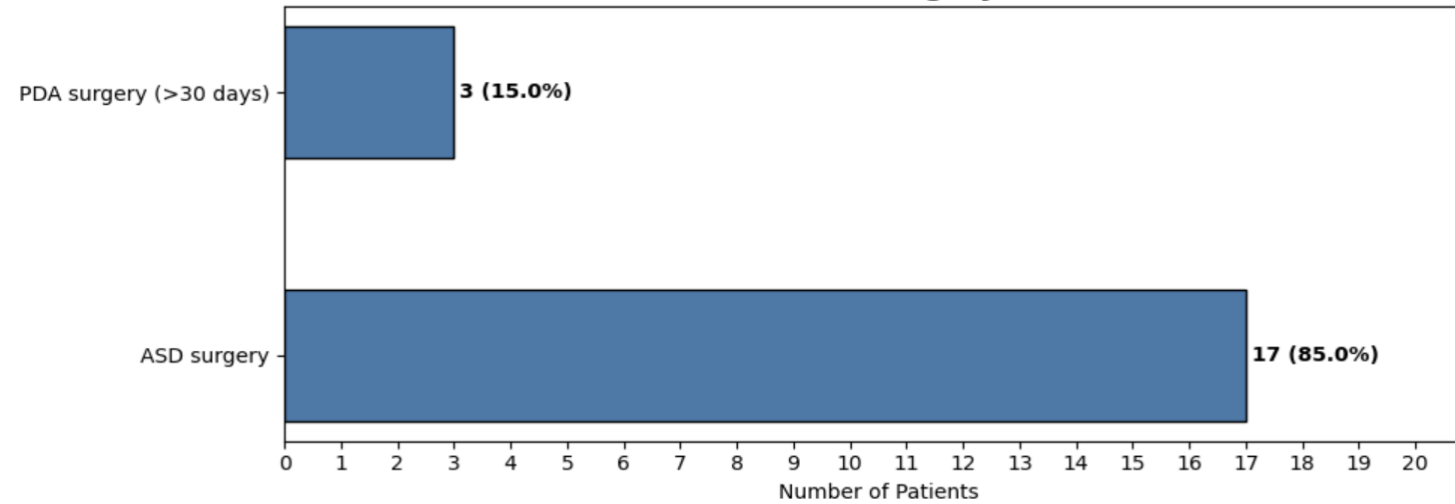
IQR: 0.5 – 4.0 years (6 – 48 months)

IQR Width: 3.5 years

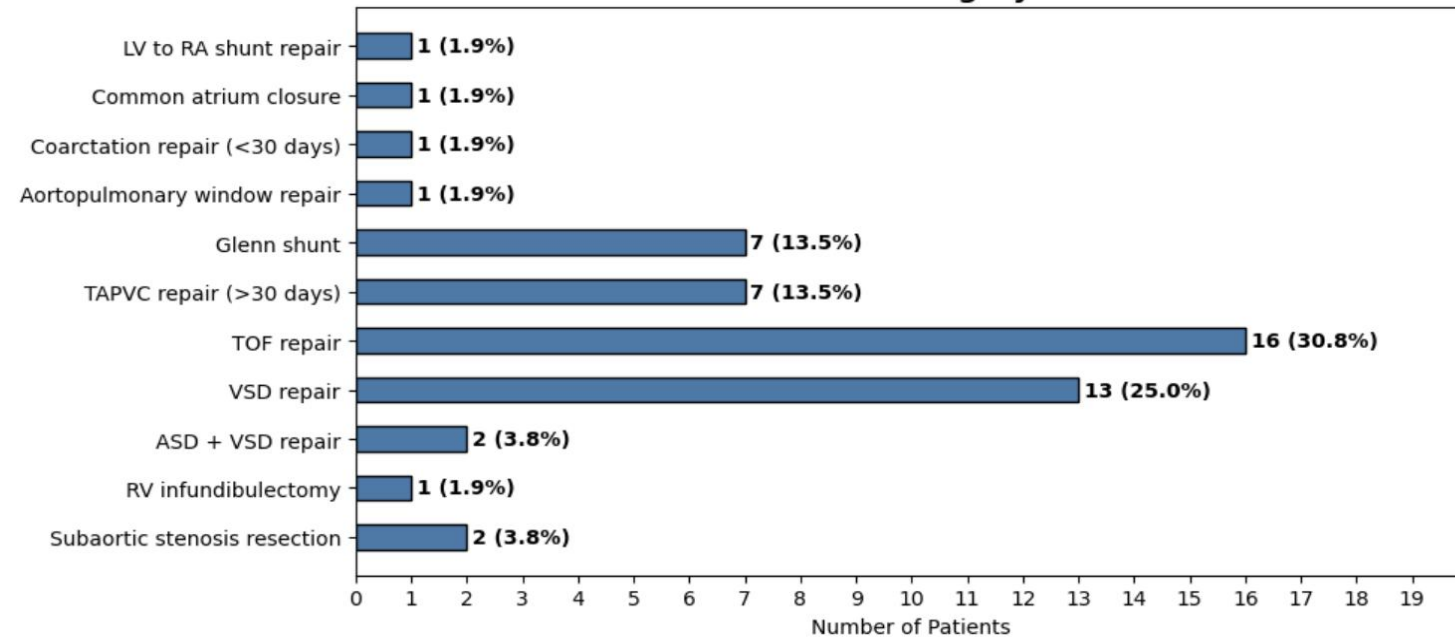
Distribution of RACHS Risk Categories

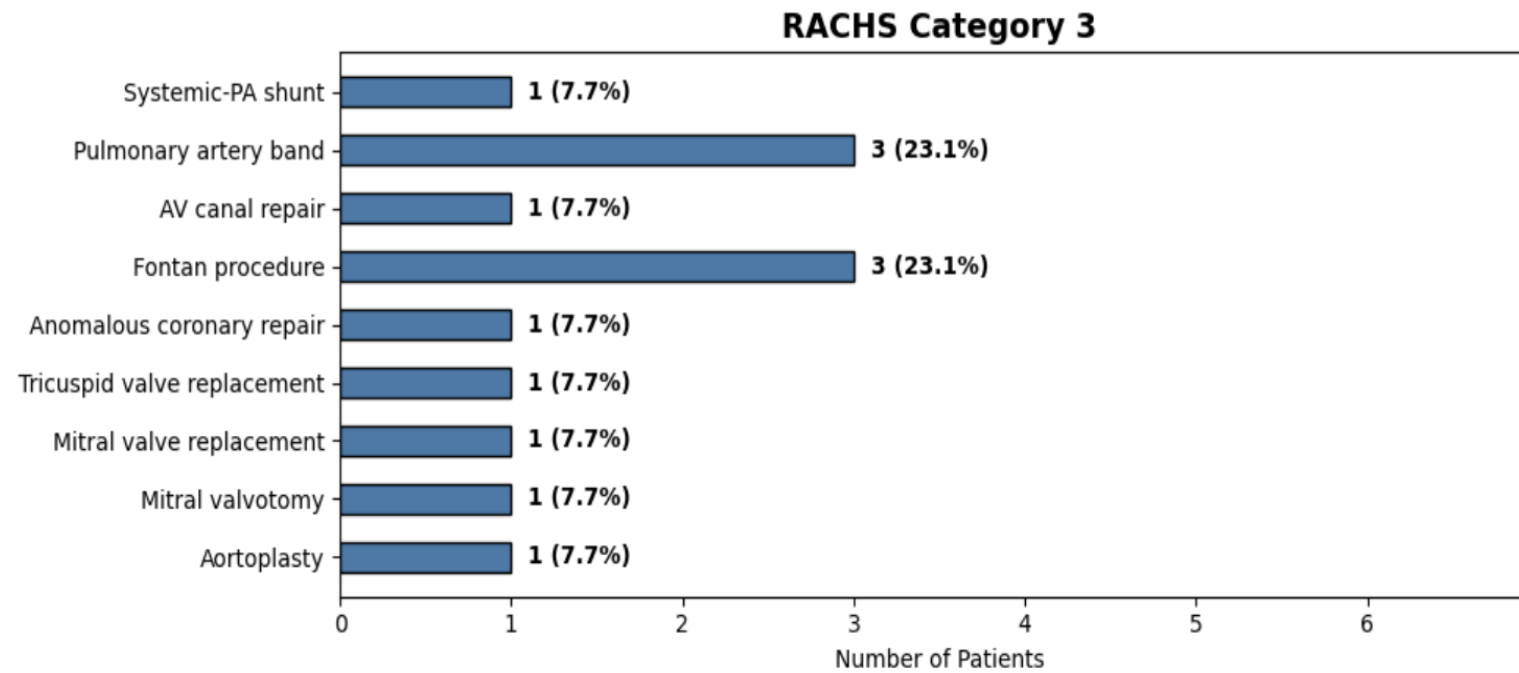


RACHS Category 1

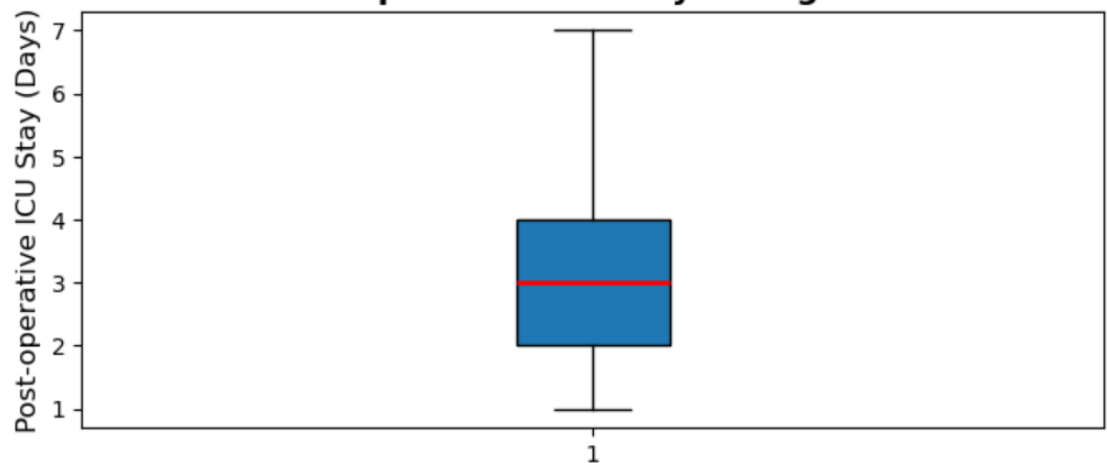


RACHS Category 2



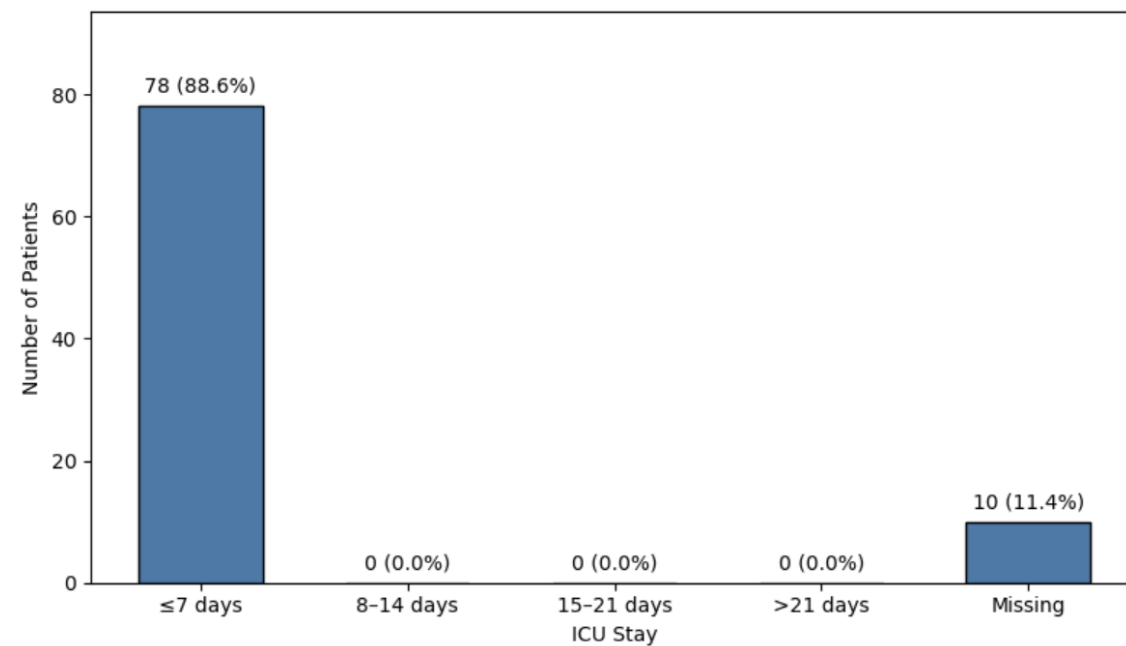


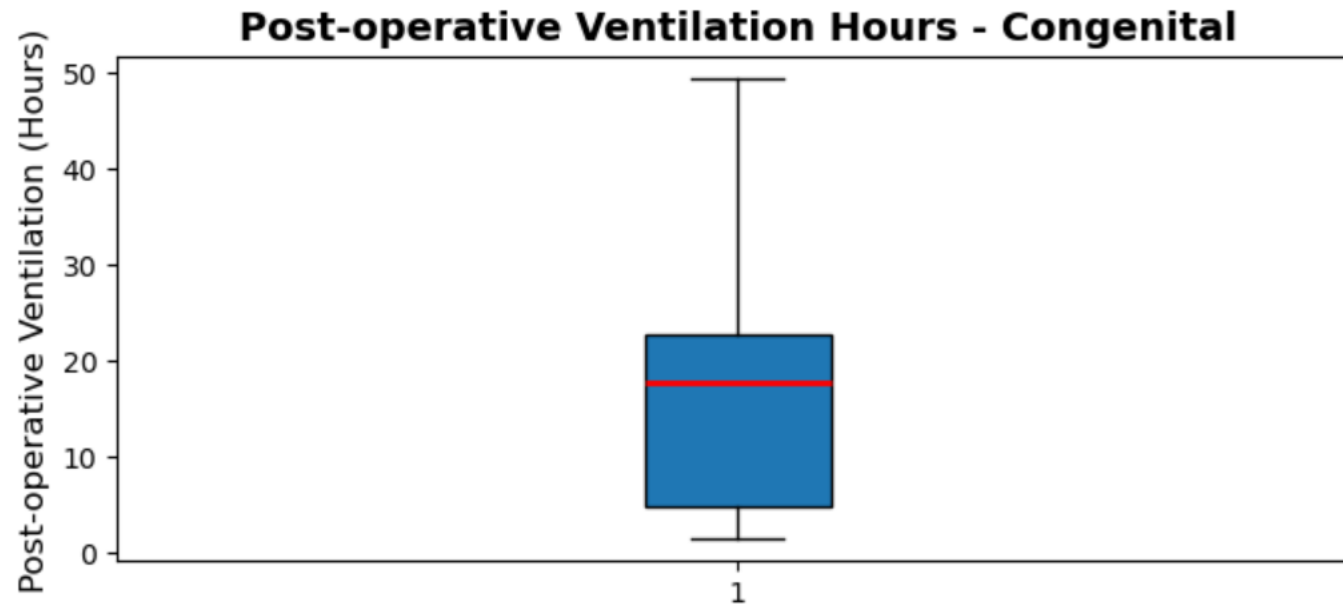
Post-operative ICU Stay - Congenital



Mean: 3.1 days Median: 3.0 days Q1: 2.0 days Q3: 4.0 days IQR: 2.0 days Outliers: 0

Initial ICU Stay - Congenital





Mean: 17.4 hrs Median: 17.8 hrs Q1: 4.7 hrs Q3: 22.6 hrs IQR: 17.9 hrs Outliers: 1

Mortality Status - Congenital

