

SUPPLEMENTARY TABLES

Supplementary Table 1. ICD-9 codes of diagnosis and procedures

Diagnosis/Procedure	ICD-9 Code(s)
Left ventricular assist device	3766
Orthotopic heart transplant	3751, 375
Swan-Ganz catheterization	8964
Diabetes	25000-25099
Disorders of lipid metabolism	2720-2729
Hypertension	4010-4019
History of or current use of tobacco	V1582, 3051
BMI ≥ 30 kg/m ²	27800, 27801
Reoperation	3403, 3764, 3479, 341, 3749
Sepsis	99591, 99592
Acute respiratory failure	51881
Postoperative cardiac complication	9971, 4294
Acute renal failure	5845-5849
Postoperative bleeding	4513, 4523, 9904, 9905, 9907, 9909
Stroke	43491
Acute liver failure	570
Device failure	99609

Supplementary Table 2. Baseline demographics between LVADs from our sample dataset and all adult (≥ 18 years old) LVADs in the Nationwide Inpatient Sample (NIS)

	Sample LVADs (n = 2200)	Total NIS LVADs (n = 3219)	p-value
Mortality, n (%)	590 (26.5)	564 (27.0)	0.968
Same admission OHT, n (%)	164 (7.5)	267 (8.3)	0.241
Length of stay, mean \pm SD	40.5 \pm 38.9	41.2 \pm 40.2	0.548
Age, mean \pm SD	53.4 \pm 13.7	54.5 \pm 13.3	0.412
Sex, n (%)			0.691
Male	1659 (75.4)	2434 (75.9)	
Female	541 (24.6)	772 (24.1)	
Race, n (%)			<0.001
White	1274 (57.9)	1742 (54.3)	
Black	352 (16.0)	444 (13.9)	
Hispanic	142 (6.5)	169 (5.3)	
Asian/Pacific Islander	51 (2.3)	57 (1.8)	
Native American	5 (0.2)	11 (0.3)	
Other or unknown	376 (17.1)	783 (24.4)	
Median household income, n (%)			0.571
\$1-24,999	475 (21.6)	637 (19.9)	
\$25,000-34,999	491 (22.3)	738 (23.1)	
\$35,000-44,999	552 (25.1)	832 (25.8)	
\$45,000 or more	631 (28.7)	932 (29.1)	
Unknown	51 (2.3)	67 (2.1)	
Comorbidities			
Diabetes	392 (17.8)	535 (16.6)	0.266
Hyperlipidemia	310 (14.1)	420 (13.0)	0.287
Hypertension	301 (13.7)	418 (13.0)	0.483
History of smoking	144 (6.5)	201 (6.2)	0.697
BMI ≥ 30 kg/m ²	96 (4.4)	130 (4.0)	0.604
Number of comorbid diagnosis, mean \pm SD	12.7 \pm 2.9	12.4 \pm 3.0	0.945

SD, Standard Deviation; BMI, Body Mass Index; LVAD, Left Ventricular Assist Device; OHT, Orthotopic Heart Transplant

Supplementary Table 3. Baseline demographics of all LVAD patients, LVAD patients who underwent OHT, and LVAD patients who did not undergo OHT

	All LVADs (n = 2200)	OHT- (n = 2036)	OHT+ (n = 164)
Mortality, n (%)	590 (26.5)	564 (27.3)	26 (15.9)
Length of stay, mean \pm SD	40.5 \pm 38.9	37.1 \pm 34.6	82.8 \pm 59.3
Age, mean \pm SD	53.4 \pm 13.7	55.4 \pm 13.2	48.2 \pm 13.5
Sex, n (%)			
Male	1659 (75.4)	1525 (74.9)	134 (81.7)
Female	541 (24.6)	511 (25.1)	30 (18.3)
Race, n (%)			
White	1274 (57.9)	1185 (58.2)	89 (54.3)
Black	352 (16.0)	330 (16.2)	22 (13.4)
Hispanic	142 (6.5)	125 (6.1)	17 (10.4)
Asian/Pacific Islander	51 (2.3)	44 (2.2)	7 (4.3)
Native American	5 (0.2)	5 (0.2)	0 (0.0)
Other or unknown	376 (17.1)	347 (17.0)	29 (17.7)
Median household income, n (%)			
\$1-24,999	475 (21.6)	447 (22.0)	28 (17.1)
\$25,000-34,999	491 (22.3)	454 (22.3)	37 (22.6)
\$35,000-44,999	552 (25.1)	509 (25.0)	43 (26.2)
\$45,000 or more	631 (28.7)	579 (28.4)	52 (31.7)
Unknown	51 (2.3)	47 (2.3)	4 (2.4)
Comorbidities			
Diabetes	392 (17.8)	373 (18.3)	19 (11.6)
Hyperlipidemia	310 (14.1)	297 (14.6)	13 (7.9)
Hypertension	301 (13.7)	291 (14.3)	10 (6.1)
History of smoking	144 (6.5)	137 (6.7)	7 (4.3)
BMI \geq 30 kg/m ²	96 (4.4)	96 (4.7)	0 (0.0)
Number of comorbid diagnosis, mean \pm SD	12.7 \pm 2.9	12.8 \pm 2.9	12.3 \pm 3.1
Location of hospital, n (%)			
Rural	17 (0.8)	17 (0.8)	0 (0.0)
Urban	2181 (99.1)	2017 (99.1)	164 (100.0)

Unknown	2 (0.1)	2 (0.1)	0 (0.0)
Size of hospital, n (%)			
Small	38 (1.7)	32 (1.6)	6 (3.7)
Medium	229 (10.4)	211 (10.4)	18 (11.0)
Large	1931 (87.8)	1791 (88.0)	140 (85.4)
Unknown	2 (0.1)	2 (0.1)	0 (0.0)
Teaching status of hospital, n (%)			
Nonteaching	165 (7.5)	160 (7.9)	5 (3.0)
Teaching	2033 (92.4)	1874 (92.0)	159 (97.0)
Unknown	2 (0.1)	2 (0.1)	0 (0.0)

SD, Standard Deviation; BMI, Body Mass Index; LVAD, Left Ventricular Assist Device; OHT, Orthotopic Heart Transplant