| Variable | Overall (n=39,868) | ODOR (n=581) | ODYR (n=469) | YDOR (n=13,825) | YDOR (n=24,993) | P-Value |
|---|----------------------|----------------------|----------------------|----------------------|----------------------|---------|
| Age (Years) | 56 (46, 63) | 66 (63, 69) | 54 (48, 57) | 65 (63, 68) | 49 (39, 55) | < 0.001 |
| Male Sex | 30,496 (73.8%) | 448 (77.1%) | 315 (67.2%) | 10,910 (78.9%) | 17,708 (70.9%) | < 0.001 |
| Race | | | | (, 0.5 . 5) | (, 0.5 . 5) | < 0.001 |
| White | 26,555 (64.2%) | 437 (75.2%) | 304 (64.8%) | 10,133 (73.3%) | 14,645 (58.6%) | |
| Black | 9,130 (22.1%) | 90 (15.5%) | 95 (20.3%) | 2,208 (16%) | 6,474 (25.9%) | |
| Hispanic | 3,749 (9.1%) | 30 (5.2%) | 44 (9.4%) | 937 (6.8%) | 2,607 (10.4%) | |
| Asian | 1,422 (3.4%) | 20 (3.4%) | 18 (3.8%) | 425 (3.1%) | 920 (3.7%) | |
| Other | 494 (1.2%) | 4 (0.7%) | 8 (1.7%) | 122 (0.9%) | 347 (1.4%) | |
| BMI (kg/m2) | 27.3 (23.9, 31) | 27.1 (23.5, 29.9) | 27.5 (24.1, 30.9) | 26.8 (23.8, 30) | 27.6 (23.9, 31.6) | < 0.001 |
| Weight | 82.6 (70.8, 95.5) | 80.7 (70, 92.1) | 82.6 (68.5, 97.4) | 81.6 (71.2, 93.2) | 83.4 (70.3, 97.1) | < 0.001 |
| Diabetes | 11,506 (27.9%) | 171 (29.6%) | 131 (28.1%) | 4,787 (34.8%) | 5,873 (23.6%) | < 0.001 |
| Creatinine (mg/dL) | 1.1 (0.9, 1.4) | 1.3 (1, 1.6) | 1.1 (0.9, 1.4) | 1.2 (1, 1.5) | 1.1 (0.9, 1.4) | < 0.001 |
| GFR (mL/min/1.73m2) | 62 (47.2, 82.6) | 51.1 (39.6, 65.2) | 65.1 (48.2, 83.4) | 53.9 (41.9, 68.6) | 68.4 (52.4, 91.4) | < 0.001 |
| Pre-Operative Dialysis | 903 (2.2%) | 8 (1.4%) | 13 (2.8%) | 230 (1.7%) | 620 (2.5%) | < 0.001 |
| Diagnosis | | | | | | < 0.001 |
| Ischemic Dilated Cardiomyopathy | 13,666 (33.1%) | 273 (47.2%) | 142 (30.3%) | 6,569 (47.6%) | 6,054 (24.3%) | |
| Non-Ischemic Dilated Cardiomyopathy | 21,822 (52.9%) | 238 (41.2%) | 238 (50.9%) | 5,739 (41.6%) | 14,905 (59.8%) | |
| Other | 5,701 (13.8%) | 67 (11.6%) | 88 (18.8%) | 1,467 (10.6%) | 3,927 (15.8%) | |
| IV Inotrope Requirement | 15,807 (38.2%) | 221 (38%) | 194 (41.4%) | 5,337 (38.6%) | 9,480 (37.9%) | 0.293 |
| Mean Pulmonary Artery Pressure (mm Hg) | 26 (20, 34) | 26 (20, 33) | 26 (18, 34) | 26 (20, 33) | 27 (20, 35) | 0.007 |
| Cardiac Output | 4.3 (3.5, 5.3) | 4.2 (3.5, 5.2) | 4.3 (3.3, 5.3) | 4.3 (3.5, 5.2) | 4.3 (3.4, 5.3) | 0.301 |
| PCWP | 17 (11, 24) | 18 (11, 24) | 16 (11, 24) | 17 (11, 23) | 18 (11, 25) | < 0.001 |
| Days On Wait List | 62 (16, 223) | 65 (16, 228) | 58 (17, 207) | 61 (16, 226) | 62 (17, 220) | 0.772 |
| Pre-Operative Mechanical Support | | | | | | < 0.001 |
| No Mechanical Support | 19,001 (46%) | 339 (58.3%) | 259 (55.2%) | 6,577 (47.6%) | 11,119 (44.5%) | |
| Durable LVAD | 13,058 (31.6%) | 156 (26.9%) | 127 (27.1%) | 4,247 (30.7%) | 8,065 (32.3%) | |
| Pre IABP | 5,635 (13.6%) | 60 (10.3%) | 48 (10.2%) | 2,108 (15.2%) | 3,215 (12.9%) | |
| Temporary VAD | 1,237 (3%) | 8 (1.4%) | 12 (2.6%) | 414 (3%) | 767 (3.1%) | |
| BIVAD | 841 (2%) | 8 (1.4%) | 10 (2.1%) | 152 (1.1%) | 647 (2.6%) | |
| TAH | 281 (0.7%) | 1 (0.2%) | 0 (0%) | 52 (0.4%) | 212 (0.8%) | |
| ЕСМО | 1,297 (3.1%) | 9 (1.5%) | 13 (2.8%) | 275 (2%) | 968 (3.9%) | |
| Status | | | | | | < 0.001 |
| Status 1A (Pre-2018) | 6,349 (15.4%) | 68 (11.7%) | 89 (19%) | 1,868 (13.5%) | 4,107 (16.4%) | |
| Status 1B (Pre-2018) | 11,880 (28.7%) | 167 (28.7%) | 130 (27.7%) | 3,923 (28.4%) | 7,253 (29%) | |

| | 1 | | | 1 | 1 | |
|--------------------------|-----------------|--------------|--------------|--------------|--------------|---------|
| Status 2 (Pre-2018) | 7,843 (19%) | 158 (27.2%) | 136 (29%) | 2,700 | 4,512 | |
| | | | | (19.5%) | (18.1%) | |
| Status 1 | 865 (2.1%) | 2 (0.3%) | 4 (0.9%) | 177 (1.3%) | 656 (2.6%) | |
| | ` ' | , , | , , | ` ´ | , , | |
| Status 2 | 4,753 (11.5%) | 38 (6.5%) | 24 (5.1%) | 1,647 | 2,904 | |
| | | | | (11.9%) | (11.6%) | |
| Status 3 | 1,788 (4.3%) | 22 (3.8%) | 14 (3%) | 559 (4%) | 1,120 (4.5%) | |
| | , , , | ` ′ | ` ' | ` / | , , , | |
| Status 4 | 4,642 (11.2%) | 76 (13.1%) | 42 (9%) | 1,611 | 2,743 (11%) | |
| | | | | (11.7%) | | |
| Status 5 | 21 (0.1%) | 0 (0%) | 2 (0.4%) | 9 (0.1%) | 9 (0%) | |
| | ` ′ | ` / | , , | ` ′ | ` ′ | |
| Status 6 | 2,541 (6.1%) | 40 (6.9%) | 20 (4.3%) | 1,131 (8.2%) | 1,263 (5.1%) | |
| | | | | | | |
| Inactive | 664 (1.6%) | 10 (1.7%) | 8 (1.7%) | 199 (1.4%) | 424 (1.7%) | |
| | | | | | | |
| Hospitalization Prior to | | | | | | < 0.001 |
| Transplant | | | | | | |
| Not Hospitalized | 18,833 (46%) | 332 (57.5%) | 239 (51.3%) | 6,531 | 11,056 | |
| | , , , , | , , , | , , , , | (47.7%) | (44.7%) | |
| Hospitalized | 6,202 (15.1%) | 84 (14.6%) | 63 (13.5%) | 1,929 | 3,905 | |
| 1 | , , , | ` ′ | , , | (14.1%) | (15.8%) | |
| In ICU | 15,927 (38.9%) | 161 (27.9%) | 164 (35.2%) | 5,225 | 9,799 | |
| | 10,727 (30.770) | 101 (27.570) | 10. (33.270) | (38.2%) | (39.6%) | |
| | 1 | | | (50.270) | (37.070) | 1 |

Values are reported as median, IQR (interquartile range) or mean, SD (standard deviation) or n, % (categorical variables). BMI, body mass index; BIVAD; Bi-ventricular assist device; ECMO, extracorporeal membrane oxygenation; GFR, glomerular filtration rate; IABP, intra-aortic balloon pump; LVAD, left-ventricular assist device; PCWP, pulmonary capillary wedge pressure; VAD, ventricular assist device.

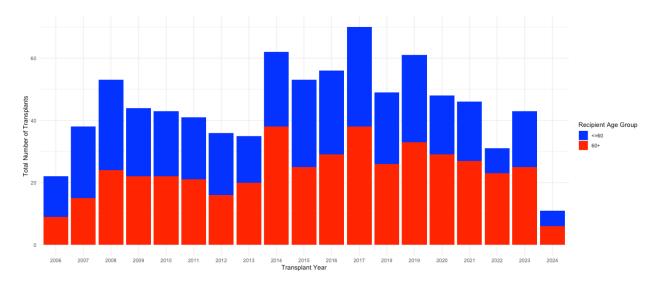
| | Overall | | | YDOR | YDOR | |
|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------|
| Variable | (39,868) | ODOR (581) | ODYR (469) | (13,825) | (24,993) | P-Value |
| Age | 31 (23, 40) | 57 (56, 59) | 57 (56, 58) | 32 (24, 41) | 30 (22, 38) | < 0.001 |
| Male Sex | 29,469 (71.3%) | 358 (61.6%) | 259 (55.2%) | 9,872 (71.4%) | 17,916 (71.7%) | < 0.001 |
| Ethnicity | | | | | | < 0.001 |
| White | 26,402 (63.9%) | 424 (73%) | 332 (70.8%) | 8,877 (64.2%) | 15,820 (63.3%) | |
| Black | 6,704 (16.2%) | 63 (10.8%) | 66 (14.1%) | 2,221 (16.1%) | 4,128 (16.5%) | |
| Hispanic | 7,071 (17.1%) | 77 (13.3%) | 62 (13.2%) | 2,327 (16.8%) | 4,343 (17.4%) | |
| Asian | 691 (1.7%) | 13 (2.2%) | 8 (1.7%) | 232 (1.7%) | 413 (1.7%) | |
| Other | 482 (1.2%) | 4 (0.7%) | 1 (0.2%) | 168 (1.2%) | 289 (1.2%) | |
| CDC High Risk | 9,205 (22.3%) | 50 (8.6%) | 35 (7.5%) | 3,234 (23.5%) | 5,537 (22.2%) | < 0.001 |
| Coronary Artery Disease | 1,249 (3%) | 58 (10.1%) | 34 (7.3%) | 465 (3.4%) | 646 (2.6%) | < 0.001 |
| Smoking History | 5,316 (13.1%) | 144 (25.6%) | 116 (25.3%) | 1,927 (14.2%) | 2,925 (11.9%) | < 0.001 |
| Recent Cocaine Use | 8,460 (22%) | 80 (14.6%) | 58 (12.9%) | 2,962 (23.1%) | 5,050 (21.7%) | < 0.001 |
| Diabetes | 1,546 (3.8%) | 52 (9%) | 44 (9.4%) | 541 (3.9%) | 843 (3.4%) | < 0.001 |
| HgbA1C | 5.3 (5.1, 5.5) | 5.6 (5.2, 5.8) | 5.5 (5.4, 5.7) | 5.3 (5.1, 5.6) | 5.3 (5.1, 5.5) | < 0.001 |
| Diabetes Duration | | | | | | 0.128 |
| 0-5 Years | 758 (55%) | 31 (62%) | 28 (70%) | 242 (51.3%) | 426 (56.3%) | |
| 6-10 Years | 233 (16.9%) | 9 (18%) | 7 (17.5%) | 87 (18.4%) | 123 (16.3%) | |
| > 10 Years | 386 (28%) | 10 (20%) | 5 (12.5%) | 143 (30.3%) | 207 (27.4%) | |
| Hypertension | 6,306 (15.4%) | 242 (41.9%) | 192 (41.1%) | 2,264 (16.5%) | 3,384 (13.7%) | < 0.001 |
| BMI | 26.6 (23.4, 30.7) | 27.7 (24.6, 31.2) | 27.6 (24.5, 31.2) | 26.6 (23.4, 30.7) | 26.5 (23.3, 30.7) | < 0.001 |
| Donor Cause of Death | | , | | | , | < 0.001 |
| Neuro (Seizure/CVA) | 7,887 (19.1%) | 292 (50.3%) | 255 (54.5%) | 2,668 (19.3%) | 4,390 (17.6%) | |
| Drug Overdose | 6,787 (16.4%) | 27 (4.6%) | 24 (5.1%) | 2,397 (17.3%) | 4,095 (16.4%) | |
| Asphyxiation | 2,238 (5.4%) | 18 (3.1%) | 9 (1.9%) | 769 (5.6%) | 1,364 (5.5%) | |
| Cardiovascular | 3,359 (8.1%) | 44 (7.6%) | 47 (10%) | 1,203 (8.7%) | 1,943 (7.8%) | |
| Trauma (GSW/Stab/Blunt) | 19,092 (46.2%) | 179 (30.8%) | 122 (26.1%) | 6,132 (44.4%) | 11,970 (47.9%) | |
| Drowning | 240 (0.6%) | 1 (0.2%) | 1 (0.2%) | 79 (0.6%) | 151 (0.6%) | |
| Other | 1,739 (4.2%) | 20 (3.4%) | 10 (2.1%) | 576 (4.2%) | 1,074 (4.3%) | |
| Bloodstream Infection | 3,987 (9.6%) | 52 (9%) | 45 (9.6%) | 1,343 (9.7%) | 2,407 (9.6%) | 0.939 |
| Clinical Infection | 29,383 (72.1%) | 405 (71.2%) | 301 (65.4%) | 10,037 (73.6%) | 17,590 (71.5%) | < 0.001 |
| Pulmonary Infection | 26,560 (64.2%) | 361 (62.1%) | 269 (57.4%) | 9,100 (65.8%) | 15,869 (63.5%) | < 0.001 |
| Creatinine | 1 (0.8, 1.5) | 1 (0.7, 1.3) | 1 (0.7, 1.3) | 1 (0.8, 1.5) | 1 (0.8, 1.5) | 0.002 |

| Alcohol Use | 7,224 (17.9%) | 127 (22.3%) | 114 (24.5%) | 2,538 (18.9%) | 4,176 | < 0.001 |
|---------------------|----------------|-------------|-------------|---------------|---------|---------|
| | | | | | (17.2%) | |
| Extracranial Cancer | 70 (0.2%) | 4 (0.7%) | 2 (0.4%) | 32 (0.2%) | 31 | 0.001 |
| | , , , | , , , | , , , , | , , , | (0.1%) | |
| MI History | 305 (0.7%) | 5 (0.9%) | 6 (1.3%) | 104 (0.8%) | 177 | 0.504 |
| | , , , | , , , | , , , , | , , , | (0.7%) | |
| Inotrope Use | 16,238 (39.7%) | 262 (45.9%) | 226 (48.9%) | 5,260 (38.4%) | 9,878 | < 0.001 |
| | , , , , | | | | (39.9%) | |

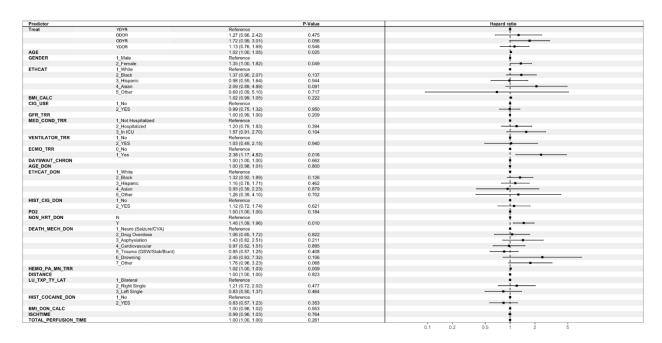
Values are reported as median, IQR (interquartile range) or mean, SD (standard deviation) or n, % (categorical variables). BMI, body mass index; CDC, Center for Disease Control; CVA, cerebrovascular accident; GSW, gunshot wound; MI, myocardial infarction

| | 011 | ı | ODVD | VDOD | YDOR | n |
|--|------------------|----------------|-------------------|------------------|------------------|--------------------|
| Variable | Overall (39,868) | ODOR (581) | ODYR (469) | YDOR (13,825) | (24,993) | P- Value |
| Average Yearly Center Volume | 24.9 (16.7, | 28.4 (18.3, | 30 (18.8, | 24.9 (16.8, | 24.2 (16.5, | < |
| | 38.8) | 47.1) | 47.1) | 38.8) | 38.8) | 0.001 |
| Distance Traveled (Nautical Miles) | 156 (27, 350) | 165 (30, 386) | 107 (23, 353) | 154 (27, 351) | 157 (27, 350) | 0.188 |
| Ischemia Time (Hours | 3.3 (2.6, 3.9) | 3.4 (2.7, 4) | 3.3 (2.5, 4) | 3.3 (2.6, 3.9) | 3.3 (2.6, 3.9) | 0.242 |
| Length of Stay (Days) | 15 (11, 23) | 17 (12, 28) | 16 (11, 25) | 16 (11, 25) | 15 (11, 23) | < 0.001 |
| Postoperative Dialysis | 4,986 (12.2%) | 99 (17.3%) | 70 (15.1%) | 1,785 (13.1%) | 2,855 (11.6%) | < 0.001 |
| Postoperative Stroke | 1,287 (3.2%) | 18 (3.1%) | 13 (2.8%) | 470 (3.5%) | 727 (3%) | 0.061 |
| Postoperative Pacemaker | 1,040 (2.6%) | 33 (5.8%) | 23 (5%) | 339 (2.5%) | 608 (2.5%) | < 0.001 |
| Acute Rejection Before Discharge | | | | | | < 0.001 < 0.001 |
| YesTreated with Immunosuppresant | 4,200 (10.3%) | 38 (6.6%) | 50 (10.8%) | 1,018 (7.5%) | 2,966 (12%) | |
| YesNot Treated with Immunosuppresant | 3,193 (7.8%) | 55 (9.6%) | 49 (10.6%) | 1,059 (7.8%) | 1,922 (7.8%) | |
| In Hospital Mortality | 1,748 (4.4%) | 49 (8.7%) | 27 (6%) | 712 (5.3%) | 903 (3.7%) | < 0.001 |
| Acute Rejection Before Discharge | 7,393 | 93 (16.2%) | 99 | 2,077 | 4,888 | < |
| (Simple) Treated for Rejection in 1st Year | (18.1%) | 48 (11.1%) | (21.3%) | (15.2%) | (19.8%) | 0.001 |
| Treated for Rejection in 1st Year | 6,183 (18.8%) | 48 (11.1%) | 77 (20.3%) | 1,601 (14.9%) | 4,256 (21.1%) | 0.001 |
| Cause of Death | | | | | | < 0.001 |
| Cardio/Cerebrovascular | 2,458 (25%) | 39 (17.2%) | 41 (30.4%) | 650 (17.1%) | 1,651 (31.2%) | |
| Graft Failure-Acute Rejection | 371 (3.8%) | 10 (4.4%) | 1 (0.7%) | 58 (1.5%) | 296 (5.6%) | |
| Graft Failure-Chronic Rejection | 259 (2.6%) | 3 (1.3%) | 0 (0%) | 49 (1.3%) | 201 (3.8%) | |
| Graft Failure-Other | 143 (1.5%) | 2 (0.9%) | 0 (0%) | 38 (1%) | 101 (1.9%) | |
| Graft Failure-Primary | 403 (4.1%) | 9 (4%) | 10 (7.4%) | 140 (3.7%) | 229 (4.3%) | |
| Infection | 1,924 (19.5%) | 52 (22.9%) | 26 (19.3%) | 870 (22.9%) | 888 (16.8%) | |
| Malignancy | 1,136 (11.5%) | 32 (14.1%) | 14 (10.4%) | 611 (16.1%) | 427 (8.1%) | |
| Pulmonary | 749 (7.6%) | 24 (10.6%) | 10 (7.4%) | 377 (9.9%) | 303 (5.7%) | |
| Other | 2,405 (24.4%) | 56 (24.7%) | 33 (24.4%) | 1,010 (26.6%) | 1,199 (22.6%) | |
| Cardiac Output 24 Hours | 6.2 (5.1, 7.6) | 6.2 (5.2, 7) | 5.1 (4.6, 6.3) | 6.1 (5, 7.4) | 6.3 (5.2, 7.8) | 0.01 |
| Cardiac Output 72 Hours | 6.4 (5.2, 7.7) | 6.2 (5.3, 7.1) | 5.4 (4.8, 7) | 6.2 (5.2, 7.5) | 6.6 (5.3, 7.8) | 0.067 |
| ECMO 24 Hours | 164 (7%) | 3 (9.7%) | 0 (0%) | 55 (6.8%) | 100 (7%) | 0.548 |
| ECMO 72 Hours | 126 (5.4%) | 1 (3.2%) | 0 (0%) | 44 (5.4%) | 77 (5.4%) | 0.66 |
| PGD 24 Hours | 227 (11.1%) | 5 (20.8%) | 0 (0%) | 83 (12%) | 132 (10.6%) | < 0.001 |
| PGD 72 Hours | 170 (8.4%) | 4 (16.7%) | 1 (6.2%) | 56 (8.1%) | 103 (8.3%) | 0.001 |
| RA Pressure 24 Hours | 11 (8, 14) | 12 (7, 15) | 9 (7, 11) | 10 (8, 14) | 12 (9, 15) | < 0.001 |
| RA Pressure 72 Hours | 12 (8, 15) | 11 (8, 15.5) | 14 (6, 14.5) | 11 (8, 14) | 12 (8, 15) | 0.023 |

Values are reported as median, IQR (interquartile range) or mean, SD (standard deviation) or n, % (categorical variables). ECMO, extracorporeal membrane oxygenation; GFR, glomerular filtration rate; IABP, intra-aortic balloon pump; LVAD, left-ventricular assist device; PCWP, pulmonary capillary wedge pressure; VAD, ventricular assist device.



Supplemental Figure 1 Bar graph of old/young recipients per year.



Supplemental Figure 2 Forest plot for multivariable cox regression analysis