SUPPLEMENTAL MATERIAL

Table S1: Candidate demographic, socioeconomic, hemodynamic, and medical factors of All Adult Heart Transplant Candidates listed from July 12th 2000 to July 11th 2015.

	July 12th 2000– July 11th 2003 (N = 8,396)	July 12th 2003– July 11th 2006 (N =7,284)	July 12th 2006 – Dec. 31st 2010 (N = 12,629)	Jan. 1st 2011– July 11th 2015 (N = 15,193)
Mean Candidate Age (years)*	51	50.7	51.7	52.7
Mean Candidate Height (cm)	173.9	173.9	174	174
Mean Candidate Weight (kg)*	81.9	82.3	83.6	84
Mean Candidate BMI* (kg/m^2)	27	27.2	27.5	27.6
Gender	%	%	%	%
Male*	24	24	25	26
Female*	76	76	75	74
Race		%	%	%
White*	75	72	68	65
Black*	15	17	21	23
Asian*	2	2	3	3
Hispanic*	7	8	8	8
Other†	1	1	1	1
Hemodynamic Data				
Mean Candidate O2 consumption (ml/kg/min)	11.7	11.5	11.7	11.6
Candidate on inotropes/vasodilators at time of measurement:				
Mean CI (L/min/m^2)	2.29	2.27	2.24	2.22
Mean PA (mmHg)	30.1	30.8	31.4	31.2
Mean PCWP	20.2	20.8	21.3	21.0
Candidate not on inotropes/vasodilators at time of measurement:				
Mean CI (L/min/m^2)	2.17	2.08	2.10	2.16
Mean PA (mmHg)	28.4	29.4	29.8	28.4
Mean PCWP	19.3	20.1	20.3	18.8

	July 12th 2000– July 11th 2003 (N = 8,396)	July 12th 2003– July 11th 2006 (N =7,284)	July 12th 2006 – Dec. 31st 2010 (N = 12,629)	Jan. 1st 2011– July 11th 2015 (N = 15,193)
Diagnosis	%	%	%	%
Dilated Cardiomyopathy, Non-Ischemic*	38	40	41	42
Ischemic Cardiomyopathy*	47	43	39	35
Restrictive Cardiomyopathy*	4	5	7	11
Other	11	13	12	11
Comorbidities				
Diabetes Mellitus *	21	25	28	29
Symptomatic Cerebrovascular Disease*	4	4	4	6
History of Malignancy*	4	5	6	8
History of any Smoking*	-	51	49	47
Prior known Cardiac Surgery*	-	27	38	42
Renal Function				
On Dialysis	2	3	3	3
<30 ml/min/1.73 m^2	6	6	5	5
30-59 ml/min/1.73 m^2	40	41	40	38
≥ 60 ml/min/1.73 m^2	52	51	52	54
Blood Type				
A*	39.9	39	38.3	36.8
AB	4.3	4.4	4.3	5
B†	12.8	13.5	13	14.2
O	43	43	44.3	44
ICD use				
ICD present*	36	59	75	76
Location				
Intensive Care Unit*	31	28	29	26
Hospitalized, not in ICU*	16	19	19	18

	July 12th 2000– July 11th 2003 (N = 8,396)	July 12th 2003– July 11th 2006 (N =7,284)	July 12th 2006 – Dec. 31st 2010 (N = 12,629)	Jan. 1st 2011– July 11th 2015 (N = 15,193)
Not Hospitalized	54	53	52	56
Functional Status	%	%	%	%
Limited Impairment (Good)*	-	-	34	32
Moderate Impairment*	-	-	33	36
Severe Impairment†	-	-	31	29
Education				
high school or less*	66	61	55	47
college or more*	34	39	45	53
Employment				
Working for Income*	-	-	9	11
Payor				
Private Insurance*	61	57	56	51
Medicaid	12	12	12	12
Medicare*	22	25	29	33
Other*	6	6	4	4

Equal sized year bins of four years each constructed for ease of visualization. *p<0.001 for trend † p <0.01 for trend by year from 2000-2015†. BMI = Body Mass Index. CI= Cardiac index. ICD = Implantable Cardiodefibrillator. ICU = Intensive Care Unit. PA = Pulmonary Artery. PCWP = Pulmonary Capillary Wedge Pressure.

Given the large number of observations in the dataset, almost all characteristics had a small statistically significant test for trend over time (by year of listing). *p<0.001 for trend † p <0.01 for trend by year from 2000-2015. Candidate smoking history and cardiac surgery history were not recorded prior to 2003. Work history and functional status were not recorded prior to 2005. *A priori*, we categorized functional status into Severe (0-30%, severely disabled requiring hospitalization or worse), Moderate (40-60%, disabled requiring significant assistance but not hospitalization), and Limited Impairment (70-100%, able to care for self, living independently with no or minimal assistance).

Table S2: Adjusted hierarchal logistic regression models with fixed effects by center
Model 1: Odds of Status 1A listing for all candidates, July 12th 2000- July 11th 2006.

N = 11,730 Centers = 124	Odds Ratio Status 1A	p-value	[95% Conf. Interval]	
Year(baseline july 2000-july 2001)				
July 2005-July 2006	**0.981**	**0.873**	**0.781**	**1.234**
July 2004-July 2005	1.039	0.742	0.830	1.300
July 2003-July 2004	1.225	0.077	0.979	1.534
July 2002-July 2003	0.950	0.639	0.765	1.179
July 2001-July 2002	1.075	0.501	0.871	1.328
Candidate Variables				
Age	1.000	0.965	0.994	1.006
Height (cm)	1.002	0.719	0.993	1.010
Blood Type				
AB	0.843	0.295	0.613	1.160
B	1.072	0.497	0.877	1.310
O	0.954	0.511	0.828	1.099
Male gender	1.095	0.374	0.897	1.336
BMI				
25-29	0.897	0.160	0.772	1.044
30-34	0.764	0.004	0.637	0.917
≥35	0.663	0.004	0.502	0.874
Medical condition				
Hospitalized, not in ICU	0.109	0.000	0.091	0.130
Not hospitalized	0.012	0.000	0.010	0.016
Race				
Black	1.003	0.973	0.833	1.209
Asian	1.131	0.572	0.739	1.730
Hispanic	0.911	0.517	0.687	1.208
Other	0.992	0.979	0.539	1.825
College Education	0.904	0.153	0.786	1.038
Payor				
Medicaid	1.188	0.104	0.965	1.462
Medicare	0.853	0.057	0.723	1.005
Other	0.961	0.791	0.716	1.290
Diagnosis				
ischemic CM	1.114	0.175	0.953	1.302
restrictive CM	0.738	0.074	0.529	1.030
other	0.923	0.511	0.728	1.171
Diabetes	0.975	0.751	0.833	1.141
Renal Function				
30-59 ml/min/1.73 m^2	0.945	0.441	0.820	1.090
<30 ml/min/1.73 m^2	1.164	0.260	0.894	1.515
on dialysis	1.677	0.007	1.151	2.445
History of CVA	0.913	0.608	0.644	1.293
History of Malignancy	1.044	0.778	0.773	1.411
ICD	0.673	0.000	0.586	0.773
Cardiac Index	0.931	0.151	0.845	1.026
Pulmonary Artery Mean	0.998	0.643	0.987	1.008
PCWP	1.014	0.029	1.001	1.026

Base case is female candidate with blood type O, hospitalized in ICU, less than college education, private insurance, dilated cardiomyopathy diagnosis, GFR 60 ≥ ml/min/1.73 m^2 listed from july 12th 2000- july 11th 2001. There were 13 centers with no Status 1A or only Status 1A listings that were excluded (77 candidates).

Model 2: Odds of Status 1A listing, all candidates, July 12th 2005- July 11th 2015.

N= 24,949 Centers = 125	Odds Ratio	P>|z|	[95% Conf. Interval]	
Year(baseline july 2005-july 2006)				
July 2006-July 2007	1.303	0.007	1.075	1.580
July 2007-July 2008	1.347	0.002	1.113	1.631
July 2008-July 2009	1.370	0.001	1.134	1.656
July 2009-July 2010	1.467	0.000	1.215	1.769
July 2010-July 2011	2.069	0.000	1.721	2.488
July 2011-July 2012	2.135	0.000	1.777	2.565
July 2012-July 2013	2.397	0.000	2.003	2.870
July 2013-July 2014	2.372	0.000	1.986	2.834
July 2014-July 2015	**2.165**	**0.000**	**1.815**	**2.583**
Candidate Variables				
Age	0.994	0.000	0.990	0.997
Height (cm)	0.996	0.091	0.991	1.001
Blood Type				
AB	1.052	0.560	0.886	1.249
B	1.078	0.189	0.964	1.205
O	0.900	0.010	0.831	0.975
Male gender	1.168	0.006	1.045	1.306
BMI				
25-29	0.848	0.000	0.777	0.927
30-34	0.752	0.000	0.679	0.832
≥35	0.814	0.004	0.709	0.936
Functional Status				
Moderate Impairment	1.437	0.000	1.289	1.602
Severe Impairment	8.878	0.000	7.982	9.874
Unknown/Missing	3.257	0.000	2.498	4.248
Working for Income	0.421	0.000	0.351	0.506
Race				
Black	1.105	0.042	1.003	1.217
Asian	0.887	0.303	0.705	1.115
Hispanic	0.944	0.446	0.813	1.095
Other	0.989	0.950	0.707	1.385
College Education	0.913	0.018	0.847	0.984
Payor				
Medicaid	0.887	0.049	0.787	1.000
Medicare	0.856	0.000	0.785	0.932
Other	1.008	0.938	0.830	1.224
Diagnosis				
ischemic CM	0.823	0.000	0.749	0.903
restrictive CM	0.758	0.000	0.662	0.868
other	0.662	0.000	0.577	0.760
Diabetes	0.981	0.646	0.902	1.066
Renal Function				
30-59 ml/min/1.73 m^2	0.987	0.749	0.912	1.068
<30 ml/min/1.73 m^2	1.285	0.003	1.088	1.517
on dialysis	0.860	0.166	0.696	1.064
Smoking History	0.996	0.926	0.923	1.075
History of CVA	1.088	0.288	0.931	1.271
History of Malignancy	1.057	0.434	0.920	1.214
History of Cardiac Surgery	1.545	0.000	1.426	1.675

ICD	0.678	0.000	0.621	0.741
Cardiac Index	1.020	0.507	0.963	1.080
Pulmonary Artery Mean	0.998	0.567	0.992	1.004
PCWP	1.008	0.031	1.001	1.015

Base case is blood type O, female, limited impairment in functional status, less than college education, private insurance, dilated cardiomyopathy diagnosis, GFR 60 ≥ ml/min/1.73 m^2 listed in July 12th 2005 to July 11th 2006. There were 22 centers who did not list a candidate status 1A or only listed Status 1A candidates that were excluded (83 candidates total).

Model 3: Odds of Status 1A inotrope listing, excluding candidates with MCS, July 12th 2000- July 11th 2006.

N =9,763 Centers = 119	Odds Ratio	P>|z|	[95% Conf. Interval]	
Year (baseline july 2000-july 2001)				
July 2005-July 2006	**0.750**	**0.080**	**0.544**	**1.035**
July 2004-July 2005	0.838	0.271	0.613	1.147
July 2003-July 2004	0.924	0.620	0.675	1.264
July 2002-July 2003	0.861	0.329	0.638	1.162
July 2001-July 2002	1.070	0.641	0.805	1.423
Candidate Variables				
Age	1.003	0.542	0.994	1.011
Height (cm)	0.992	0.163	0.980	1.003
Blood Type				
AB	1.011	0.957	0.672	1.522
B	0.951	0.725	0.721	1.256
O	0.856	0.126	0.700	1.045
Male gender	1.050	0.727	0.797	1.385
BMI				
25-29	0.821	0.064	0.666	1.012
30-34	0.618	0.000	0.477	0.800
≥35	0.523	0.002	0.348	0.786
Medical condition				
Hospitalized, not in ICU	0.064	0.000	0.048	0.085
Not hospitalized	0.007	0.000	0.005	0.011
Race				
Black	1.339	0.026	1.036	1.730
Asian	1.382	0.251	0.795	2.401
Hispanic	0.987	0.948	0.674	1.447
Other	1.200	0.662	0.529	2.722
College Education	1.069	0.495	0.882	1.295
Payor				
Medicaid	1.222	0.169	0.919	1.626
Medicare	0.914	0.437	0.727	1.148
Other	0.972	0.899	0.626	1.509
Diagnosis				
ischemic CM	0.926	0.490	0.744	1.152
restrictive CM	0.844	0.431	0.554	1.287
other	0.583	0.004	0.404	0.842
Diabetes	1.055	0.635	0.846	1.316
Renal Function				
30-59 ml/min/1.73 m^2	0.849	0.108	0.696	1.036
<30 ml/min/1.73 m^2	1.295	0.176	0.890	1.882

on dialysis	2.048	0.013	1.162	3.612
History of CVA	0.794	0.396	0.467	1.351
History of Malignancy	1.154	0.508	0.755	1.765
ICD	0.722	0.001	0.595	0.878
Cardiac Index	0.814	0.004	0.708	0.936
Pulmonary Artery Mean	1.010	0.170	0.996	1.024
PCWP	1.022	0.009	1.005	1.039

Base case is blood type O, female, hospitalized in ICU, less than college education, private insurance, dilated cardiomyopathy diagnosis, GFR 60 ≥ ml/min/1.73 m^2. There were 23 centers that either did not list any 1A inotrope candidates or only listed 1A inotrope candidates that were excluded (444 candidates).

Model 4: Odds of Status 1A listing, excluding candidates with MCS for July 12th 2005- July 11th 2015.

N=18,184 Centers = 112	Odds Ratio	P>|z|	[95% Conf. Interval]	
Year(baseline july 2005-july 2006)				
July 2006-July 2007	1.248	0.125	0.940	1.656
July 2007-July 2008	1.210	0.185	0.913	1.605
July 2008-July 2009	1.355	0.036	1.020	1.800
July 2009-July 2010	1.305	0.069	0.980	1.739
July 2010-July 2011	1.826	0.000	1.374	2.427
July 2011-July 2012	1.809	0.000	1.367	2.394
July 2012-July 2013	2.327	0.000	1.772	3.054
July 2013-July 2014	1.789	0.000	1.359	2.355
July 2014-July 2015	1.819	0.000	1.393	2.375
Candidate Variables				
Age	0.997	0.222	0.991	1.002
Height (cm)	0.992	0.032	0.984	0.999
Blood Type				
AB	0.896	0.425	0.686	1.172
B	1.119	0.198	0.943	1.329
O	0.789	0.000	0.694	0.897
Male gender	1.186	0.055	0.996	1.413
BMI				
25-29	0.671	0.000	0.586	0.768
30-34	0.535	0.000	0.454	0.630
≥35	0.465	0.000	0.361	0.597
Functional Status				
Moderate Impairment	2.061	0.000	1.660	2.558
Severe Impairment	19.752	0.000	16.136	24.178
Unknown/Missing	7.175	0.000	4.919	10.466
Working for Income	0.343	0.000	0.241	0.490
Race				
Black	1.134	0.105	0.974	1.321
Asian	0.970	0.864	0.688	1.369
Hispanic	0.957	0.695	0.766	1.195
Other	0.984	0.955	0.557	1.738
College Education	0.921	0.179	0.816	1.039
Payor				
Medicaid	0.921	0.384	0.764	1.109
Medicare	0.747	0.000	0.650	0.858
Other	1.012	0.940	0.748	1.368

Diagnosis				
ischemic CM	0.792	0.003	0.679	0.924
restrictive CM	0.820	0.056	0.668	1.005
other	0.712	0.004	0.567	0.895
Diabetes	0.968	0.637	0.846	1.108
Renal Function				
30-59 ml/min/1.73 m^2	1.029	0.661	0.907	1.166
<30 ml/min/1.73 m^2	1.337	0.026	1.035	1.728
on dialysis	0.643	0.031	0.430	0.960
Smoking History	1.002	0.971	0.887	1.132
History of CVA	1.006	0.964	0.779	1.299
History of Malignancy	1.242	0.046	1.004	1.536
History of Cardiac Surgery	0.824	0.007	0.715	0.948
ICD	0.830	0.012	0.717	0.959
Cardiac Index	0.942	0.211	0.858	1.035
Pulmonary Artery Mean	1.021	0.000	1.012	1.031
PCWP	1.009	0.095	0.998	1.020

Base case is blood type O, female, limited impairment in functional status, less than college education, private insurance, dilated cardiomyopathy diagnosis, GFR 60 ≥ ml/min/1.73 m^2. There were 34 centers that either did not list any Status 1A inotrope candidates or only listed Status 1A inotrope candidates that were excluded (399 candidates).

Table S3: Full Competing Risks Model for Death or Delisting Due to Illness with interaction effects

(base Status 2, 2000-2003)	**Sub-hazard Ratio**	**95% CI**
Status 1A inotrope	2.30	(1.92-2.75)
Status 1B inotrope	1.59	(1.38-1.85)
July 2003- July 2006	0.95	(0.82-1.09)
July 2006- July 2010	0.98	(0.86-1.11)
July 2010-July 2015	1.42	(1.26-1.61)
1A*2003-2006	0.85	(0.63-1.14)
1A*2006-2010	0.58	(0.44-0.76)
1A*2011-2015	0.54	(0.42-0.69)
1B*2003-2006	1.00	(0.80-1.25)
1B*2006-2010	0.83	(0.68-1.01)
1B*2011-2015	0.66	(0.55-0.80)

N = 32,642. Competing risks of transplantation and delisting (not from illness/deterioration)

Table S4A: Sub-Hazard Ratios for Death Due to Illness for Adult Heart Transplant Candidates listed inotropes or no support, 2000-2015.

	Pre-geographic sharing policy		Post-geographic sharing policy	
	July 12th 2000-July 11th 2003	July 12th 2003-July 11th 2006	July 12th 2006-Dec. 31th 2010	Jan 1st 2011-July 11th 2015
Status 1A inotrope vs Status 1B inotrope	1.40 (1.23-1.73)	1.09 (0.82-1.45)	0.87 (0.66-1.14)	1.10 (0.89-1.36)
Status 1A inotrope vs Status 2	**2.15 (1.77-2.62)**	**1.58 (1.20-2.08)**	**1.09 (0.83-1.43)**	**1.11 (0.89-1.37)**
Status 1B inotrope vs Status 2	1.54 (1.31-1.81)	1.44 (1.20-1.73)	1.26 (1.07-1.48)	1.01 (0.86-1.19)
Total Listings	8,159	5,876	9,572	10,910

Sub-hazard ratios estimated with a Fine-Gray competing risks regression model (see Table S3 for full model results). 95% CI in parentheses.

Table S4B: Full Competing Risks Model for death on waitlist with interaction effects

(base Status 2, 2000-2003)	**Sub-hazard Ratio**	**95% CI**
Status 1A inotrope	2.16	(1.77 - 2.62)
Status 1B inotrope	1.54	(1.31 - 1.81)
July 12th 2003- July 11th 2006	0.95	(0.81 - 1.10)
July 12th 2006- Dec 31st 2010	0.74	(0.64 - 0.86)
Jan 1st 2011-July 2015	0.92	(0.79 - 1.07)
1A*2003-2006	0.73	(0.52 - 1.03)
1A*2006-2010	0.51	(0.36 - 0.71)
1A*2011-2015	0.52	(0.39 - 0.69)
1B*2003-2006	0.94	(0.73 - 1.20)
1B*2006-2010	0.82	(0.65 - 1.03)
1B*2011-2015	0.66	(0.521 - 0.82)

N = 32,642. Competing risks of transplantation and delisting (not from illness/deterioration)

Table S5: Competing Risks Model with receiving VAD as competing risk

A: Sub-hazards of death and delisting by time period

	Pre-geographic sharing policy		Post-geographic sharing policy	
	July 12th 2000- July 11th 2003	July 12th 2003- July 11th 2006	July 12th 2006- Dec. 31th 2010	Jan 1st 2011- July 11th 2015
Status 1A inotrope vs Status 1B inotrope	1.44 (1.16-1.78)	1.09 (0.81-1.45)	0.96 (0.76-1.22)	1.26 (1.06-1.50)
Status 1A inotrope vs Status 2	**2.08 (1.71-2.52)**	**1.47 (1.11-1.95)**	**1.12 (0.89-1.40)**	**1.19 (1.00-1.42)**
Status 1B inotrope vs Status 2	1.44 (1.23-1.69)	1.35 (1.13-1.63)	1.16 (1.00-1.33)	0.94 (0.83-1.08)
Total Listings	8,130	5,849	9,463	9,878

Sub-hazard ratios estimated with a Fine-Gray competing risks regression model (see Table S3 for full model results). 95% CI in parentheses.

B: Full Competing Risks Model

(base Status 2, 2000-2003)	**Sub-hazard Ratio**	**95% CI**
Status 1A inotrope	2.08	(1.71-2.52)
Status 1B inotrope	1.44	(1.23-1.69)
July 12th 2003- July 11th 2006	0.94	(0.81-1.09)
July 12th 2006- Dec 31st 2010	0.98	(0.85-1.12)
Jan 1st 2011-July 2015	1.21	(1.06-1.38)
1A*2003-2006	0.71	(0.51-1.00)
1A*2006-2010	0.54	(0.40-0.73)
1A*2011-2015	0.57	(0.44-0.74)
1B*2003-2006	0.94	(0.74-1.19)
1B*2006-2010	0.80	(0.65-0.99)
1B*2011-2015	0.66	(0.53-0.81)

N = 32,642. Competing risks of transplantation and delisting (not from illness/deterioration)

Table S6: Competing Risks Model controlling for known candidate risk factors for death/deterioration

A: Sub-hazards of death and delisting by time period

	Pre-geographic sharing policy		Post-geographic sharing policy	
	July 12th 2000-July 11th 2003	July 12th 2003-July 11th 2006	July 12th 2006-Dec. 31th 2010	Jan 1st 2011-July 11th 2015
Status 1A inotrope vs Status 1B inotrope	1.29 (1.05-1.59)	1.13 (0.87-1.46)	1.00 (0.82-1.24)	1.14 (0.97-1.33)
Status 1A inotrope vs Status 2	1.95 (1.61-2.36)	1.77 (1.38-2.28)	1.33 (1.08-1.65)	1.24 (1.06-1.46)
Status 1B inotrope vs Status 2	1.51 (1.29-1.77)	1.57 (1.32-1.87)	1.32 (1.16-1.52)	1.09 (0.97-1.24)
Total Listings	7,470	5,629	9,312	9,169

Sub-hazard ratios estimated with a Fine-Gray competing risks regression model (see Table S3 for full model results). 95% CI in parentheses.

Table S6 B: Full competing risks model controlling for known candidate risk factors for death/deterioration on the waitlist

	SHR	[95% Conf. Interval]	
Status 1A Inotrope	1.95	1.61	2.36
Status 1B Inotrope	1.51	1.29	1.77
Time Period			
July 12th 2003- July 11th 2006	0.94	0.81	1.09
July 12th 2006- Dec 31st 2010	0.98	0.85	1.12
Jan 1st 2011-July 2015	1.39	1.22	1.59
Status 1A#2003-2006	0.91	0.66	1.25
Status 1A#2006-2010	0.68	0.51	0.91
Status 1A#2011-2015	0.64	0.50	0.82
Status 1B#2003-2006	1.04	0.82	1.31
Status 1B#2006-2010	0.88	0.71	1.08
Status 1B#2011-2015	0.72	0.59	0.88
PCWP>20 mmHg	1.34	1.25	1.43
Age			
40-59 y	1.07	0.97	1.19
60-69 y	1.32	1.18	1.48
≥70 years	1.38	1.10	1.74
Diagnosis			
ischemic CM	1.11	1.02	1.20
restrictive CM	1.16	1.03	1.32
other	1.34	1.21	1.49
BMI			
25-29	0.97	0.90	1.06
30-34	1.01	0.92	1.11
≥35	1.26	1.11	1.43
Diabetes	1.17	1.09	1.26
Race			
Black	1.05	0.97	1.15
Hispanic	0.95	0.83	1.08
Other	0.79	0.65	0.96
PCWP>20 mmHg	0.81	0.75	0.88
Age			
40-59 y	1.48	1.37	1.59
60-69 y	2.67	2.37	3.01
≥70 years	3.07	2.62	3.59

Competing risks of transplantation and delisting from any cause. Base case age 18-39, dilated cardiomyopathy, BMI<25, white race, listed at Status 2 in July 2000-July 2003

Table S7: Cause-specific hazard regression of death and delisting by time period

A: Cause-specific hazards

	Pre-geographic sharing policy		Post-geographic sharing policy	
	July 12th 2000- July 11th 2003	July 12th 2003- July 11th 2006	July 12th 2006- Dec. 31th 2010	Jan 1st 2011- July 11th 2015
Status 1A inotrope vs Status 1B inotrope	2.12 (1.77-2.54)	1.93 (1.53-2.43)	1.45 (1.20-1.75)	1.79 (1.55-2.07)
Status 1A inotrope vs Status 2	**5.42 (4.62-6.36)**	**5.10 (4.10-6.34)**	**2.66 (2.21-3.20)**	**2.44 (2.11-2.82)**
Status 1B inotrope vs Status 2	2.56 (2.25-2.90)	2.64 (2.27-3.06)	1.83 (1.64-2.04)	1.36 (1.22-1.52)
Total Listings	8,130	5,849	9,425	9,238

Cause-specific hazard ratios estimated with a Cox proportional hazards model (censored for transplant). 95% CI in parentheses.

B: Full Model

(base Status 2, 2000-2003)	**Cause-specific hazard ratio**	**95% CI**
Status 1A inotrope	5.42	(4.62-6.35)
Status 1B inotrope	2.56	(2.25-2.90)
July 12th 2003- July 11th 2006	1.04	(0.93-1.16)
July 12th 2006- Dec 31st 2010	1.18	(1.07-1.30)
Jan 1st 2011-July 2015	1.69	(1.53-1.87)
1A*2003-2006	0.94	(0.72-1.23)
1A*2006-2010	0.49	(0.39-0.63)
1A*2011-2015	0.45	(0.36-0.56)
1B*2003-2006	1.03	(0.85-1.25)
1B*2006-2010	0.72	(0.61-0.85)
1B*2011-2015	0.53	(0.45-0.63)

N = 32,642. Competing risks of transplantation and delisting (not from illness/deterioration)

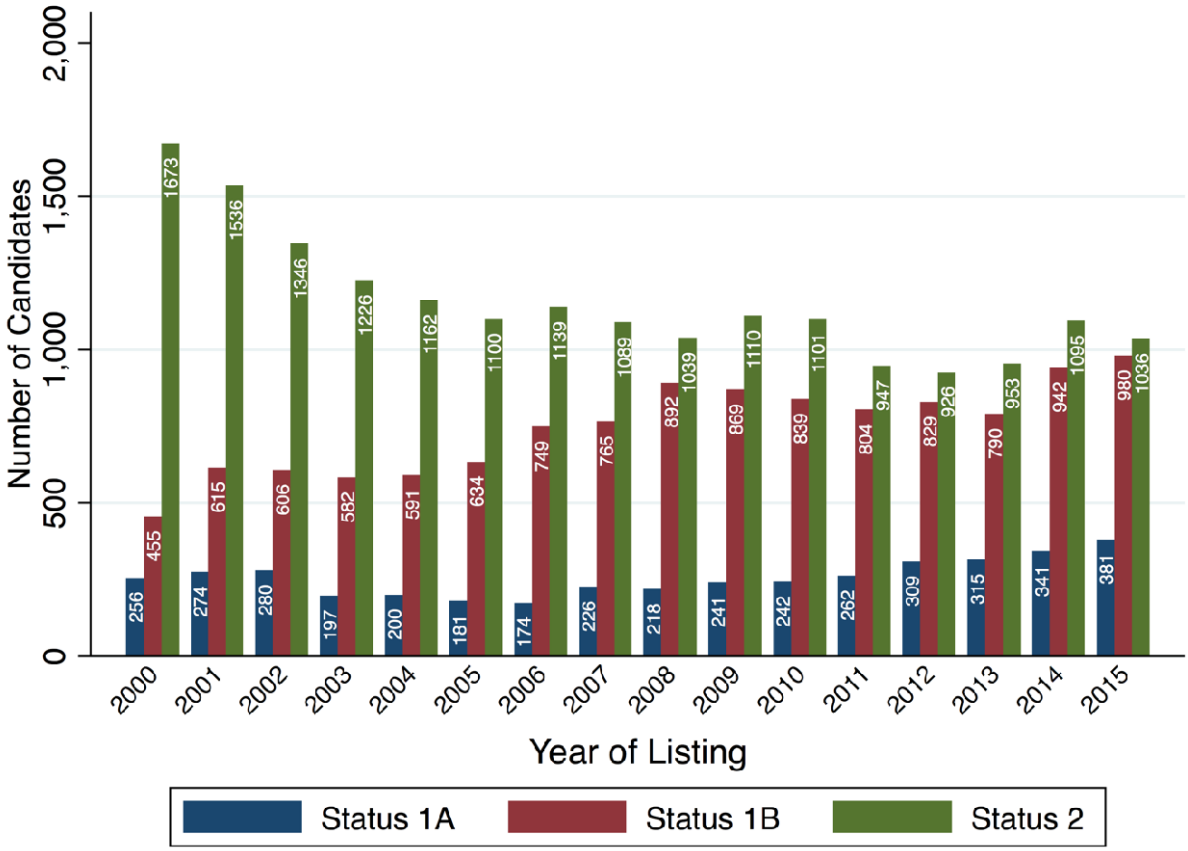


Figure S1: The Initial Listing Status of Non-MCS Heart-Alone Candidates for 2000-2015.

Candidates excluding patients receiving mechanical circulatory support, mechanical ventilation, or granted Status 1A or 1B with exceptions were excluded. Columns represent number of listings in each Status category during the calendar year. Blue: Status 1A, Red: Status 1B, Green: Status 2. Candidates initially listed inactive omitted.

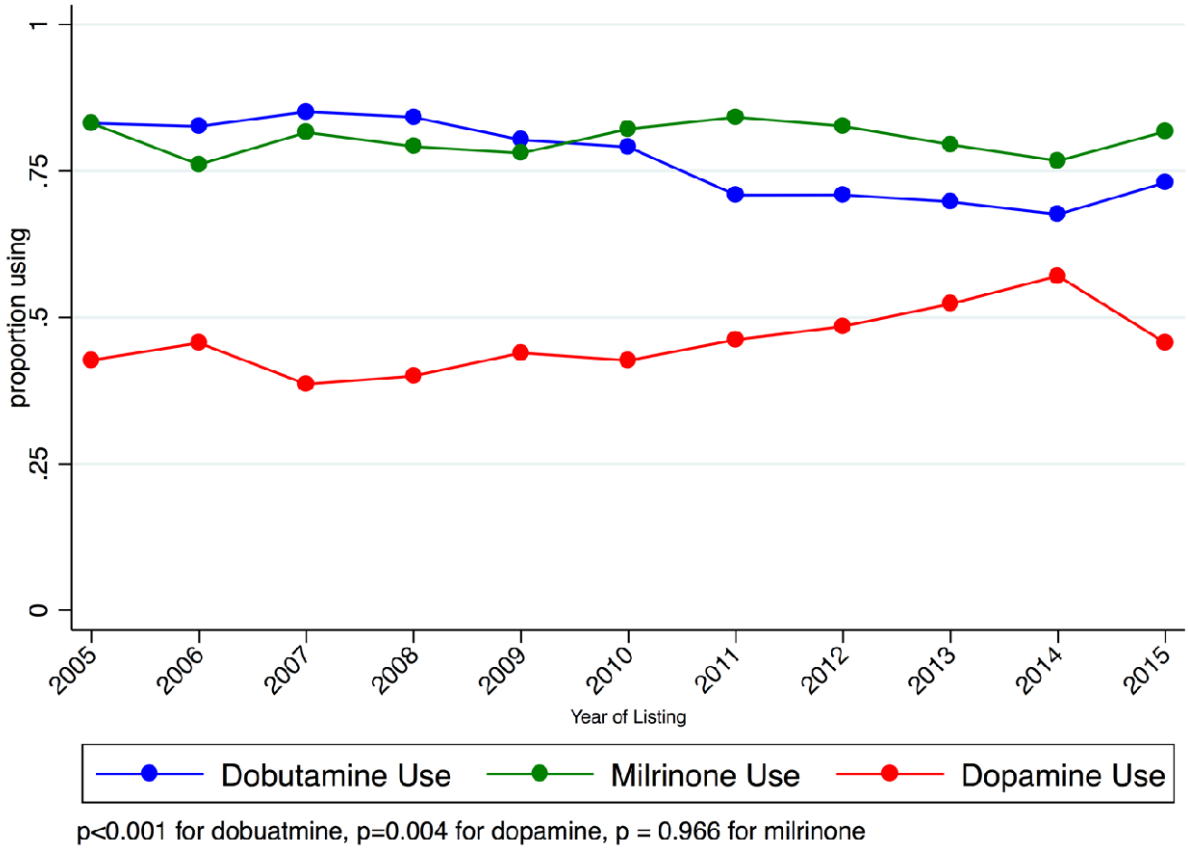


Figure S2: Inotrope types for Status 1A Candidates listed with multiple inotropes. These candidates did not have MCS and were listed under criteria d) Continuous infusion of multiple inotropes with hemodynamic monitoring. P-values are for trends from 2005-2015.

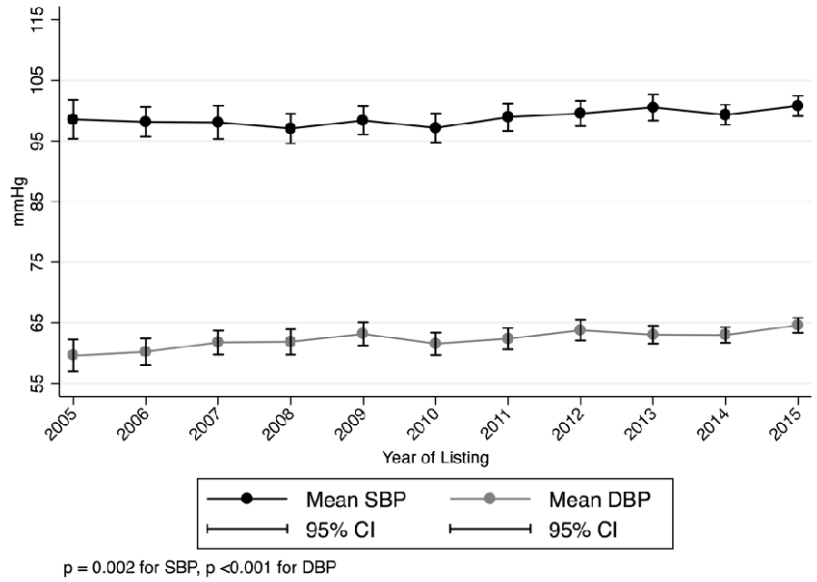


Figure S3: Blood Pressure Measurements for Status 1A Candidates listed with multiple inotropes. These candidates did not have MCS and were listed under criteria d) Continuous infusion of multiple inotropes with hemodynamic monitoring. P-values are for trends from 2005-2015. Systolic Blood Pressure (SBP) and Diastolic Blood Pressure (DBP).

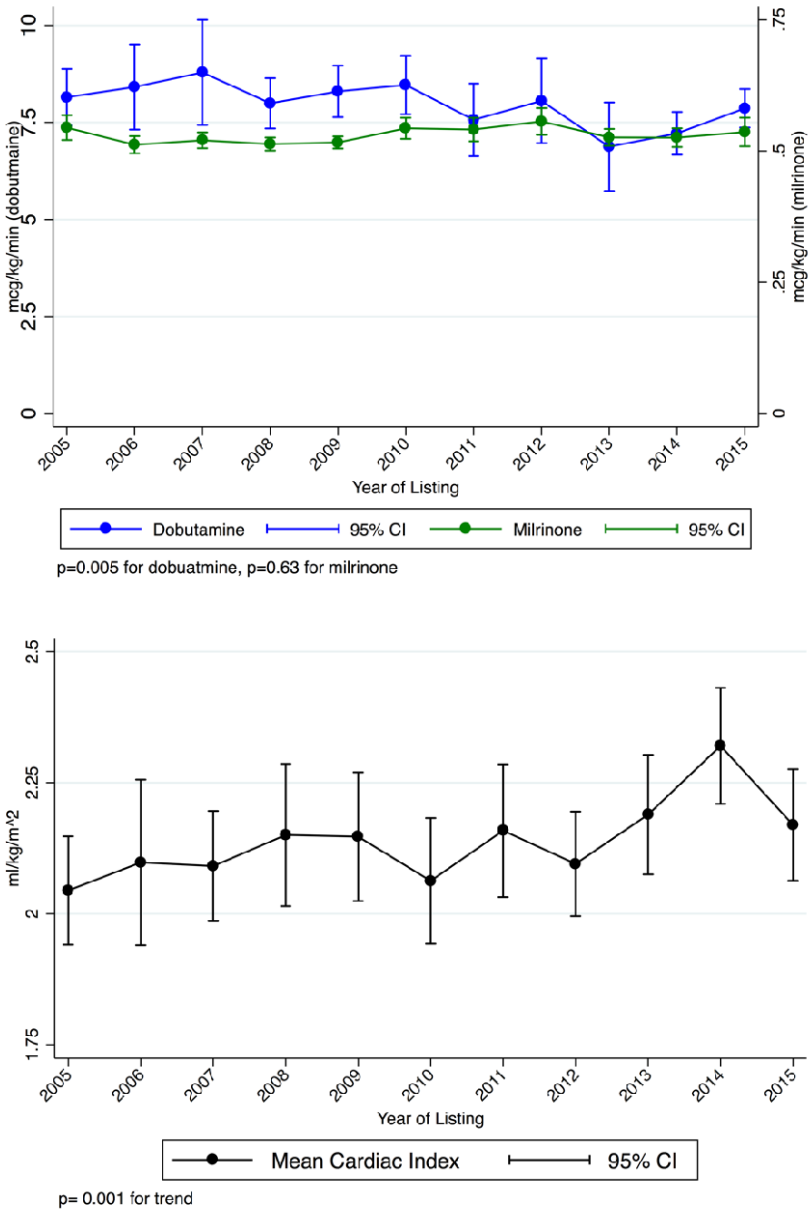


Figure S4: Mean Inotrope Doses and Cardiac Index for Single High Dose Inotrope Status 1A Candidates Listed 2005-2015. These candidates did not have MCS and were listed under criteria d) continuous infusion of a single high dose inotrope with hemodynamic monitoring. P-values are for trends from 2005-2015. Panel A: Inotrope Doses. Panel B: Cardiac Index.

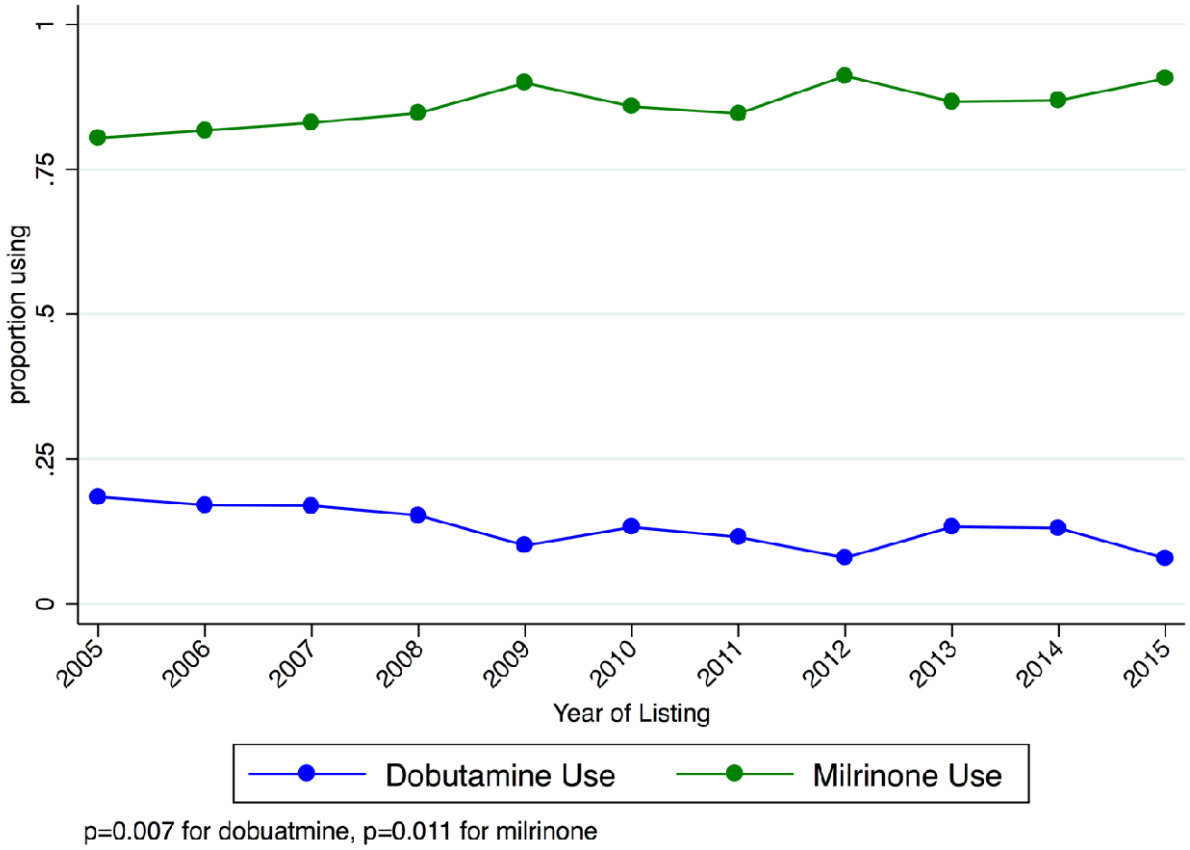
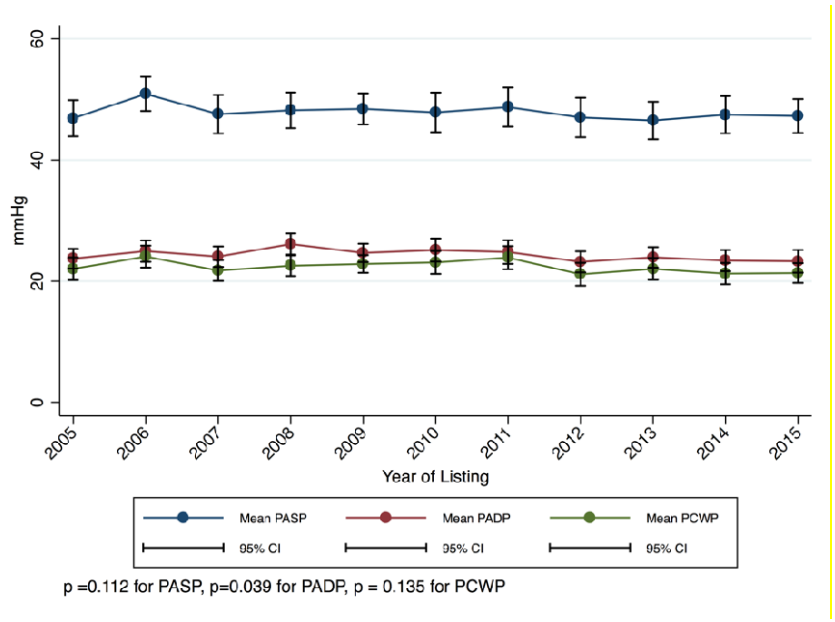


Figure S5: Inotrope types for Status 1A Candidates listed with a single high dose inotrope. These candidates did not have MCS and were listed under criteria d) Continuous infusion of a single high dose inotrope with hemodynamic monitoring. P-values are for trends from 2005-2015



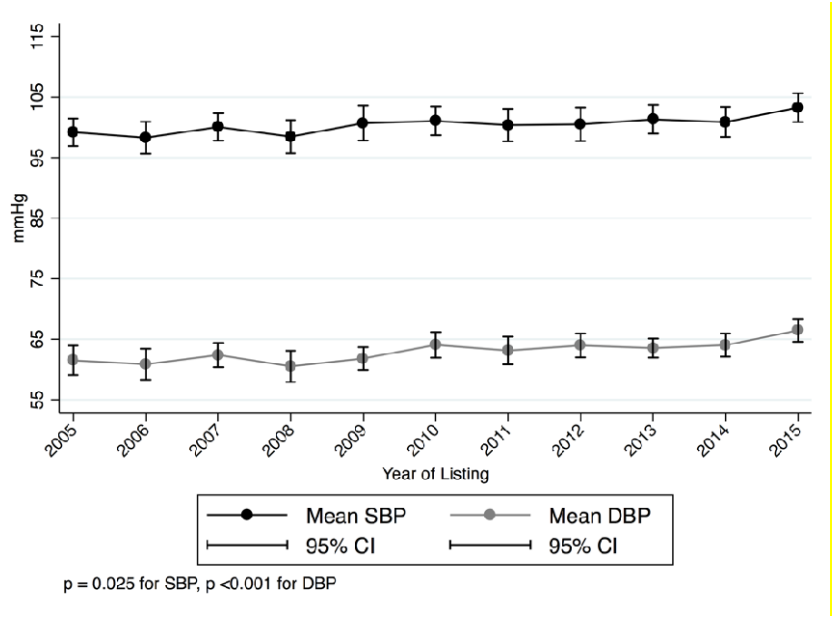


Figure S6: Hemodynamic Measurements for Status 1A Candidates listed with a single high-dose inotrope. These candidates did not have MCS and were listed under criteria d) Continuous infusion of a single high-dose inotrope with hemodynamic monitoring. P-values are for trends from 2005-2015. Panel A: Systolic Blood Pressure (SBP) and Diastolic Blood Pressure (DBP). Panel B: Pulmonary Artery Systolic Pressure (PASP), Pulmonary Artery Diastolic Pressure (PADP), and Pulmonary Capillary Wedge Pressure (PCWP)