

Supplemental Table 1. Predictors of ARNI Prescription at Hospital Discharge Stratified by Early vs Late

Early (2017-2018)						Late (2019-2020)				
	Odds Ratio	95% Confidence Intervals		Lambda	p-value	Odds Ratio	95% Confidence Intervals		Lambda	p-value
		Lower	Upper				Lower	Upper		
Intercept	0.076	0.050	0.115	0.344	<0.001	0.245	0.167	0.358	0.265	<0.001
Age*	0.988	0.984	0.992	0.248	<0.001	0.988	0.984	0.992	0.233	<0.001
Sex (Comparison Group: Male)										
Female	0.972	0.883	1.071	0.166	0.568	0.979	0.888	1.078	0.148	0.663
Race (Comparison Group: Caucasian)										
Asian	1.035	0.705	1.528	0.211	0.861	1.505	1.100	2.059	0.131	0.011
Black	1.124	0.983	1.284	0.266	0.087	1.123	0.982	1.283	0.227	0.090
Hispanic	1.223	1.006	1.486	0.196	0.044	1.396	1.142	1.707	0.178	0.001
Other	0.949	0.719	1.251	0.186	0.710	0.934	0.712	1.224	0.117	0.619
Distress Score Quintile (Comparison Group: Prosperous)										
Comfortable	1.018	0.844	1.228	0.462	0.852	0.901	0.747	1.084	0.439	0.278
Mid-Tier	0.924	0.776	1.101	0.367	0.379	0.887	0.742	1.060	0.357	0.187
At-Risk	0.905	0.747	1.100	0.451	0.318	0.851	0.708	1.023	0.371	0.087
Distressed	0.860	0.698	1.059	0.471	0.157	0.763	0.624	0.933	0.403	0.009
Zip Designation (Comparison Group: Urban)										
Rural	1.105	0.903	1.352	0.458	0.334	1.115	0.910	1.365	0.424	0.294
Small town	1.042	0.858	1.265	0.417	0.678	1.043	0.856	1.270	0.400	0.680
Suburban	1.041	0.894	1.212	0.431	0.607	1.052	0.907	1.220	0.366	0.501
Insurance (Comparison Group: Other Non-Medicare/Medicaid Insurance)										
Medicaid	0.824	0.718	0.944	0.112	0.005	0.797	0.684	0.927	0.244	0.003
Medicare	0.949	0.840	1.072	0.258	0.399	0.983	0.870	1.112	0.216	0.788
None	0.684	0.526	0.889	0.374	0.005	0.505	0.393	0.647	0.250	<0.001

Ejection fraction**	0.925	0.920	0.931	0.248	<0.001	0.945	0.940	0.951	0.203	<0.001
Discharge Serum Creatinine*	0.723	0.648	0.806	0.693	<0.001	0.765	0.698	0.850	0.643	<0.001
Discharge Serum Potassium (Comparison Group: K≤5)										
K>5	0.853	0.597	1.219	0.494	0.384	0.925	0.652	1.313	0.489	0.664
Discharge Systolic Blood Pressure (Comparison Group: sBP≥90)										
sBP<90	0.876	0.605	1.269	0.398	0.485	0.718	0.498	1.035	0.313	0.076
Discharge Heart Rate (Comparison Group: HR≥60)										
HR<60	1.116	0.885	1.408	0.427	0.355	1.053	0.844	1.315	0.325	0.646
No Prior Medical History (Comparison Group: No)										
Yes	0.935	0.677	1.292	0.183	0.685	0.801	0.592	1.082	0.114	0.148
History of Congestive Heart Failure (Comparison Group: No)										
Yes	0.998	0.886	1.123	0.211	0.969	0.905	0.796	1.029	0.321	0.127
History of Chronic Kidney Disease (Comparison Group: No)										
Yes	0.828	0.699	0.982	0.432	0.031	0.787	0.667	0.929	0.413	0.005
History of End Stage Renal Disease (Comparison Group: No)										
Yes	1.551	1.029	2.336	0.303	0.036	1.361	0.899	2.062	0.359	0.146
Listed for Heart Transplant (Comparison Group: No)										
Yes	0.489	0.091	2.623	0.021	0.404	0.456	0.104	1.988	0.069	0.296
Taking ARNI Prior to Hospitalization (Comparison Group: No)										
Yes	12.577	8.517	18.572	0.813	<0.001	7.460	5.260	10.579	0.771	<0.001
Contraindication to ACEi/ARB/ARNI (Comparison Group: No)										
Yes	0.132	0.117	0.149	0.296	<0.001	0.085	0.076	0.096	0.235	<0.001
Received inpatient ARNI (Comparison Group: No)										
Yes	81.983	63.016	106.66	0.783	<0.001	73.981	59.811	91.508	0.677	<0.001

Received any inpatient inotrope (Comparison Group: No)										
Yes	0.504	0.381	0.665	0.085	<0.001	0.575	0.443	0.746	0.071	<0.001
Discharged with GDMT BB (Comparison Group: No)										
Yes	1.946	1.670	2.268	0.231	<0.001	1.730	1.497	1.998	0.167	<0.001
Discharged with ACEi or ARB (Comparison Group: No)										
Yes	0.090	0.078	0.103	0.468	<0.001	0.101	0.089	0.115	0.341	<0.001
Discharged with MRA (Comparison Group: No)										
Yes	1.661	1.483	1.861	0.384	<0.001	1.922	1.731	2.134	0.233	<0.001
Scheduled Follow Up on Discharge (Comparison Group: No)										
Yes	1.307	1.025	1.667	0.235	0.031	1.019	0.827	1.256	0.245	0.857
Discharged to Continued Care (Comparison Group: No)										
Yes	0.766	0.674	0.870	0.496	<0.001	0.772	0.684	0.871	0.409	<0.001
Year of Discharge (Comparison Group: Discharged in 2017)										
2018	1.356	1.236	1.487	0.140	<0.001					
Year of Discharge (Comparison Group: Discharged in 2019)										
2020						1.134	1.023	1.258	0.131	0.017
Heart Transplant Center (Comparison Group: No)										
Yes	0.584	0.347	0.981	0.030	0.042	0.518	0.295	0.911	0.021	0.022
Academic Center (Comparison Group: No)										
Yes	1.121	0.866	1.450	0.069	0.386	1.281	0.972	1.690	0.047	0.079

Data were stratified by year of discharge with “early” being defined as discharged in 2017 or 2018 and “late” being defined as discharged in 2019 or 2020. Coefficients and 95% confidence intervals are presented as odds ratios. Unless otherwise indicated by an asterisk, odds ratios are relative to the defined comparison group. Variables denoted by a single asterisk (*) are continuous variables and indicate a change in the odds ratio per 1-unit change in the continuous variable, with the exception of (**) ejection fraction, where the estimate indicates the change in odds ratio per 5% change in ejection fraction. Lambda indicates the proportion of variation due to missing data. All continuous variables have been grand mean centered, so the intercept can be interpreted as the odds of being prescribed an ARNI with all categorical variables assuming their baseline comparison group value and all continuous variables at their mean value. A history of chronic kidney disease is defined by the GWTC data dictionary as a serum creatinine >2mg/dL. Academic centers were defined by the presence of resident post-graduate physicians. For the variable "Discharged to Continued Care", continued care is defined as home health care, skilled nursing facility, inpatient rehabilitation, intermediate care facility, long term acute care facility, or another acute care facility.

