

## Supplemental Material

**Supplemental Table. Selected Algorithm Performance Stratified by Age, Gender, and Race/ Ethnicity**

Group	Algorithm*	Sensitivity	Specificity	Positive Predictive Value	Negative Predictive Value
Men N=4347	1	100%	64.6%	38.8%	100%
	2	76.4%	88.4%	62.0%	93.8%
	3	75.5%	88.9%	62.8%	93.6%
Women N=4309	1	100%	67.3%	33.4%	100%
	2	70.7%	90.2%	56.5%	94.5%
	3	68.8%	90.8%	57.3%	94.2%
<65 years old N=2084	1	100%	67.0%	42.3%	100%
	2	80.9%	87.8%	64.0%	94.5%
	3	79.9%	88.6%	65.3%	94.3%
65 and older N=6573	1	100%	65.6%	34.3%	100%
	2	71.0%	89.8%	57.7%	94.0%
	3	69.5%	90.2%	58.3%	93.8%
Non-Hispanic white N=7769	1	100%	66.1%	35.6%	100%
	2	73.3%	89.6%	59.0%	94.2%
	3	72.2%	90.1%	59.9%	94.1%
Hispanic and/ or non-white N=888	1	100%	64.8%	42.4%	100%
	2	78.2%	86.7%	63.4%	93.1%
	3	75.7%	87.7%	64.4%	92.5%

\*Algorithm 1 is 1 hospitalization for heart failure or ventricular arrhythmias (HF/VA); algorithm 2 is 2 hospitalizations for HF/VA within 1 year; algorithm 3 is 2 hospitalizations for HF/VA plus 1 sign of advanced HF within 1 year