

SUPPLEMENTAL MATERIAL

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to: O'Connor KD, Brophy T, Fonarow GC, Blankstein R, Swaminathan RV, Xu H, Matsouaka RA, Albert NM, Velazquez EJ, Yancy CW, Heidenreich PA, Hernandez AF, DeVore AD. Testing for Coronary Artery Disease in Older Patients with New-Onset Heart Failure: Findings from Get With The Guidelines-Heart Failure. *Circ Heart Fail.* 2020.

Supplemental Table 1: Billing Codes Utilized to Assess for Testing for Coronary Artery Disease

Category	Codes	ICD-9-CM	ICD-10
ECG Stress	93015, 93016, 93017, 93018	89.41, 89.42, 89.43, 89.44	
Nuclear	78469, 78451, 78452, 78453, 78454, 78460, 78464, 78465, 78466, 78468, 78469, 78478, 78480	92.05	C21XXXX, C22XXX, C23XXXX
Stress Echo	93350, 93351, 93352		
PET	78459, 78492, 78491		
Cardiac MRI	75557, 75559, 75561, 75563, 75552, 75553, 75554, 75555, 75558, 75560, 75562, 75564	88.92	B23XXXX
Coronary CTA	75574, 75571		B22XXXX
Coronary Angiography	93454, 93455, 93456, 93457, 93458, 93459, 93460, 93461, 93563, 93564, 93571, 93572, 93508, 93539, 93540, 93545, 93556, 93564	37.22, 37.23, 88.50, 88.53, 88.54, 88.55, 88.56, 88.57	B21XXXX
Coronary Angiography with PCI	92980, 92981, 92982, 92984, 92920, 92921,	00.06, 17.55, 36.04, 36.06, 36.07, 36.09	027-3XX, 02C-3ZZ

	92928, 92929, 92937, 92938, 92943, 92944		
Cardiac Stress Testing			4A02XM4, 4A12XM4

Supplemental Table 2. Association Between Left Ventricular Ejection Fraction Category and Testing for Coronary Artery Disease

	Unadjusted OR (95% CI)	<i>P</i> value	Adjusted OR (95% CI)	<i>P</i> value
Overall				
HFrEF (LVEF ≤40%)	2.68 (2.46, 2.90)	<0.001	2.42 (2.21, 2.65)	<0.001
HFbEF (LVEF 41-49%)	1.71 (1.51, 1.93)	<0.001	1.65 (1.44, 1.90)	<0.001
HFpEF (LVEF ≥50%)	Reference	--	Reference	--
Age <80 years				<0.001*
HFrEF (LVEF ≤40%)	2.93 (2.61, 3.28)	<0.001	2.89 (2.57, 3.26)	<0.001
HFbEF (LVEF 41-49%)	1.77 (1.50, 2.09)	<0.001	1.73 (1.45, 2.06)	<0.001
HFpEF (LVEF ≥50%)	Reference	--	Reference	--
Age ≥80 years				
HFrEF (LVEF ≤40%)	2.10 (1.88, 2.35)	<0.001	2.01 (1.79, 2.25)	<0.001
HFbEF (LVEF 41-49%)	1.68 (1.41, 2.00)	<0.001	1.58 (1.32, 1.89)	<0.001
HFpEF (LVEF ≥50%)	Reference	--	Reference	--

*Interaction with LVEF category and age <80 years

CI, confidence interval; *HFbEF*, heart failure with borderline ejection fraction; *HFpEF*, failure with preserved ejection fraction; *HFrEF*, failure with reduced ejection fraction; *LVEF*, left ventricular ejection fraction; *OR*, odds ratio