**HeartShare Recruitment Query**7/17/2022 Draft

Below criteria can be customized by sites to identify patients for study recruitment. General study inclusion/exclusion criteria are found in section A, assessed for difficulty in extracting from structured EHR data (green = easier, red = harder). Section B provides a more basic phenotype. ICD codes follow.

1. **General Study Inclusion/Exclusion Criteria**

Inclusion Criteria

1. Age ≥ 30 years
2. EF ≥ 50%
3. Definition of HFpEF: signs and symptoms of HF, NYHA II-IV, and **at least one** of the following:
   1. Elevated BNP (>100) / NTproBNP (>300/900 AF)
   2. Prior HHF (for true HF)
   3. PCWP rest > 15mmHg or exercise > 25mmHg for supine or PCWP/CO > 2 for upright
   4. Elevated H2FPEF score (≥5) or HFA-PEFF score (≥5)

Exclusion Criteria

1. Life expectancy < 1 years
2. Primary cardiomyopathy (including amyloid) or pulmonary arterial hypertension
3. Prior EF < 40%
4. Significant valvular heart disease (> mild stenosis or any MS, > mild AR, > mod MR)
5. Any planned cardiac surgery or intervention for other indications
6. Alternative primary reason for symptoms in opinion of investigator
7. Cardiac surgery, ACS, PCI, CVA, TIA, carotid intervention preceding 6 months
8. Known symptomatic or clinically significant epicardial CAD that is not revascularized
9. Any non-elective hospitalization preceding 2 weeks
10. Solid organ transplant, chronic infection (HIV, HBV, HCV, Tb)
11. LVAD, non-cardiac cirrhosis, eGFR < 20ml/min/1.73m2
12. Condition that may preclude participation, or patient unable to consent
13. Current acute decompensated heart failure
14. Pregnant
15. Uncontrolled HR (> 110bpm) at time of screening
16. **Potential Basic Phenotype:**
17. Age ≥ 30 years (at time of first HF code)
18. Signs and symptoms of HF (2 outpt codes for HF on distinct encounters or 1 inpatient code)
19. EF ≥ 50% (most recent)
20. **ICD codes**
    1. **Heart Failure (for inclusion):** 
       1. **ICD-9: 398.91, 402.01, 402.11, 402.91, 404.01, 404.03, 404.11,404.13, 404.91, 404.93, 428.0, 428.1, 428.20, 428.21, 428.22, 428.23, 428.30, 428.31, 428.32, 428.33, 428.40, 428.41, 428.42, 428.43, 428.9**
       2. **ICD-10: I09.81, I11.0, I13.0, I13.2, I50.1, I50.20, I50.21, I50.22, I50.23, I50.30, I50.31, I50.32, I50.33, I50.40, I50.41, I50.42, I50.43, I50.810, I50.811, I50.812, I50.813, I50.814, I50.82, I50.83, I50.84, I50.89, I50.9**