

**EHRIS TO MCMP-PAT MAPPING**  
**Heart Failure**

Measure #	Descriptive Name	Variable Name	Value	EHRIS Mapping
<b>HF</b>	Diagnosis of heart failure	HFCONFIRMED	0	DX_CODE=I9 not found
			1	DX_CODE=I9
			2	Record not found
<b>HF-1</b>	LVF assessment results ever documented (historically)	HFLVRESULT	0	LVF assessment results not documented
			1	[ (LVF_ASSESS_CODE=C4 <u>OR</u> SNM) <b>AND</b> (LVF_QUAL_CODE=SNM <u>OR</u> EJEC_FRAC_CODE=SNM) ]
				<b>OR</b> LVF_ASSMT_CODE=C4
<b>HF-2</b>	LVF testing done during measurement period for patients hospitalized with HF	HFHOSPITAL	0	HOSP_CODE=C4 not found
			1	HOSP_CODE=C4
			2	Not abstracting this claims-based measure
<b>HF-3</b>	Weight measurement for each visit	HFPCVISITDATE HFPCINVALID HFWEIGHT	0	LVF assessment not performed and no reason documented
			1	[ (LVF_ASSESS_CODE=C4 <u>OR</u> SNM) <b>AND</b> (LVF_QUAL_CODE=SNM <u>OR</u> EJEC_FRAC_CODE=SNM) ]
				<b>OR</b> LVF_ASSMT_CODE=C4
			3	MEDICAL_REASON=C4
			4	PATIENT_REASON=C4
<b>HF-5</b>	Patient education	HFPTEDUCATION	0	ENCOUNTER_CODE=C4 Visit date is valid
			1	Visit date is not valid
			0	(WEIGHT_CODE=SNM <u>AND</u> C4) not found and no reason documented
			1	WEIGHT_CODE=SNM <u>OR</u> C4 MEDICAL_REASON=C4
			0	(EDUCATION_CODE=SNM <u>AND</u> C4) not found
			1	EDUCATION_CODE=SNM <u>OR</u> C4

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Measure #	Descriptive Name	Variable Name	Value	EHRS Mapping
<b>HF-6 &amp; 7</b>	LVSD	HFCADLVSD	0	Patient does not have LVSD
			1	[ (LVF_ASSESS_CODE=SNM OR C4) <b>AND</b> (EJEC_FRAC_CODE=SNM <b>AND</b> LVEF Value <40%) ] <b>OR</b> EJEC_FRAC_CODE=C4
<b>HF-6</b>	Beta-blocker therapy for patients with LVSD	HFBLOCKDRUG	0	(TOPIC_DRUG_CODES=NDC <b>AND</b> BETA_BLOCKER_CODE=C4) not found and no reason documented
			1	TOPIC_DRUG_CODES=NDC <b>OR</b> BETA_BLOCKER_CODE=C4
			3	EXCLUSION_CODE=I9 <b>OR</b> SNM
				(HEART_RATE_CODE=SNM <b>AND</b> 2 Consecutive Heart Rate Readings <50 bpm) <b>OR</b> (AV_BLOCK_CODE=I9 <b>WITHOUT</b> PERM_PACEMAKER_CODE=I9) <b>OR</b> MEDICAL_REASON=C4
			4	PATIENT_REASON=C4
			5	SYSTEM_REASON=C4

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<b>Measure #</b>	<b>Descriptive Name</b>	<b>Variable Name</b>	<b>Value</b>	<b>EHR Mapping</b>
<b>HF-7</b>	ACE inhibitor or ARB therapy for patients with LVSD	HFACEARBDRUG	0	(TOPIC_DRUG_CODES=NDC <b>AND</b> ACE_ARB_THERAPY_CODE=C4) not found and no reason documented
			1	TOPIC_DRUG_CODES=NDC <b>OR</b> ACE_ARB_THERAPY_CODE=C4
			3	EXCLUSION_CODE=I9 <b>OR</b> PREGNANCY_CODE=I9 <b>OR</b> (ACE_ALLERGY_CODE=SNM <b>AND</b> ARB_ALLERGY_CODE=SNM) <b>OR</b> MEDICAL_REASON=C4
			4	PATIENT_REASON=C4
			5	SYSTEM_REASON=C4

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<b>Measure #</b>	<b>Descriptive Name</b>	<b>Variable Name</b>	<b>Value</b>	<b>EHRS Mapping</b>
<b>HF-8</b>	Warfarin therapy for patients with atrial fibrillation	HFAFIB	0	AFIB_CODE=I9 not found
			1	AFIB_CODE=I9
		HFWARFDRUG	0	(TOPIC_DRUG_CODES=NDC <b>AND</b> WARFARIN_THERAPY_CODE=C4) not found and no reason documented
			1	TOPIC_DRUG_CODES=NDC <b>OR</b> WARFARIN_THERAPY_CODE=C4
			3	EXCLUSION_CODE=I9 <b>OR</b> (ADVERSE_EFFECT_1_CODE=I9 <u>AND</u> ADVERSE_EFFECT_2_CODE=I9) <b>OR</b> ALLERGY_CODE=SNM <b>OR</b> MEDICAL_REASON=C4
			4	PATIENT_REASON=C4
			5	SYSTEM_REASON=C4