

Desired Outcomes	<ul style="list-style-type: none"> ✳ Decrease re-hospitalization incidence for patients with heart failure (HF) ✳ Improve heart failure patient outcomes for HF follow up (M1510) via telemonitoring with early identification of signs and symptoms and immediate intervention 	
Standard of Care	Rationale/Process	Implementation & Implications
<p>Patient Enrollment/Monitor Assignment</p> <p>Patient diagnosis of CHF (M1010: Inpatient Dx, M1016: Dx Causing Change in Tx, or M01020/1022/1024: Primary/Secondary diagnoses for home care).</p> <p>Patients are provided with a monitor that includes a scale peripheral in the home configured to monitor blood pressure, heart rate, pulse oximetry and weight at the Start of Care (SOC).</p> <p>Other VS monitoring peripherals may be included such as Glucose, PT/INR, ECG or other based on the patient's condition.</p>	<p>Admission clinician enters heart failure Dx on OASIS (M1010, M1016 and/or M1020/1022/1024) and Physician Plan of Care (POC) / 485 (M1010, M1016 and/or M1020/1022/1024).</p> <p>Admission clinician / Manager identifies need for telemonitoring and assigns monitor for use at SOC.</p>	<p>Initiate Heart Failure Protocol on all patients with Dx of heart failure.</p>
<p>Initial Patient Assessment</p> <p>A comprehensive assessment including OASIS is performed at admission.</p>	<p>Establish clinical and functional status of patient.</p>	<p>Utilize monitor at SOC for baseline vital signs and during completion of comprehensive assessment and OASIS.</p>
<p>Telemonitoring Protocol</p> <p>Vital sign parameters are established using monitor based upon results of assessments -including weight, & pulse oximetry (M2250a).</p> <p>Parameters will be included in physician plan of care/485 (traditional Medicare).</p> <p>Protocols and guidelines for timely Intervention for Signs & Symptoms of HF are established.</p> <p>Review of trends and monitoring questions and Patient re-assessment for signs and symptoms of heart failure via telemonitoring, at each visit and during each telephone contact.</p>	<ul style="list-style-type: none"> ✳ Vital sign parameters should be discussed and approved by the physician (OASIS guidelines M2250a). ✳ Vital sign transmission will allow remote monitoring of patient's condition ✳ Monitoring of vital signs and symptoms will identify potential problems in a timely manner and allow clinicians to and intervene before patient's condition worsens in order to prevent hospitalization <ul style="list-style-type: none"> • Vital sign parameters are necessary to determine when to notify the physician regarding problems. • Questions specific to HF will assist clinicians to assess for potential problems <p>Clinicians will be able to be proactive when</p>	<ol style="list-style-type: none"> 1. Document the ordered parameters in the body of the physician plan of care (485) box #21. 2. Review Signs & Symptoms of HF and steps to communicate with physician 3. Review responses to subjective HF questions answered by the patient on the monitor including but not limited to <ul style="list-style-type: none"> • Increased difficulty breathing • Using extra pillows to sleep comfortably • Increased swelling in ankles • Increased utilization of oxygen • Development of a cough • Increased fatigue • Running low or out of any medications 4. Monitor Vital Signs via telemonitor daily and evaluate Signs & Symptoms of HF <ul style="list-style-type: none"> • Weight gain ≥ than 3lbs. in 1 day or ≥ than 5 lbs. in 7 days • Orthopnea observed or reported • Cough/sputum production • SOB / use of accessory muscles / PO2 ↓ 90%

Standard of Care	Rationale/Process	Implementation & Implications
	<p>contacting the physician and intervene before the patient worsens and potentially requires hospitalization.</p> <p><i>Note: Additional details described in "Vital Signs Parameters Guidelines" Document</i></p>	<ul style="list-style-type: none"> • ↑ use of O2 observed or reported <p>5. Contact Physician same day if vital sign trends and answers to questions indicate heart failure or problems (M2000/M20002).</p> <p>6. Document physician contact in <i>LifeStream™</i> and the clinical record including identified problem and action taken.</p> <p><i>Note: Additional details described in "Vital Signs Parameters Guidelines" Document</i></p> <p>Suggested communication with physicians:</p> <ul style="list-style-type: none"> • If weight gain ≥ 3 lbs. in 1 day or 5 lbs. in 7 days ask MD for order to increase existing diuretic for 48 hours & draw a BNP • If weight returns to baseline within 48 hours – request order to resume regular diuretic dose • If an increase of diuretics is ineffective after 48 hrs. – call MD – suggest IV loop diuretic if patient is not on one and request order to draw BMP (prior to diuretic administration) and additional BNP • Increase visit frequency (PRN visits) as indicated for cardio-pulmonary assessment • If no response from IV diuretic after 24 hours – call MD and request increase in IV diuretic
<p>Medication Review</p> <p>A Clinician will conduct a medication review and reconciliation in the patient's home at the Start of Care (SOC).</p>	<p>Review and reconciliation of medications will ensure that the patient is taking the appropriate drugs and dosages and help to prevent omissions, drug-drug interactions and potential adverse reactions.</p>	<ul style="list-style-type: none"> • Review & reconciliation of all medications • Identify high risk medications patient may be taking
<p>Patient/Caregiver Education Plan</p> <ul style="list-style-type: none"> • Teach Patient/caregiver to transmit vital signs including weight and pulse oximetry daily and to answer programmed questions • Educate Patient/caregiver on implications of High Risk Medication • Prepare Patient/Caregiver for Discharge when HF is stable /ready for self care management. • Educate patient/caregiver regarding ongoing monitor rental or purchase 	<ul style="list-style-type: none"> • Patients/caregivers will be able to identify signs & symptoms of side effects or adverse reactions to high risk drugs • Patient/caregiver will better understand their disease process, how to identify signs and symptoms of worsening conditions and how to maintain health to the highest level of function 	<ul style="list-style-type: none"> • Teach patient/caregiver side effects and potential adverse effects of medications and Signs & Symptoms of HF (Weight gain, edema, SOB, exhaustion) <ul style="list-style-type: none"> • Utilize "Teach DASH diet" (↓salt/↑fruit, veg., whole grains, lean meat, poultry, fish, non-dairy) • Utilize "Teach Back" technique to reinforce teaching; <i>ask patient to repeat what was taught</i> • Teach patient/caregiver to take and monitor vital signs manually (B/P, Pulse, weights)

C5000.02 12/2014 E14-0148

Copyright © 2010 Honeywell HomMed®, LLC. All rights reserved.

Developed in 2010 with assistance by Lynda Laff, Laff Associates. References: American Heart Association, Heart Failure Guidelines; Heart Failure Association of American Heart Failure Guidelines 2010; Target: HF Tool Kit; CMS Interpretive Guidelines for OASIS-C.

The content of these guidelines are for informational purposes only and are not professional medical advice. Always seek the advice of a physician or other qualified health provider with any questions regarding a medical condition, diagnosis or treatment plan.