

Hospital to Physician Office to Home: A Respiratory Led Program Across the Continuum of Care

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Important Milestones

- July 2011- Respiratory department implementation of a Clinical Respiratory Specialist
- The Respiratory Care department placed a dedicated therapist in the ED
- CMC-NE kicked off the Beacon COPD Disease Management Program in January 2012
 - The goal was to develop a standardized disease management program that followed the patient throughout the continuum of care (ED-Inpatient-Medical Home)
- The outpatient RT Pilot Program began in the Medical Home the week of November 20, 2012

Role of the Clinical Respiratory Specialist

- Identify patients with admissions for COPD Acute Exacerbation
- Meet one on one with patients to assess level of knowledge regarding COPD diagnosis and symptom management
- Educate patients on COPD and respiratory medications
- Refer patients to Clinical Case Management for home health services, financial concerns, etc.



Patient identification process beginning July 2011

Review RT work list for patients admitted for respiratory symptoms Review patient charts for history, diagnosis of, or admission for COPD Establish patient priority based on current admission diagnosis and previous admission history

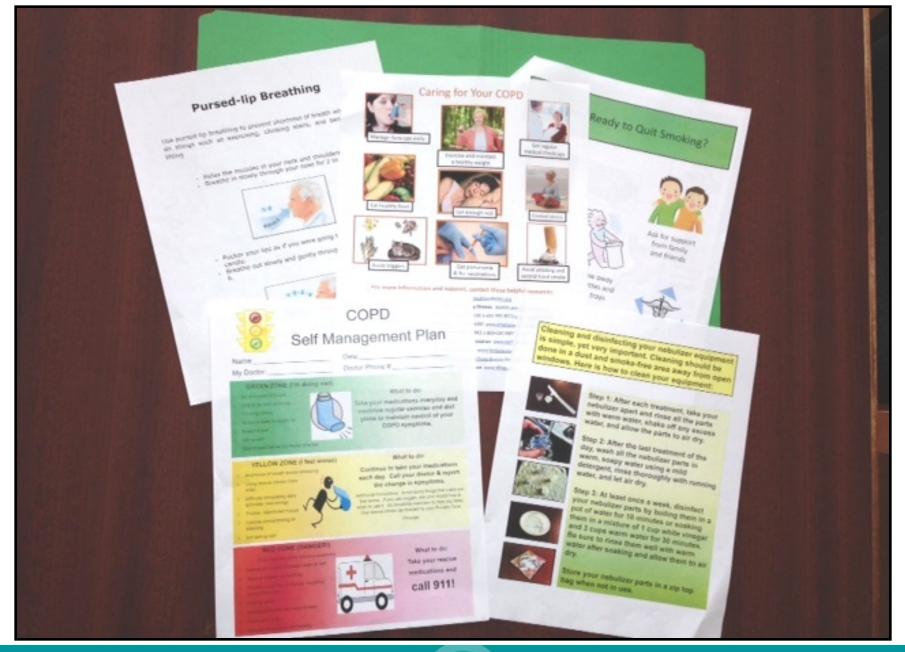
Modified process in April 2012

Review RT work list
For patients
admitted for
respiratory
symptoms & review
patient list provided
by Case
Management

Review patient charts for history, diagnosis of, or admission for COPD Establish patient priority based on current admission diagnosis and previous admission history

Educate patients on COPD and respiratory medications

- COPD disease process and symptom management
- Avoiding risk factors/respiratory triggers
- Rescue vs. maintenance inhalers
- Proper technique for individual inhaler devices
- Proper frequency for maintenance inhalers—why it is important to take them at the proper frequency
- Pursed-lip & diaphragmatic breathing techniques for dyspnea management
- Explain benefits of pulmonary rehab & and refer to program
- SMOKING CESSATION





What's in your med bag???

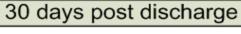






Refer patients to Clinical Case Management for home health services, financial concerns, etc.

- > Transportation issues
- Palliative Care Consults
- Medication affordability
- Rehab facilities placement
- Home Health Services
- DME services







Current COPD TeleHealth Process

Inpatient COPD RN

TeleHealth

Identifies patients via: Admitting Dx., Readmission, History of COPD, Current signs and symptoms, and Allscripts Managed List	Assesses patient understanding of COPD	Assists patient/ caregiver with community resources. Facilitates PCP follow- up appointment, Home care, DME, etc.	Creates a Task in Allscripts to TeleHealth that includes patients name and discharge date		Receives Allscripts task from COPD RN	Provides follow up phone calls to address: *Social and financial concerns *Management and understanding of disease *Medication compliance * Physical and emotional well- being	Typical call frequency: 1 call per week x4, 1 call every 2 weeks x4, 1 call every month x3 **If goals are not met, teaching plan is revised and calls are continued at least every 2 weeks with focus on unmet goals.
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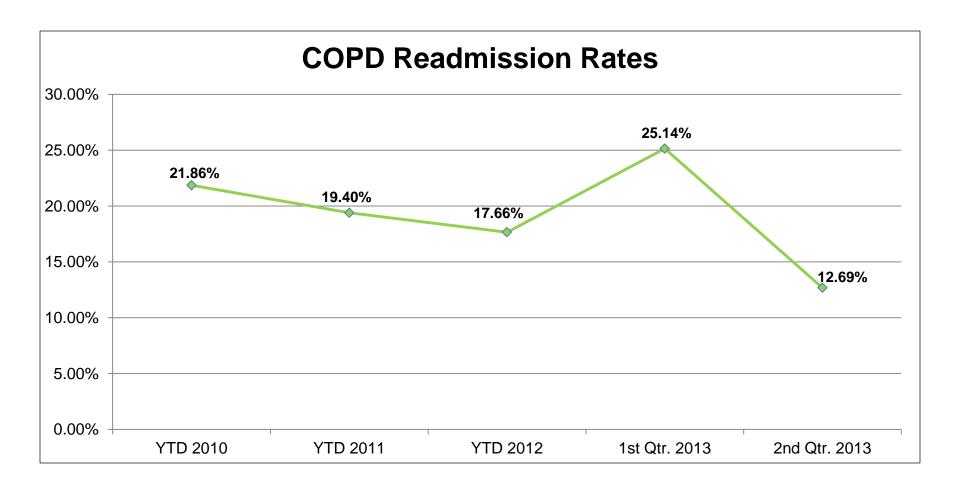


Ms. K

- Readmission for COPD exacerbation in <24 hours of discharge</p>
- ❖ 70 year old Female
- History of COPD, HTN
- Diagnosed with COPD 15 years ago
- Former smoker- 1-2 packs/day since age 20
- ❖ NEVER hospitalized for COPD exacerbation
- Lives alone in a retirement community
- AMAZING family/friend support

COPD READMISSIONS (YTD-June)

MS-DRG: 190: Chronic obstructive pulm disease w/MCC, 191: Chronic obstructive pulm disease w/CC, 192: Chronic obstructive pulm disease w/oCC/MCC





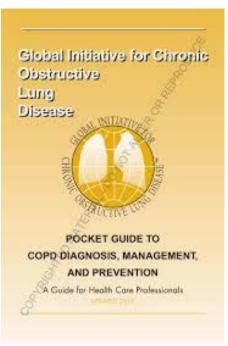
Beacon COPD Project

The Medical Home Respiratory Therapist Program

One



- The Medical Home RT Pilot Program began the week of November 20, 2012.
- An outpatient COPD algorithm was created based on GOLD guideline criteria to ensure standardization of treatment between outpatient providers.
- The PCP Pilot sites were:
 - Kannapolis Internal Medicine
 - Carolina Internal Medicine
 - Ardsley Internal Medicine-Concord
 - Cabarrus Family Medicine- Mt. Pleasant
 - Cabarrus Family Medicine- Harrisburg







COPD Population Screener

A validated questionnaire that can help identify people age >= 35 who are at risk for COPD through the identification of symptoms and risk.



The tool may lead to increased awareness of COPD, earlier symptom recognition and use of spirometry for accurate diagnosis.

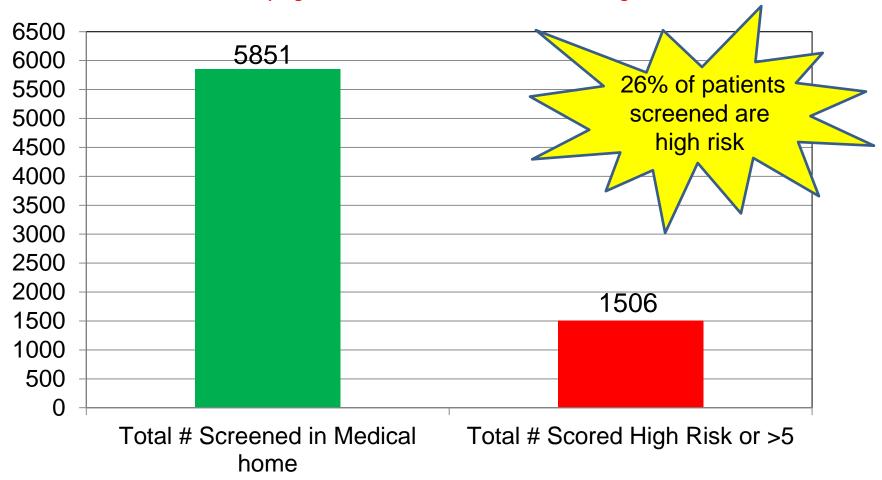
COPD POPULATION Screener™ - DRIVE4COPD



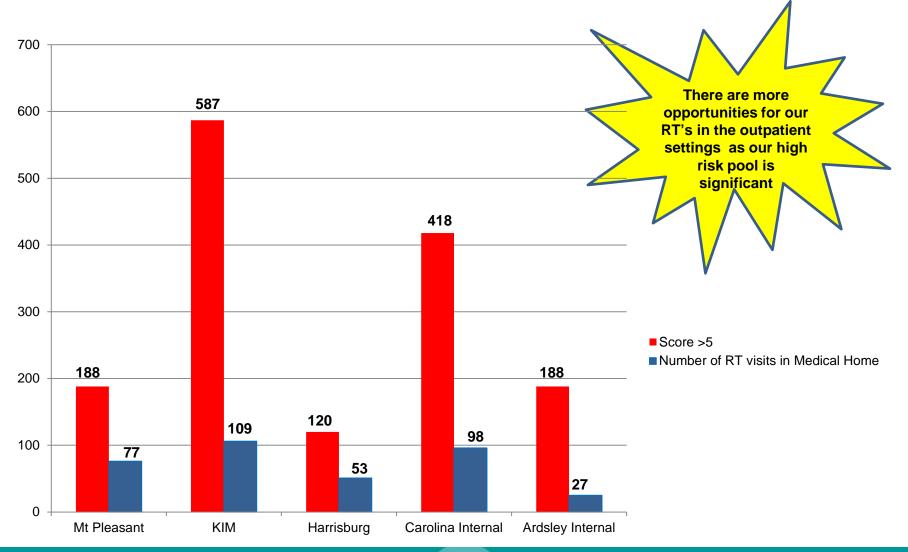
- 1. During the patient 4 weeks, how much of the time did you feel short of breath?
- 2. Do you ever cough up any "stuff", such as mucous or phlegm?
- 3. Please select the answer that best describes you in the past 12 months: I do less than I used to because of my breathing problems.
- 4. Have you smoked at least 100 cigarettes in you entire life?
- 5. How old are you?

Medical Home: Embedded Respiratory Therapist Program Total Patient Screened and % High Risk

Note: Pilot program data from November 20, 2012 thru August 30, 2013

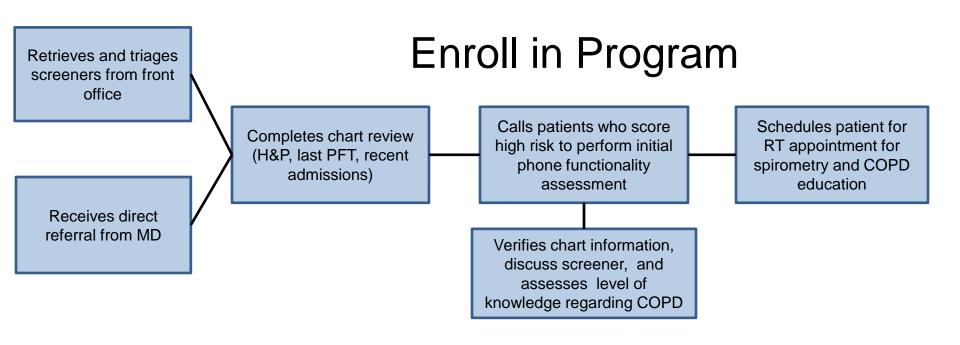


Pilot Site Specific Screening Data



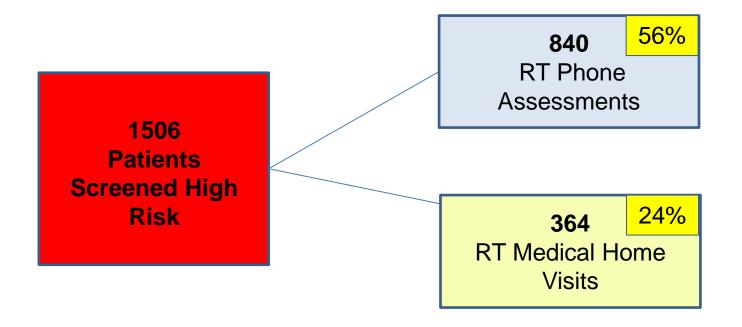


Identify Patients



Respiratory Therapists: Establishing a Patient Panel

RT's also identify patients through direct MD referral of hard to manage COPD patients.

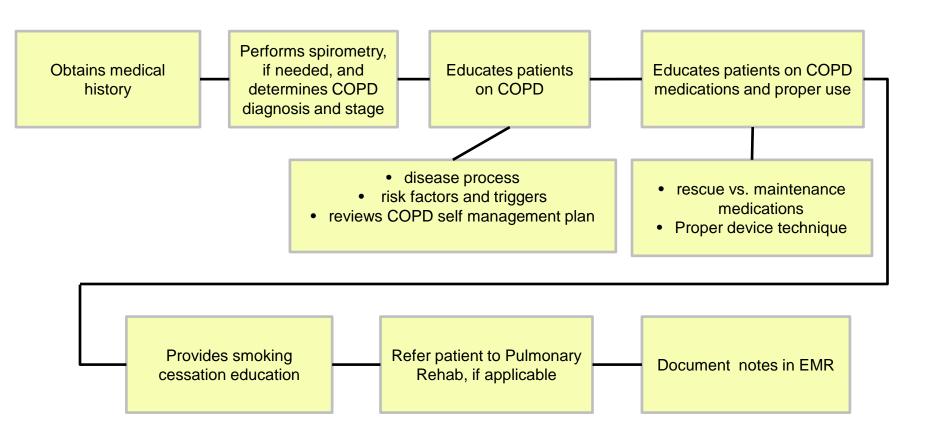


There are more RT opportunities in the outpatient settings as our high risk pool is significant



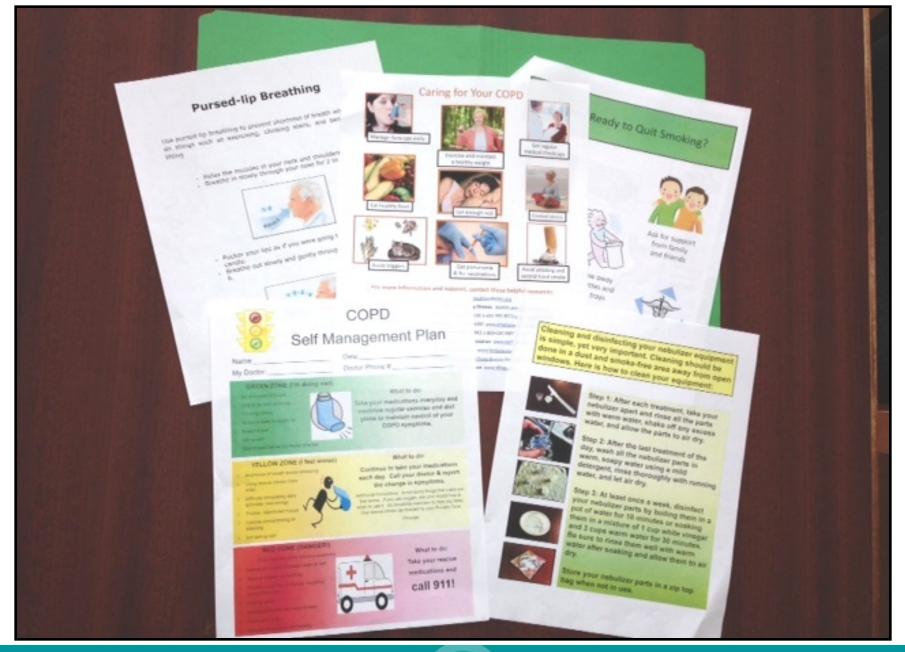


Visit Process



Each patient received at least 1 follow-up phone call 2-4 weeks post visit







What's in your med bag???





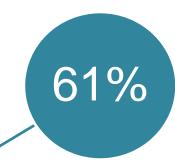




Respiratory Therapists: Patient Interventions Performed







 222 First Time Spirometry Performed



 217 Smoking Cessation, Referrals, Smoking Packets



167 Patients
 Treated
 Compliant to the
 Gold Guidelines

<u>Ms. X</u>

- 47 year old female
- Screener score of 7
- No diagnosis of COPD
- Current 1 pack/day smoker
- Phone interview conducted and appointment scheduled with RT
- ❖ Patient no call/no show times 2 and then cancels the 3rd appointment

4 months later.....

- Patient calls to schedule another appointment and shows up!!
- Mother had just died from COPD/Pneumonia
- ❖ Father just diagnosed with stage 4 lung cancer











