

# DEALING WITH COPD

Bundle Intervention



COPD IS THE **THIRD MOST COMMON** CAUSE OF READMISSION AMONG MEDICARE BENEFICIARIES, OCCURRING IN

**60%**

of patients within 1 YEAR OF hospital discharge.

**30%**

of patients within 3 MONTHS OF hospital discharge.

According to Moira Kendra, DNP, of Atlantic Health System in Morristown, New Jersey, and colleagues:

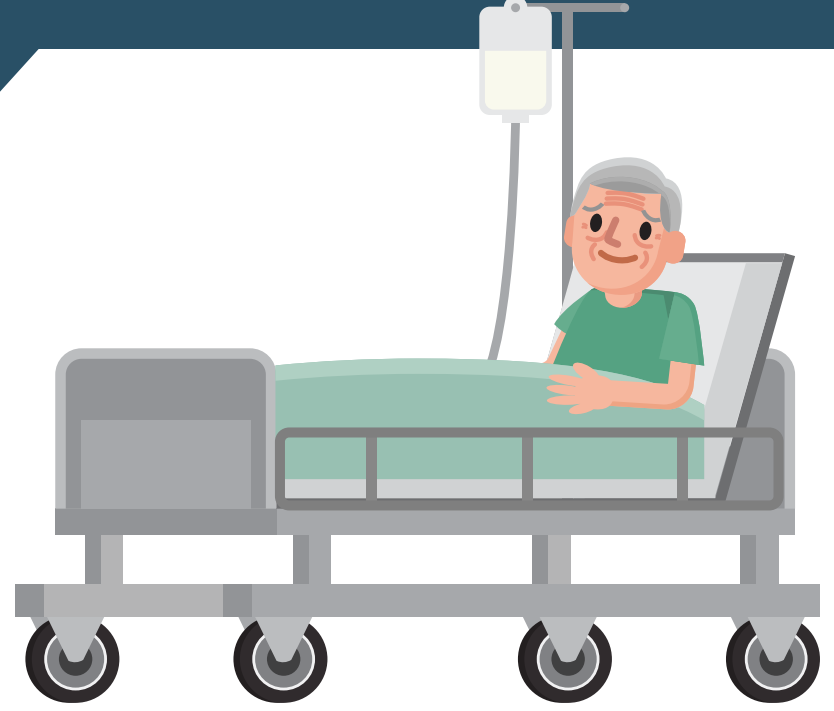
Patients who were admitted for acute exacerbations of COPD who received the **BUNDLE INTERVENTION** had a 30-day readmission rate of

**22.2%**

Patients who were admitted for acute exacerbations of COPD who received the **PRE INTERVENTION** had a 30-day readmission rate of

**32.7%**

Penalties imposed on hospitals by CMS for high readmission rates may have had little impact on introducing programs addressing risk factors for readmission because hospital administrators have found it cheaper to pay the penalties than to put programs in place to lower readmissions in patients with high-readmission conditions.



## BUNDLE INTERVENTION OBJECTIVES:

**01**

OBJECTIVE



PATIENT EDUCATION

Patient education on COPD by healthcare providers prior to discharge

**02**

OBJECTIVE



ACTION PLAN

Completion of an individualized self-management COPD action plan to be used by patients after hospital discharge

**03**

OBJECTIVE



FOLLOW-UP

Timely outpatient follow-up with a pulmonologist

A study was taken at Morristown Medical Center to determine if a **COPD Care Bundle** delivered by a multidisciplinary healthcare team reduced hospital readmission rates for acute exacerbations of COPD.

After the bundle objectives were implemented in April 2017, patients admitted with acute COPD exacerbations were enrolled in the **post-intervention group**. Another group of patients were enrolled in the **pre-intervention group**.

The 30-day readmission rate was **LOWER** in the **POST-INTERVENTION GROUP** as were 60-day and 90-day readmission rates!

**POST INTERVENTION GROUP**

30-day readmission rate:

**30.3%**

60-90-day readmission rate:

**35.3%**

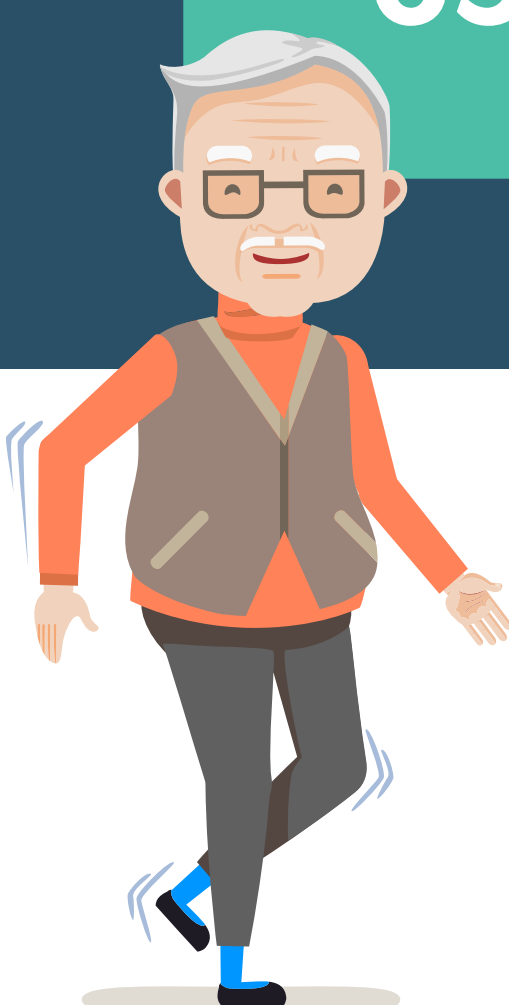
**PRE INTERVENTION GROUP**

30-day readmission rate:

**56.0%**

60-90-day readmission rate:

**62.6%**



"The researchers concluded that implementation of a discharge care bundle in patients admitted with COPD exacerbations significantly and consistently reduced 30-day hospital readmission rates without increasing hospital LOS, and that the reduction in readmissions was sustained through 60 and 90 days."

\*All information taken from [medpagetoday.com](http://medpagetoday.com)



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1507 Avenue M, Brooklyn NY 11230  
**718.382.0900**  
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