# What "RIMEs" with COPD:

## Developing Learning Objectives and Preliminary Lesson Plans

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#### **Session Objectives**

- Differentiate between higher-order and lowerorder learning objectives as they relate to clinical instruction
- Apply the hierarchy of learning objectives to specific stages of learning about Chronic Obstructive Pulmonary Disease (COPD)
- Using a selected disease model, develop hierarchical learning objectives for pre-clinical students



#### RIME Stages

- R = Reporter
- I = Interpreter
- M = Manager
- E = Educator



# Bloom's Taxonomy Lower Order Knowledge Comprehension Application Higher Order Analysis Synthesis Evaluation

#### Reasons for Using Objectives

- Define intended outcomes
  - Outcomes should be
    - Measurable (use a verb)
    - Appropriate for learner
- Aid in shaping content and presentation
- Guide assessment

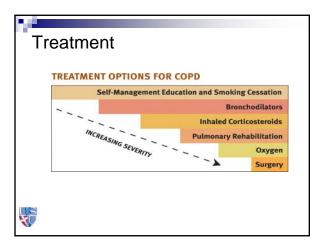


#### Why COPD? Why Now?

- 4<sup>th</sup> leading cause of death
  - □ Only top killer with increasing mortality
- 12 million diagnosed
- Another 12 million undiagnosed



### Why COPD? Why Now? ■ COPD patients will become a greater proportion of caseload Treatment advances □ Can improve quality of life $\hfill \square$ May slow the progression of the disease □ Diagnosis is key **Risk Factors** Age 40 and over □ Persistent/progressive dyspnea □ Chronic cough □ Sputum production □ Unusual and noticeable decline in activity level, especially with smoking history □ 1 out of 6 Americans with COPD has never smoked Diagnosis: Pulmonary Function **Testing** Spirometry □ Determines severity □ Distinguishes from asthma Diagnosis □ FEV<sub>1</sub>/FVC<0.7 (postbronchodilator)



#### Classify These Objectives

Knowledge/Reporter, Comprehension/Reporter Application/Interpreter

- Compare lung function in a healthy patient with lung function in a patient with COPD
- List the 3 most common clinical symptoms associated with COPD



Differentiate between COPD, emphysema, and chronic bronchitis

#### Classify This Objective

- A 62 year-old female smoker is presenting with the chief complaint of a cough. The FVC is 3.1 L/sec and the FEV<sub>1</sub> is 1.8 L/sec. The FEV<sub>1</sub>/FVC is .58.
- Develop a differential diagnosis for this patient.



# Linking Objectives to Lesson Plans Knowledge/Reporter objective: □ List three risk factors for COPD Lesson activity Assessment question Linking Objectives to Lesson Plans Comprehension/Interpreter objective □ Explain why smoking is a risk factor for COPD Lesson activity Assessment question

#### Linking Objectives to Lesson Plans

- Application/Interpreter objective
  - ☐ Given a patient's spirometry test results, interpret the results as they relate to COPD
- Lesson activity
- Assessment question

