# Association of Asthma Educators: Becoming an Asthma Educator and Care Manager

Produced by the Alabama Department of Public Health Video Communications and Distance Learning Division

#### **Case Studies**

## **Faculty**

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# 37 year-old WF

- This woman was diagnosed with asthma about 15 years ago
- She has had no consistent asthma care
- She visited a PCP a few weeks ago due to an asthma attack and fever and was given Combivent and Advair 250/50, both of which she has used "as needed"

# 37 year-old WF

- She was referred to the asthma clinic and presents with daily wheezing, chest tightness, and SOB in the AM, daily cough with dark sputum attributed to smoking, and nighttime awakenings
- She works as a clerk in a dusty store and is sensitive to perfumes, dust, and bleach

## 37 year-old WF

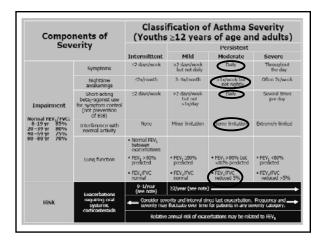
- She also reports breaking out into a rash when exposed to irritants
- Her FVC is 89% of predicted, FEV1 is 80% of predicted, and her FEV1/FVC is 74%
- Her FVC and FEV1 increased by 4% and 9% respectively post bronchodilator

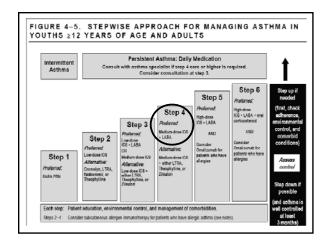
#### Issues

- Likely does not know much about asthma
- · No asthma action plan
- · Classification of severity unknown
- Unknown status of environmental control

#### Issues

- Poor understanding of her medications
- She smokes
- · PFT is abnormal for her age





#### **Educator's Actions**

- Asthma classified as Moderate Persistent
- Asthma education program
  - Asthma pathophysiology, trigger identification, environmental control, medication use

### **Educator's Actions**

- WAAP
  - Medications: Advair 250/50 1 puff
     BID and Albuterol MDI 2puffs PRN
  - -Symptom monitoring and PEF
  - -Zone system
- See that she has medications or access

#### **Educator's Actions**

- Smoking cessation
- Schedule F/U

## Case Report #2: Mr. Z

- 40 yr old white male c/o SOB with activities
- Has had problems from childhood with wheeze, SOB
- Also snores and makes loud noises during sleep

# Case Report #2: Mr. Z

- Has been taking DPI
   Flucticasone/Salmeterol (250/50) 1
   puff BID and Albuterol MDI 2 puffs
   PRN
  - -Did not feel that they did much

## Case Report #2: Mr. Z

- Had a sleep study that was read as negative but patient stated that he "couldn't sleep"
- · Being treated for asthma
  - -We saw him at the Victory clinic on his 5th visit

#### Mr. Z

- PMH includes obesity, renal stones, deviated septum, HTN (controlled)
- He is 6'3" tall and 320 lbs
- Only hospitalization was in 2000 for a catfish puncture to his hand

#### Mr. Z

- Family history
  - -Son has asthma
  - Mother DM, renal stones
  - -Father has hyperlipidemia
- Occcupation: Commercial fisherman
- Married , never smoked, drinks about 3 beers a month and about 3 glasses of tea or coffee a day

## Mr. Z

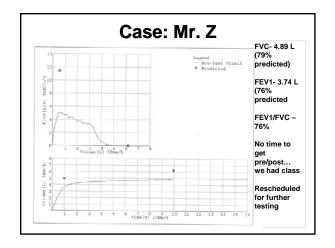
- 1st visit in July with c/o bilateral swelling in his legs, 30 lb weight gain in 3 months
  - -Some DOE noted
  - Had some labs drawn
- 2nd visit August F/U with lab work,
   c/o lumbar pain Tx with moist heat
   and stretching

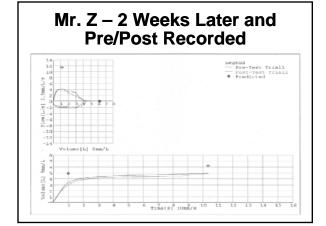
#### Mr. Z

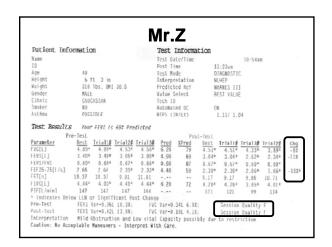
- 3rd visit Oct. c/o dry cough, sinusitis
  - -More issues with DOE, SOB
- 4th visit 2 weeks later in Oct. nothing remarkable noted

## Mr. Z

- Referred to Pulmonary clinic in Nov. for his 5th visit
  - Spirometry done with frequent errors, hard to get a good quality recording
  - -Odd phonation noted







### Take-home – Mr.Z

- Asthma symptoms need to be verified with spirometry, CXR, consider what to rule-out
  - -CHF, VCD, foreign-body aspiration
- Asthma treatment should have a positive impact on quality of life, symptoms
- Stop inappropriate treatment