

Challenges in Pulmonary and Critical Care 2017



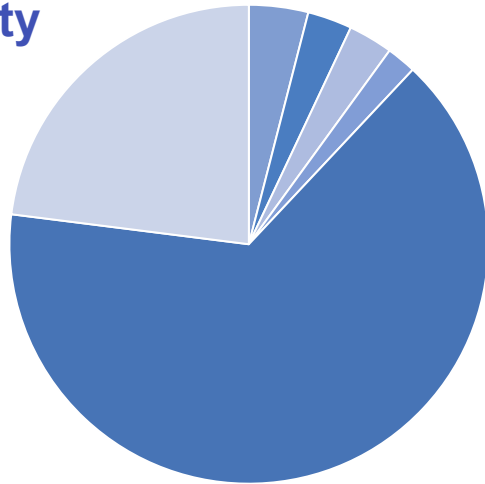
COPD – New Management

Outcome Report: Sunovion Grant Med Onc 116

February 8, 2018

Level 1 (Participation)

Practice specialty



- 48% PCPs
- 15% Hospitalist
- 6% Pulmonologist
- 5% Cardiologist
- 3% Emergency Medicine
- 23% Other or did not respond



448

total attendees



349

remote simulcast



99

on site

Professional Degree

- 26% MD
- 1% DO
- 60% NP
- 9% PA
- 4% RN or other



92%

Provide direct patient care

Key Findings



Knowledge/Competence

Improvement in all 4 of the questions addressing the diagnosis and management of COPD, 3 of which achieved statistical significance



Confidence

Percentage of learners that claimed to be somewhat to very confident in their understanding of COPD increased from 35% to 93% four weeks after the program.



Practice

91% stated they would implement new strategies learned at this program and 56% stated 4 weeks after program that they had improved their screening protocols for patients with pulmonary disease



Change of Practice Behavior

After 4 weeks, participants reported the following improved skills regarding the treatment of patients with pulmonary disease: 70% disease state awareness, 61% pharmacotherapy, and 48% patient education.

4 Weeks Post N= 164

Discussion and Implications

- ❖ Overall, the program improved understanding of the learners in diagnosis and management and pharmacotherapy of COPD
- ❖ Major improvement in understanding the disease and its importance
- ❖ Learners demonstrated persistent gaps in the several areas including:
 - ❖ Selection of stage appropriate inhalers in COPD
 - ❖ Complete understanding of trial design and efficacy of approved medications
 - ❖ Understanding the phenotypes of COPD

The post-test scores, and intent to change practice patterns regarding the management of patients with chronic obstructive pulmonary disease signifies a clear gap in knowledge and an unmet need among clinicians. It continues to be an important area for future educational programs.

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Challenges in Pulmonary & Critical Care

11th Annual Symposium
2017

Commercial Support

The Challenges in Pulmonary & Critical Care 2017 held on December 2, 2017 was supported through educational grants or donations from the following companies:

- Actelion Pharmaceuticals US, Inc.
- Bayer Healthcare Pharmaceuticals, Inc.
- Boehringer Ingelheim Pharmaceuticals, Inc.
- CSL Behring
- Grifols
- Mallinckrodt Pharmaceuticals
- Shire
- Sunovion Pharmaceuticals Inc.

Learning Objectives

1. Describe strategies of care in COPD to improve diagnosis and ongoing symptom assessment.
2. Tailor COPD therapy to the individual patient following current therapeutic strategies accounting for unique patient needs and characteristics, including the appropriate use of inhaled therapeutic devices.
3. Discuss the role of evolving bronchoscopic techniques for lung volume reduction.
4. Collaborate with members of interprofessional health care team for to create an effective patient-centered, chronic disease management program.

Levels of Evaluation

Consistent with the policies of the ACCME, NACE evaluates the effectiveness of all CME activities using a systematic process based on Moore's model. This outcome study reaches Level 5.

Level 1: Participation

Level 2: Satisfaction

Level 3: Declarative and Procedural Knowledge

Level 4: Competence

Level 5: Performance

Level 6: Patient Health

Level 7: Community Health

Moore DE Jr, Green JS, Gallis HA. Achieving desired results and improved outcomes: integrating planning and assessment throughout learning activities. J Contin. Educ. Health Prof. 2009 Winter;29(1):1-15

Level 2 (Satisfaction)



99% rated the activity as excellent



99% indicated the activity improved their knowledge



97% stated that they learned new and useful strategies for patient care



91% said they would implement new strategies that they learned

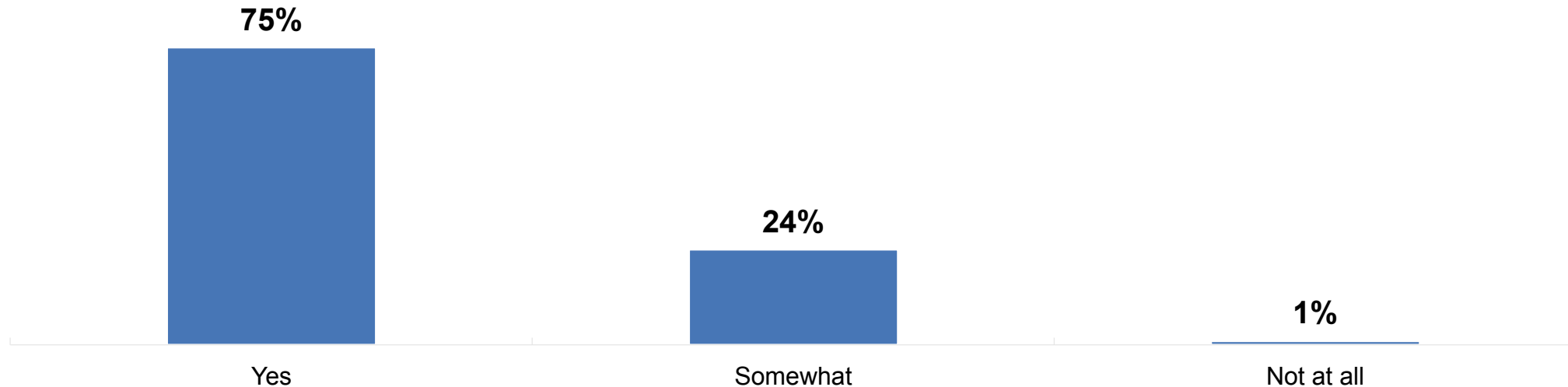


100% said the program was fair-balanced and unbiased

Attendee Learning Objectives Achievement

Upon completion of this activity, I can now:

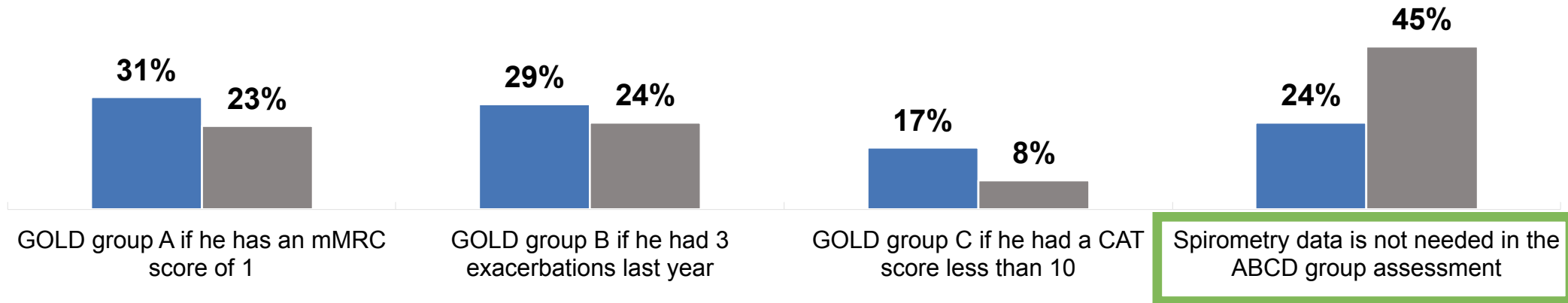
- Describe strategies of care in COPD to improve diagnosis and ongoing symptom assessment.
- Tailor COPD therapy to the individual patient following current therapeutic strategies accounting for unique patient needs and characteristics, including the appropriate use of inhaled therapeutic devices.
- Discuss the role of evolving bronchoscopic techniques for lung volume reduction.
- Collaborate with members of interprofessional health care team for to create an effective patient-centered, chronic disease management program.



Sample Size: N = 395

Based on the 2017 update of GOLD guidelines, a patient with an FEV 1 of 70% predicted would be categorized in which GOLD group:
(Learning Objective 1)

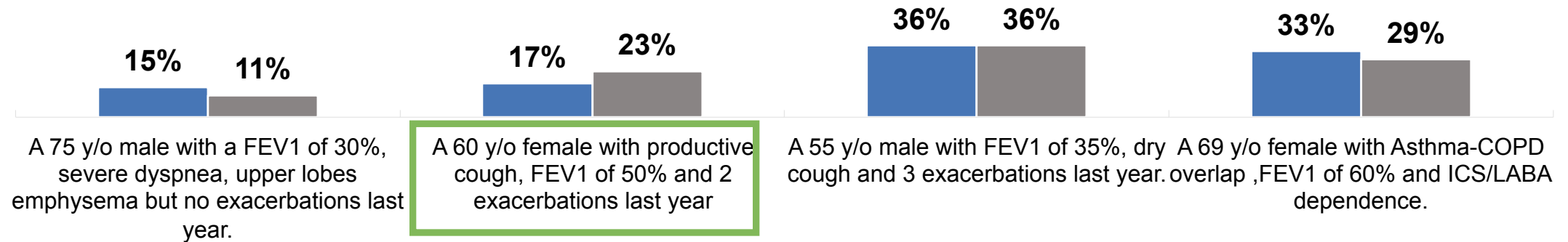
P Value: 0.001 – Significant



Pre N = 200 Post N = 181

What COPD phenotype will benefit the most from Phosphodiesterase-4 Inhibitors: (Learning Objective 2)

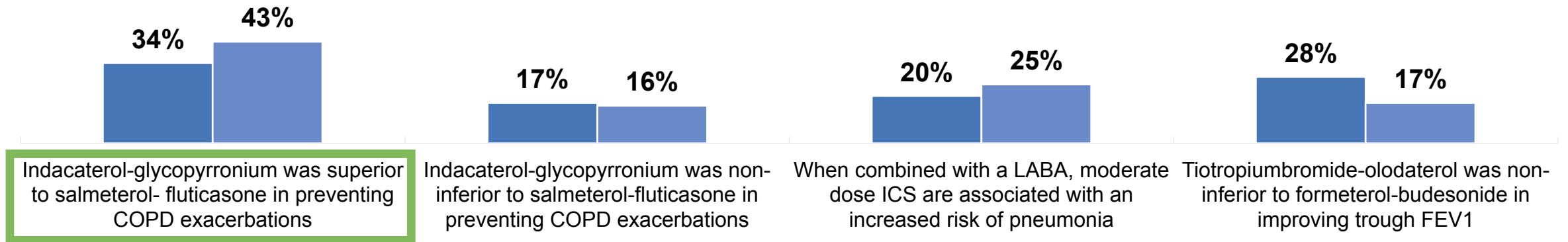
P Value: 0.121 – Not Significant



Pre N = 203 Post N = 187

The Flame RCT was a “game changer” as it demonstrated that: (Learning Objective 2)

P Value: 0.001 – Significant

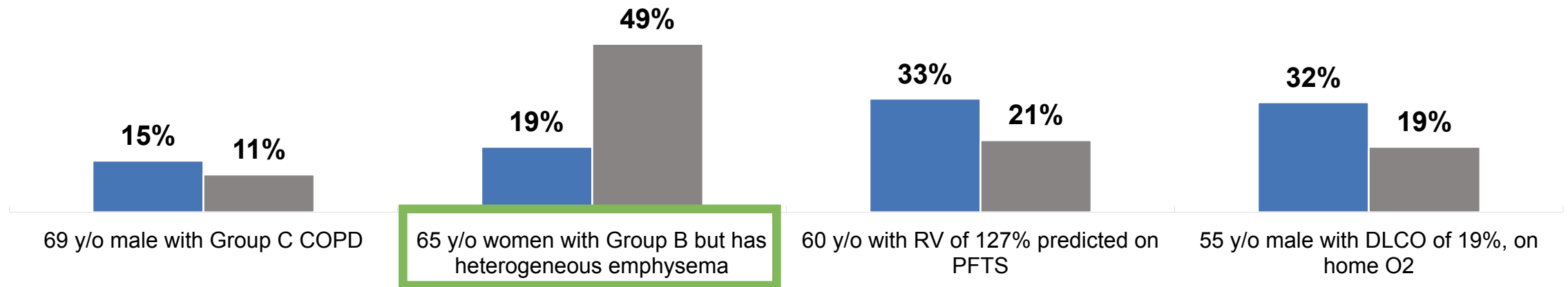


Pre N = 187 Post N = 190

Which one of the following patients may benefit from referral to a site that is enrolling patients for bronchoscopy volume reduction trial:

(Learning Objective 3)

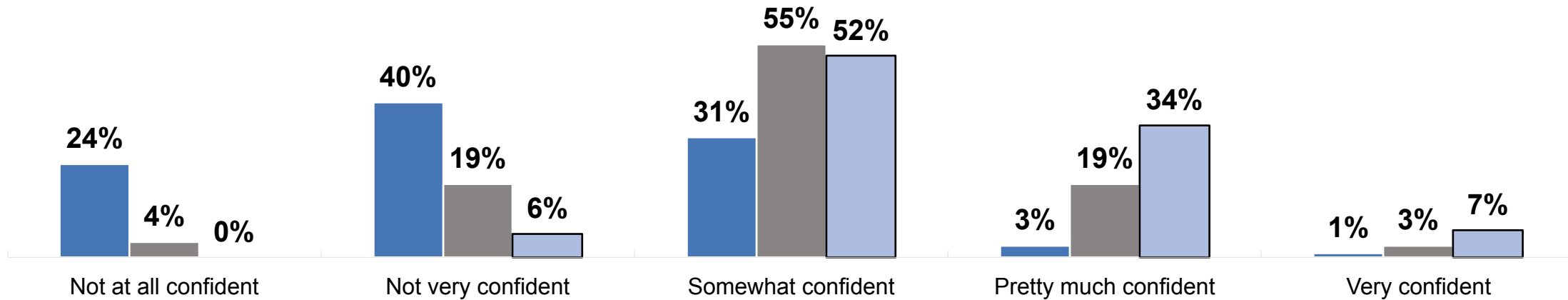
P Value: 0.001 – Significant



Pre N = 195 Post N = 194

Confidence Assessment

Please rate your confidence in your ability to integrate current and emerging data into the care of your patients with COPD based on disease severity and patient characteristics:



Pre N = 210 Post N = 212 4 weeks N = 163

Data Interpretation

More aware of GOLD staging and the importance of multidimensional assessment of COPD rather than relying on spirometry for classification

Improved recognition of COPD phenotype that would benefit from Phosphodiesterase-4 Inhibitor therapy



**Participant
Educational
Gains**

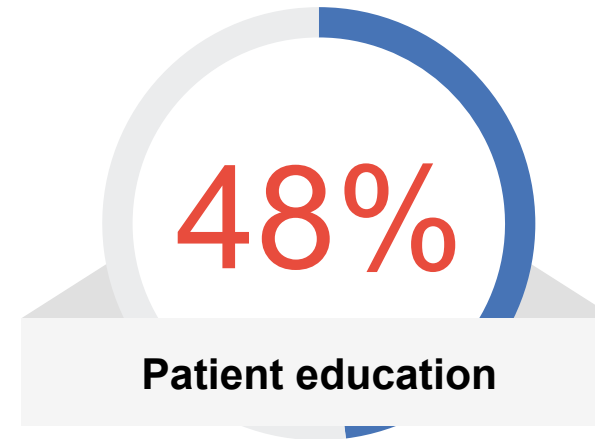
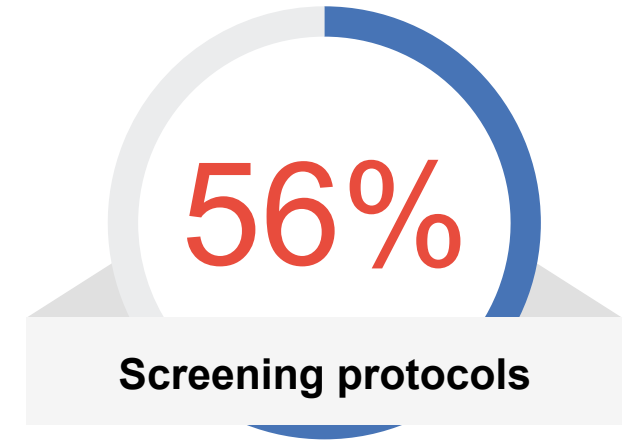
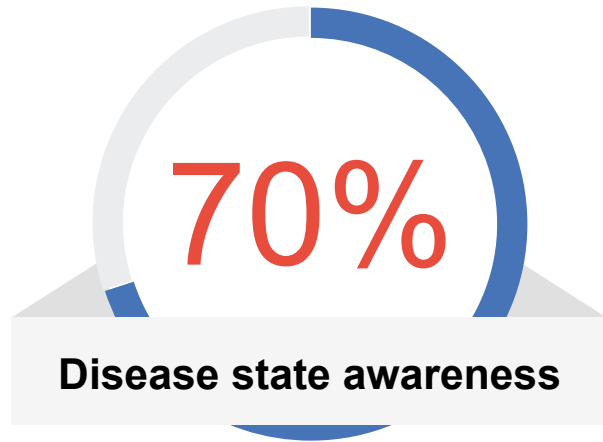
Are more aware of recent trial data demonstrating efficacy of various inhaler combinations

Recognize which patients with COPD are appropriate for lung volume reduction

(4-week Post Assessment N=164)

Please select the specific areas of skills, or practice behaviors, you have improved regarding the treatment of patients with pulmonary disease since this CME activity.

(Select all that apply.)



(4-week Post Assessment N=164)

What specific barriers have you encountered that may have prevented you from successfully implementing strategies for patients with pulmonary disease since this CME activity?

(Select all that apply)

