

September 3, 2012

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Developed through an independent educational grant from Boehringer Ingelheim and Merck.

Executive Summary

Background: With the goal of improving patient care, National Jewish Health identified performance gaps among primary care physicians and pulmonologists in protocols and guidelines for care of patients with chronic obstructive pulmonary disorder (COPD). After the release of the new GOLD guidelines in late 2011, there was a tremendous need for education around the new guideline recommendations for treatment of COPD patients.

Target Audience: Primary care physicians, internal medicine, pulmonologists and all other healthcare professionals who help care for patients with COPD.

Method: Live interactive symposium featuring case studies.

Certification

National Jewish Health designates this live activity for a maximum of 2.25 AMA PRA Category 1 Credits™; The entire conference was approved for a total of 2.5 Nursing Contact Hours; National Jewish Health designates this live activity for 2.25 Contact Hours (0.25 CEUs) of the Accreditation Council for Pharmacy Education.

Main Findings: The attendees' responses to post-test and 45-day follow-up survey questions demonstrated the following :

- 93% of participants rated the material to be very good or excellent in helping them improve their skills.
- 90% of participants stated that the activity provided new ideas or information that they expect to use.
- 80% of participants stated that they are very likely to extremely likely to make a change to their practice based on the information presented.
- 99% of participants agreed that the learning objectives were met for the activity.
- 100% of participants agreed that the material was presented objectively and free of commercial bias according to the evaluation.
- 65% of participants who completed a 45-day follow-up survey indicated that they have made changes or were in the process of making changes to their practice as a result of the program.
- 55% of participants who completed a 45-day follow-up survey indicated that they were very comfortable identifying the symptoms and physical exam findings of COPD.

Conclusions: Participants who treat patients with COPD showed that they gained knowledge, competence, and performance by participating in this live activity. The participants showed a large commitment to making a change in their own performance in practice by participating in this activity. They also showed a substantial increase in knowledge on diagnosis, treatment and management of COPD. In addition, gaps and barriers still exist, and more education is needed for providers.

**“Perfect - I can't think of a single way to improve this. “
“Great opportunity to be updated on the new guidelines.”**

Learning Objectives

Upon completion of this activity, participants will be able to:

- 1** Describe the 2011 GOLD recommendations for the combined assessment of COPD.
- 2** Determine appropriate therapies for COPD patients based on the new GOLD patient groups.
- 3** Apply evidence-based management to your patients with COPD.

Program Design

The Office of Professional Education at National Jewish Health developed the CME activity with expert faculty from the division of Pulmonary and Critical Care Medicine, Drs. Barry Make, Brendan Carolan, and Steven Lommatzsch.

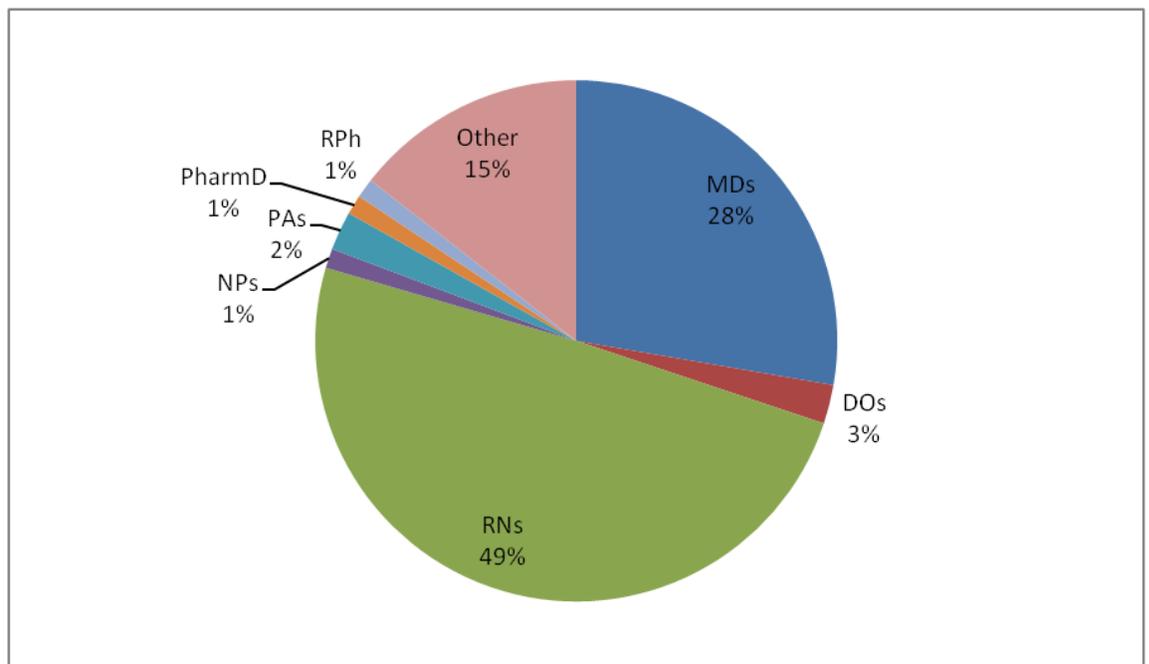
Educational Outcomes Strategy

National Jewish Health aimed at measuring knowledge, competence and performance for this activity. The following was done to measure the success of the program:

- 1.** Pre-test and Post-test
- 2.** A follow-up survey was sent 45 days following participation to all participants who attended the conference.

New Strategies of Managing COPD Evening Symposium : Participation Numbers

Total: 83 participants

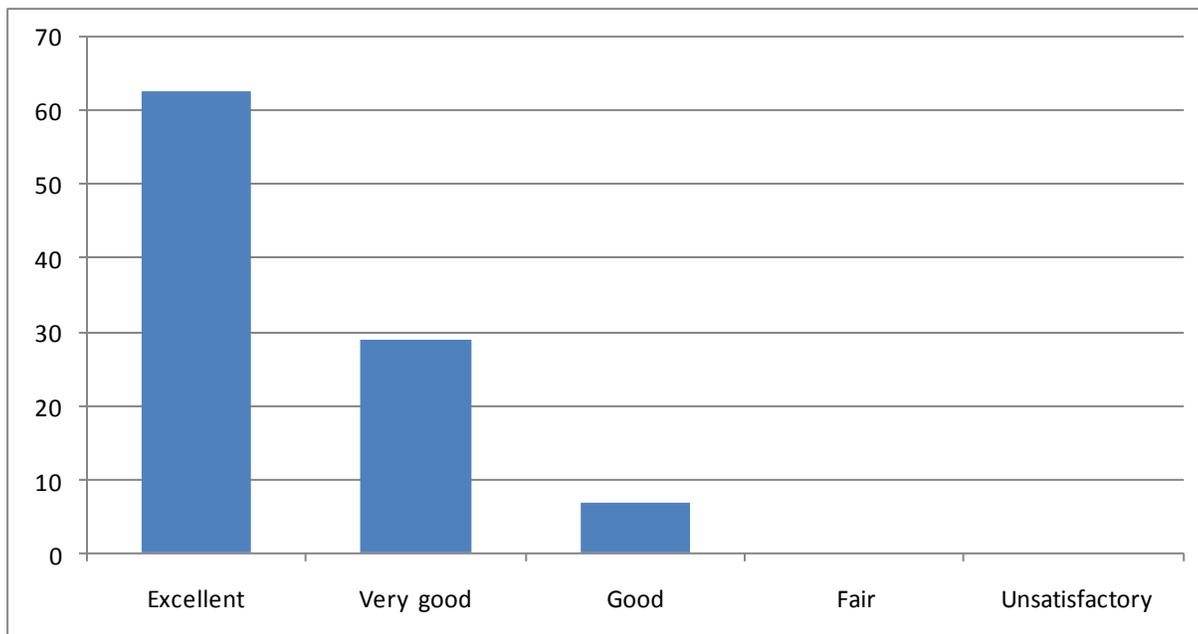


Outcome Results: Analysis of Participants' Responses

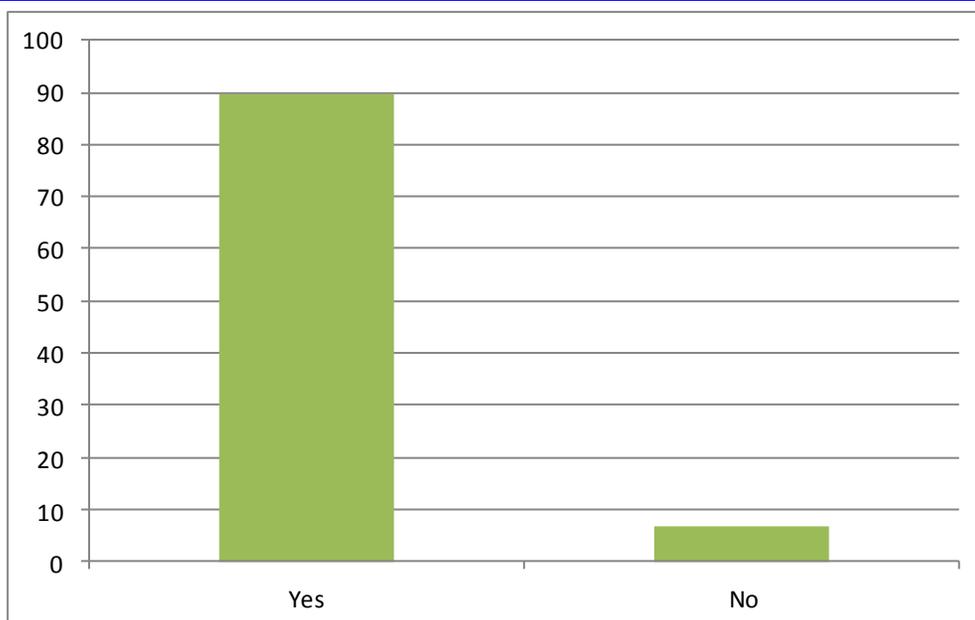
Our outcomes show that participants gained knowledge, competence and performance.

EDUCATION RESULT: The bar graph below indicates that the program was very effective at improving skills and judgment needed for caring for their patients with COPD. In addition, the program was designed to give participants new information or ideas that they could easily use while treating patients with COPD.

Question 1: How effective will the information you learned during this activity be in helping you improve your skills or judgment?

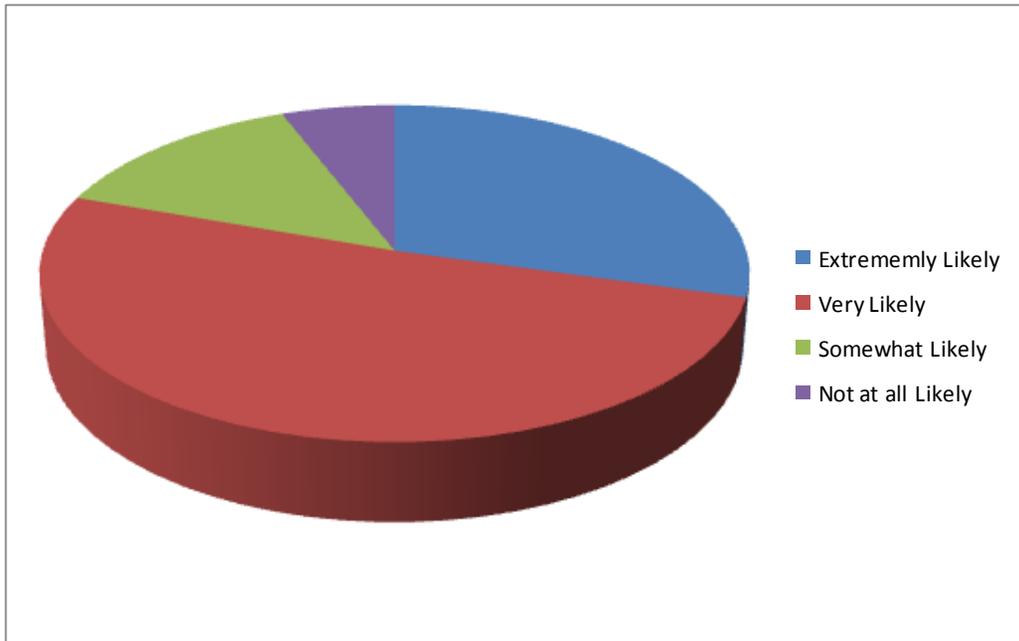


Question 2: Did today's activity provide new ideas or information you expect to use?



Outcome Results: Analysis of Participants' Responses

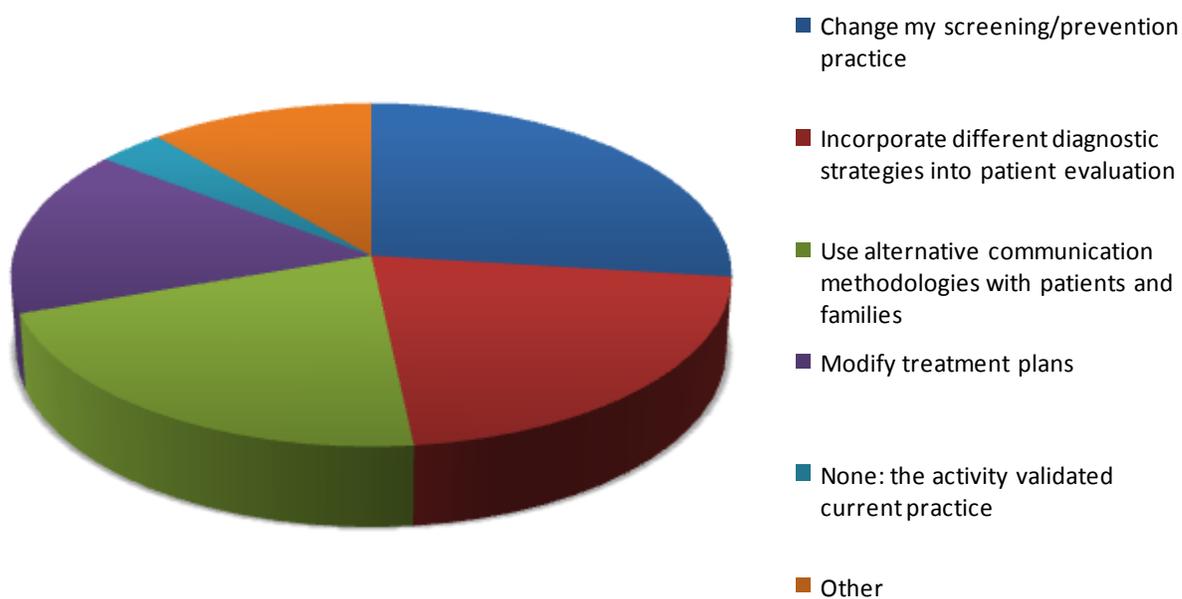
Question 3: How likely are you to make changes in your practice based on the information presented during today's educational activity?



EDUCATION RESULT:

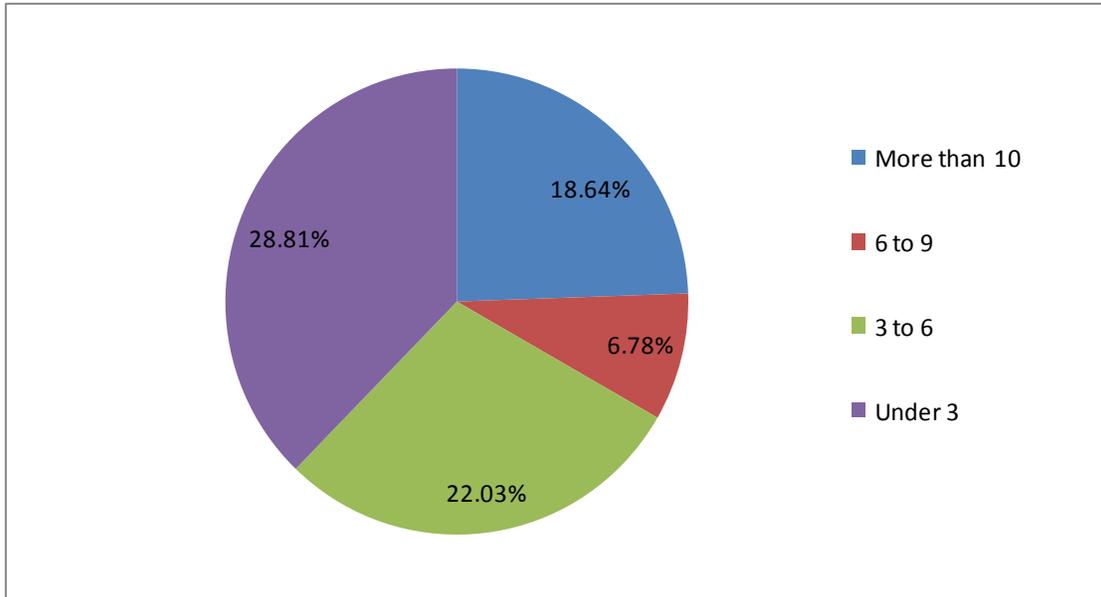
The majority of participants stated that they were likely to make changes to their practice following the program. When asked to specify their intended changes, several indicated they would either change their screening practice and/or incorporate different diagnostic strategies into patient evaluation. To see the complete list of changes that participants stated they would make, please see the graph for question 4.

Question 4: The changes I intend to make in my practice include:



Outcome Results: Analysis of Participants' Responses

Question 5 : Of the patients you will see in the next week, how many will benefit from the information you learned today?



EDUCATION RESULT: Participants indicated that the information received at the conference will benefit their patients. Eighteen percent of providers said that more than ten patients would benefit within the next week by information that they learned during the symposium. The greatest barrier identified by participants was lack of time to provide care to patients. Forty percent of participants indicated that insurance and financial issues were a barrier.

Question 6 : What are the barriers you face in your current practice setting that may impact patient outcomes?

