

The 21st Annual Regional Allied Health Conference:
Current Perspectives in Asthma, Allergy and Pulmonary Practice



OUTCOMES SUMMARY REPORT

Live Educational Activity Series
September 9, 2016

Executive Summary - Activity Details

Background:

The Office of Professional Education at National Jewish Health (NJH), the leading respiratory hospital in the nation, developed an educational program targeted to healthcare professionals who work with patients that have chronic diseases and conditions, specifically related to pulmonary and allergic diseases. The 21st Annual Regional Allied Health Conference consisted of a full-day symposium held at NJH's Molly Blank Conference Center in Denver, CO on Friday, September 9, 2016. The goal of this program was to improve the knowledge and competence of nurse practitioners, physician assistants, nurses, respiratory therapists and other allied health professionals working with patients who have pulmonary and allergic diseases.

Target Audience:

The target audience for this educational initiative was Registered Nurses, Advanced Practice Nurses, Respiratory Therapists, Physician Assistants, and other Allied Health Professionals working with people who have chronic diseases and conditions such as asthma, COPD, food allergies, CF, and IPF throughout the Rocky Mountain Region.

Executive Summary: Activity Details

Program Design:

The Office of Professional Education at National Jewish Health developed this educational activity in collaboration with the Nursing Department at National Jewish Health. The conference was designed to provide a thorough update on allergic and respiratory therapeutics, using case studies, hands-on workshops, didactic presentations, and interactive Automated Response Systems (ARS) in order to raise allied health professionals' awareness about health risks associated with pulmonary and allergic diseases.

Educational Outcomes Strategy:

Pre-tests, post-tests and evaluations were distributed to measure the participants' knowledge and competence in the topics covered during this educational initiative as well as ARS questions throughout the conference.



Executive Summary: Certification

This program was certified for the following:

- 7.0 Nursing Contact Hours
- 5.25 AAPA CME Credits
- 5.60 AANP Contact Hours
- 5.81 AARC (Respiratory Therapy) Contact Hours



Learning Objectives

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

Overall Conference Objectives

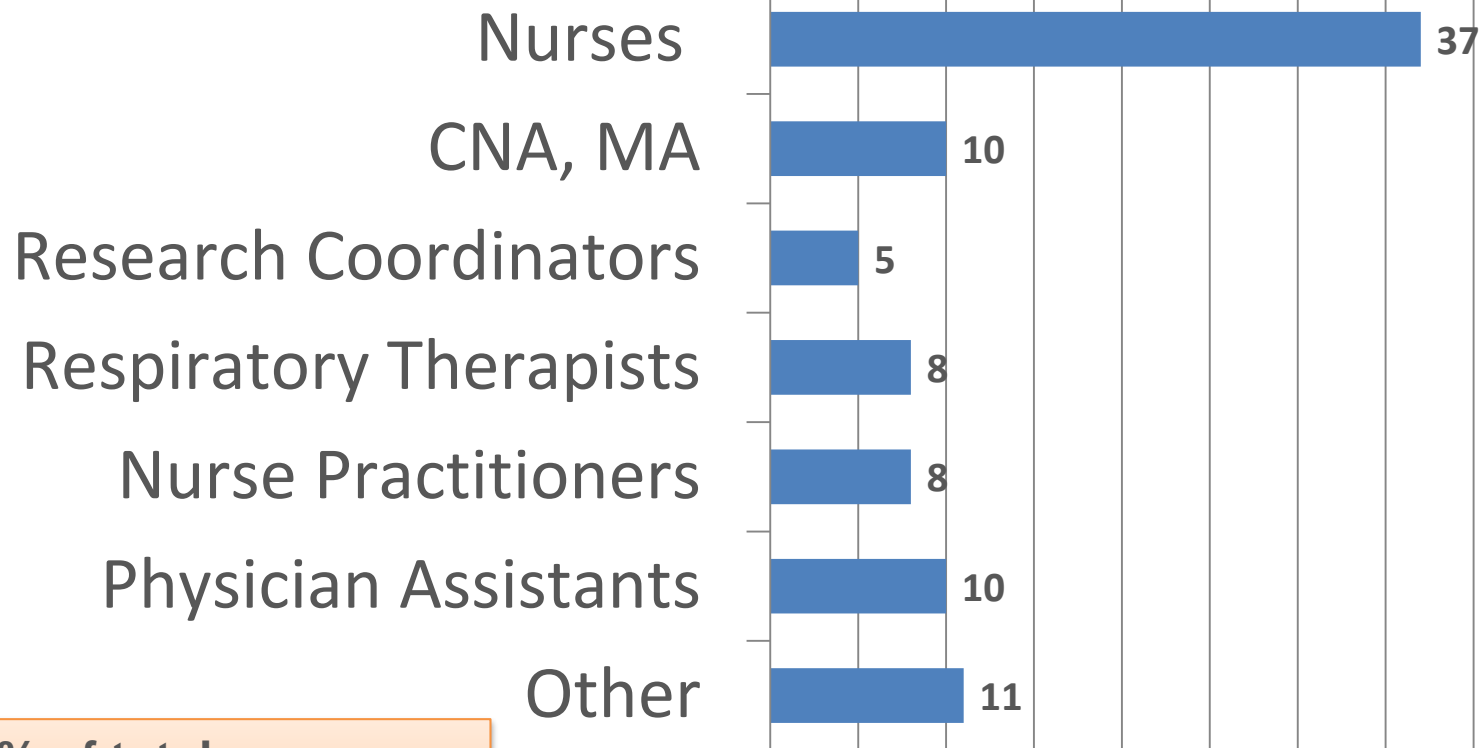
1. Describe the latest treatments and key self-management strategies for a variety of chronic diseases and conditions.
2. Demonstrate medication updates for selected chronic diseases.
3. Discuss current issues related to inhalation therapy.

COPD & Asthma Objectives

1. Discuss current management of COPD and Alpha-1 Antitrypsin.
2. Describe strategies to prevent COPD exacerbations.
3. Discuss current management of asthma using the stepwise approach.
4. Describe the use of biologics as an emerging therapy for asthma.
5. List the key elements of evidence-based quality asthma care in school settings.

Level 1 Outcomes: Participation

N=89



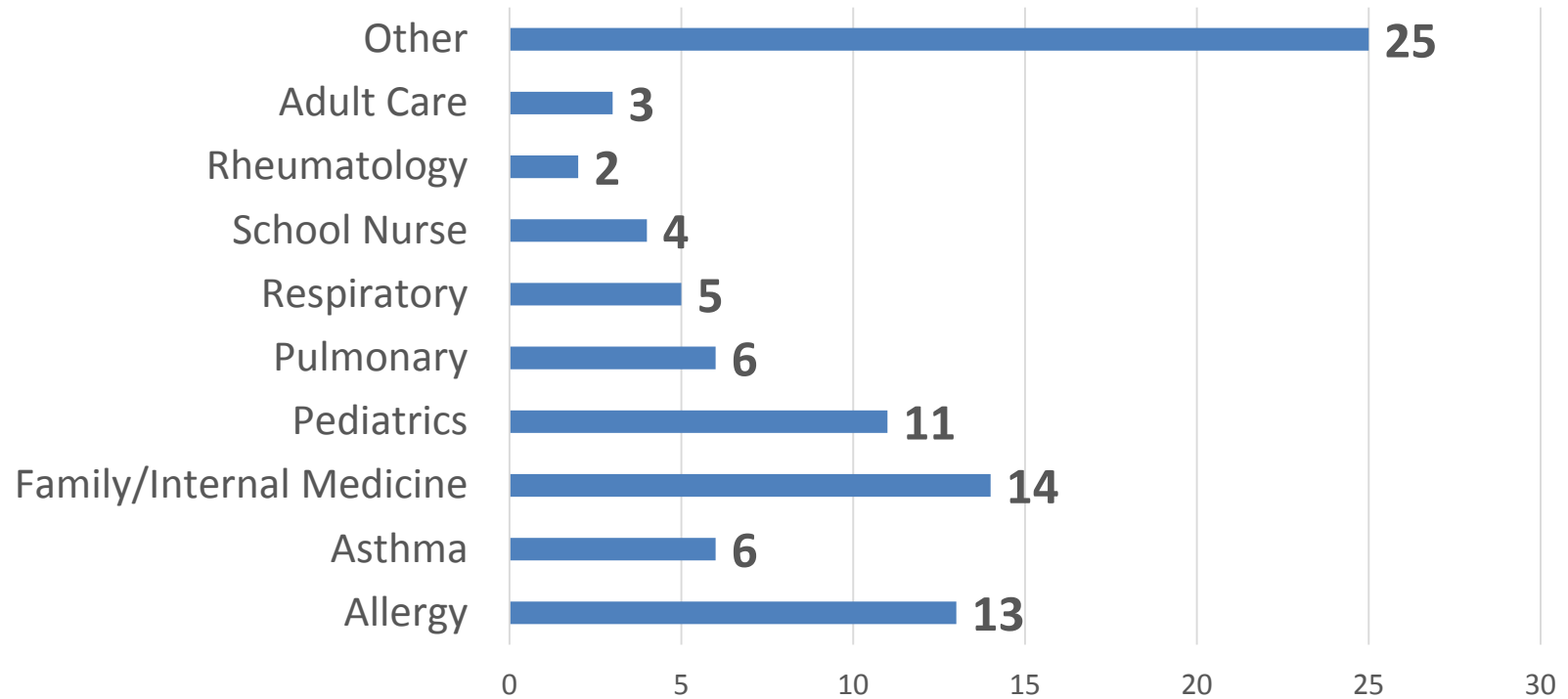
Other: BA, BS, CHW, CPFT, CPO

20% of total program attendees were prescribers

Level 1 Outcomes: Participation

N=89

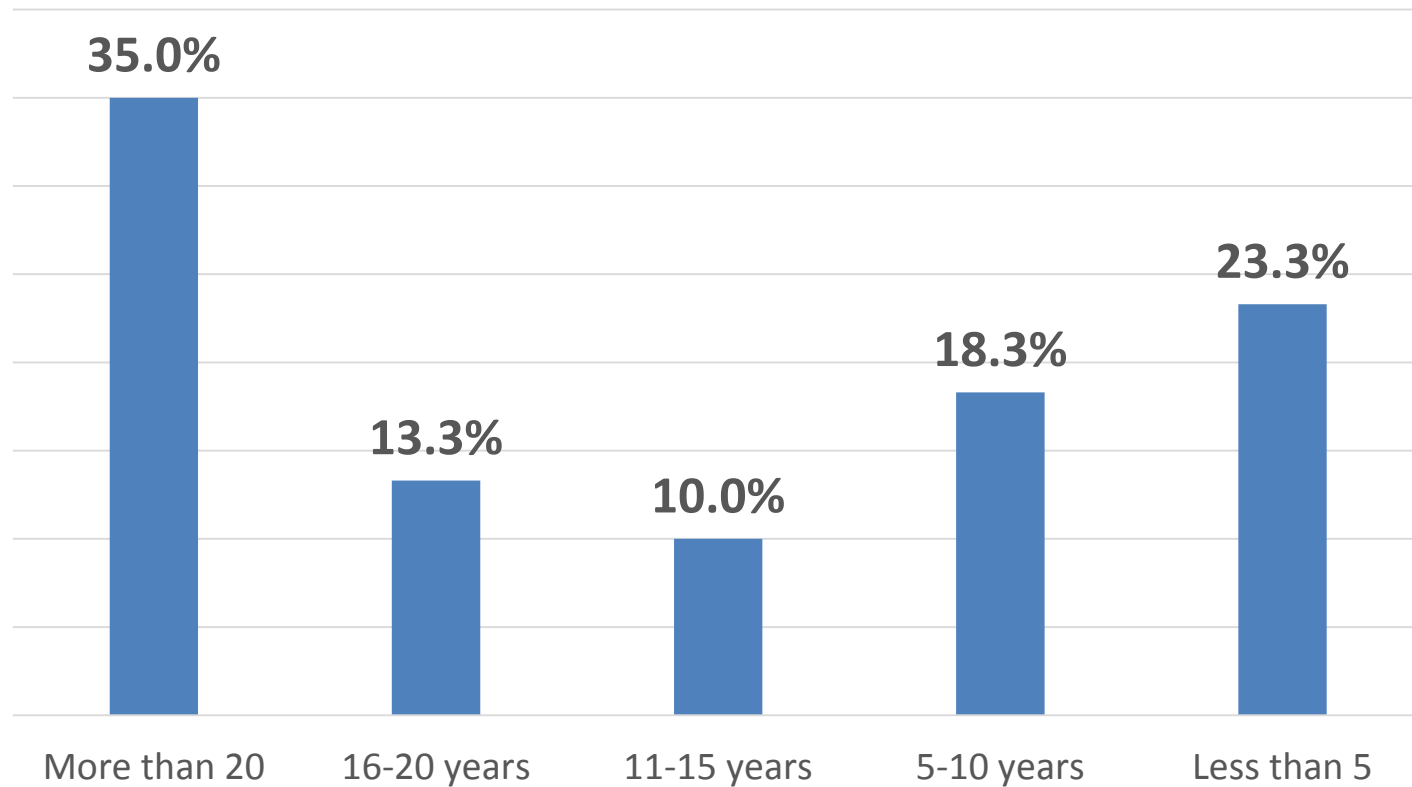
Specialty Breakdown



Other Specialties include: Cardiology, Community Health, COPD, Geriatric, Health Specialist, Nursing, Otolaryngology, Research and Surgery.

Level 1 Outcomes: Participation

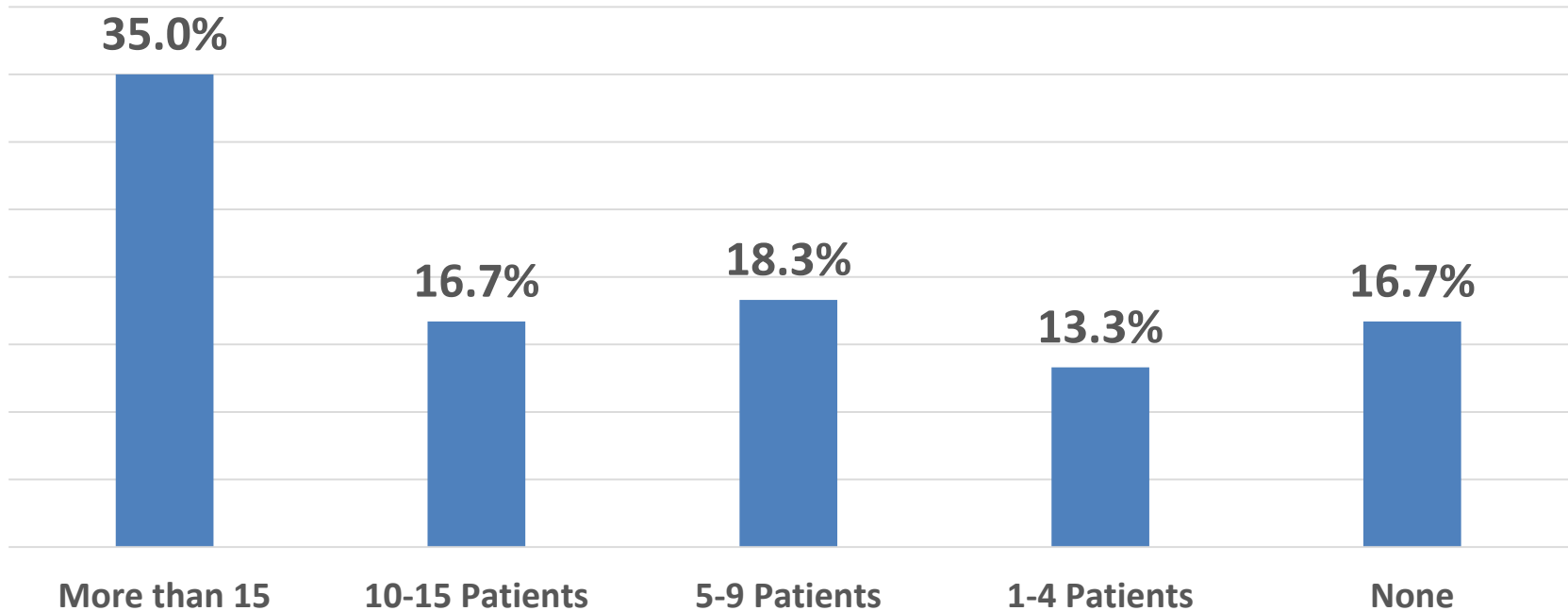
How many years have you been in practice?



N=60

Level 1 Outcomes: Participation

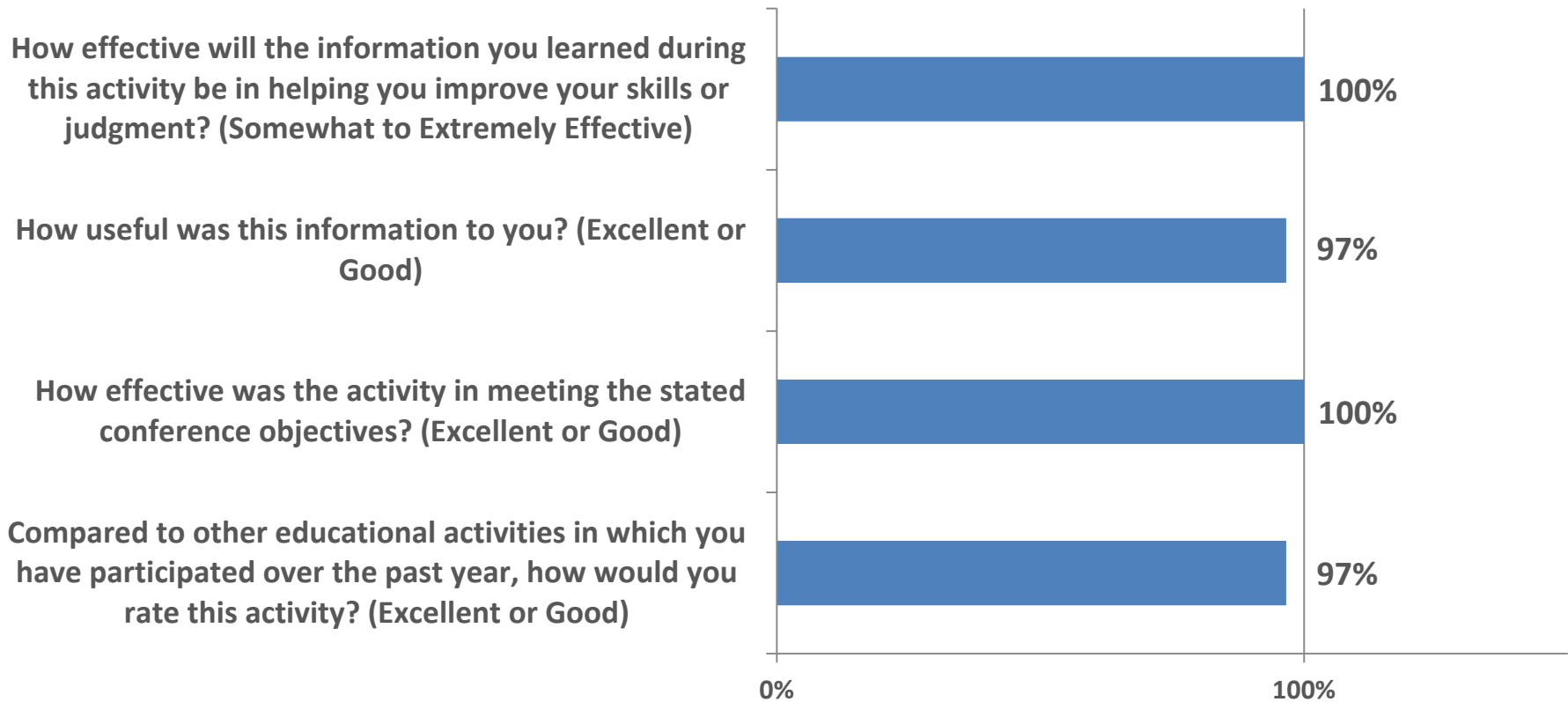
What is the average number of patients you see per week with conditions discussed in this activity?



N=60

Level 2 and 3 Outcomes: Satisfaction and Learning

Analysis of Participants' Responses Related to Educational Needs

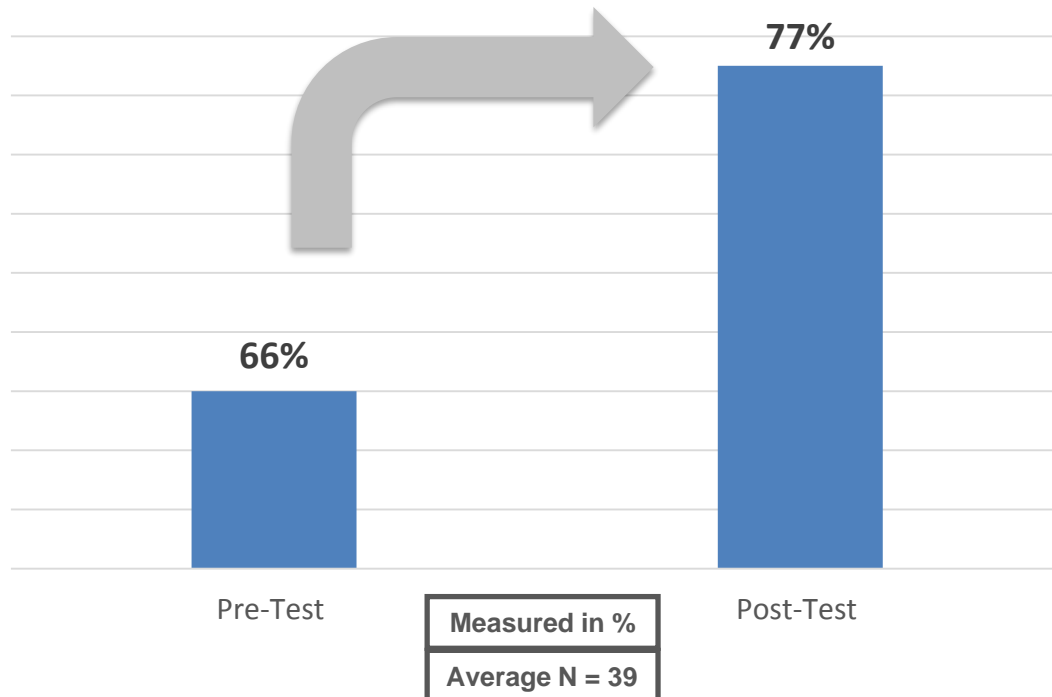


N=60

Level 3 and 4 Outcomes: Learning (Knowledge and Competence)

Level 3 and 4 outcomes were measured by comparing participants' pre- and post-test answers. The attendees' responses to these questions demonstrated that **participants gained knowledge as a result of the activity.**

Overall, participants demonstrated an average **17% increase in declarative and procedural knowledge and competence** as a result of this activity.



Overall increase in knowledge:
17% from baseline to post-test.

Knowledge gain was marked by an increase in correct responses from pre- to post-activity.

Pre/Post Test Comparison:

Question example addressing COPD learning objective 1

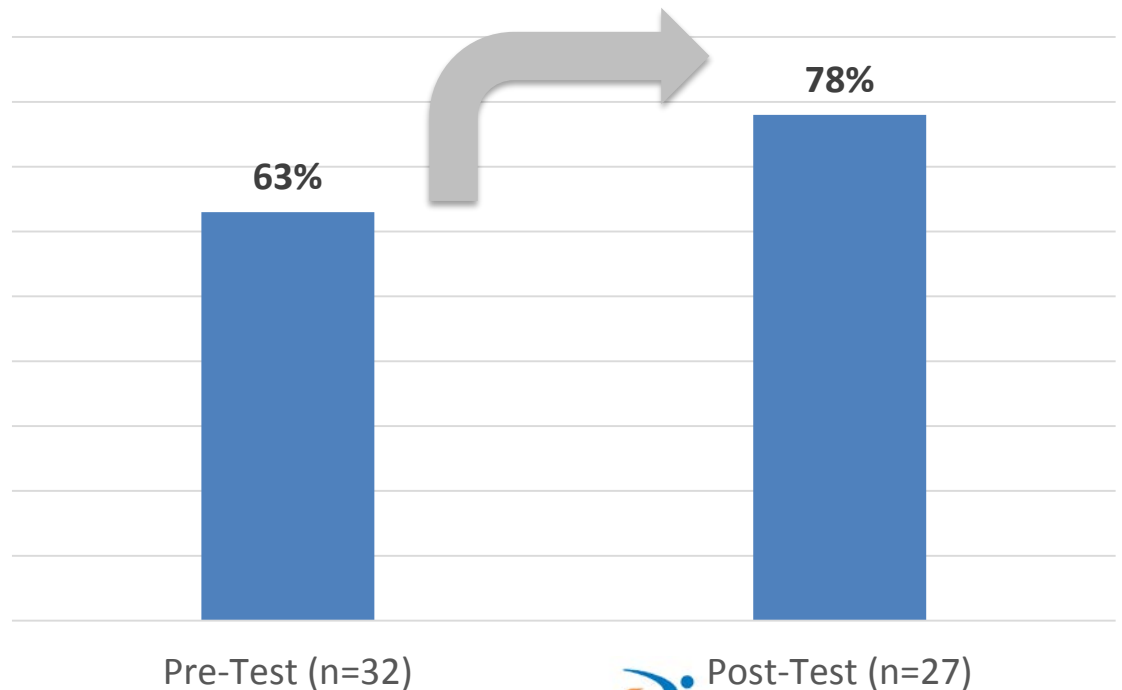
Question: A 63 year old woman has severe (Stage III) COPD that has been stable for 6 months. She has no other medical problems. You review her medication list. Which of the following medications would you NOT expect to see on her list of regular, daily medications?

Answer Choices:

- A. Short-acting bronchodilator
- B. Long-acting bronchodilator
- C. Inhaled Corticosteroid
- D. Oral glucocorticoid***

***Best Answer: Oral glucocorticoid (D)**

Increase in knowledge: **24%** from baseline to post-test.



Pre/Post Test Comparison: Question example addressing COPD learning objective 1

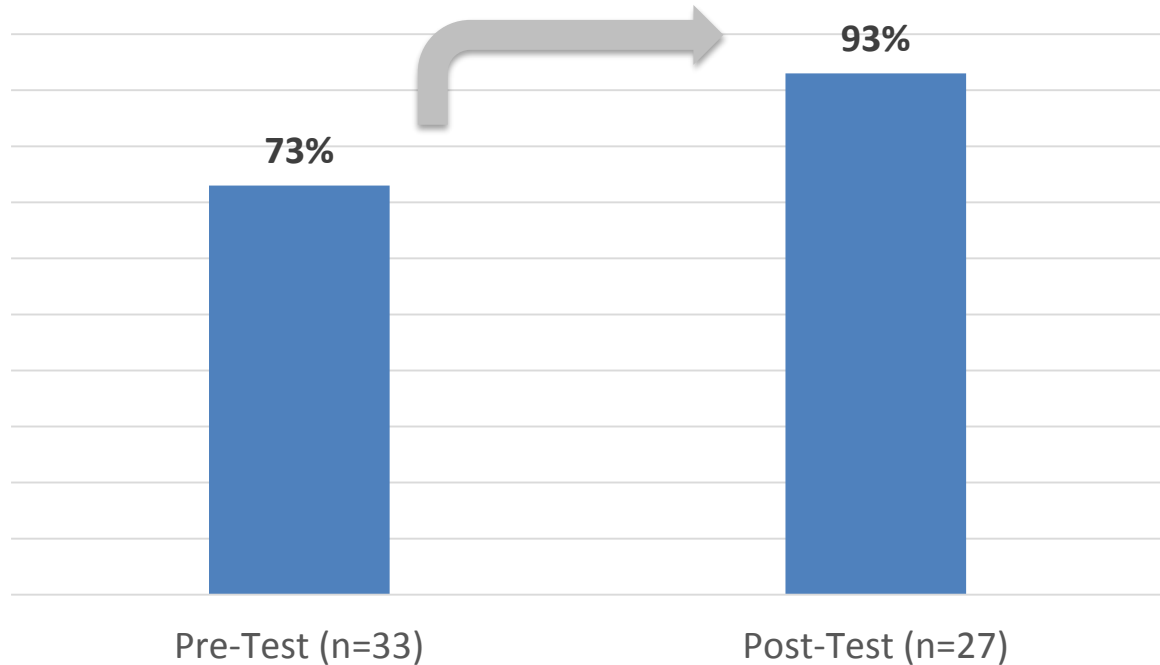
Question: An inhaled glucocorticosteroid combined with a long-acting B2-agonist is more effective in treating COPD than either a glucocorticosteroid or long-acting B2-agonist alone.

Answer Choices:

- A. True
- B. False

***Best Answer: A**

Increase in
knowledge: **27%**
increase from baseline
to post-test.

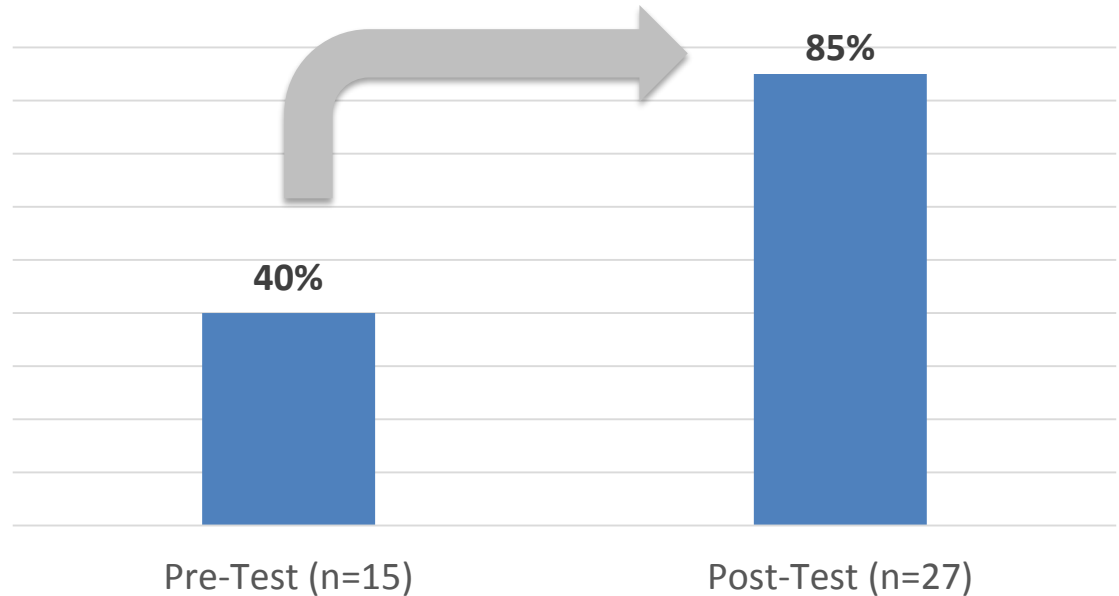


Pre/Post Test Comparison: Question example addressing asthma learning objective 5

Question: What is the first step in implementing an evidence-based quality asthma care program?

Answer Choices:

- A. Establishing asthma friendly policies
- B. Training school personnel about asthma
- C. Providing asthma education to students with asthma
- D. Identifying students with asthma on an annual basis***



***Best Answer:
Identifying students
with asthma on an
annual basis (D)**

Increase in
knowledge: **112.5%**
from baseline to
post-test.

Evaluation Results

87% of participants that completed the evaluation survey report they are **likely to make changes in their practice** based on the information presented during this educational activity.

Extremely Likely	Somewhat Likely	Not at all Likely	N/A (I don't see patients)
51.7%	35%	1.7%	11.7%

N=60

Evaluation Results

The attendees' (n=60) responses to evaluation questions demonstrated the following:

- **87%** of participants stated that they are extremely or somewhat likely to **make a change to their practice** based on the information presented.
- **100%** of participants reported that the educational content of the activity **met the learning objectives.**
- **100%** indicated that the content was **evidence-based and clinically relevant.**
- **97%** indicated that the content was **presented in an objective way and free of commercial bias.**

Key Learning Points

What is the most important take-away for you from this activity?

- The determination of whether a student's asthma is in control or not
- Overall increased knowledge in the topics I attended
- How to have a good asthma care program and how to deal with food allergies
- Biologics in asthma
- Asthma categorization
- COPD treatment
- Improved patient care

Educational Needs

Learner responses to evaluation questions indicated further education would be beneficial in the following areas:

- Spirometry Course
- Allergies
- Eosinophilic Esophagitis
- Pediatric Asthma
- Adult Asthma
- Nontuberculous Mycobacteria
- Oxygen use
- Teaching/tools for asthmatics

Attendee Comments

“I just wanted to congratulate the team on a great conference! I believe you found some of the best speakers that National Jewish has to offer. It was not only very informative, but equally entertaining!” – Jennifer Underwood (Independent Research Coordinator in COPD for last 8 years)

- “Great conference I wish I could have seen every lecture.”
- “I thought the speakers were excellent!”
- “Always a great conference.”
- “Was great thank you!”
- “All of the information was very informative and will be used in my daily routine.”

Summary

Based on the educational content delivered at the 21st Annual Regional Allied Health Conference, participants report that the activity will not only help **improve their skills or judgment** but that they **intend to change their practice** as a result of this educational activity. Based on feedback from the meeting, the planning committee will consider incorporating additional sessions in the 2017 program on areas such as adult and pediatric asthma; teaching and tools for asthmatics; and spirometry.

The 21st Annual Regional Allied Health Conference fulfills **National Quality Strategy Priorities** in making **patient care safer; improving coordination of care;** and **providing patient and caregiver engagement** in the treatment and management of disease states like COPD and asthma.

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