

Final Outcomes Summary  
Data from 8/28/20 -8/28/21  
Genentech G-86076



# Longitudinal Management of Chronic Rhinosinusitis with Nasal Polyps

# Program Overview

The goal of this online educational activity is to improve clinicians' knowledge and competence within the educational gaps of diagnosis, longitudinal management and treatment of chronic rhinosinusitis with nasal polyps (CRSwNP).

This chapterized online activity is designed to optimize learner retention through microlearning strategies; four chapters, 15 minutes in length, offer learners privileged insights into the experiences of leading experts in easily accessible and organized segments. Each chapter highlights the unique experience and therapeutic knowledge of the expert faculty presenters, allowing the learner to consume multiple chapters at their convenience from one landing page.

## Learning Objectives

1. Explain the characteristics of nasal polyps and key concepts relative to the pathophysiology and immunology of CRSwNP.
2. Describe best practices for diagnosis and comprehensive assessment of CRSwNP.
3. Analyze strategies for longitudinal management of CRSwNP.
4. Select treatments based on individual patient factors and recent clinical studies regarding current and emerging treatment options for CRSwNP.

# Faculty Members

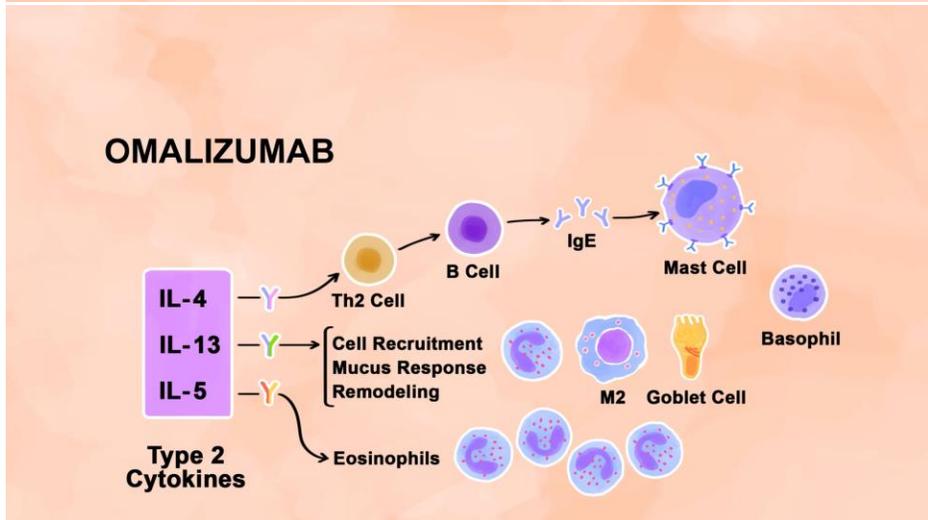
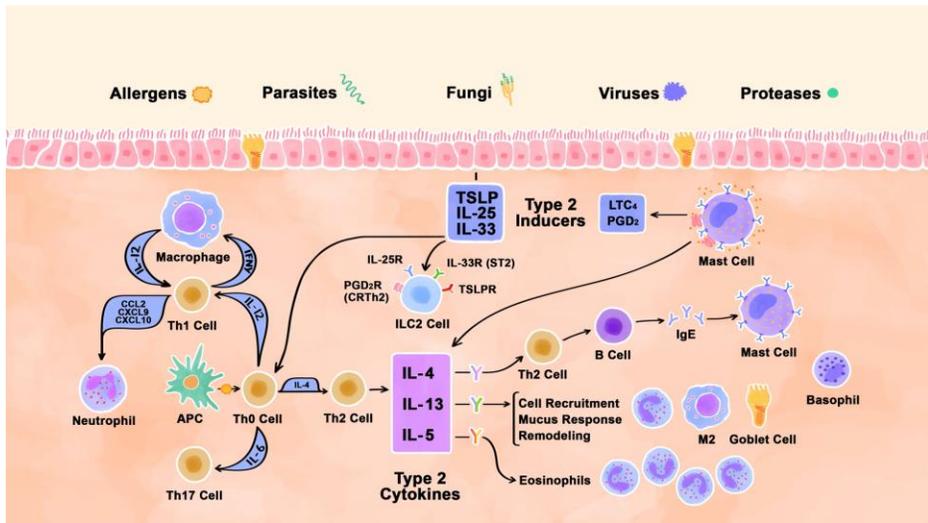


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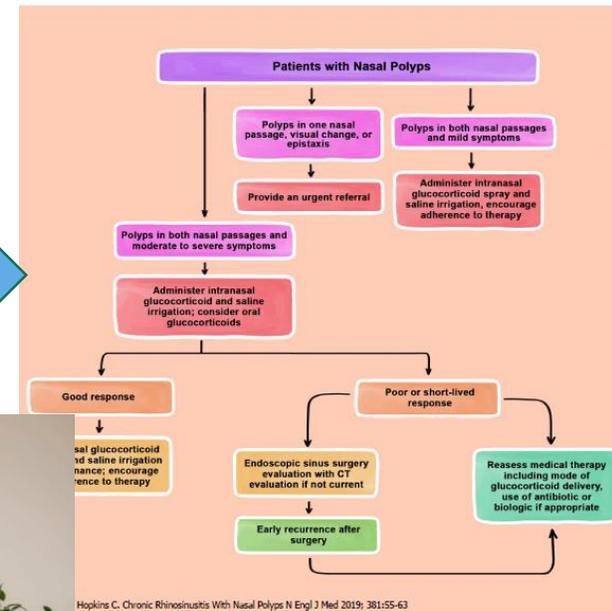
# Program Features



Animation clips

Clinical Reference Aid

## Management of Chronic Rhinosinusitis with Nasal Polyps



Living with Chronic Rhinosinusitis with Nasal Polyposis

National Jewish Health

Patient Journey Narrative Video

National Jewish Health

# Learner Definitions – Online Activity

**Launched on Medscape: August 28, 2020**

<https://www.medscape.org/viewarticle/935692>

Platform	Learner Definition	Learner Guarantees	Learner Actuals
Medscape	Progressed past front-matter (unique)	3,000	<b>5,977</b>
Platform	Completer Definition	Completer Guarantees	Completer Actuals
Medscape	Completed post-test	400	<b>2,462</b>
Platform	Certificate Earner Definition	Certificate Guarantee	Certificate Actuals
Medscape	Completed post-test and evaluation	N/A	<b>1,530</b>

**Surpassed learner guarantees by 2,977 and completers by 2,062!**

Medscape Thursday, January 14, 2021

NEWS & PERSPECTIVE DRUGS & DISEASES CME & EDUCATION ACADEMY VIDEO

CME  
**Longitudinal Management of Chronic Rhinosinusitis With Nasal Polyps**

Authors: Flavia Cecilia Lega Hoyte, MD (Activity Co-chair); Anne Getz, MD (Activity Co-chair) Faculty and Disclosures

CME Released: 8/28/2020 Valid for credit through: 8/28/2021

Please answer the questions that appear during the activity: Choose an answer, scroll down, and click "Submit." See responses, scroll down, and click "Continue."

Supported by an independent educational grant from  
**Genentech**  
 a member of the Roche Group



CME Information

Download Slides

Activity Transcript

PDF Downloads

Resource



**IN THIS PRESENTATION**

- Burden of Disease, Pathophysiology and Immunology 16:36
- Diagnosis and Comprehensive Assessment 14:46
- Longitudinal Management 16:01
- Personalized Treatment Plan 15:38

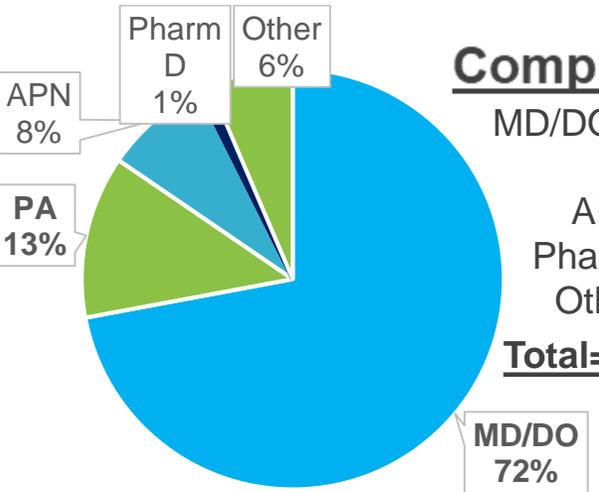
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# Educational Impact Summary

## Participation by Completers

### Completers

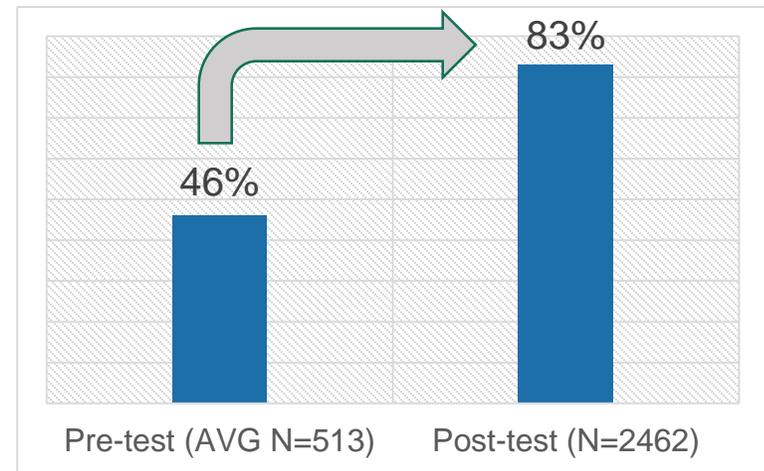
MD/DO=1,774  
 PA=308  
 APN=199  
 PharmD=23  
 Other=158  
**Total=2462\***



**93%** of completers were **MD/DO, APN & PA**

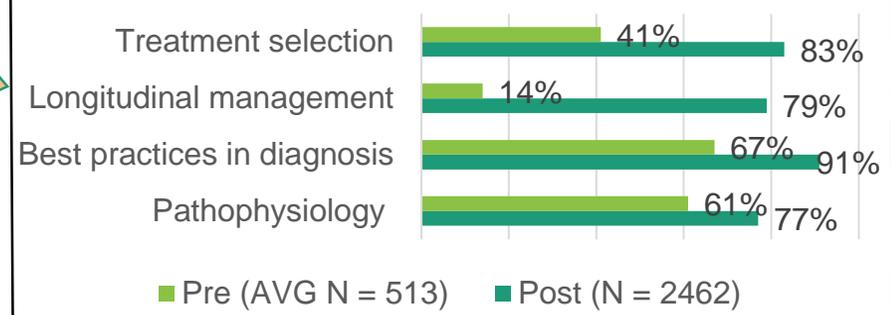
Potential impact to **750,672** Patient visits this year

## Overall Knowledge Gain



**80%** relative gain in knowledge  
**37%** absolute gain in knowledge

### Knowledge gains by objective



## Top Intended Practice Changes

**89%** of evaluation respondents (N=2070) reported intended changes to practice:

- ✓ Consider biologic therapy
- ✓ Apply guidelines for improved longitudinal management of CRSwNP
- ✓ Better educate patients about chronic rhinosinusitis
- ✓ Improve diagnostic approach

**92%**  
 N=2070  
 Evaluation respondents intend to use the resources provided in practice

*“The organization of this activity was superb. Please make more activities similarly.”*

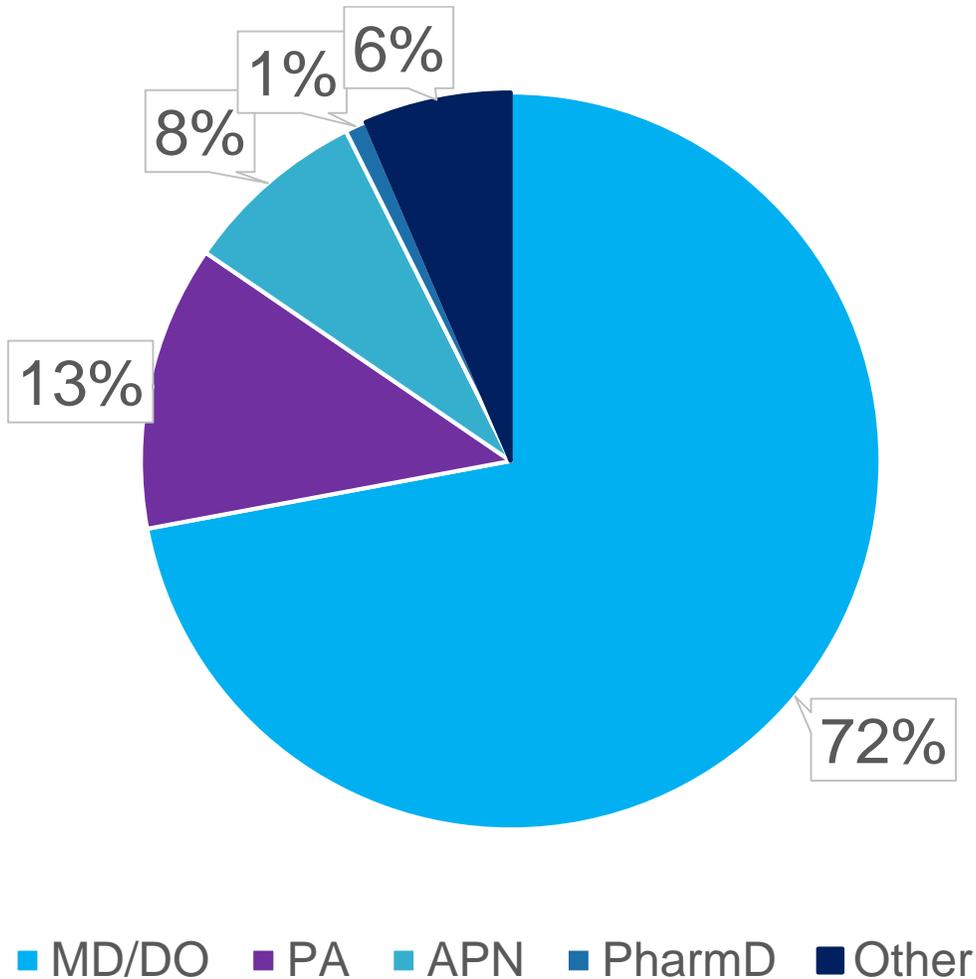
*“Excellent presentation; others need to learn from this.”*  
 - Online learners

\*Medscape provides designation breakdown for completers only

# Educational Impact Summary

Evaluation Respondents	Educational Impact
<p><b>2,070</b> Evaluation respondents</p>	<p>Knowledge regarding longitudinal management strategies increased by <b>464%</b> from pre to post-activity [N=2462]</p>
<p>Who see <b>14,436</b> CRSwNP patients Weekly</p>	<p><b>95%</b> of evaluation respondents indicated that the information presented reinforced and/or improved their current skills. [N=2070]</p>
<p>Which translates to <b>750,672</b> potential patient visits annually</p>	<p><b>96%</b> of evaluation respondents indicated that the activity contributed valuable information that will assist in improving quality of care for patients. [N=2070]</p>
	<p><b>89%</b> of evaluation respondents indicated they intend to make changes to their practice based on the education, in the areas of improving patient screening, appropriate management and referral, use of biologic therapies, and patient education. [N=2070]</p>
	<p><b>60%</b> of evaluation respondents indicated the education addressed strategies for overcoming barriers to optimal patient care, including access to treatment or clinical trials, cost of therapy, lack of training, patient adherence, patient knowledge, and staffing. [N=621]</p>

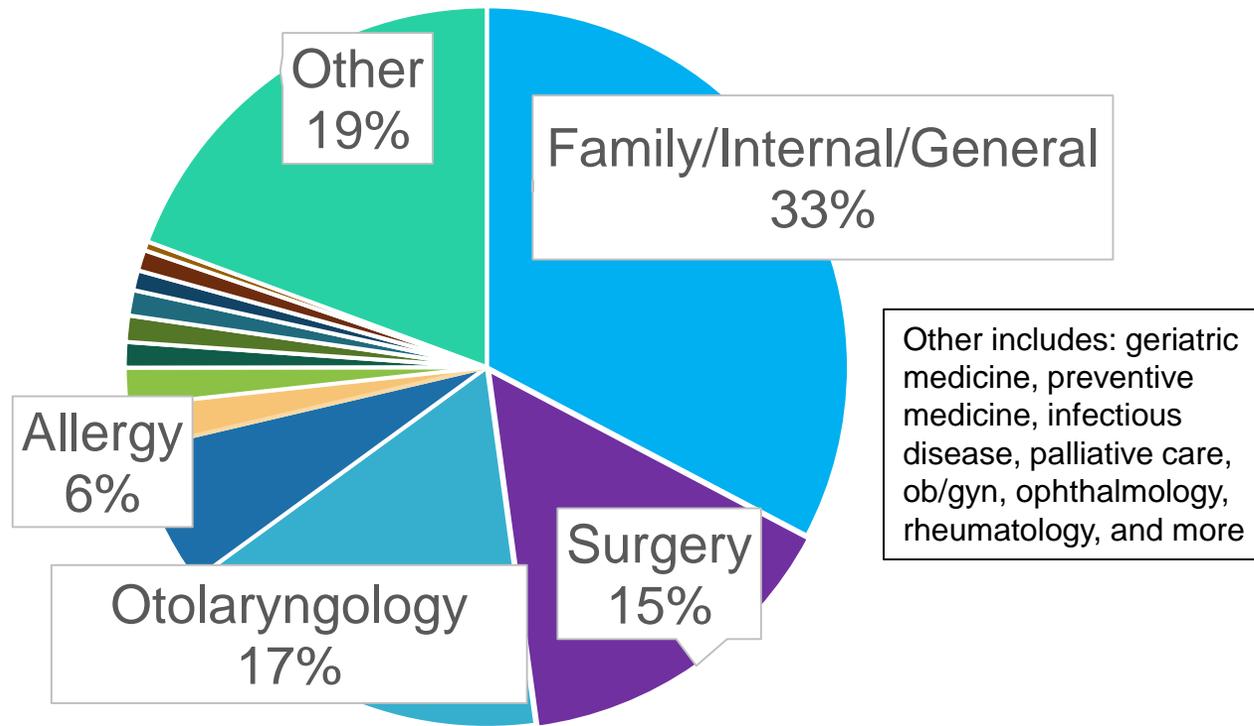
# Level 1 Outcomes: Participation (Degree) - Completers



**93%**  
of completers  
were physicians and  
advanced practice  
providers

Degree	Total
MD/DO	1774
PA	308
APN	199
PharmD	23
Other	158
<b>TOTAL</b>	<b>2462</b>

# Level 1 Outcomes: Participation (Specialty) - Completers



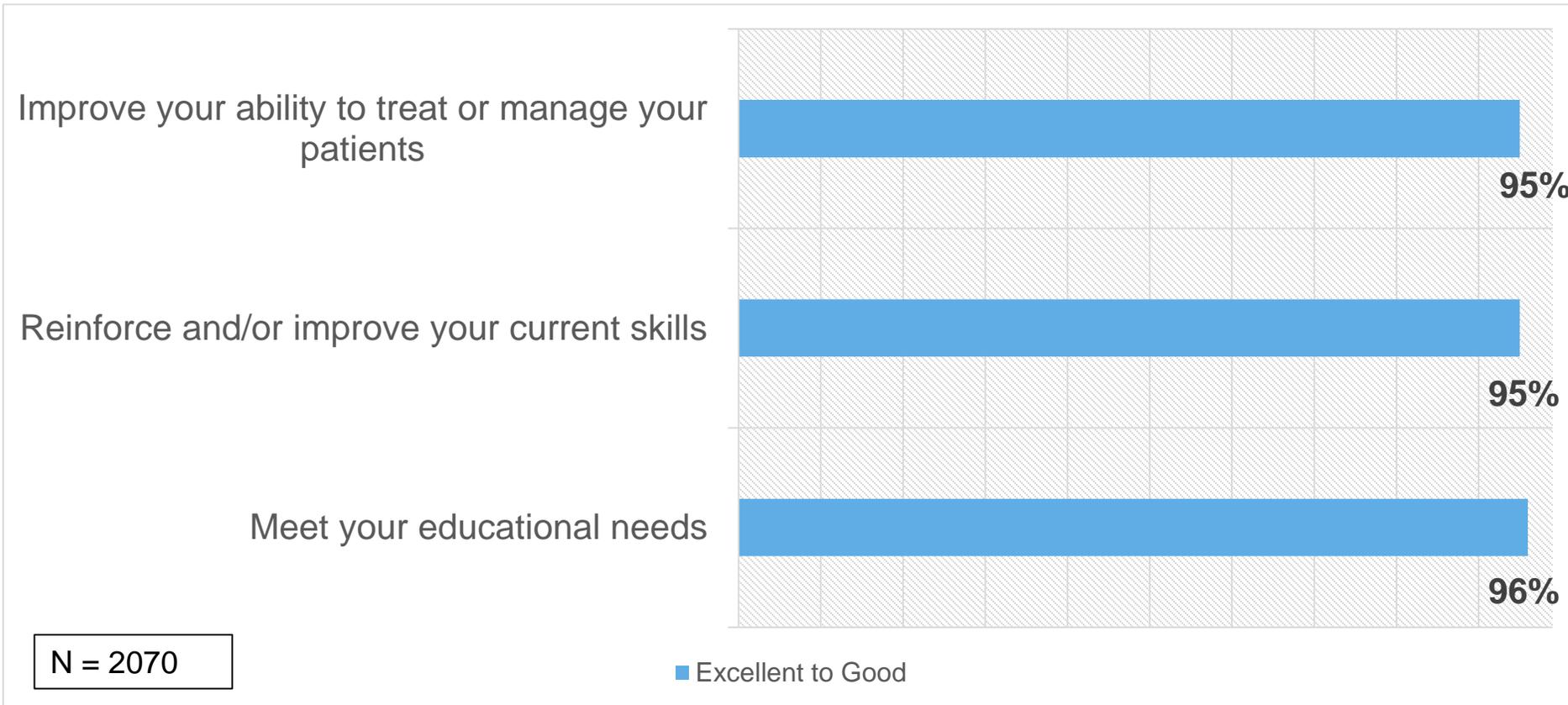
**1-2% for each of these specialties:**

Pediatrics, Emergency, Dermatology, Anesthesiology, Cardiology, Radiology, Critical Care and Pulmonary Medicine

Specialty	Total
Family/Internal/General	806
Surgery	372
Otolaryngology	421
Allergy	157
Pediatrics	48
Emergency	42
Dermatology	28
Anesthesiology	29
Cardiology	28
Radiology	22
Critical Care/Hospital	23
Pulmonary	10
Other	476
<b>Total</b>	<b>2462</b>

# Level 2 Outcomes: Satisfaction

*Analysis of participants' responses related to educational needs*  
*How well did the activity:*

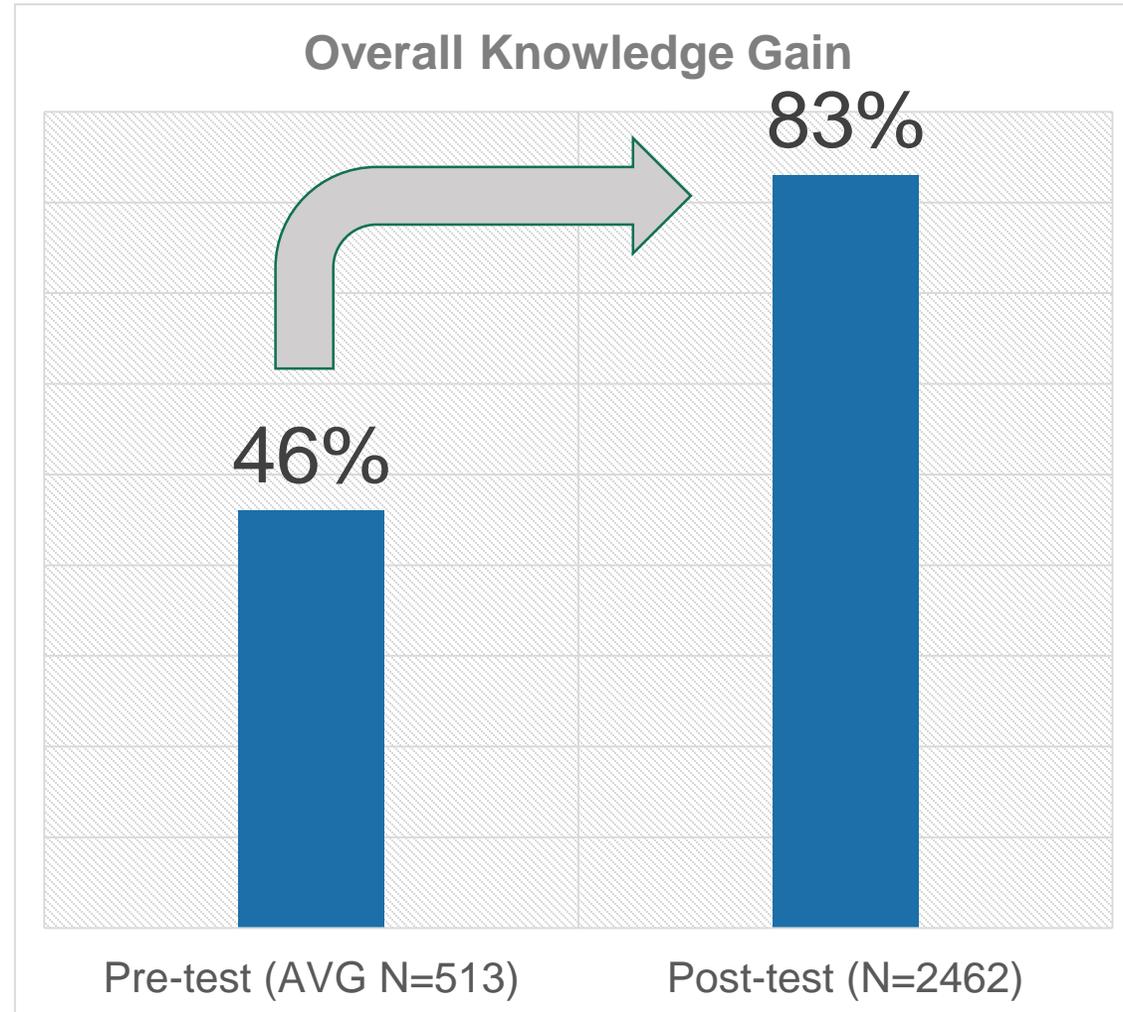


Learners reported high levels of satisfaction related to the ability of the activity to impact practical applications

# Level 3 Outcomes: Overall Knowledge

80% Relative Knowledge Gain

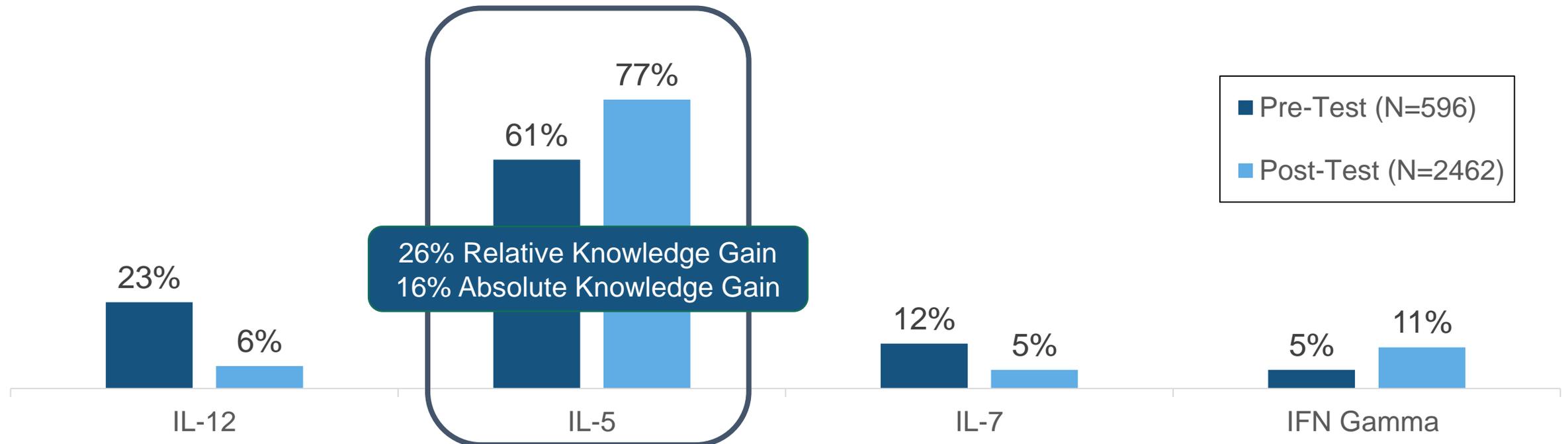
37% Absolute Knowledge Gain



# Level 3&4 Outcomes: Knowledge & Competence (Q1)

**Learning Objective:** Explain the characteristics of nasal polyps and key concepts relative to the pathophysiology and immunology of CRSwNP.

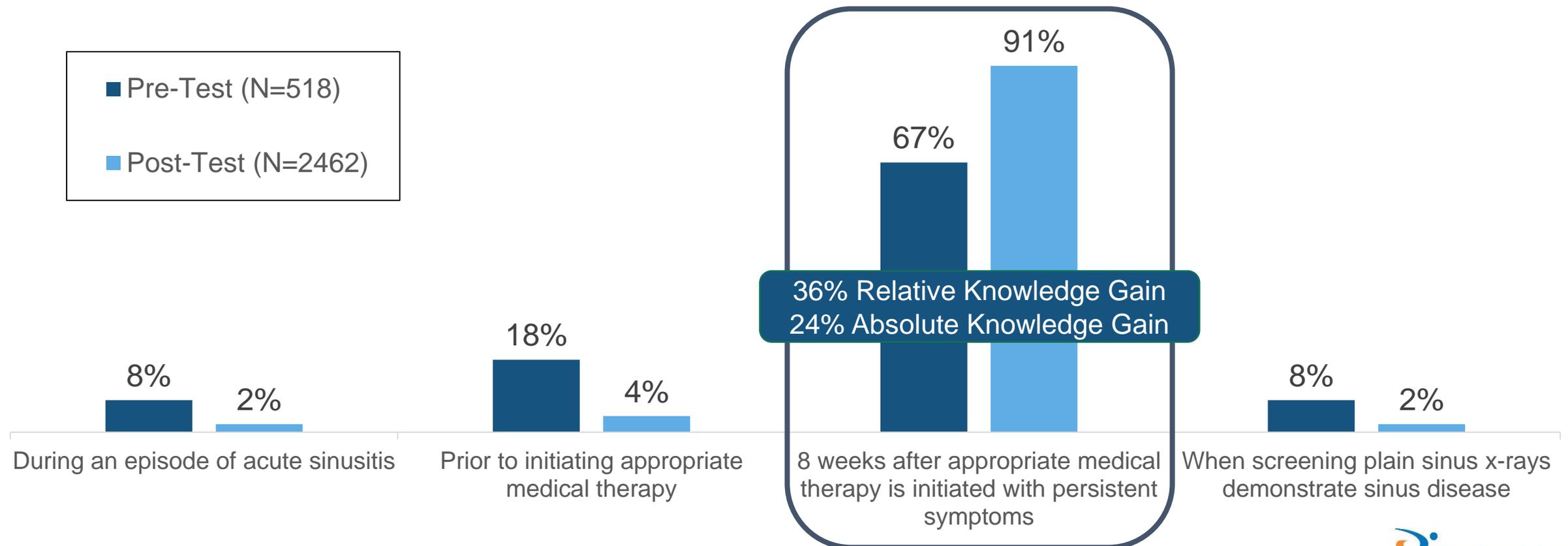
**Question 1:** Which of the following cytokines are characteristic of the type 2 inflammation seen in the majority of patients with chronic rhinosinusitis with nasal polyps in the United States?



# Level 3&4 Outcomes: Knowledge & Competence (Q2)

**Learning Objective:** Describe best practices for diagnosis and comprehensive assessment of CRSwNP.

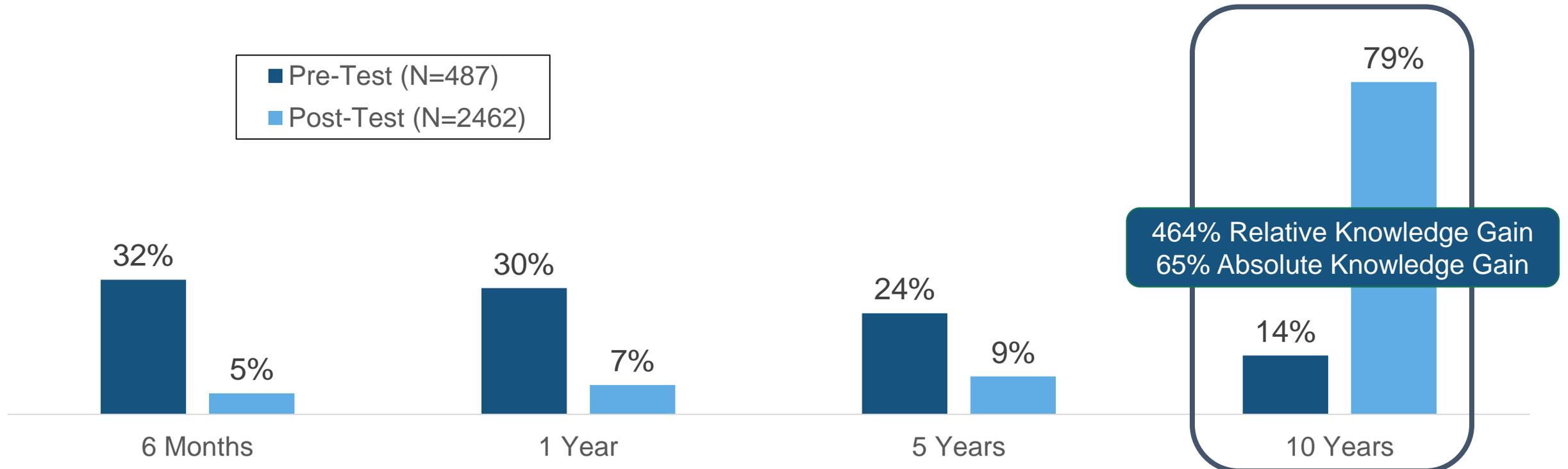
**Question 2:** The ideal time to obtain CT imaging in the work-up of CRSwNP is:



# Level 3&4 Outcomes: Knowledge & Competence (Q3)

**Learning Objective:** Analyze strategies for longitudinal management of CRSwNP.

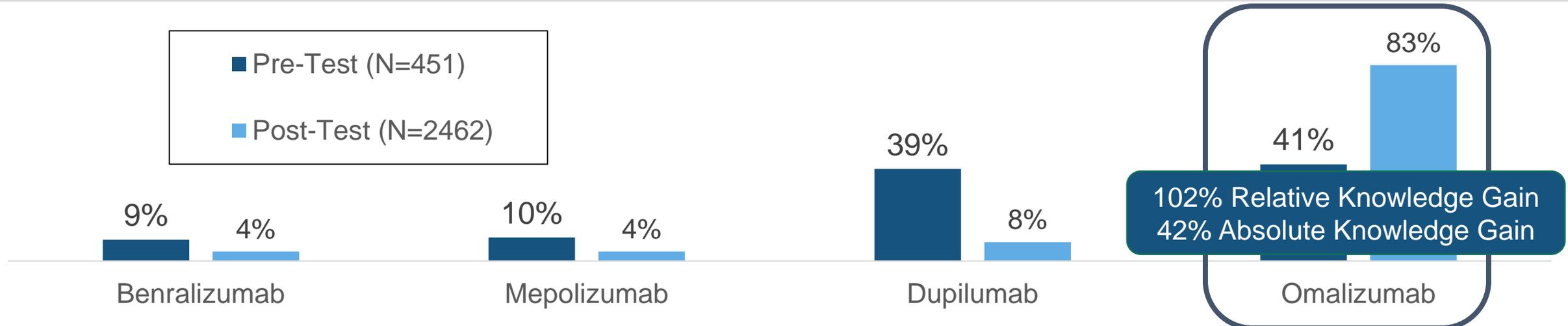
**Question 3:** The duration of quality of life improvement following surgery for CRSwNP has been shown to be clinically significant for up to:



# Level 3&4 Outcomes: Knowledge & Competence (Q4)

**Learning Objective:** Select treatments based on individual patient factors and recent clinical studies regarding current and emerging treatment options for CRSwNP.

**Question 4:** A 54-year old female with history of chronic idiopathic urticaria, moderate persistent atopic asthma, and chronic rhinosinusitis with nasal polyposis presents for follow up. She had sinus surgery 3 years ago with improvement in sinus symptoms, but progressive worsening over the past year. She is adherent to her steroid nasal irrigations twice daily, and co-morbidities have been addressed. Her eosinophil count is 300, and total IgE level is 300. Assuming that all of these biologics get approved by the FDA, which of the following would be most beneficial for this particular patient?



# Level 4 Outcomes: Competence

An analysis of open-ended comments demonstrates the following changes learners intend to make:

89%

N=2070

Evaluation respondents intend to make changes to practice as a result of the activity

Use biologic therapy when appropriate [N=181]

Apply new knowledge of CRSwNP to improve patient care and education [N=113]

Improve diagnostic workup [N=102]

Apply guidelines to improve longitudinal management of CRSwNP [N=84]

Refer to a specialist when needed [N=39]

# Program Evaluation Results



N=632

98%

- Material presented in an objective manner and free of commercial bias

97%

- Content presented was evidence-based and clinically relevant

N=2069

# Program Evaluation Results

## Barriers Encountered in Practice:

- Access to care and cost
- Access to equipment
- Access to treatment or clinical trials
- Conflicting evidence
- Cost of therapy
- Lack of training
- Medication use/biologic therapies
- Patient adherence
- Patient knowledge
- Staffing

# 60%

N=621

Evaluation respondents indicated the activity addressed strategies for overcoming barriers to optimal patient care

# Program Evaluation Results

What topics would you like more information about in future educational activities?	
Allergic Rhinitis	Current guidelines on common ENT cases
Asthma	Immunotherapy for nasal polyps
Biologic agents and usage	Surgical and non-surgical options for nasal polyps
Chronic pain management	New therapeutic agents
Chronic refractory cough	Infectious acute sinusitis
Chronic rhinitis without nasal polyps	Idiopathic angioedema
Communicable disease	Hypoparathyroidism
COVID-19	Polyposis
Corticosteroids	Evaluation of allergy
Fungal rhinosinusitis	Sinusitis
Eczema	Urticaria management

# Accreditation

NJH is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The NJH Office of Professional Education produced and accredited this program and adhered to the updated ACCME guidelines.

NJH designates this enduring material for a maximum of 1.0 *AMA PRA Category 1 Credit*<sup>™</sup>.

