

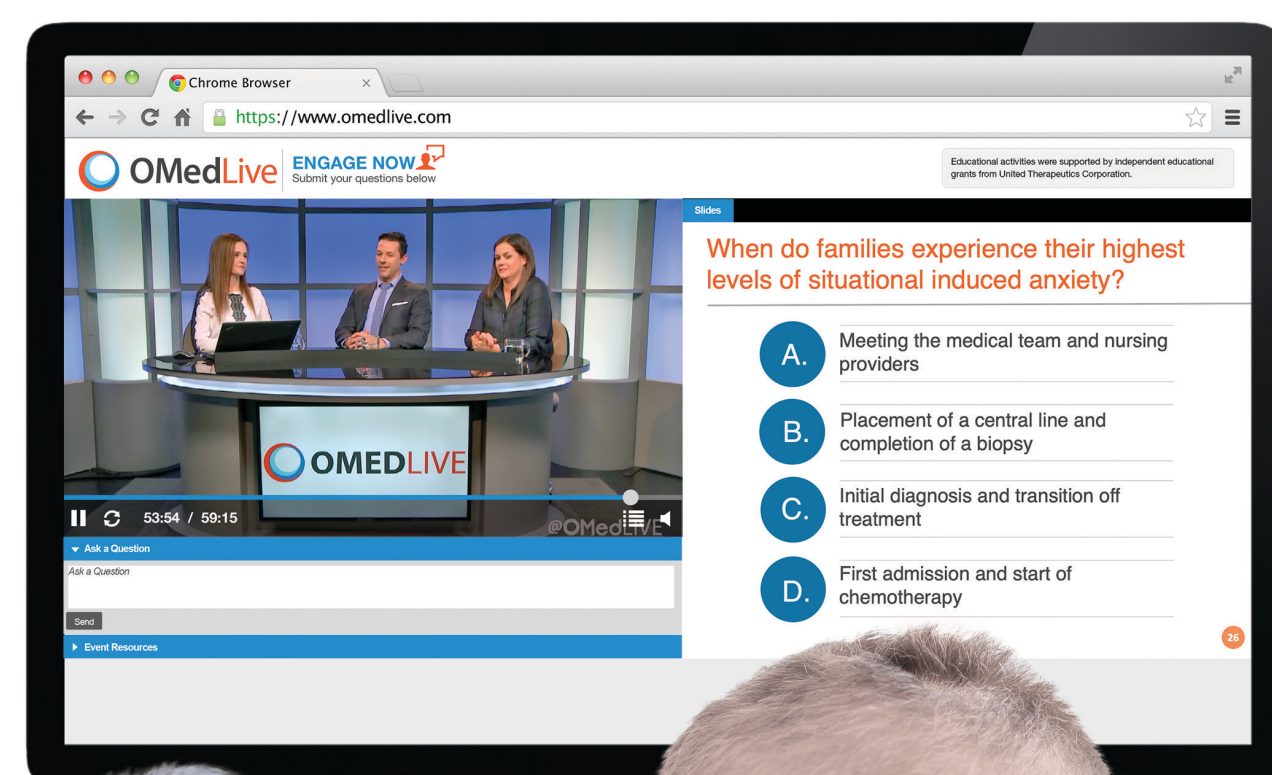
Learning Outcomes on Nursing Care for Pediatric Patients with High-Risk Neuroblastoma

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INTRODUCTION

Nursing care for patients and their families affected by pediatric neuroblastoma involves the development of treatment plans, extensive patient/family education, and the responsibility of providing support and facilitating access to services to address their emotional, social, and financial needs. Continuing professional development enables nurses to remain current with their training, particularly as data and practices evolve over time.



Educational Program Details

Titles

- 2016**
Pediatric Patients with High-Risk Neuroblastoma: Perspectives on Diagnosis and Management
- 2017**
Advances in Nursing Care for Pediatric Patients with High-Risk Neuroblastoma
- 2018**
Enhancing Supportive Care for Pediatric Patients with High-Risk Neuroblastoma: A Focus on Nursing Practice Strategies

Format

- Three video CME activities comprising 5 hours of educational programming were produced and broadcast live-online on OMedLive.com, and made available on-demand for 12 months following each session
- The activities featured downloadable educational slides, panel discussions, live polling, and live Q&A
- Learners encouraged to submit questions before and during the live programs

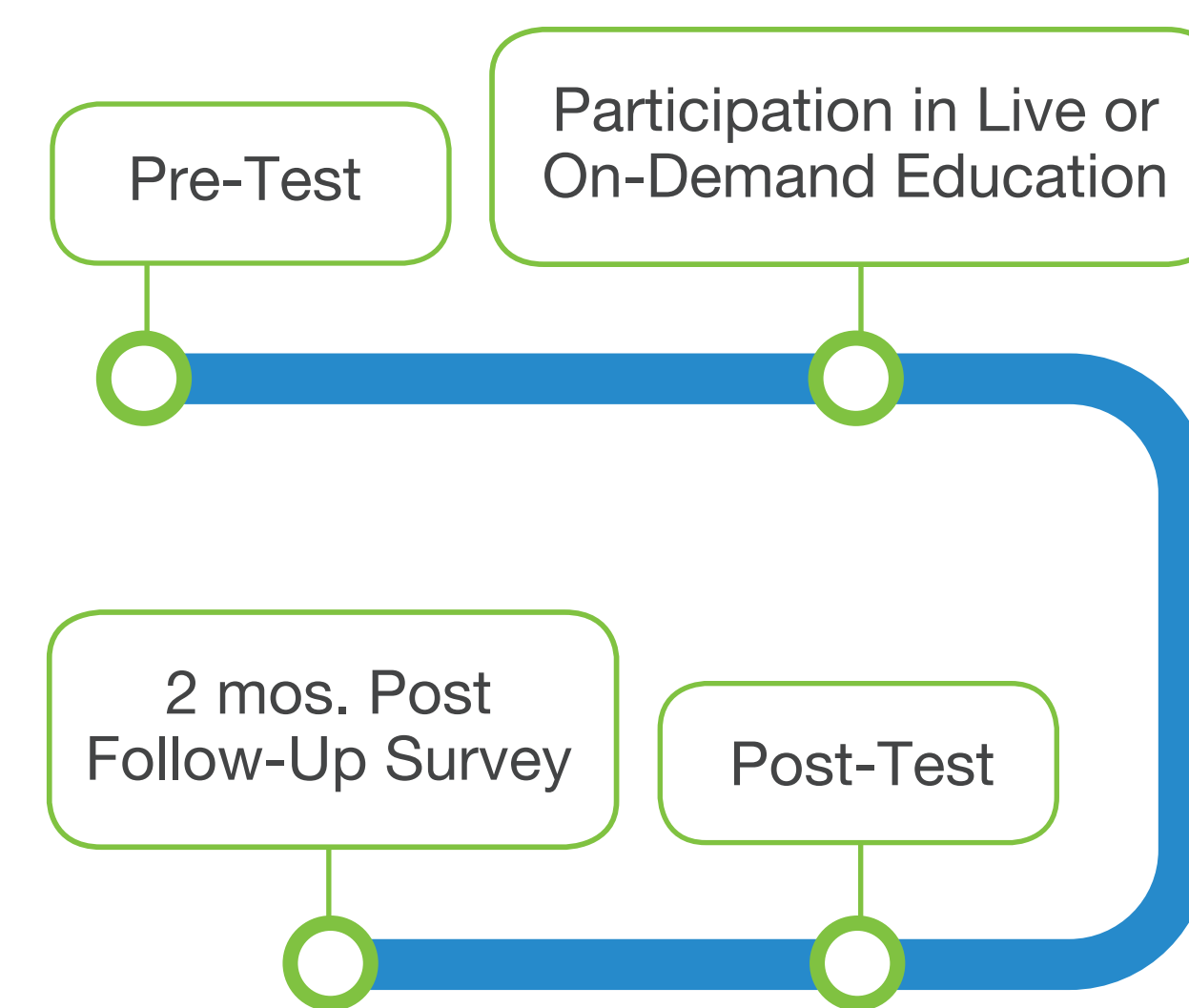
Key Learning Objectives (2016-18)

- Review the fundamentals of diagnosing, treating, and managing high-risk pediatric neuroblastoma; including chemotherapy, surgery, radiotherapy, and immunological treatments
- Examine strategies to improve supportive care and collaborative care for children with high-risk neuroblastoma
- Examine the aspects of parental decision-making regarding appropriate care for children with recurrent/refractory neuroblastoma
- Review methods to manage immediate and late effects associated with neuroblastoma treatments for pediatric patients
- Formulate effective communication strategies before, during, and after treatment that support pediatric patients with neuroblastoma and their family members

METHODS

Knowledge and competence-focused test questions were administered at 3 time points. Behavioral and confidence-focused questions regarding clinical practice changes were asked at 2 months post-activity. Data from these questions, live polling responses, and learner-submitted questions were analyzed to determine engagement, lessons learned and continuing clinician-education gaps.

Chronology of Assessment Phases



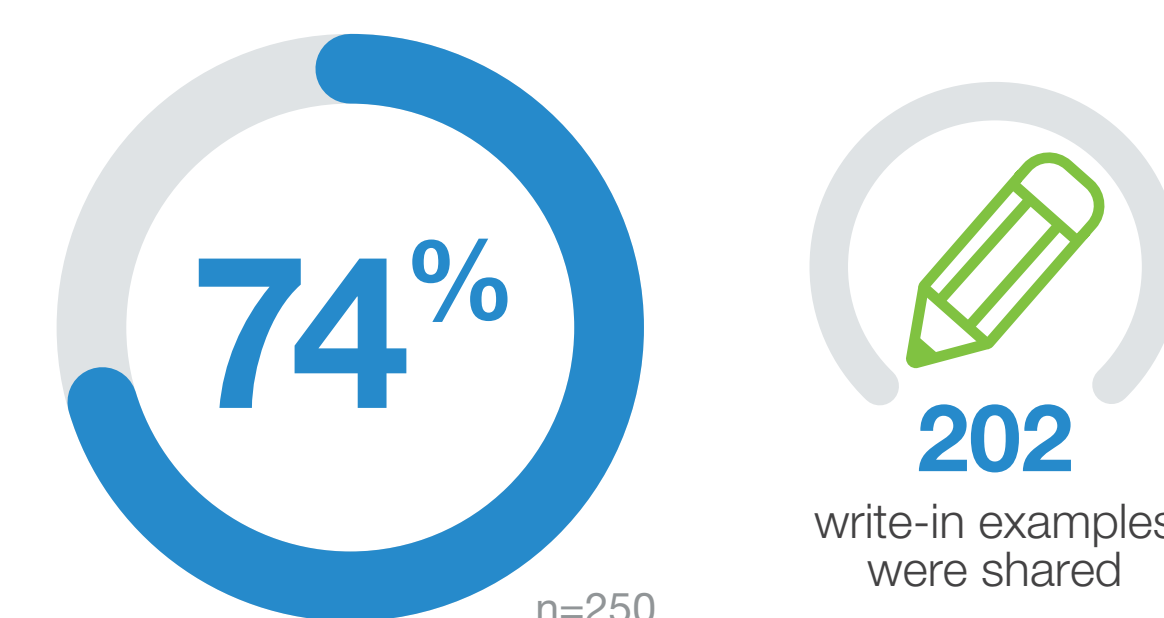
Learner Demographics



*Combined Target Audience: Oncology, Surgery, Nurses, Pharmacists, NP/PA, Social Work

RESULTS

Positive Impact on Clinical Practice



learners reported the activity positively impacted clinical practice

Theme: Knowledge/Confidence

I've gained a deeper understanding of the condition. I've also been reminded of how and what a patient goes through psychologically.

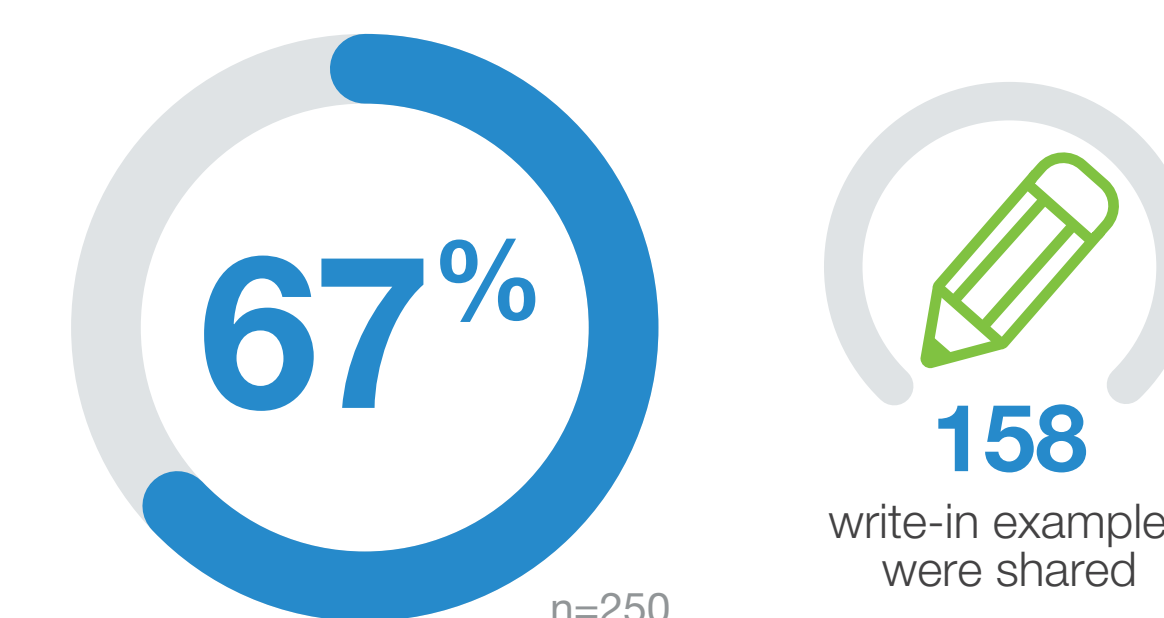
Now I can manage the pediatric neuroblastoma patients with more confidence.

Theme: Multidisciplinary Care

Assigned NP to address concerns at initial consultation after physician discussion to ensure understanding.

Have been more integrated with social team members as the condition impacts the whole family's life.

Positive Impact on Patient Outcomes



learners reported the activity positively impacted patient experience/outcomes

Theme: Patient Outcomes

Patient comfort has improved.

Immediate response to patient compliance and adherence to clinical trial studies.

Theme: Communication

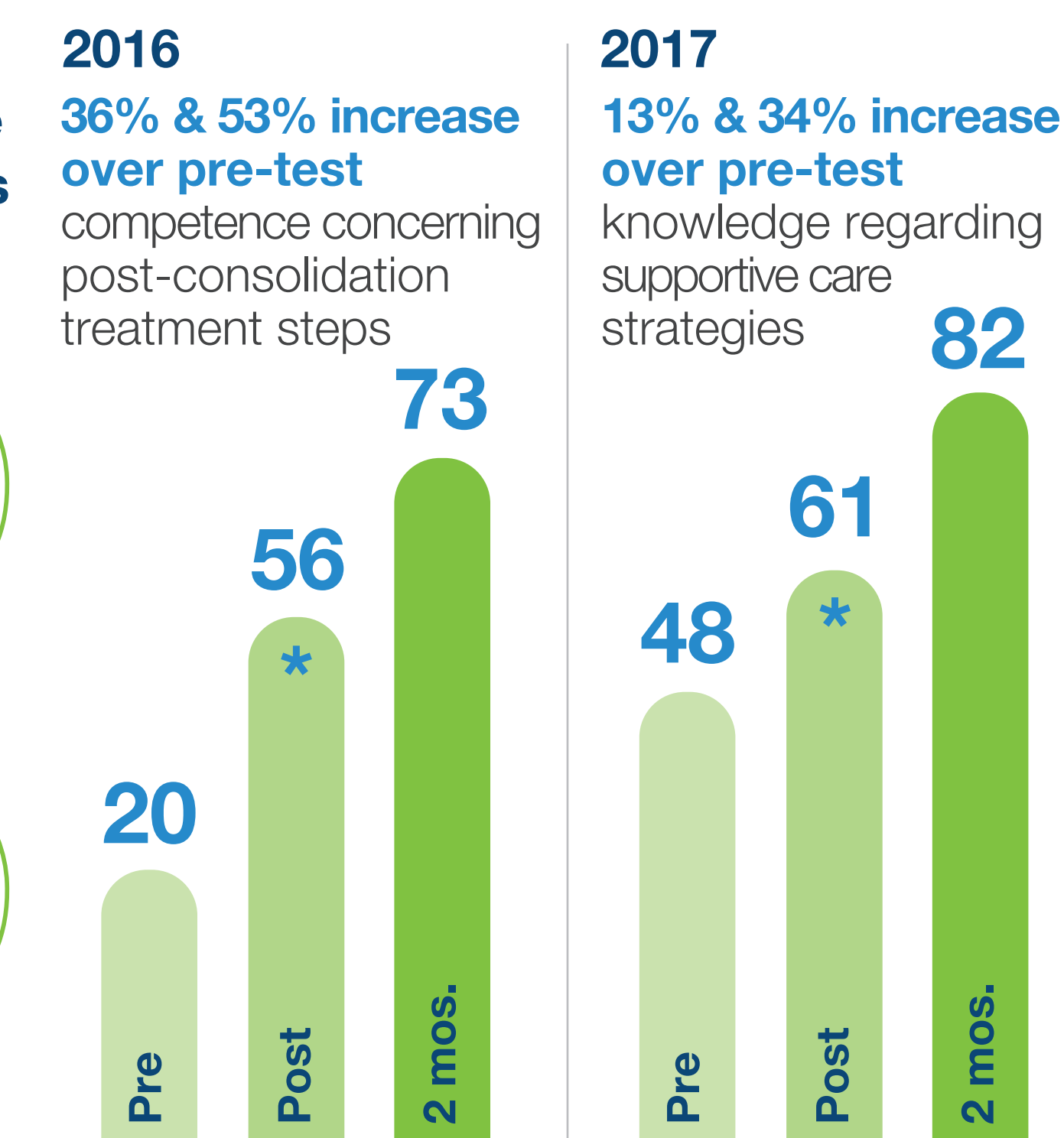
Positive impact on a certain family via sensitivity training addressed in CME.

Able to educate patients regarding what to expect with course.

Changes in Knowledge/Competence

Out of the 20 knowledge and competence questions asked prior to and following education, 15 showed statistically significant improvement.

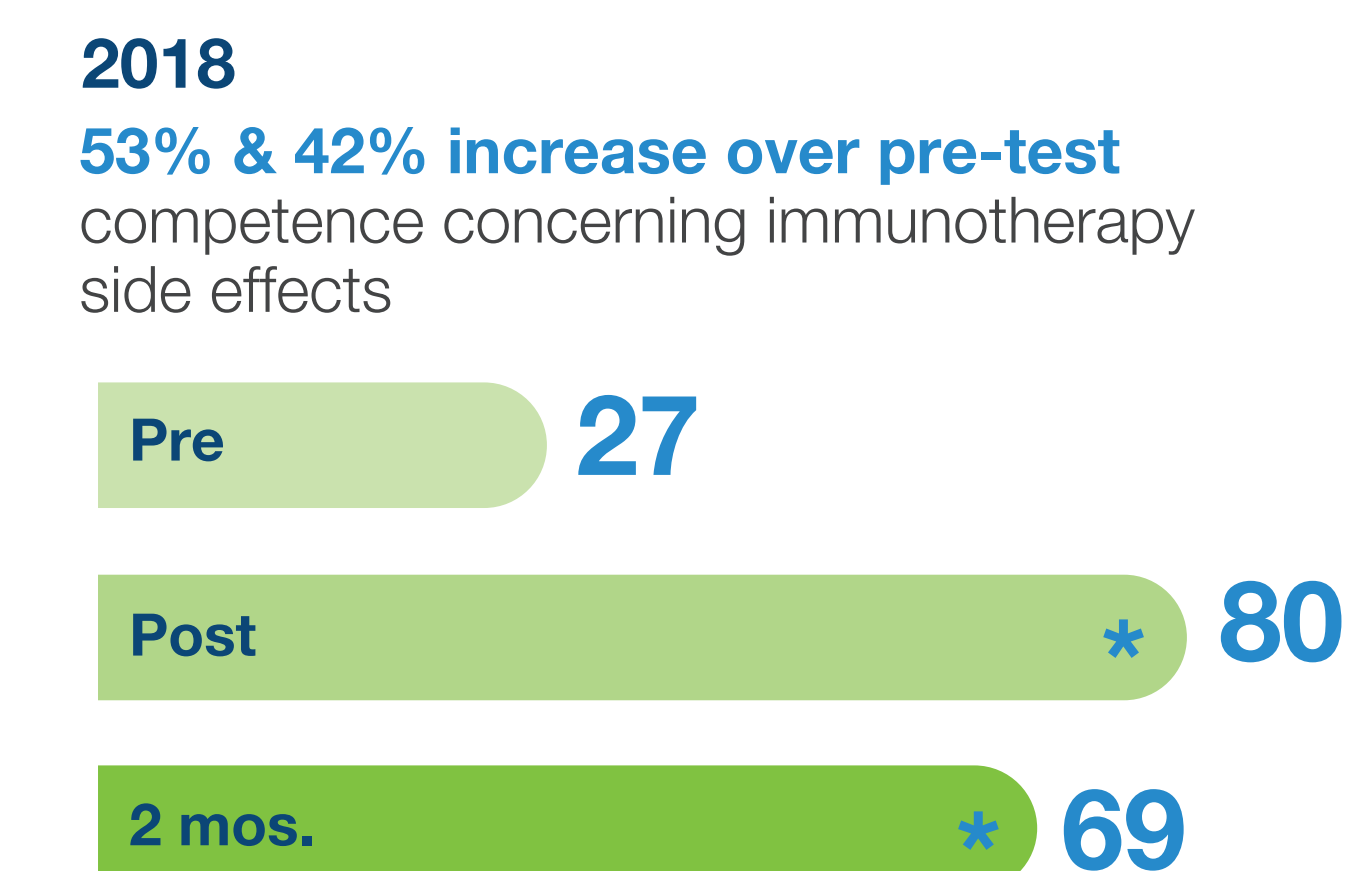
Featured Test Questions



Discussion/Next Steps Educational Targeting

Learner pre/post responses demonstrated that education tailored to nursing care strategies can significantly improve knowledge and competence in pediatric neuroblastoma management, including post-consolidation treatment, side effect management, and supportive care strategies. The findings revealed educational gaps pertaining to effective management of novel neuroblastoma treatment regimens, and communication strategies with families and caregivers.

Educational activities were supported by independent educational grants from United Therapeutics Corporation.



* 4 statistically significant improvements; p<.05, matched learners, comparison of pre to post and pre to 2 mos follow up results