

# Pediatric Palliative Care in Nicaragua: ADAPT Profile

- The Assessing Doctors' Attitudes on Palliative Treatment (ADAPT) study was conducted in 2020, in collaboration with local stakeholders.
- The study identified **physician** access, knowledge, and perceptions on palliative care integration **for children with cancer** as outlined by the World Health Organization (WHO) guide in 2018.
- The study received **874 physician responses from 17 countries** (for published references, see p.2.).

**PALLIATIVE CARE:** defined by the WHO as the prevention and relief of patient suffering and the "ethical responsibility of health systems" that "should be integrated with and complement prevention, early diagnosis and treatment."

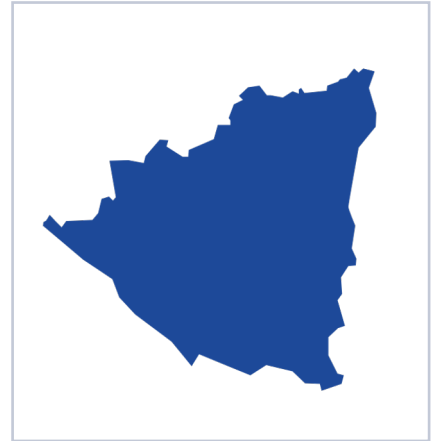
Palliative care improves treatment outcomes such as:

- Improved quality of life
- Better pain control and symptom management
- Decreased hospitalizations and fewer days in the intensive care unit

Palliative care integrated into health care systems at all levels and home care reduce health care costs by:

- Decreasing unnecessary resource utilization
- Being less expensive
- Yielding better outcomes.

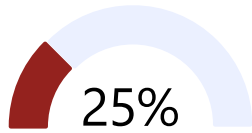
Additional information: *Integrating Palliative Care and Symptom Relief Into Paediatrics: A WHO Guide for Health Care Planners, Implementers and Managers. WHO; 2018.*



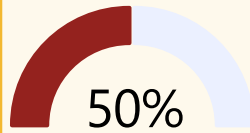
## Access to Pediatric Palliative Care



reported **no access** to palliative care consultation in their practice



indicated that **palliative care consultation is not available** when they feel it is needed for children with cancer



felt that **palliative care was involved too late** in the treatment of a child with cancer

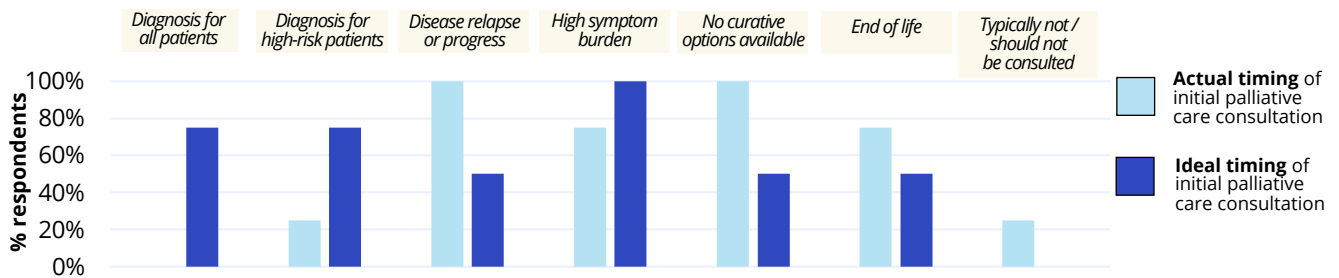


believe **palliative care reduces suffering** for a child with cancer

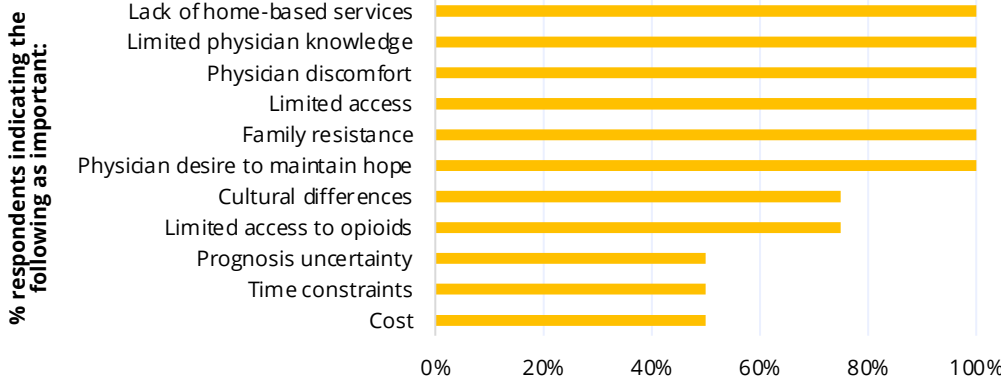


believe palliative care should be **integrated earlier** than typically occurs in their childhood cancer setting

## Physician Perspectives on Actual vs. Ideal Timing of Initial Palliative Care Consultation



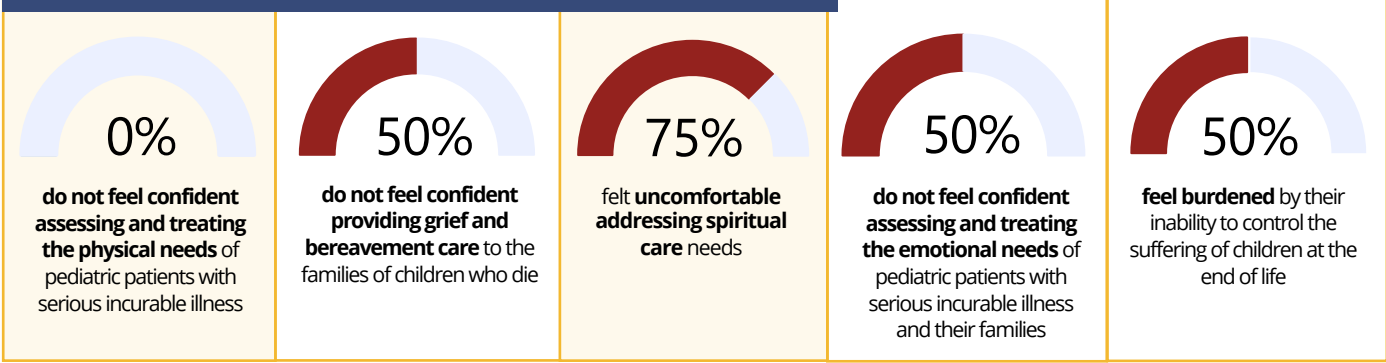
## Barriers to Early Palliative Care Integration



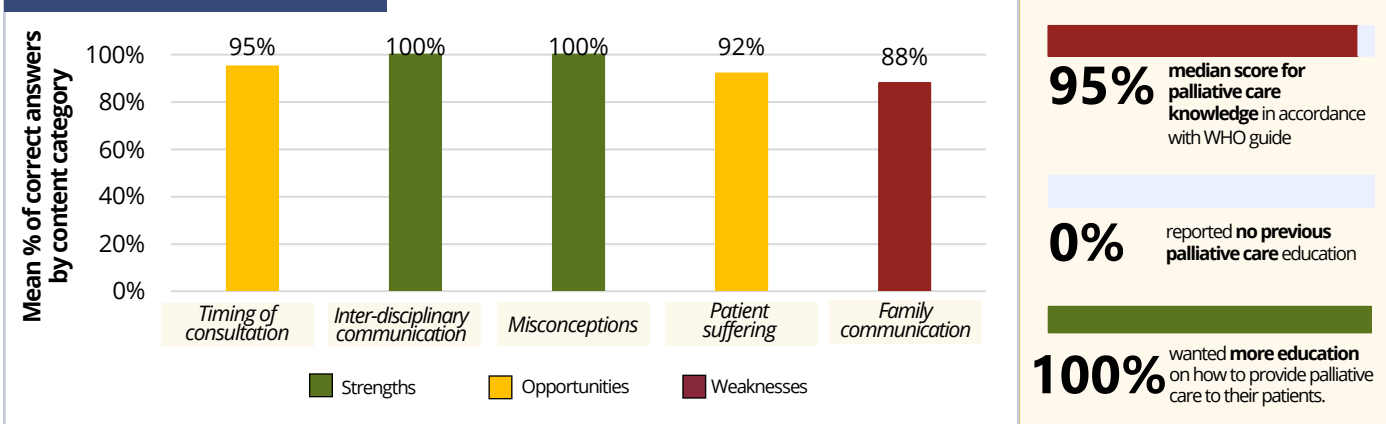
Physicians in Nicaragua indicated that lack of home-based services, limited physician knowledge, physician discomfort, limited access, family resistance, and physician desire to maintain hope are the most significant barriers to palliative care consultation for children with cancer.



# Physician Confidence in Delivering Palliative Care



## Physician Knowledge



## Strengths

- High levels of access to palliative care consultation (100%)
- High levels of previous palliative care education (100%)
- Strong desire among physicians for more palliative care education (100%)

## Recommended Next Steps for Nicaragua

- Conduct further research to investigate the discrepancy between actual vs. ideal timing of palliative care consultation
- Create interdisciplinary palliative care teams to meet the spiritual needs of patients and families
- Increase the development of home-based palliative care services such as consultations and multidisciplinary specialists
- Integrate palliative care education into medical school, residency, and fellowship curricula, focusing on improving communication with patients and families in pediatric cancer care

## Regional Implementation of ADAPT in Nicaragua

- Country-adapted pediatric palliative care curriculum based on identified knowledge gap
- Working with the Pan American Health Organization (PAHO) on their initiatives in palliative care

## References and Additional Information

Ehrlich BS, Movsisyan N, Batmunkh T, Kumirova E, Borisevich MV, Kirgizov K, Graetz DE, McNeil MJ, Yakimkova T, Vinitzky A, Ferrara G. A multicountry assessment in Eurasia: Alignment of physician perspectives on palliative care integration in pediatric oncology with World Health Organization guidelines. *Cancer*. 2020 Aug 15;126(16):3777-87.

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McNeil MJ, Ehrlich BS, Wang H, Vedaraju Y, Bustamante M, Dussel V, Friedrich P, Garcia Quintero X, Gillipelli SR, Gomez Garcia W, Graetz DE, Kaye EC, Metzger ML, Sabato Danon CV, Devidas M, Baker JN, Agulnik A; Assessing Doctors' Attitudes on Palliative Treatment (ADAPT) Latin America Study Group. Physician Perceptions of Palliative Care for Children With Cancer in Latin America. *JAMA Netw Open*. 2022 Mar 1;5(3):e221245.