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POINTE: A Novel Way of Spreading Global Pediatric Oncology Nursing Knowledge

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Speaker Disclosure Statement

- Rachael Kunkel has no industry relationships to disclose.

Pediatric Cancer in the United States of America

- Childhood cancer is the leading cause of death by disease past infancy among children in the United States
- In 2018, it is estimated that 15,590 children and adolescents ages 0 to 19 were diagnosed with cancer
 - 1,780 will die of the disease in the United States (2018).



<https://loveyourmelon.com/blogs/love-your-melon-blog/20-facts-you-should-know-about-pediatric-cancer>

Global Impact of Pediatric Cancer

- Cancer affects ~ 300,000 children/adolescents (0-19 years old) annually (2017)
- Most cases occur in the low- and middle-income countries (LMICs) where nearly 90% of the world's children live (2015)



<https://www.flickr.com/photos/donkeyhotey/5679642883>



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Childhood Cancer Survival

- High-income countries (HICs) survival in the 1960s was <30% and is now nearly 80% (2019)
- LMIC continue to have around a 30% survival rate (2019)



<https://www.pinmart.com/awareness-ribbon-pin-childhood-cancer/>

HIC versus LMICs

Defined by The World Bank

- Lower middle-income economies are those with a gross national income (GNI) per capita between \$1,036 and \$4,045
- Upper middle-income economies are those with a GNI per capita between \$4,046 and \$12,535
- High-income economies are those with a GNI per capita of \$12,536 or more.



<https://www.publicspendforum.net/events/world-bank-global-public-procurement-database-launch-panel/>

Global Initiative for Childhood Cancer

- In September 2018, the World Health Organization (WHO) announced a new effort – the WHO Global Initiative for Childhood Cancer
- Aim of reaching at least a *60% survival rate* for children with cancer by 2030, thereby saving an additional one million lives.



World Health
Organization

<https://www.who.int/>



Arkansas
Children's

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Background

- One of the most significant barriers to adequately treating children with cancer in resource-constrained settings is a *lack of health care workers in general and even fewer with specialty training in pediatric oncology*.
- The overall number of available nurses per 1000 people can be as low as 0.2 (Central African Republic and Philippines).
- It is *critical* that nurses who care for these patients are well prepared to deliver high-quality care.
- Some online and in-person clinical training programs and educational materials are available for nurses in these settings; however, information about these resources is often difficult to find and not easily accessible due to financial constraints and time.



<https://www.who.int/campaigns/year-of-the-nurse-and-the-midwife-2020>

International Society of Paediatric Oncology

- Founded in 1968, The International Society of Paediatric Oncology (SIOP) is the only global multidisciplinary society entirely devoted to paediatric and adolescent cancer. SIOP's vision is that no child should die of cancer and that cure can be achieved with no or minimal late effects.

SOCIÉTÉ INTERNATIONALE
D'ONCOLOGIE PÉDIATRIQUE



INTERNATIONAL SOCIETY
OF PAEDIATRIC ONCOLOGY

<https://siop-online.org/>



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The Paediatric Oncology International Training and Education Network

- Launching at SIOP Dublin in 2016, the Education and Training Paediatric Oncology in Developing Countries (PODC) Working Group within SIOP launched the Paediatric Oncology International Network for Training and Education (POINTE) website (www.cancerpointe.com).
- POINTE was developed to offer a central, open access website (no passwords or member-only restriction) where health professionals caring for children/adolescents with cancer worldwide can find educational opportunities, information about forthcoming events relevant to pediatric oncology, and mentorship.



Methodology

- Recognizing the key role nurses play in improving survival and decreasing suffering for children/adolescents with cancer, a separate POINTE page was created for nurses in 2019 in partnership with the SIOP PODC Nursing Group.
- Nurses can find resources for specialization and connect with other pediatric oncology nursing colleagues around the globe via POINTE.
- Materials include:
 - Lists of educational/training opportunities
 - Teaching and learning resources
 - Nursing mentors for projects or academic writing
 - Podcasts highlighting nurses from HICs and LMICs



Methodology Continued

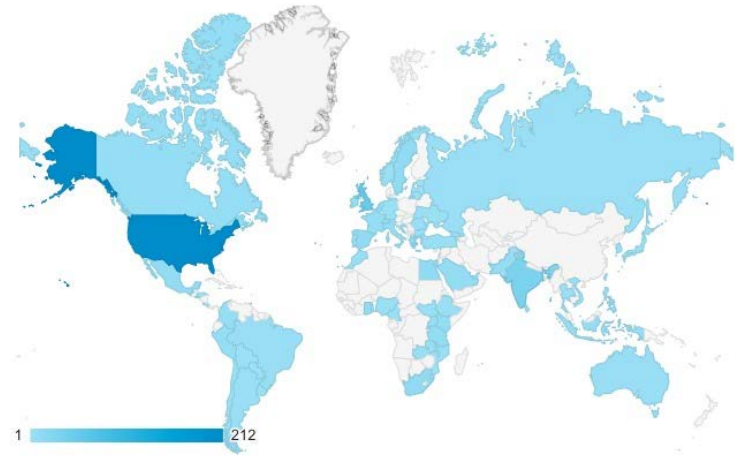
- The page is advertised by: Twitter, Facebook, Instagram, and the POINTE home page.
- Content for the page is provided by pediatric oncology nurses with direct experience working in resource-constrained countries.
- The page will soon host content for the PODC Nursing Group within SIOP. Subject matter will include: educational sessions, newsletters, and meeting announcements.



Discussion of Findings

As of July 2020, the POINTE nursing page has been accessed by 436 visitors from 48 countries including:

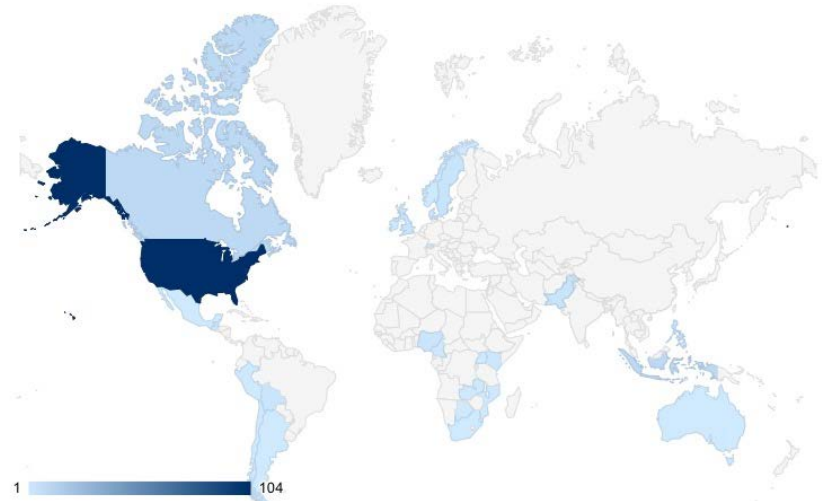
- 159 from the Americas (North or South)
- 136 Europe
- 66 Africa
- 50 Asia
- 3 Oceania
- 22 Unknown



Discussion of Findings

The first nursing podcast, “Nurses are the final common pathway for safe care: The importance of baseline nursing standards with the SIOP PODC Nursing Working Group,” launched June 26th 2019

- 520 page views from 62 countries
- 153 downloads
- Listeners from 27 countries



Discussion of Findings

The second nursing podcast, “Nurses take charge: How to advocate for a safer working environment for staff and patients,” launched August 4th 2019

- 204 page views from 33 countries.
- 76 downloads
- Listeners from 23 countries



Long Term Goals

- POINTE's overall goal is to make existing information regarding pediatric oncology more accessible to health care workers from resource-constrained settings.
- We hope to continue to expand and build nursing partnerships with a *goal of improving patient outcomes.*



Paediatric Oncology International Network for Training and Education

- *Promoting global childhood cancer education*
- <https://cancerpointe.com/>



Global Health & Childhood Cancer

- A podcast where we discuss the ideas in global health that can save the lives of children with cancer around the world.
- <https://www.ghccpod.com/>





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APHON Global Initiative,
stewarded by the Global
Outreach Committee





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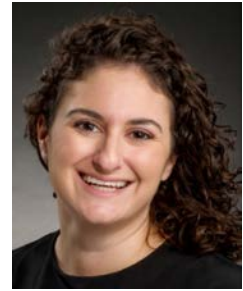
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“We need to give these kids a better chance; or at the very least a better death.”

– Julia Challinor



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