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### My Journey



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to gain knowledge about the global impact of cancer



to identify the challenges facing nurses in low-middle income countries

to explore professional opportunities in international cancer nursing

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### Global Burden of Disease



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## Eight Goals for 2015

 Eradicate extreme poverty and hunger	 Improve maternal health
 Achieve universal primary education	 Combat HIV/AIDS, malaria and other diseases
 Promote gender equality and empower women	 Ensure environmental sustainability
 Reduce child mortality	 Develop a global partnership for development

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**Global Burden of Disease**

Communicable Disease  
Non-communicable Diseases

- Cardiovascular Diseases
- Cancer
- Respiratory Diseases
- Diabetes
- Disease of various organs
- Mental Health Disorders

External Causes

- Injuries
- Violence

www.who.international

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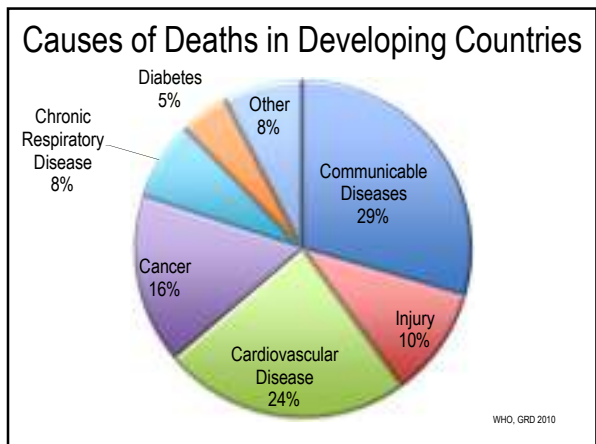
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### WHO Goal '25 by '25'

- The NCD ALLIANCE  
Putting non-communicable diseases on the global agenda
- To reduce the avoidable mortality from non-communicable diseases (NCD) by 25% by 2025

NCDAlliance.org  
http://www.thelancet.com/series/non-communicable-diseases

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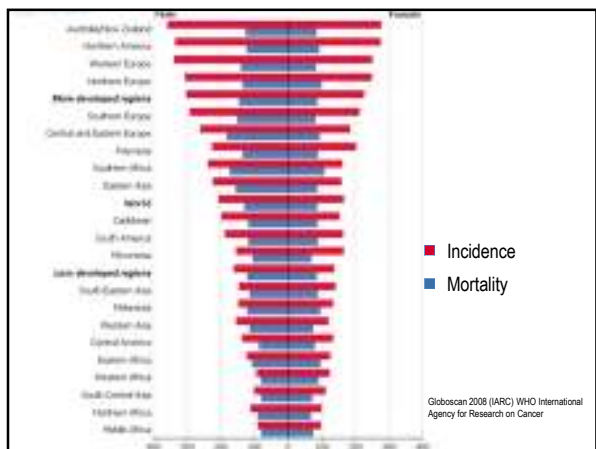
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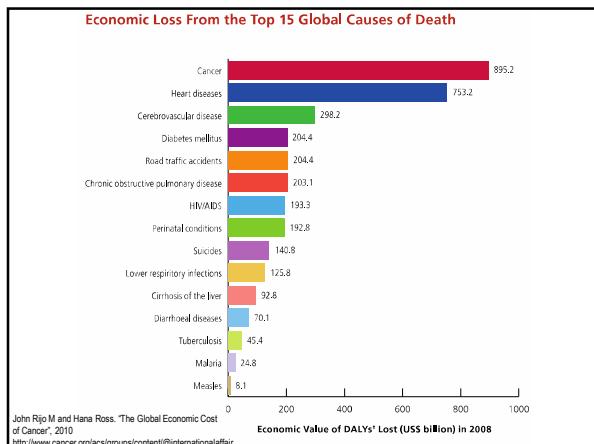
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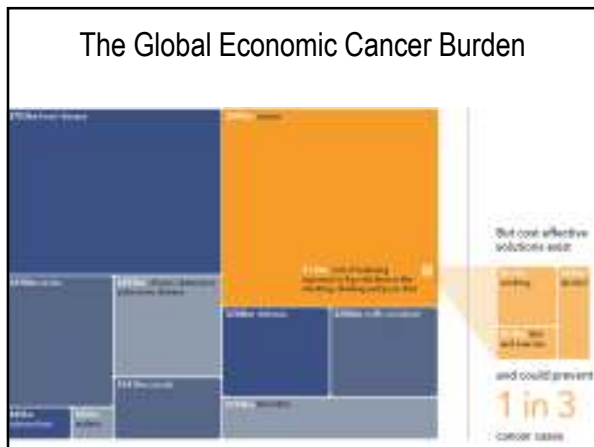
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### Childhood Cancer Worldwide

- 176,000 newly diagnosed cases
- 84% of new cases in low and middle income countries
- 60% do not have access to adequate diagnosis and care
- >50% with cancer die



<http://www.stjude.org/international>

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### World Income Distribution



[http://bemoneyaware.com/images/world/World\\_Bank\\_income\\_groups.jpg](http://bemoneyaware.com/images/world/World_Bank_income_groups.jpg)

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Challenges of Treating Childhood Cancer in Low- Middle Income Countries



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Early Detection and Diagnosis  
Concurrent Infections  
Malnutrition

Abandonment  
Lack of Cancer Registries/Treatment  
Nursing

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Early Detection



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## Early Detection

- Delay in diagnosis
  - Child is not brought in for medical attention
  - Initial diagnosis is not correct
- Lag time
  - Interval between onset of symptoms and diagnosis
  - Very IMPORTANT
- Impacts survival



Pediatric Blood Cancer 2011;56:341 - 348

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## Malnutrition



Concurrent Infections

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### Abandonment of Care

- Patient fails to receive treatment necessary for cure for a sustained period of time
  - Includes upfront refusal
  - Leaving the hospital after initial treatment is started
- Treatment Refusal and Abandonment (TR+A)
- HUGE impact on survival



www.lancet.com 2011

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### Building Cancer Registries

Cancer registries improve disease detection and treatment because they...

-  Identify cancer trends and high-risk groups
-  Help set priorities for health resources and programs
-  Advance clinical and health research

IBM and the Union of International Cancer Control

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### What is nursing like in LMIC

- Scope of Practice
- Basic Nursing
  - Vital signs, I/O, blood sampling, starting IV, hygiene, administer medications
- Support Care = Palliative Care
- Not allowed to speak to patient or family about diagnosis or treatment
- No autonomy



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### What is nursing like in LMIC



- Lack of training in childhood cancer
- Lack of education in palliative care
- Nurses are overburden
  - Staffing ratio
- Nurses rotate off unit
  - Decrease team building
  - Lost of education
- Lack of equipment

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### These are the challenges for nurses



What are the solutions?

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## SIOP Nursing Group



London 2011

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### SIOP Baseline Standards for Pediatric Oncology Nurses in Low- and Middle-income Countries

1. Nurse to patient ratio of 1:5 for pediatric oncology units
2. Orientation program for nurses new to pediatric oncology (theory and clinical skills followed by 3-4 weeks working with a skilled nurse)
  - Review of pediatric cancers
  - Chemotherapy and blood products administration
  - Infection control and prevention
  - Education for parents and families
  - Palliative care
  - Early detection and management of oncology emergencies
3. Continuing educational opportunities to increase clinical skills and knowledge

Day, S., Hollis, R., Challinor, J., Bevilacqua, G., & Bosomprah, E. (2014) Baseline Standards for Paediatric Oncology Nursing Care in Low to Middle Income Countries: Position Statement of the SIOP PODOC Nursing Working Group. Lancet Oncology 15:681-82.

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**SIOP Baseline Standards (cont.)**

4. Nurses acknowledged as core members of multidisciplinary teams
  - Included in patient rounds and all meetings with patients and parents to discuss diagnosis and treatment plans
5. Resources available for safe care including
  - Intravenous pumps
  - Supplies for hand washing, sanitizing and isolation
  - Nurses should only prepare chemotherapy when a pharmacist is not available and when provided with personal protective equipment and a biosafety level two cabinet
6. Evidence-based policies and procedures for nursing

Day, S., Hollis, R., Challinor, J., Bevilacqua, G., & Bosomprah, E. (2014) Baseline Standards for Paediatric Oncology Nursing Care in Low to Middle Income Countries: Position Statement of the SIOP PODOC Nursing Working Group. Lancet Oncology 15:681-82.

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## Goals of Twinning

- **Develop** evidence-based protocols tailored to regional needs and resources
- **Train** doctors, nurses, and other healthcare professionals in clinical care best practices
- **Improve** clinical care and outcomes through increased quality, capacity, and capability of diagnostic pathology and clinical laboratory medicine
- **Reduce** infection rates by implementing more effective infection prevention, control, and care measures
- **Implement** institutional pediatric cancer registries and data management best practices to understand the regional burden of pediatric cancer and to help determine which treatments are most effective

St. Jude's International Outreach Program

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## Training Programs for Pediatric Oncology and Nursing in Low- and Middle-Income Countries.



<http://tx.english-ch.com/teacher/myles/others/the-world-map/>

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## World Child Cancer

Worldchildcancer.org



A world where every child with cancer has access to the best possible treatment and care.  
To improve cancer diagnosis, treatment and care for children across the developing world.

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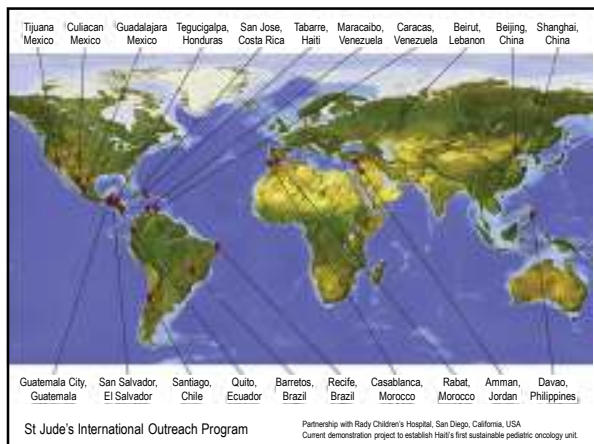
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### Education Programs Need to be Tailored



- Latin America Center for Pediatric Oncology Nursing Education
  - Comprehensive Nurse Educator Course
    - ONCOLOGY NURSE EDUCATOR ROLE
  - Ongoing Support
    - Education and Mentoring
  - Nursing Education Resources

Day S, et al Pediatric Blood Cancer 2011;56:5-6

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### Nurse Educators



China



Guatemala & El Salvador



Chile



Mexico



Colombia



Mexico and Guatemala

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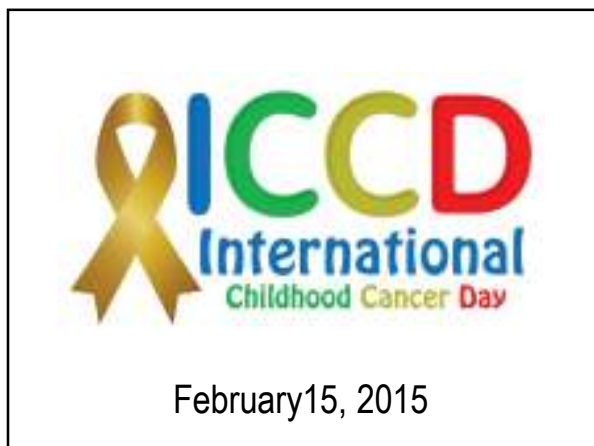
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Project Care



>450 million items distributed worldwide

125 countries

12K volunteers

Distribution of surplus medical supplies

www.projectcare.com

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EBMT 2015



الاجتماع السنوي العالمي للأورام  
المعاصرة الأوروبية لدراس الدم والخلايا  
الغذية  
25-29 يونيو 2015 - المنامة، البحرين

www.ebmt2015.org

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www.ebmt2015.org



www.ebmt2015.org

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EBMT 2015

第41屆歐洲血液和骨髓移植學會會議

2015年9月22-26日 里斯本, 葡萄牙

第一屆大會

- Care of the carer
- Complementary therapies
- Donor issues
- Ethical issues
- Impact of new therapies
- Information and education
- Management
- Outpatient developments

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EBMT 2015

41º ENCONTRO ANUAL DA SOCIEDADE EUROPEIA DE TRANSPLANTE DE MEDULA OSSEA

22-26 de Maio de 2015 - Lisboa, Portugal

1º ANUNDO

- Palliative care
- Patient safety
- Psycho-social issues
- Protective care
- Quality of life
- Standards of care
- Survivorship
- Symptoms management

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Plan Ahead...



15th International Conference on Cancer Nursing  
Strengthening Leadership, Unity and Compassion in Cancer Care

September 8-11, 2015  
Hilton Panama PANAMA CITY, PANAMA

September 7-11, 2016  
Hong Kong, China

Vancouver Canada 2015

Hong Kong, China 2016

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**SAVE THE DATE**

**SIOPO 2015**

**CAPE TOWN**

October 8 -11, 2015  
Cape Town, South Africa

47<sup>th</sup> Congress of the  
International Society  
of Paediatric Oncology

Dublin, Ireland 2016  
Washington DC, USA 2017

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Conferences

Internet Search

School of Nursing

**Educate Yourself**

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<p><b>SKILLS</b></p> <ul style="list-style-type: none"><li>• Expert Clinician</li><li>• Teacher</li><li>• Problem Solver</li><li>• Politically Astute</li><li>• Critical Thinker</li><li>• Language Skills</li><li>• Organizational Abilities</li></ul>	A photograph of three women standing together indoors. The woman on the left is wearing a white lab coat. The woman in the middle is wearing a white button-down shirt. The woman on the right is wearing a dark top and glasses. They are all smiling at the camera.
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**ATTRIBUTES**

- Open-Minded
- Flexible
- Ethical
- Cultural Sensitivity
- Team Player

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Volunteer Travel Opportunities



Fall and Winter 2014, teams travelled to Costa Rica, Honduras, Vietnam, and Tanzania



hvousa.org

People to People Citizen Ambassador Program

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1. What are the goals and history of the project?
2. What is your role in-country and post-visit?
3. How do you set realistic expectations in-country and post-visit?
4. How do you get started and prepare for your project?

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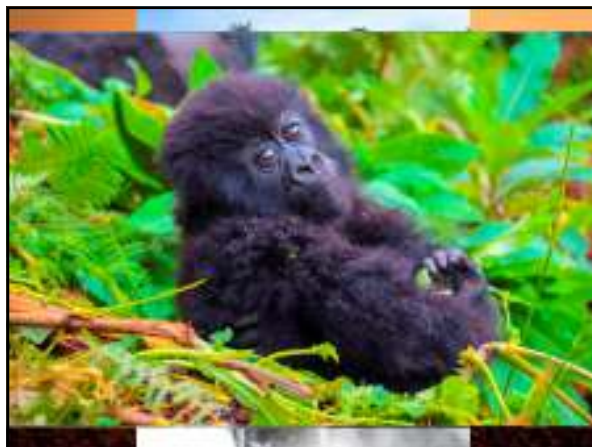
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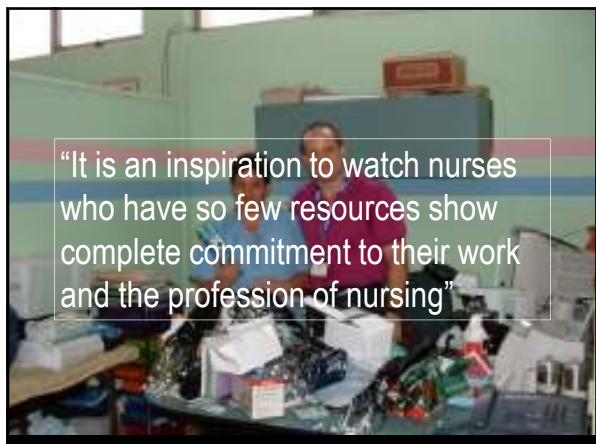
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“You cannot cure children with doctors, nurses and chemo alone; you must raise the standards of pharmacy, nutrition, psychosocial support, pathology, laboratory, infection control to make a change”

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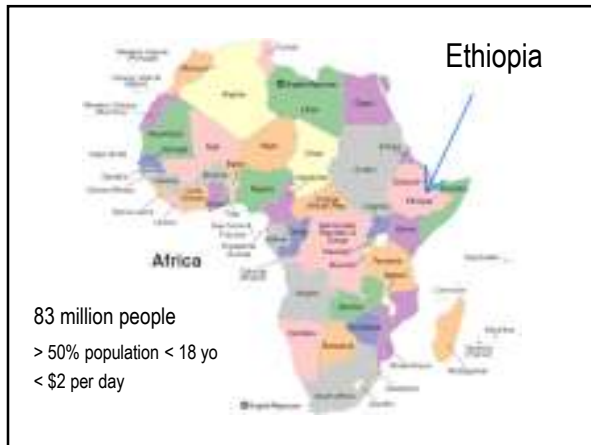
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“With limited material resources and extreme shortages of nurses, the entire hospital must “buy in” to the project. You must personally speak to and collaborate with key stakeholders to make this happen”

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## WORDS OF ADVICE

- Project must be sustainability
- Detailed written reports
- Look beyond the oncology unit
- Accessibility to technology
- Mutual respect
- Patience – “everything takes time”
- Be practical and creative

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## So what about transplant nursing...

### URGENTLY REQUIRED QUALIFIED STAFF NURSES

Bone Marrow Transplant Centre- Al-Sayed Hospital-The Kidney Centre, Jhelum Road, (Opp: Play Land Ayyub Park), Rawalpindi Requires Bone Marrow Trained Female Qualified Nursing Staff with experience of ICU/CCU/Bone Marrow Transplant Care.

We Provide excellent working environment, attractive Salary package and Hostel facilities. Interested candidate should report at above address with testimonials on 3rd July, 2014 at 11 am.

**Tel: 051-5486807-5450741 & 2**

- Hospitals/Schools of Nursing
  - Lectures/Education
  - China/Shanghai Children's Hospital
    - Role Development
      - Clinical Nurse Specialist, Nurse Practitioner
    - Safety and Quality Care
    - Nurse Sensitive Quality Indicators
    - Innovative Practices and Approaches
    - Palliative Care
    - Post-Discharge/Long Term Complications

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**H SCT for Thalassaemia**



- Jaipur, India
- Islamabad, Pakistan
- Kabul, Afghanistan
- Marrakech, Morocco
- Colombo, Sri Lanka
- Jos, Nigeria

Mehta, Pand and Faulkner, L. Biol Marrow Transplant 19 (2013) 570–573

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Education, Professional Practices and Research

### My Child Matters Awards For Paediatric Oncology Nurses

A photograph of a female nurse in a clinical setting, wearing white gloves and holding a medical device. She is looking towards the right of the frame.

Sanofi Espoir Foundation Awards  
Deadline: June 30, 2015 [www.care-challenge.com](http://www.care-challenge.com)

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**CULTURAL COMPETENCE**

The ability to interact effectively with people of different cultures and socio-economic backgrounds

- Awareness of one's own cultural world view
- Attitude towards cultural difference
- Knowledge of difference cultural practices and worldviews
- Cross cultural skills



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### Exploring the Issues in the Delivery of Cultural Competent Care

- Web-based survey
  - Attitudes
  - Practices
  - Challenges
- Multiple choice/Statements/Open ended questions
- Survey emailed (March 2014)



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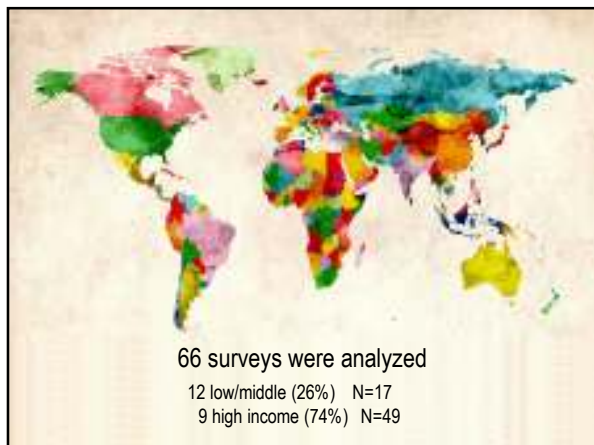
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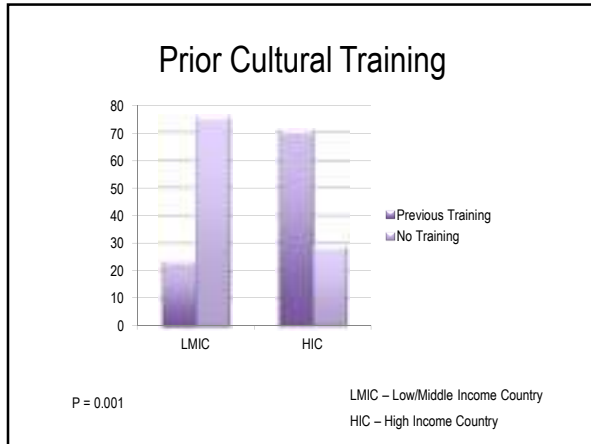
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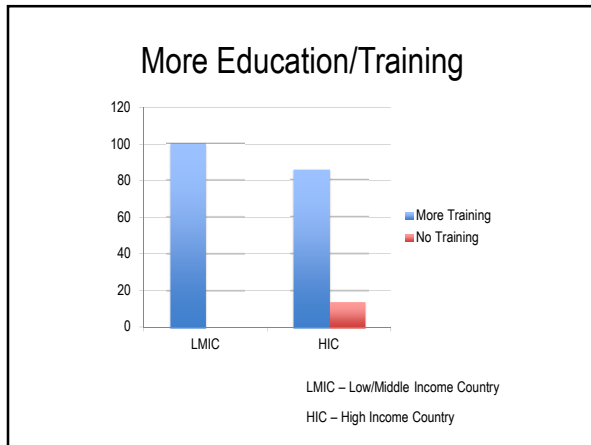
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### Greatest Challenges

- Language barriers
  - Increased access to interpreters
- Obtaining information about specific cultures
  - Access to online or written resources
- Establishing a trusting relationship



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### Successful Strategies

- Try to use the language
- Recognize non-verbal cues
- Never assume
- Listen
- Be respectful and non-judgmental
- Consult with knowledgeable staff
- Use humor
- Access to resources



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### What I liked best

- Exposure to other cultures provides opportunities for both individual and professional growth
- Viewed cultural competency as vital to their daily practice
- Gained new perspectives on life
- Felt an increased sensitivity in nurse-patient relationships



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### Conclusions

- Cultural competence is a skill that takes time to develop and needs to be nurtured
- Providing culturally competence care is vital to our nursing practice
- Promotes personal and professional growth
- More resources and research are needed



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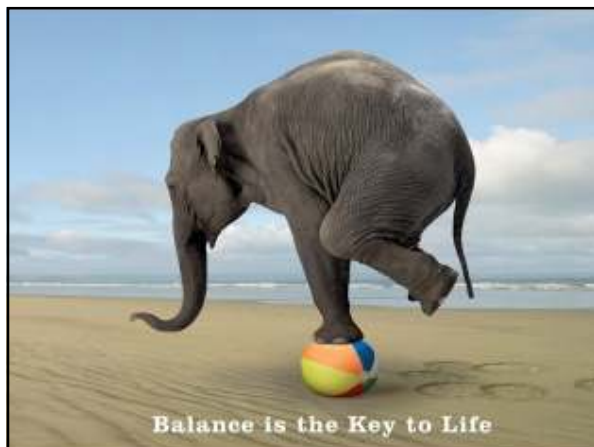
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