



**Global
Pediatric
Medicine**

Estrategia global para la cura del cáncer pediátrico

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Directora Regional Centro América y Sudamérica



St. Jude Global

CENTRAL AND SOUTH AMERICA

Contexto del Cáncer Pediátrico

WHY IT MATTERS

MORE THAN
300,000

CHILDREN AND ADOLESCENTS
are diagnosed with cancer
worldwide each year.

The greatest indicator of cure
for children with cancer
IS WHERE THEY LIVE.

Low- and middle-income countries

240,000
DIAGNOSED



1 out of 5
are
CURED

High-income countries

60,000
DIAGNOSED



4 out of 5
are
CURED

WHY ARE
CURE RATES LOW
IN SOME NATIONS?



Limited access
to high-quality,
affordable
treatment



High treatment refusal
and abandonment rates
due to socioeconomic
and cultural barriers



El problema

- Más de 80% de niños con cáncer pueden ser curados con tratamientos modernos
- Sin embargo
 - Cada año cerca de 200,000 niños son diagnosticados con cáncer en el mundo
 - Más de un 80% de los niños viven en países con recursos limitados
- La sobrevivencia a nivel global es mucho inferior y la mayor parte de los niños con cáncer en el mundo muere
- Las mismas disparidades se observan con otras enfermedades catastróficas de la sangre



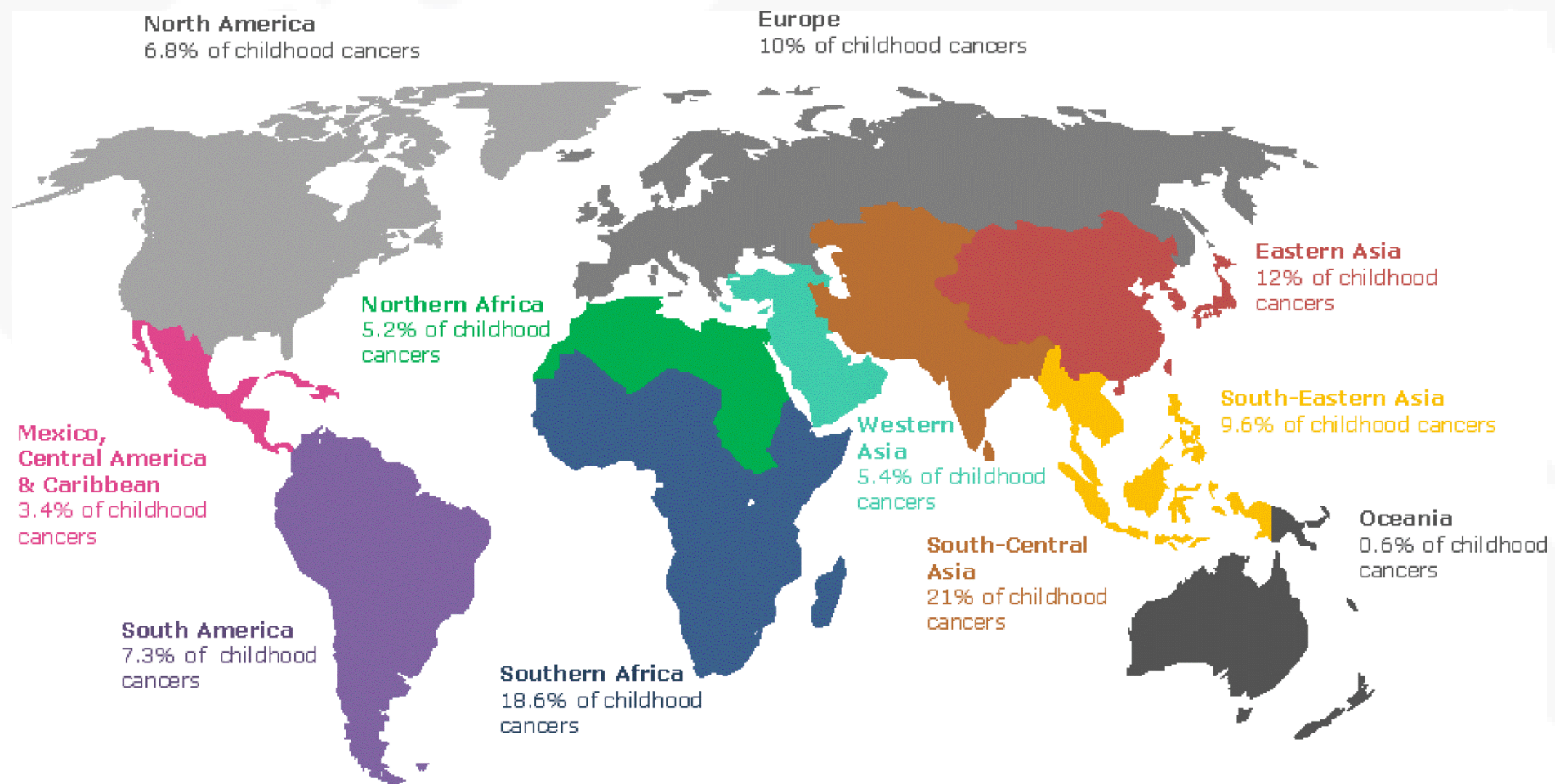
Los esfuerzos de St. Jude para reducir las disparidades a nivel global



Ni un niño debe morir en el amanecer de su vida



El Problema

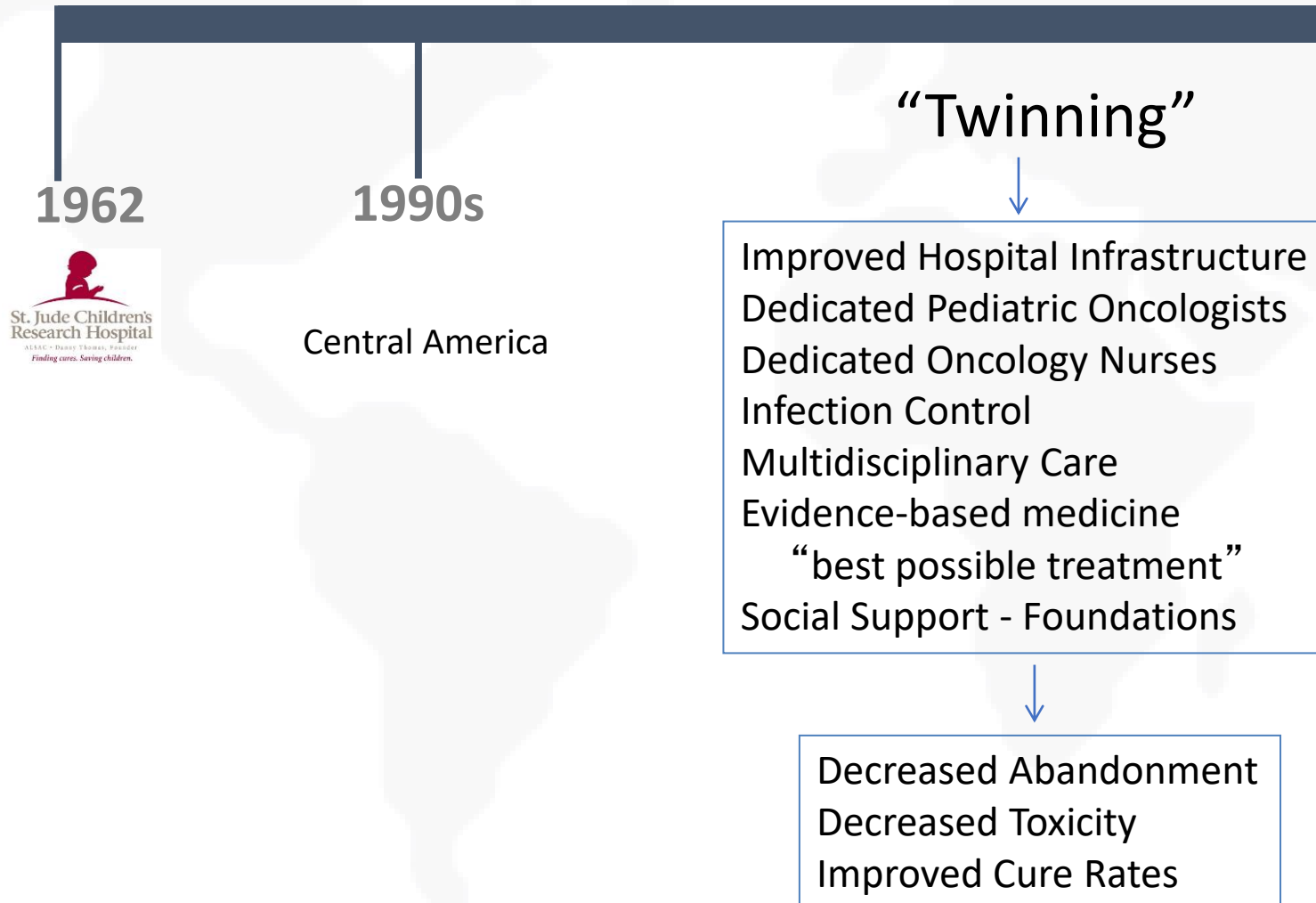


Rodriguez-Galindo et al. J Clin Oncol 2015



El papel de las cooperaciones en la cura del cáncer

Centro América como ejemplo



El papel de las cooperaciones en la cura del cáncer

Centro América como ejemplo

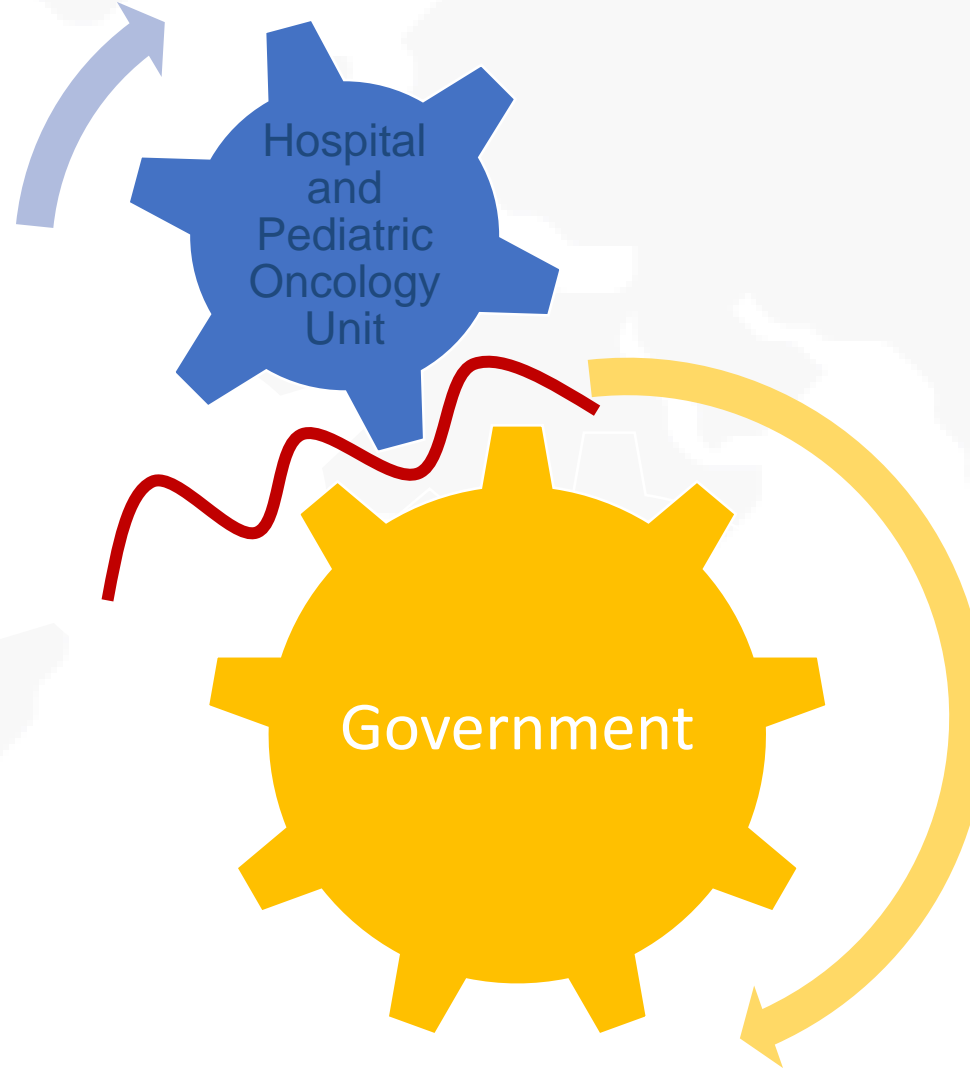


Formación de programas de oncología pediátrica

El papel de las cooperaciones en la cura del cáncer

Due to high-stakes in pediatric oncology, POU attempt to offer subspecialty care that is inherently:

- Demanding
- Complex
- Time-consuming
- Expensive
- Multi- and inter-disciplinary



The government is dealing with:

- High volumes
- Competing needs
- Population changes
- Increased burden of non-communicable diseases
- Political changes
- Budgetary constraints
- Fragmentation concerns
- Accountability issues

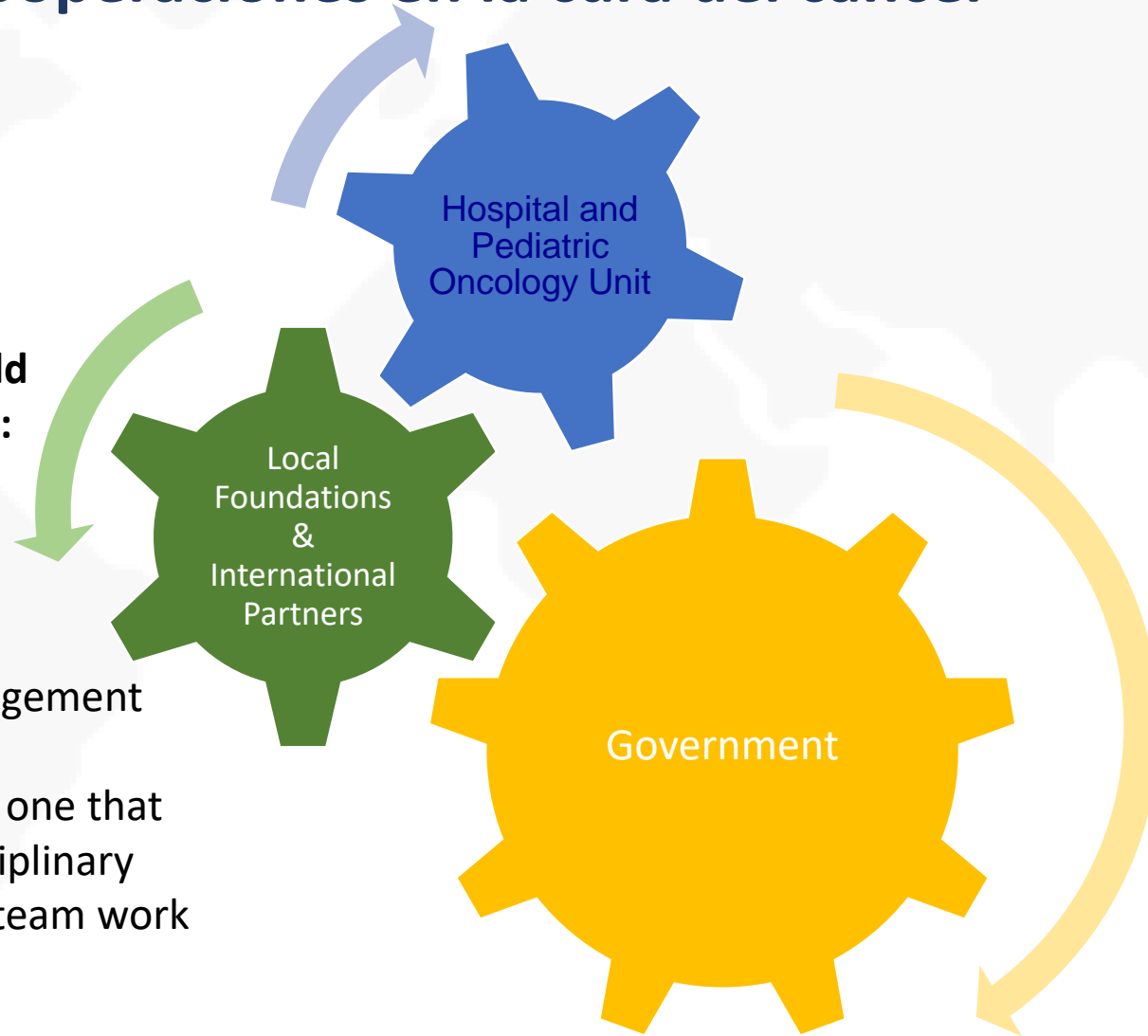


Formación de programas de oncología pediátrica

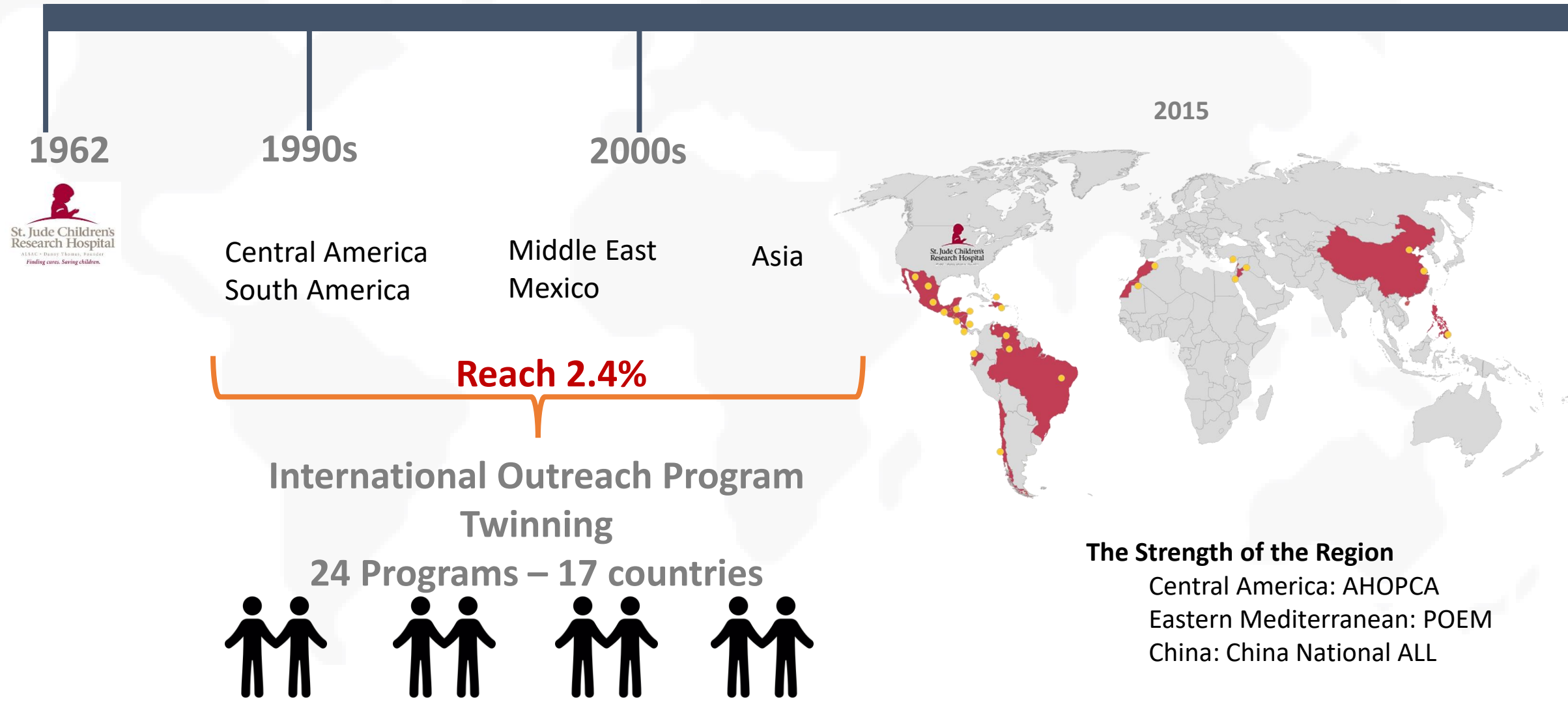
El papel de las cooperaciones en la cura del cáncer

Partnerships can facilitate build sustainable programs through:

- Training, education
- Prioritization of resources
- Goal setting and timelines
- Technology transfer
- Promote leadership, management
- Build research capacity
- Change medical culture to one that fosters planning, multidisciplinary care, communication and team work



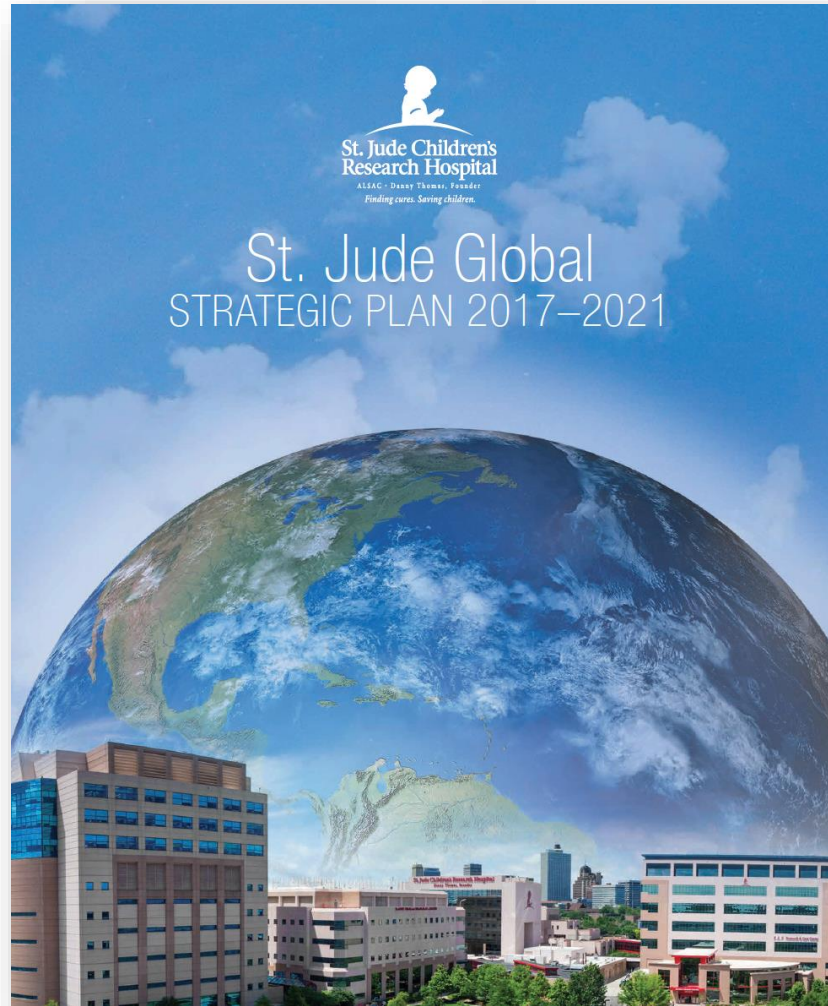
Los esfuerzos de St. Jude para reducir las disparidades a nivel global



Los esfuerzos de St. Jude para reducir las disparidades a nivel global



Plan estratégico de St. Jude Global



St. Jude Global Vision

Every child diagnosed with cancer or a blood disorder will have access to quality care

St. Jude Global Mission

To improve the survival rates of children with cancer and other catastrophic diseases worldwide through:

- The sharing of knowledge, technology, and organizational skills
- The implementation of new approaches to treat pediatric cancer globally
- The generation of international networks committed to eradicating cancer in children



St. Jude Global

St. Jude Global Strategic Goals

- To train the clinical workforce that will be required to meet our vision
- To develop and strengthen health systems and patient-centered initiatives that encompass the entire continuum of care required for children with cancer and non-malignant hematological diseases
- To advance knowledge in global pediatric oncology and hematology through research to sustain a continuous improvement in the level and quality of care delivered around the globe

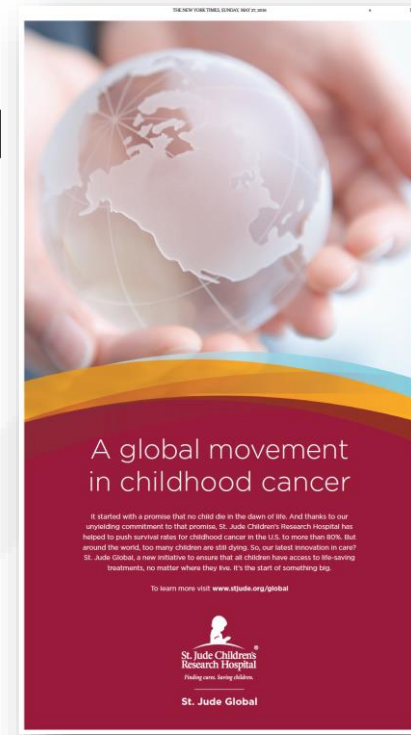
Education

Program Building

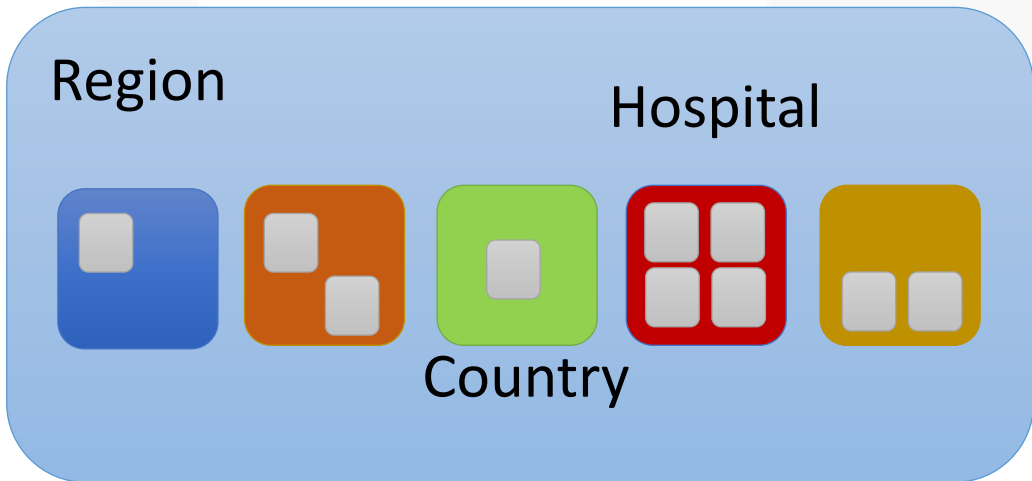
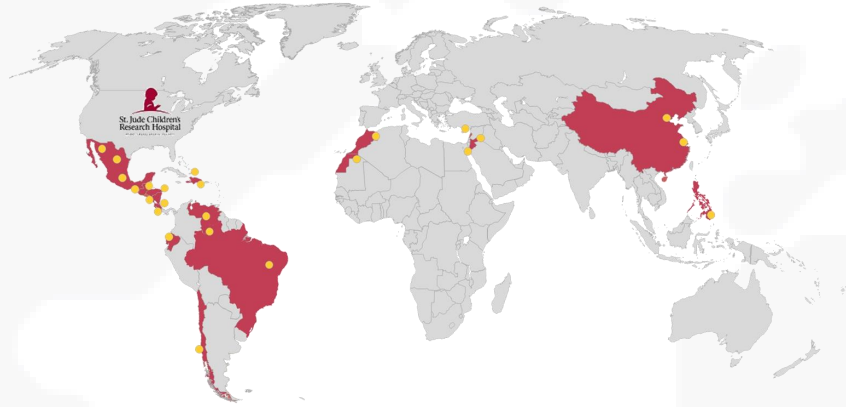
Research



Los esfuerzos de St. Jude para reducir las disparidades a nivel global



St. Jude Global: Consolidación, Transformación y Expansión



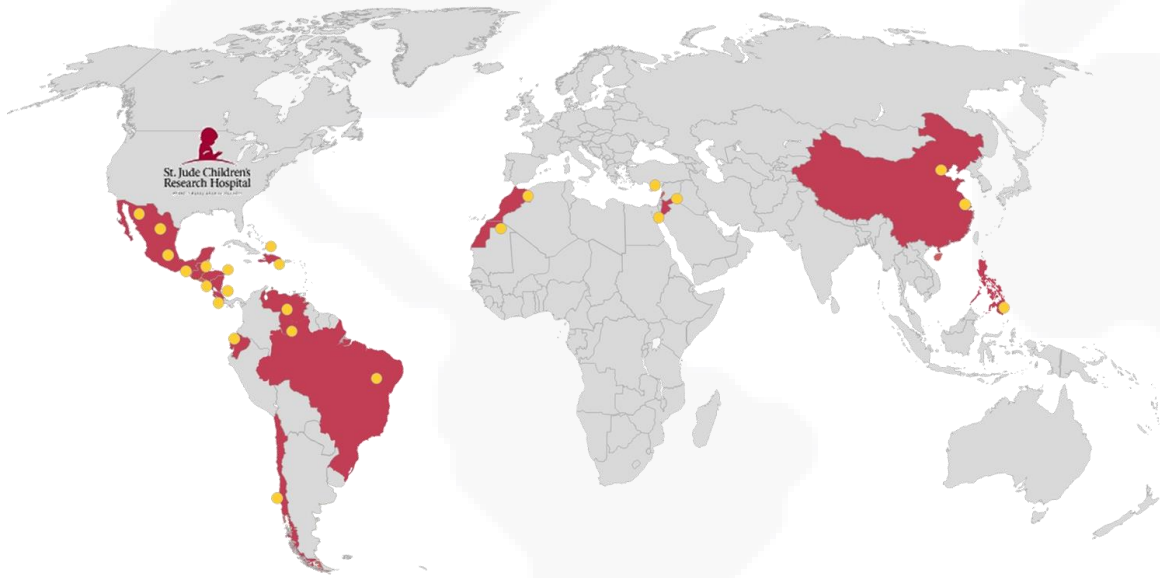
Methodology:

- Strategic planning → Collaborative workshops
- Design thinking
- Structured working groups
 - Health Systems
 - Patient Care
 - Education
 - Research
 - Advocacy and Resource Mobilization
- Key Stakeholders
 - Local leaders
 - Government/Hospital administrators
 - PAHO/WHO



St. Jude Global: Consolidación, Transformación y Expansión

2015



24 programs
17 countries

2018



7 regions
50+ programs



St. Jude Global

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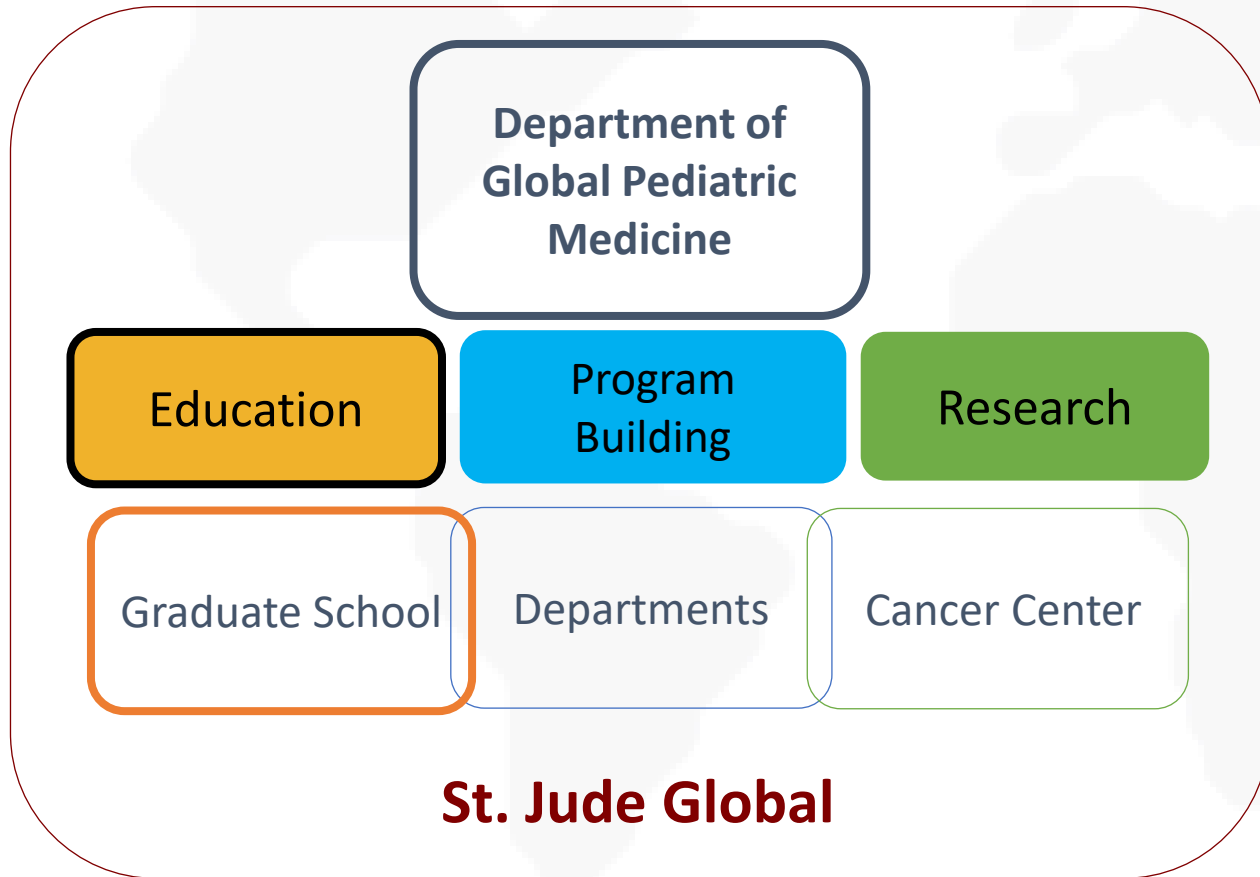
Education

Program Building

Research



St. Jude Global Educación



1. Global Health Track
2. St. Jude Global Fellows
3. St. Jude Global Professional Ed.
4. St. Jude Global Scholars
5. St. Jude Global Distance Learning



St. Jude Global Academy



St. Jude Global

St. Jude Global Strategic Goals

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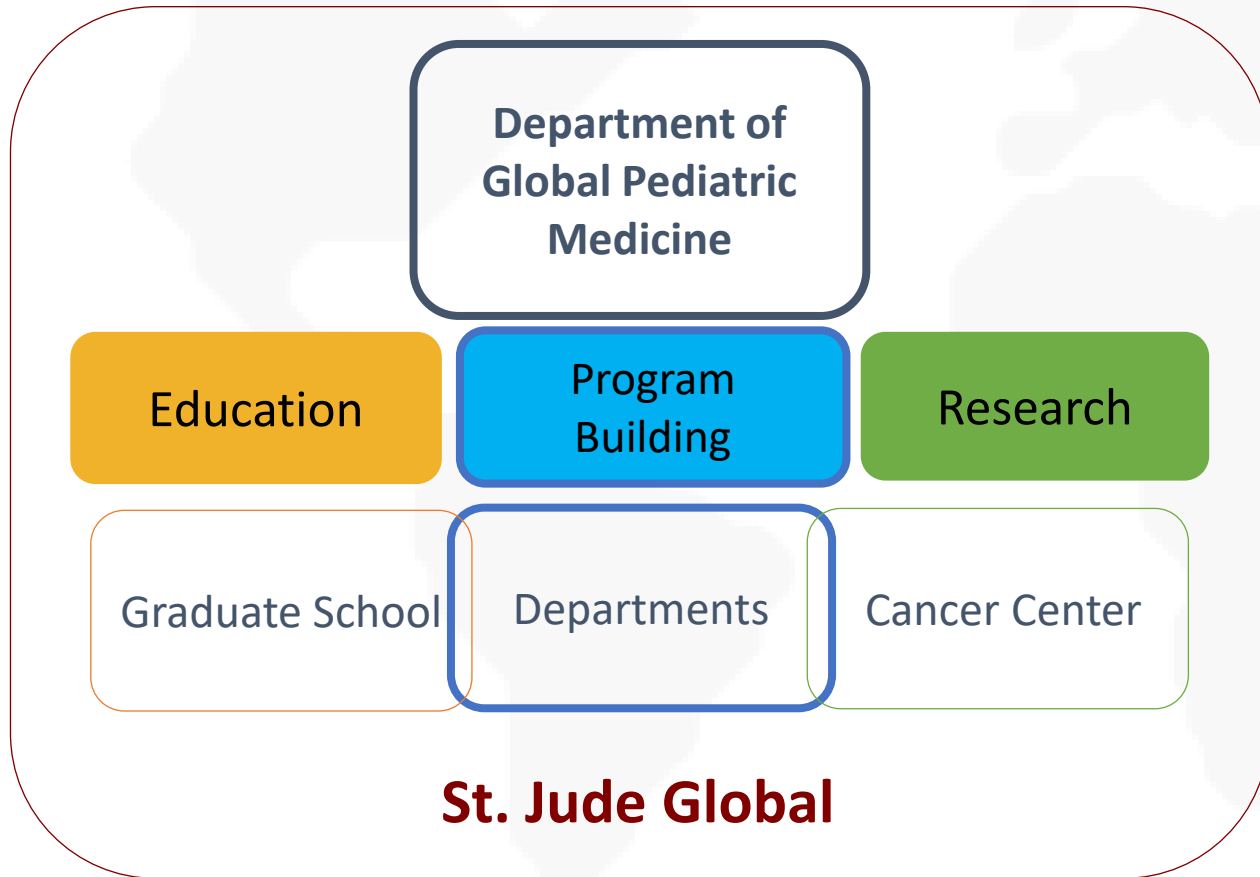
Education

Program Building

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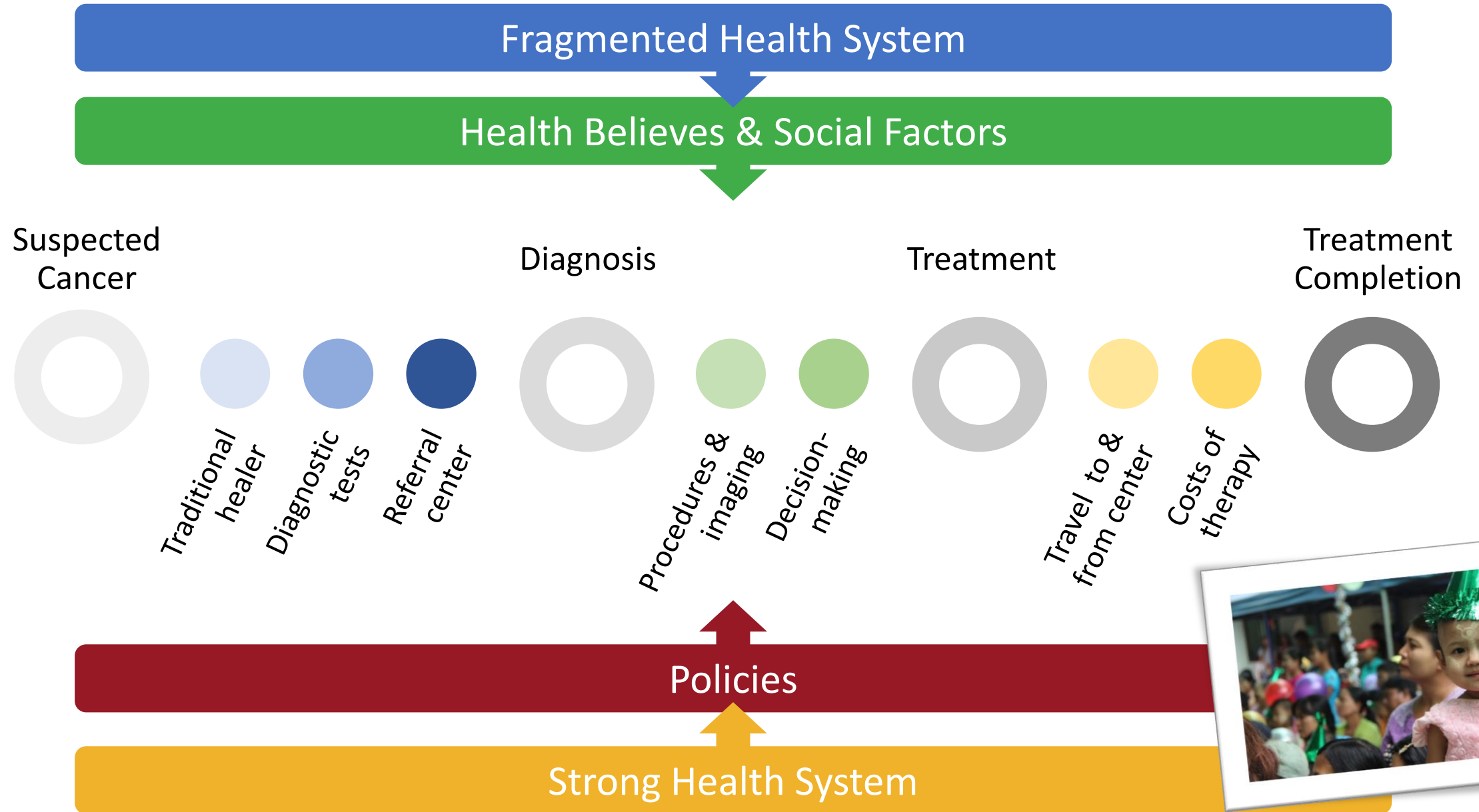
St. Jude Global formación de programas



Research Frameworks

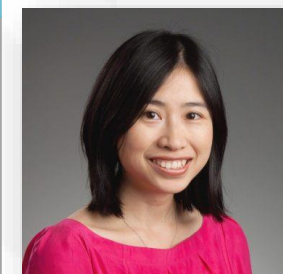
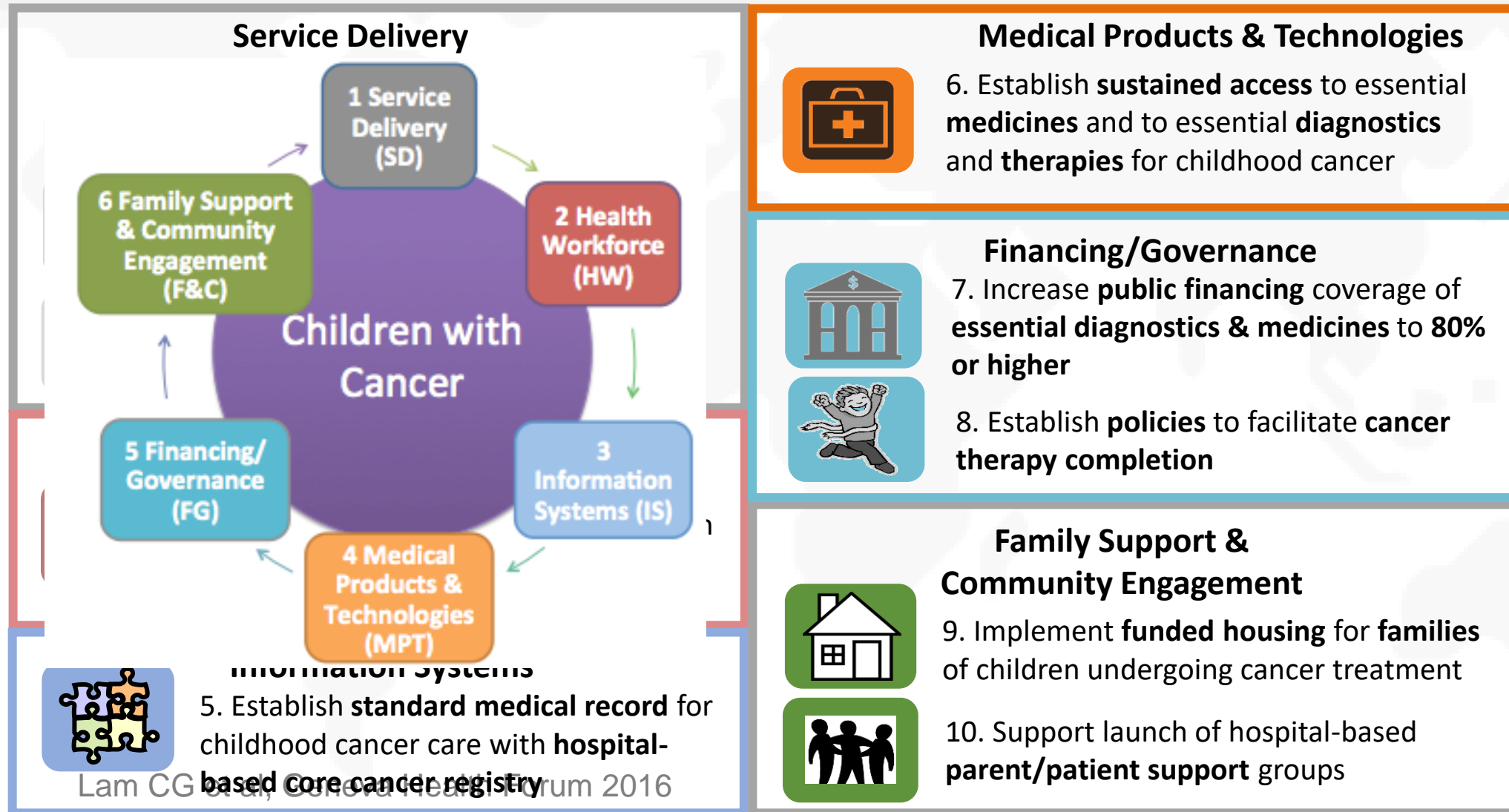


Reforzar los sistemas de salud: La trayectoria del paciente



Developing a Health Systems Framework for Childhood Cancer

Applied for Planning, Implementation, Monitoring and Evaluation



Cath Lam, MD, MPH



St. Jude Global

St. Jude Global Strategic Goals

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Program Building

Education

Research





St. Jude Global **SJCARES**

St. Jude Global Childhood Cancer Analytics Resource and Epidemiological Surveillance System

An Integrated Solution to Support Evidence-Based Pediatric Cancer Care Decision Making in Low- and Middle-Income Countries

REGISTRY 



PrOFILE



Systems Analysis



DIAGNOSIS

Cancer Epidemiology

TREATMENT

Quality Improvement

CONTEXT

Systems and Policies



Global Hospital-Based Cancer Registry Network



- 90% of variables standardized for all sites
- Core variables optimized for pediatrics
 - ICD-O-3 coding with mapped ICC3-3
 - Most variables align with CANREG/SEER codes
 - Pediatric staging per Toronto
 - Basic treatment data capture
 - Incorporated follow-up/abandonment recording
 - Systems for data checks
- Two “Toolkits” available
 1. Data dictionary designed for LMIC specifically
 2. Free cloud-based tool for data capture



Nickhill Bhakta, MD, MPH

St. Jude “Pediatric Oncology Facility Integrated Local Evaluation” Tool

Visualizing your path to optimal care delivery

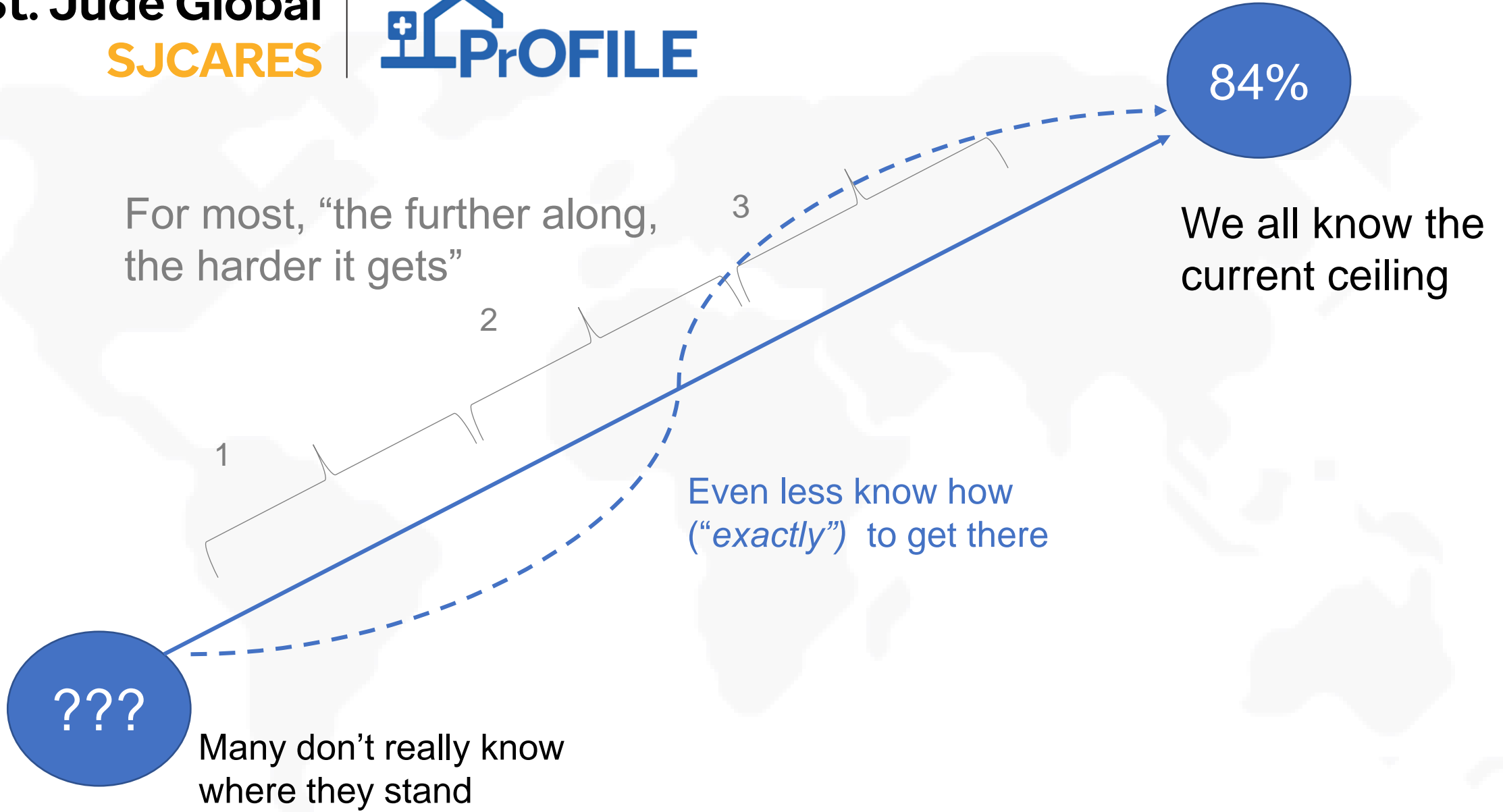


Dynamic 360° evaluation of health system-delivery that helps care teams and institutions committed to increasing childhood cancer survival define an improvement strategy

- Offers comprehensive, modular and guided institutional self-assessment
- Allows multiple stakeholders to identify and prioritize solutions to improve care locally
- Permits insightful benchmarking and local tracking of progress over time

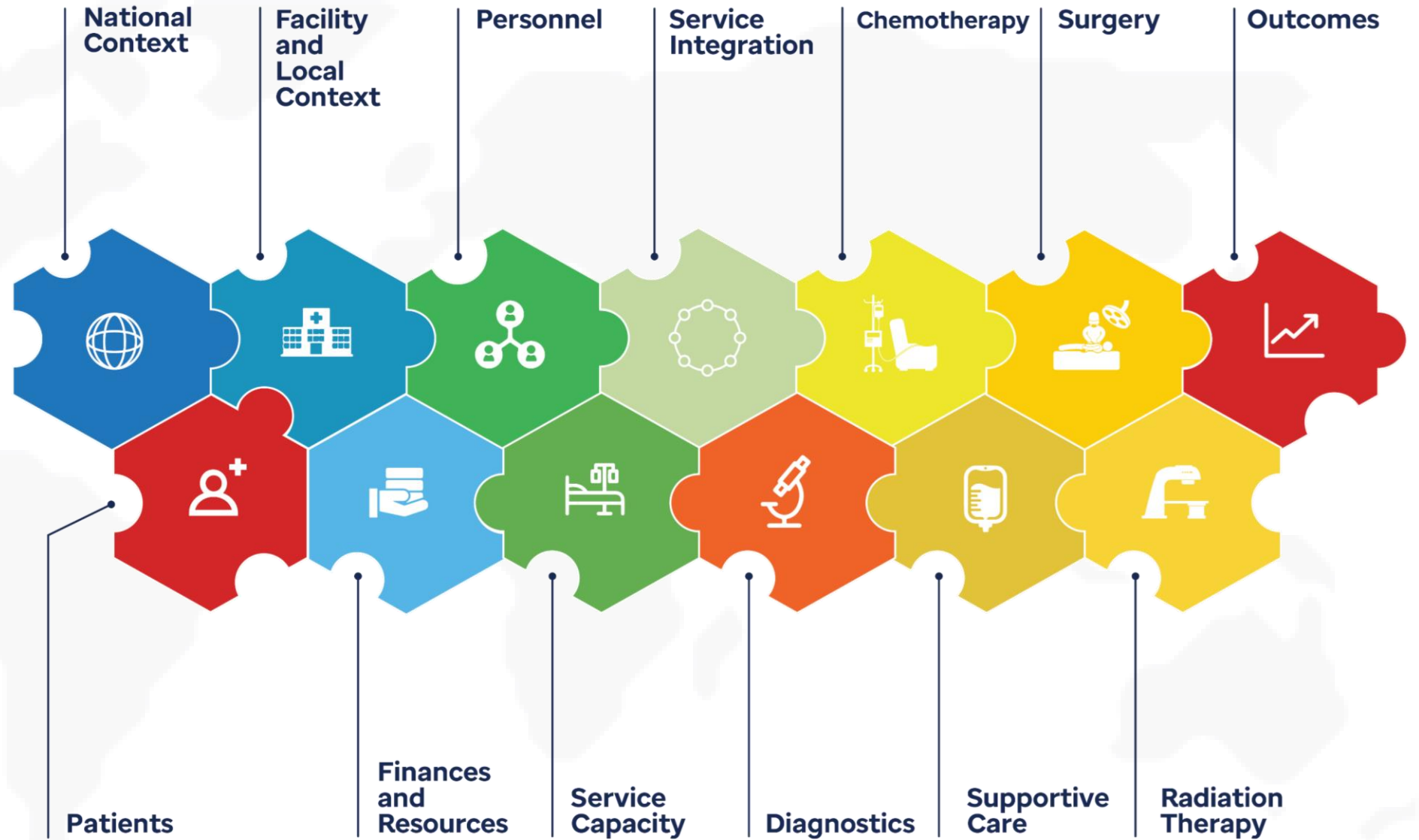


Paola Friedrich, MD, MPH



PrOFILE

Modules

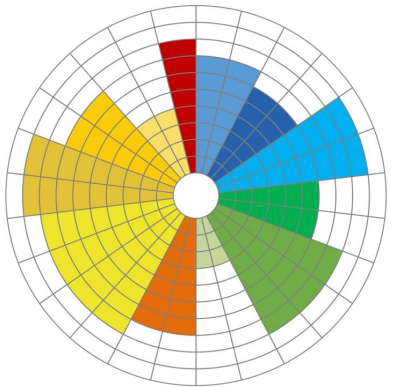


Visualizing your path to optimal care delivery



Expected outputs

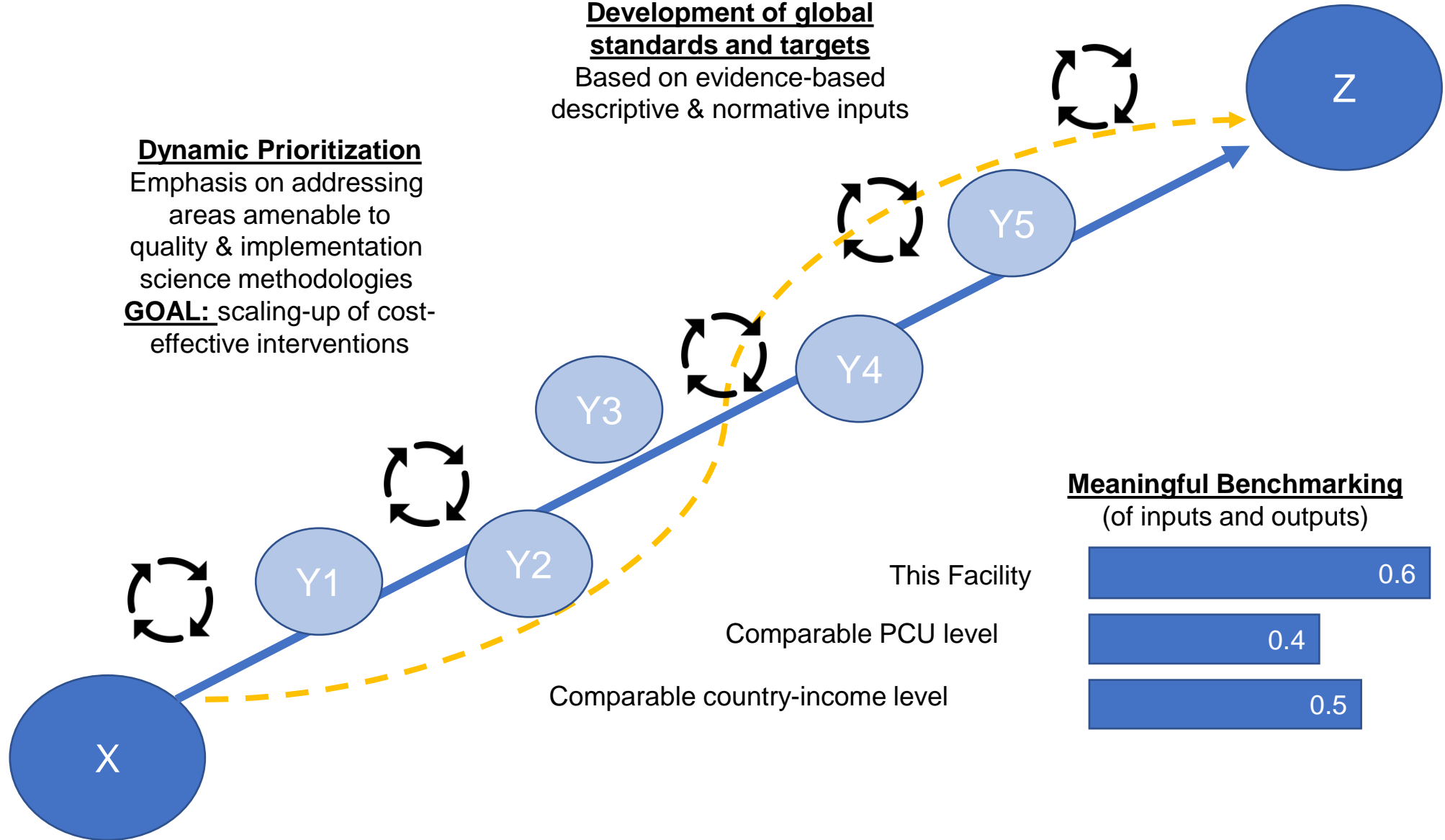
Comprehensive Baseline snapshot
("PHO level I-IV")



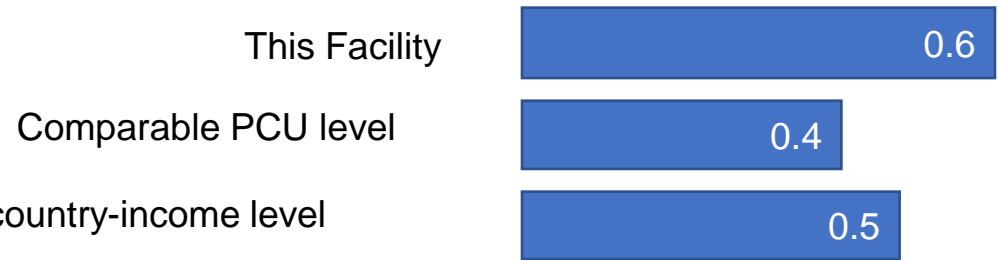
Dynamic Prioritization
Emphasis on addressing areas amenable to quality & implementation science methodologies
GOAL: scaling-up of cost-effective interventions

Development of global standards and targets
Based on evidence-based descriptive & normative inputs

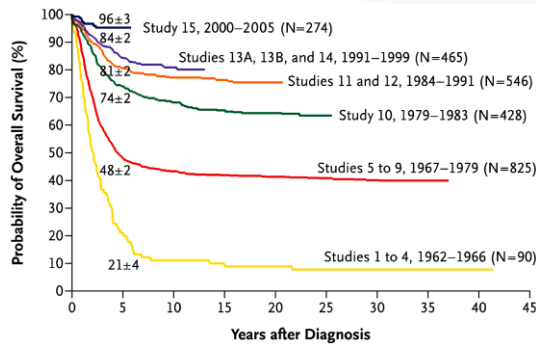
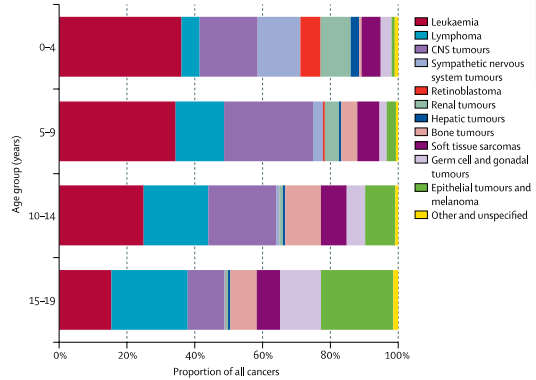
Generation of knowledge based on collective experience



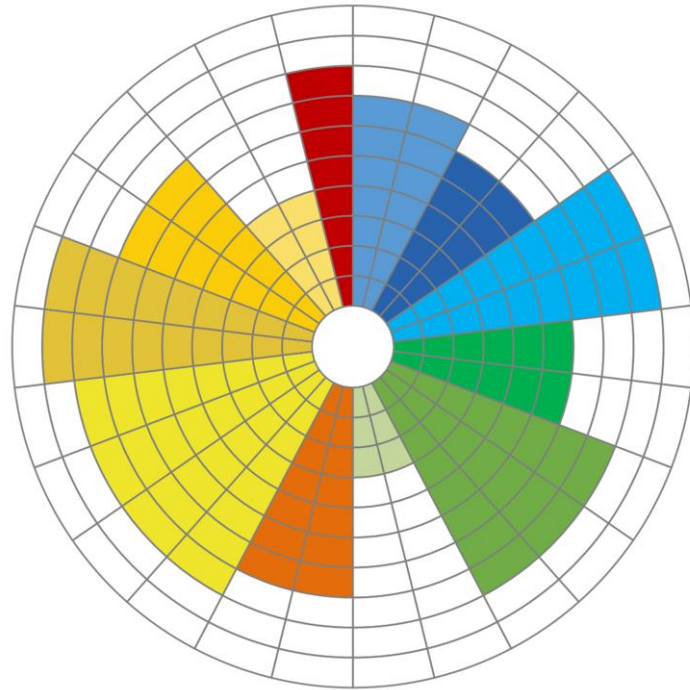
Meaningful Benchmarking
(of inputs and outputs)



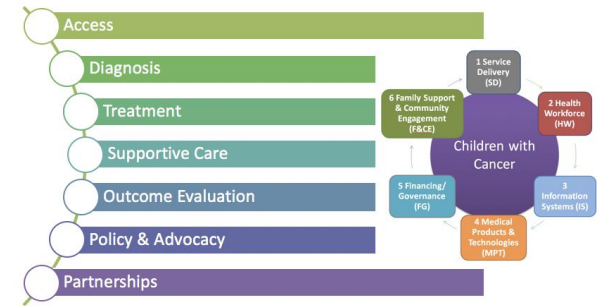
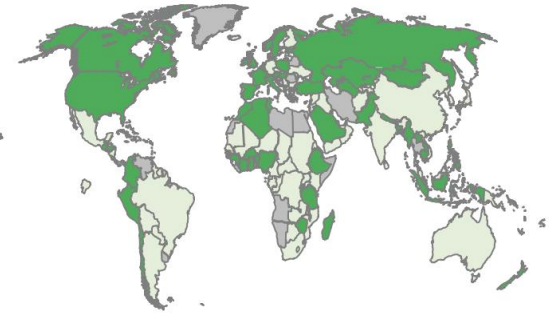
Cancer Epidemiology



Quality Improvement



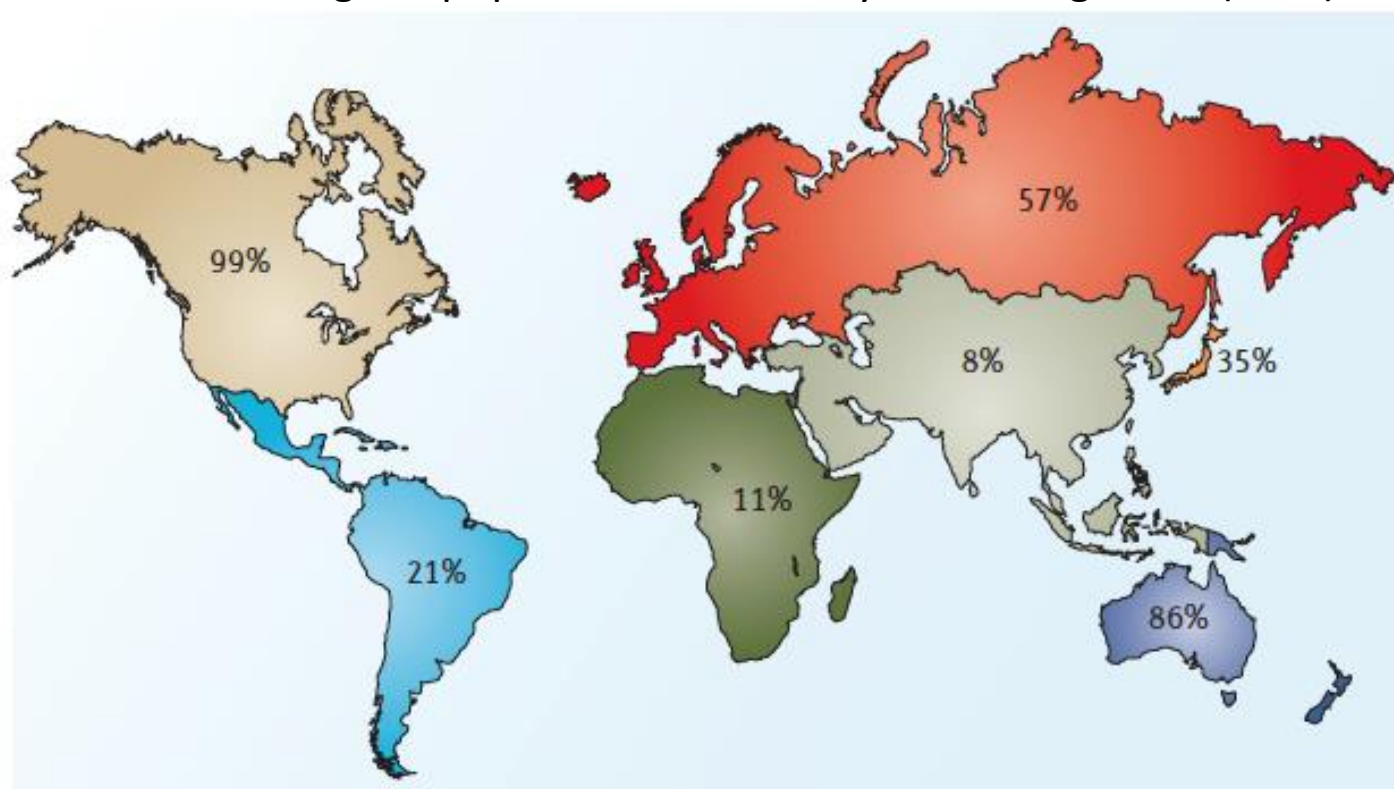
Systems & Policies



Global Burden of Childhood Cancer

CANCER – WHAT CANCER?

Percentage of population covered by cancer registries (IARC)



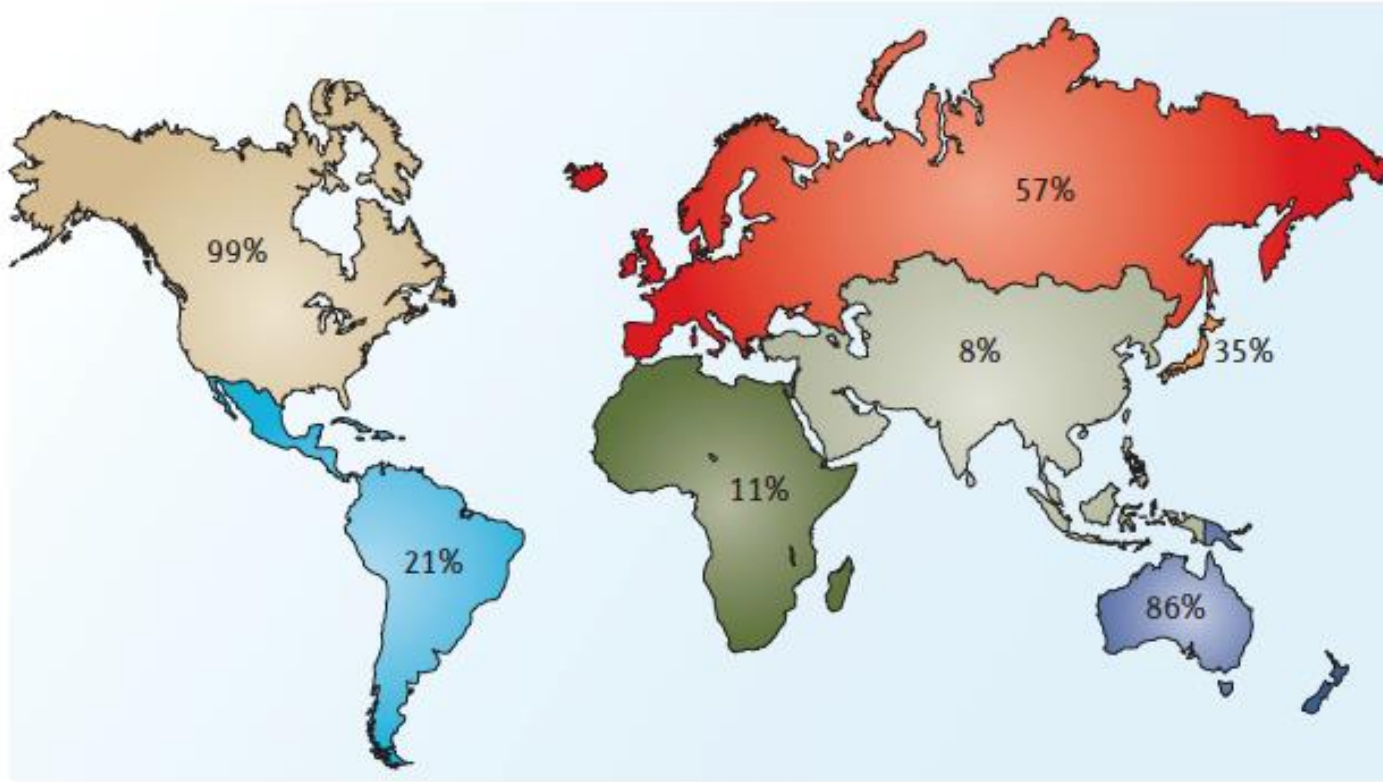
Parkin DM. Nat Rev Cancer 2006



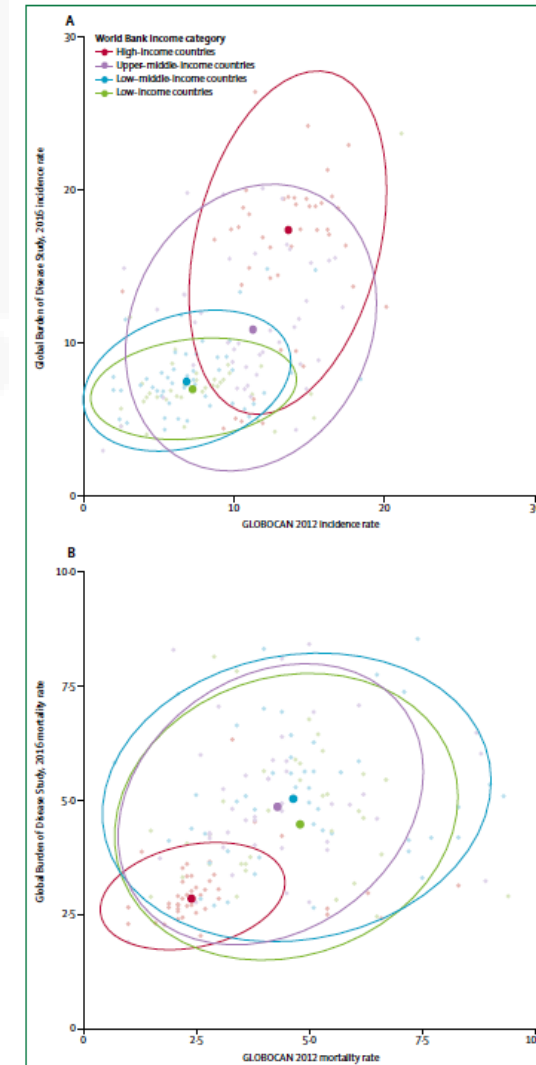
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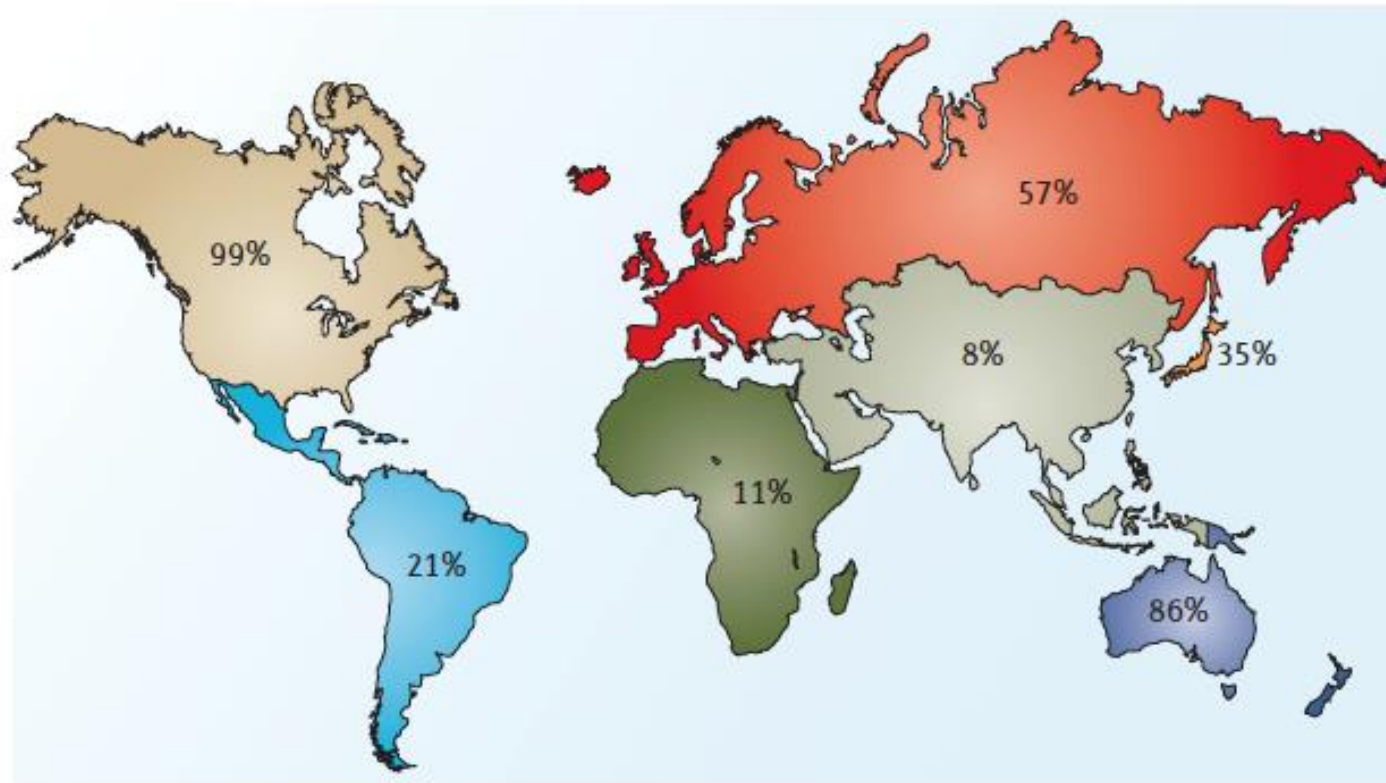
Bhakta et al.
Lancet Oncol 2019



Global Burden of Childhood Cancer

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Nickhill Bhakta, MD, MPH

St. Jude Global
SJCARES



IHME
Institute for Health Metrics
and Evaluation

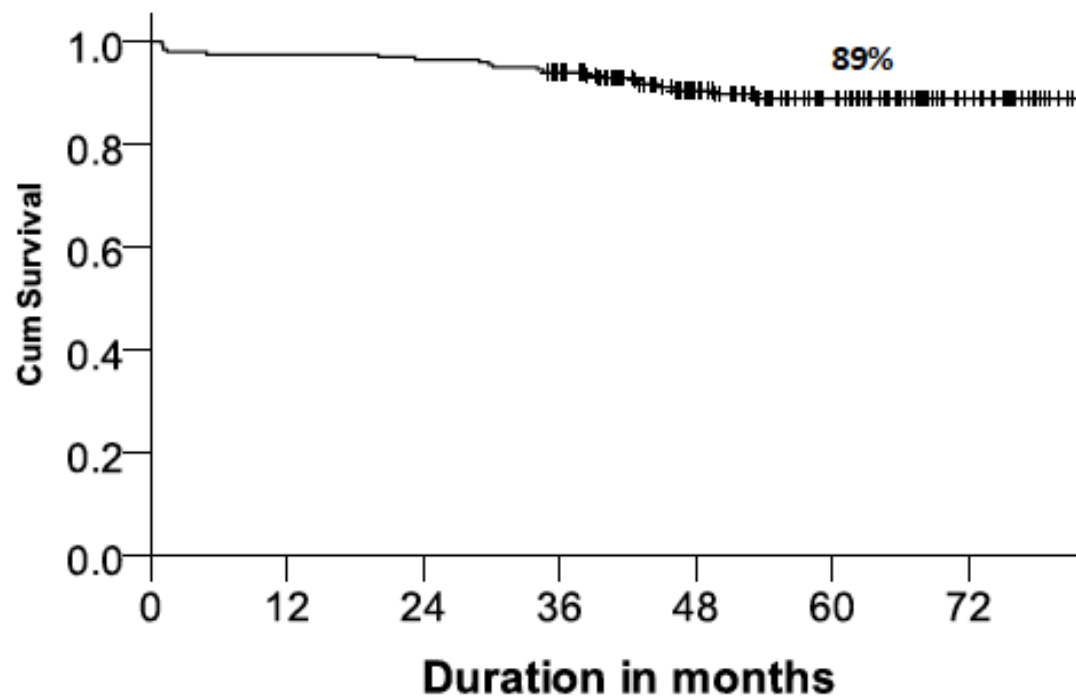
International Agency
Research on Cancer



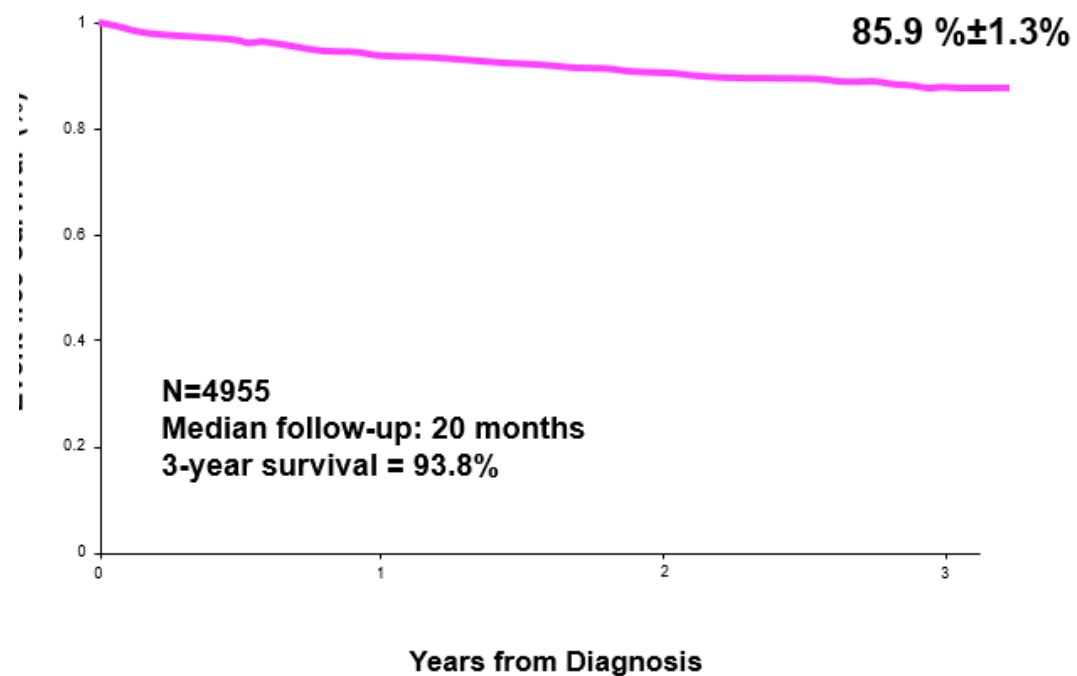
World Health
Organization



Context-Adapted Protocols



Egypt-VLR-2011



CCCG-ALL-2015





St. Jude Children's Research Hospital

ALSAC • Danny Thomas, Founder

Finding cures. Saving children.



World Health Organization



Department of Global Pediatric Medicine: First WHO Collaborating Centre for Childhood Cancer



**St. Jude Children's
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TOR 1: Support WHO in including childhood cancer in national cancer control plans through tools for prioritization, costing and framework for monitoring and evaluation

TOR 2: Support WHO in developing tools for health systems innovation diffusion and leadership engagement in childhood cancer management

TOR 3: Support WHO in strengthening childhood cancer control and management through technical support, as well as global and regional stakeholder engagement



**World Health
Organization**





World Health
Organization

BLUE SKY 2019

WHO Global Childhood Cancer Initiative

- **Five-year** St. Jude-WHO collaborative program to improve access to and quality of care for children with cancer worldwide.
- Synergizes technical and implementation expertise of **St. Jude Global and other Academic Groups and NGOs (working bottom-up** with pediatric oncology care providers globally) with the **authority of the WHO (working top-down** with governments, civil society, and leaders across health systems regionally and globally)
- Bridge critical gaps through achievements across three guiding goals:
 1. Increase access to care, via patient-centered efforts that will increase the **reach** of impactful interventions
 2. Establish a global quality framework, via health systems-centered efforts , that will increase the **magnitude** of the impact achieved
 3. Integrate childhood cancer into national policies and programs, via policy-centered efforts that will increase the **sustainability** of collective impact

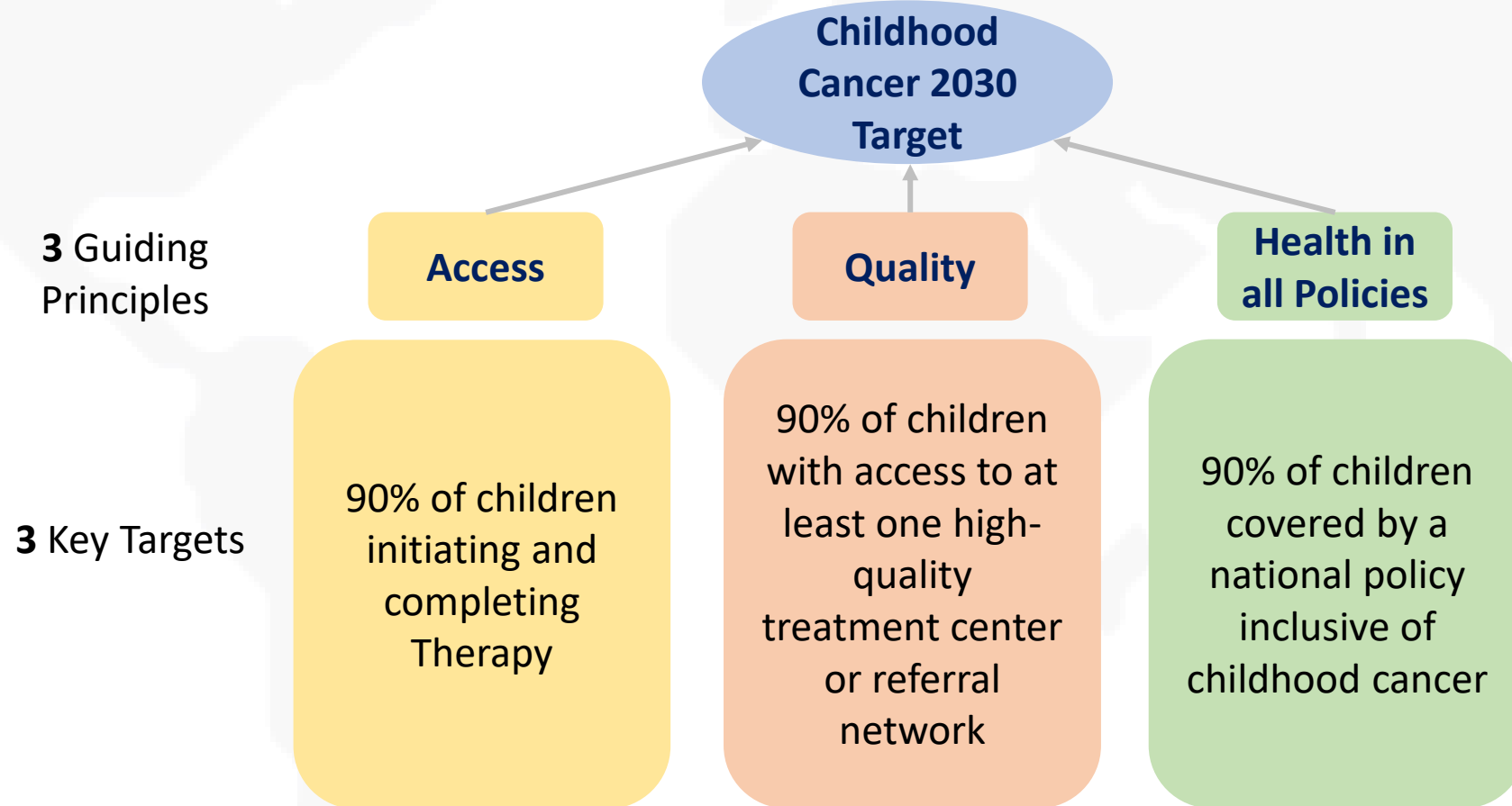
July 20, 2018



Global Initiative in Childhood Cancer



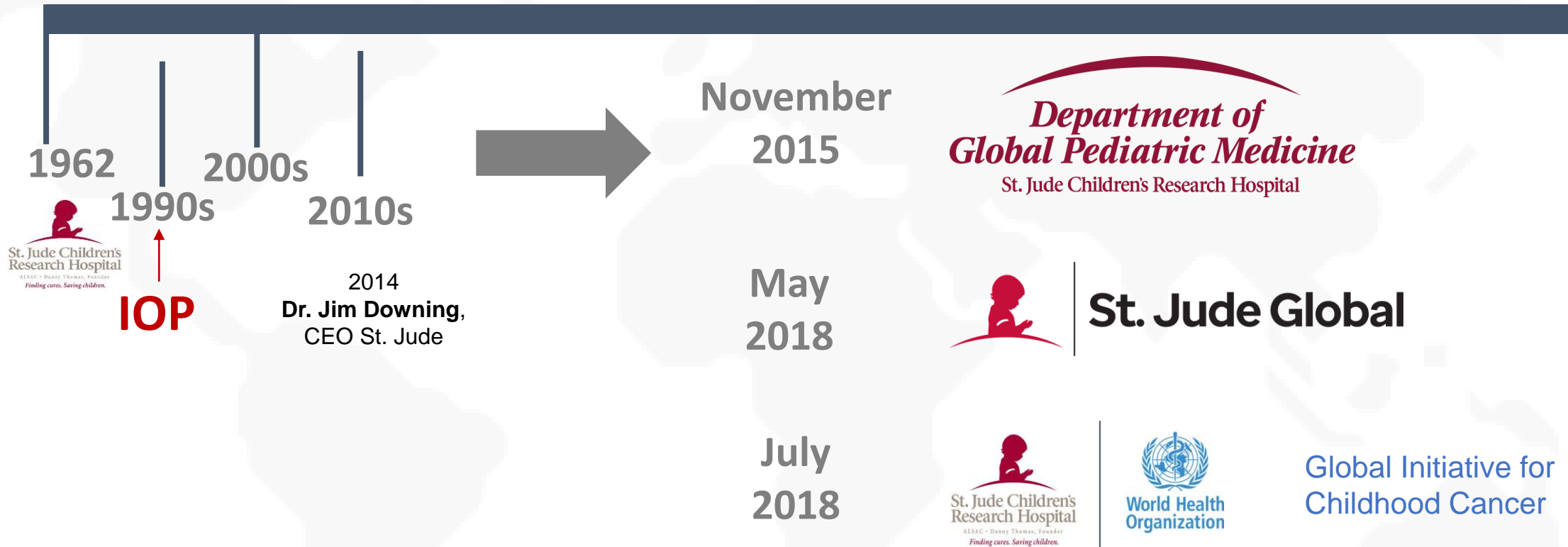
3 Guiding Principles & Key Targets



By 2030, ensure 60% survival for children with cancer globally



St. Jude Efforts to Reduce Global Disparities



**ENSURING A RIGHT TO CURE:
IMPROVING CHILDHOOD CANCER CARE
AND DECREASING GLOBAL SURVIVAL
DISPARITIES**

**FRIDAY • 28 September 2018
Noon – 1:30 PM**

**UN Headquarters
Conference Room 1
New York, New York 10011**

A United Nations General Assembly Side Event



Permanent Mission of
the Republic of
Uzbekistan to the
United Nations

Hosted by



Permanent Mission of the
Hashemite Kingdom of
Jordan to the United Nations

In partnership with



St. Jude Children's
Research Hospital
Advancing the Science of Saving Children



World Health
Organization



Permanent Mission of
El Salvador to the
United Nations



Permanent Mission of
the Republic of
Moldova to the
United Nations



Permanent Mission of
the Kingdom of Morocco
to the United Nations



Permanent Mission of
the Republic of
Philippines to the
United Nations

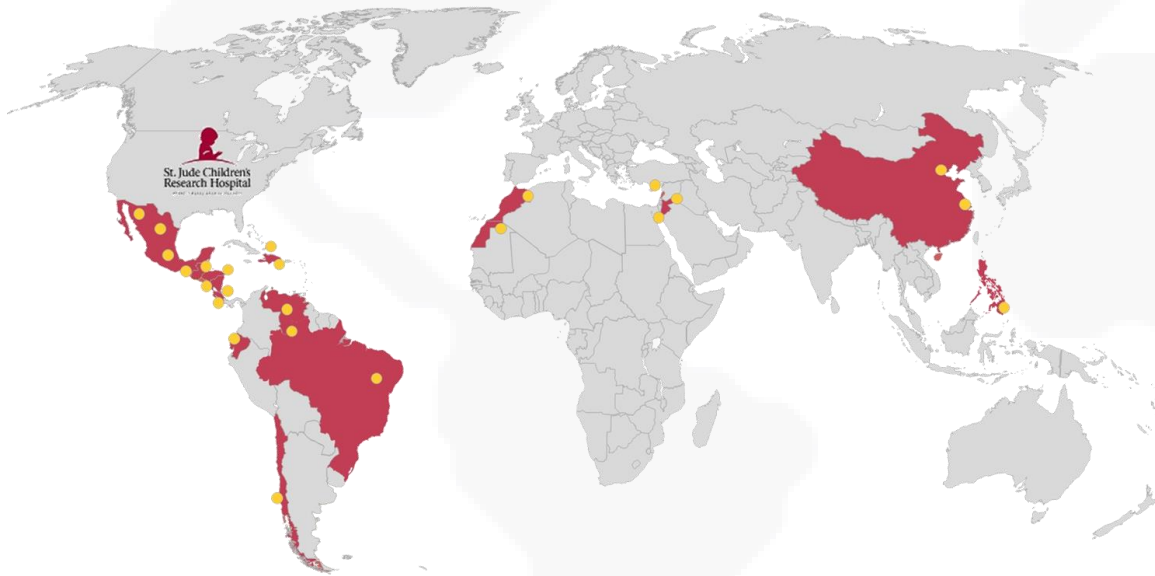


Permanent Mission of
the Russian Federation
to the United Nations



St. Jude Global: Consolidation, Transformation and Expansion

2015



24 programs
17 countries

2018



7 regions
50+ programs

St. Jude Global Alliance





St. Jude Global Alliance First Annual Meeting
Memphis, TN
December 6-8, 2018

Taking **St. Jude**
to the World

St. Jude Global's mission is to improve the survival rates of children with cancer and other catastrophic diseases worldwide through the sharing of knowledge, technology and organizational skills.



St. Jude Global Alliance First Annual Meeting
Memphis, TN
December 6-8, 2018



St. Jude Global Alliance

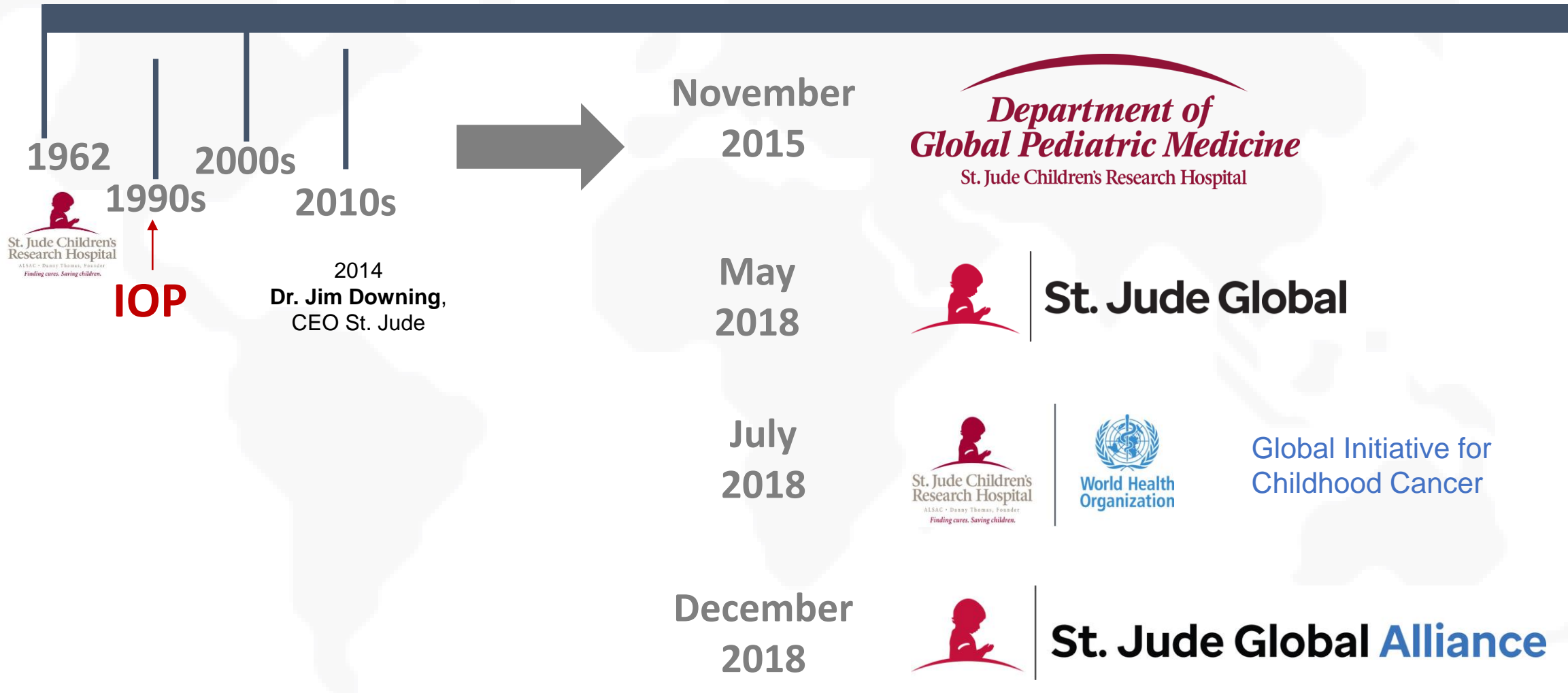


St. Jude Global Alliance First Annual Meeting
Memphis, TN
December 6-8, 2018

167 participantes
123 instituciones
52 países



St. Jude Efforts to Reduce Global Disparities



“No child should die in the dawn of life”

Danny Thomas, Founder

“Finding cures. Saving lives.”



“For every child. Everywhere.”





St. Jude Global

CENTRAL AND SOUTH AMERICA

