

# The Hospital For Sick Children



TELEMEDICINE

**SickKids**

# Telemedicine Services

## Clinical Consultations



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# Telemedicine Services

## Education Sessions



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# Telemedicine Services

Administrative / Research



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# Key Professionals



**Dr. Fraser Golding,**

Medical Director, Telemedicine Program  
Staff Cardiologist,  
Operational Director Echocardiography

# Key Professionals



Dr. Joao Luiz Pippi Salle

Head, Division of Urology,  
Professor, Department of  
Surgery, University of Toronto

# Key Professionals



## Dr. John Wedge

Orthopaedic Surgeon.

Dr. Wedge is an international authority on complex surgical hip reconstruction in adolescents and has published widely in this area. He is also Associate Dean, Clinical Affairs at the University of Toronto and Professor in Department of Surgery.

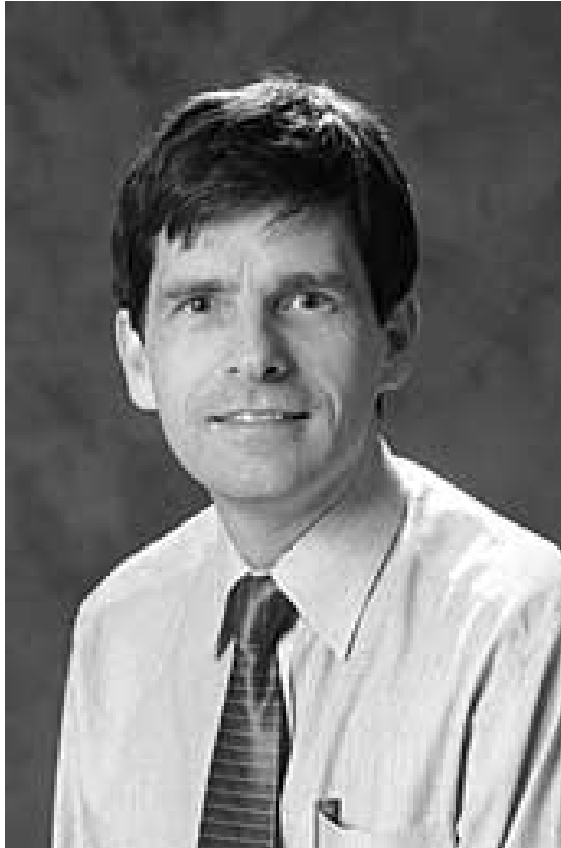
# Key Professionals



## Dr. Jacob Langer

Head General Surgery. Clinical and Research interests include neonatal and fetal surgery, minimally invasive paediatric surgery, and the management of complicated gastrointestinal problems in children. Widely published on these and other topics. Professor of Surgery at the University of Toronto.

# Key Professionals



## Dr. Andrew Redington

Division Head Cardiology and Senior Associate Scientist in Cardiovascular Surgery at the Research Institute. Research interests include congenital heart disease, and the pathophysiology of late postoperative functional decline. He has written more than 150 peer reviewed publications, more than 20 book chapters, and has co-edited six books. Professor Paediatrics at the University of Toronto

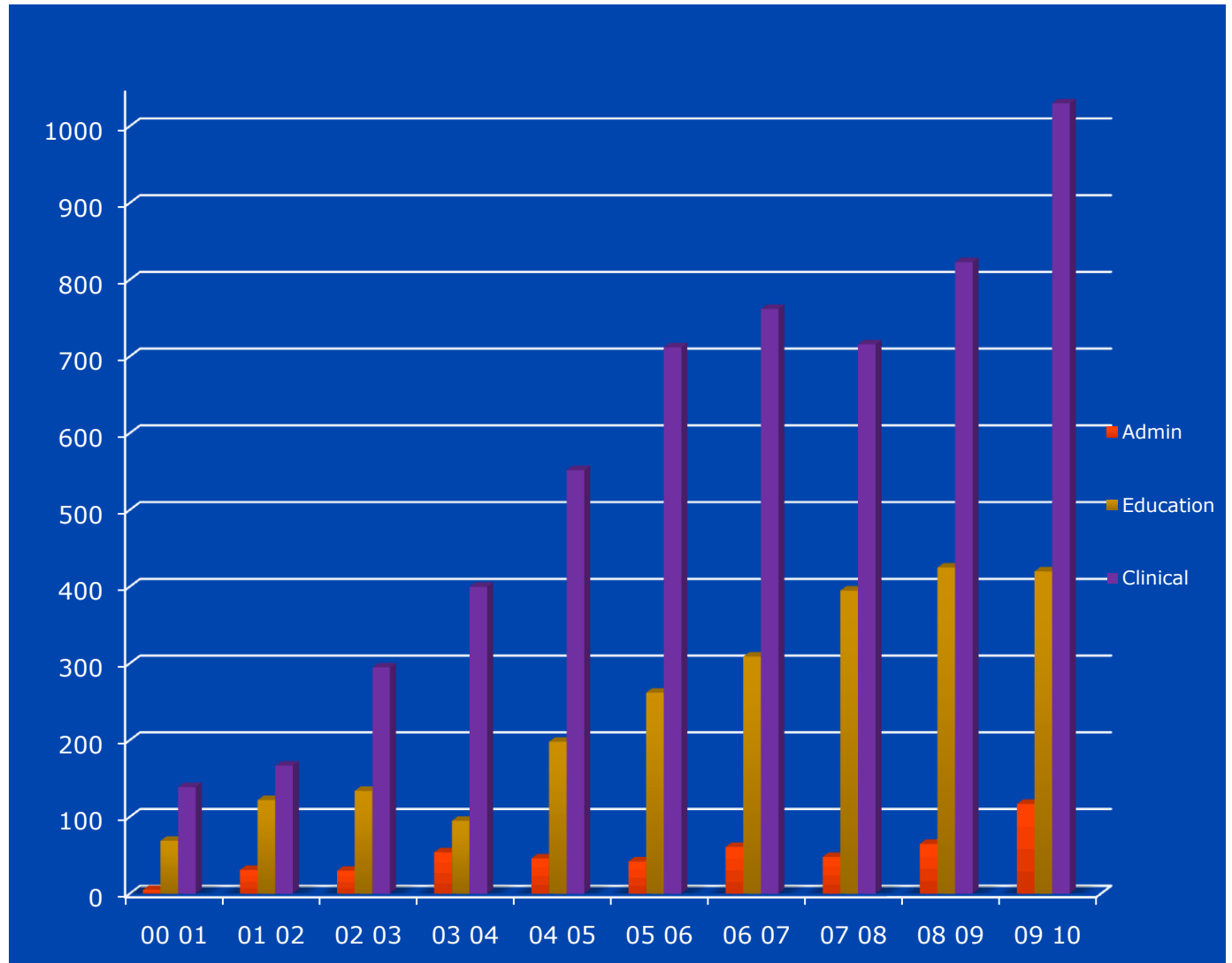
# Key Professionals



**Dr. John Doyle**

Head of the Blood and Marrow (Stem Cell) Transplantation Program. Training Program Director in the Division of Hematology-Oncology. Associate Professor at the University of Toronto.

# Activity Statistics



# Program Utilization

Adolescent Medicine	Neonatology
Anaesthesia	Neurology
Allergy and Immunology	Neurosurgery
Child Development	Oncology
Cardiology	Ophthalmology
Child Abuse and Neglect	Organ Transplant
Dermatology	Orthopaedics
Endocrinology	Otolaryngology
GI/Nutrition	Plastic Surgery
General Surgery	Psychiatry
Genetics	Respiratory Medicine
Nephrology	Urology

# Program Utilization

Adolescent Medicine

Anaesthesia

Allergy and Immunology

Child Development

**CARDIOLOGY**

Child Abuse and Neglect

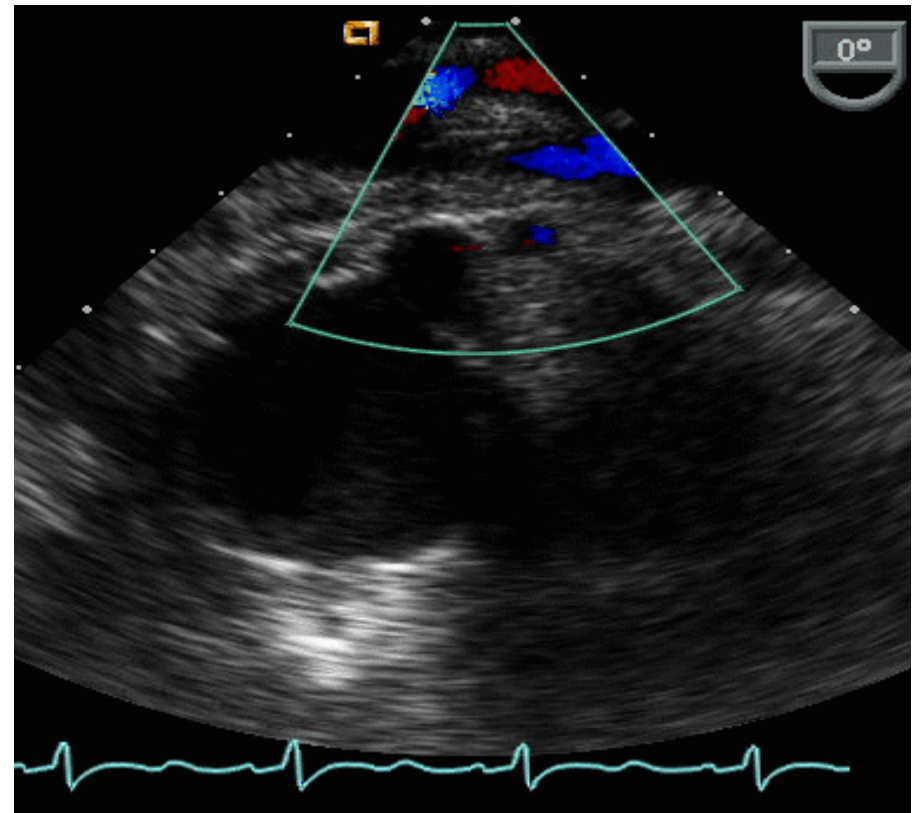
Dermatology

Endocrinology

GI/Nutrition

General Surgery

Genetics



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# Program Utilization



Neonatology

Nephrology

**NEUROLOGY**

Ophthalmology

Organ Transplanopaedics

Otolaryngology

Plastic Surgery

Psychiatry

Respiratory Medicine

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# Program Utilization

Neonatology

Neurology

Neurosurgery

Oncology

Ophthalmology

**UROLOGY**



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# Innovations

## Cardiology Suite



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# Innovations

Cost effective wall mounted units for smaller groups



# Innovations

## Multi Media Lecture Theatre



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# Innovations

High Efficiency Mobile Units



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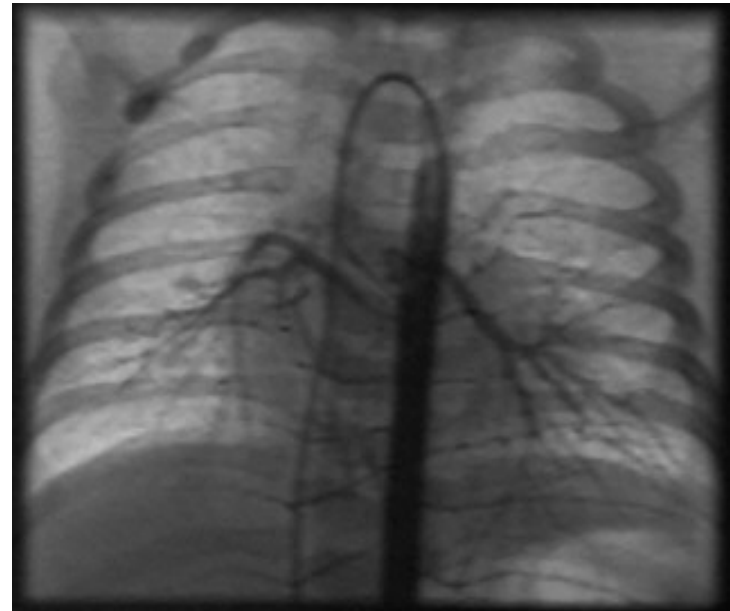
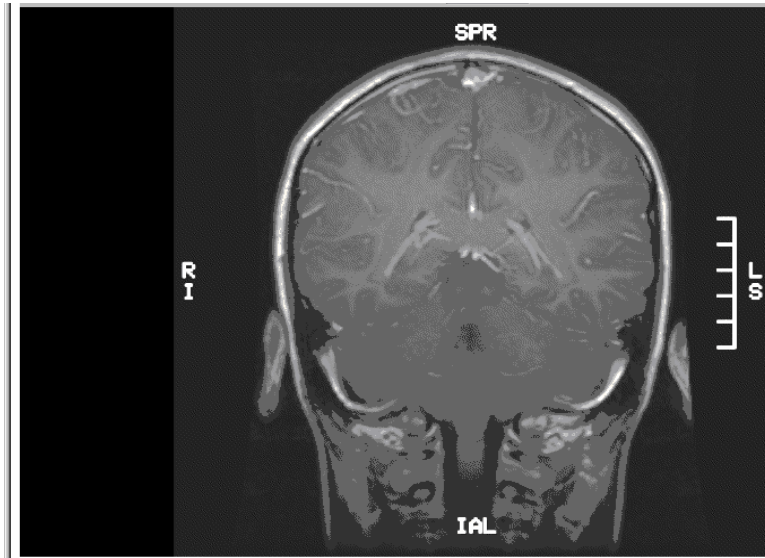
# Applications



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# Applications



# International Undertakings



## International Telemedicine Links



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# National Undertakings



## Canadian Telemedicine Links



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# Interprofessional Education Rounds

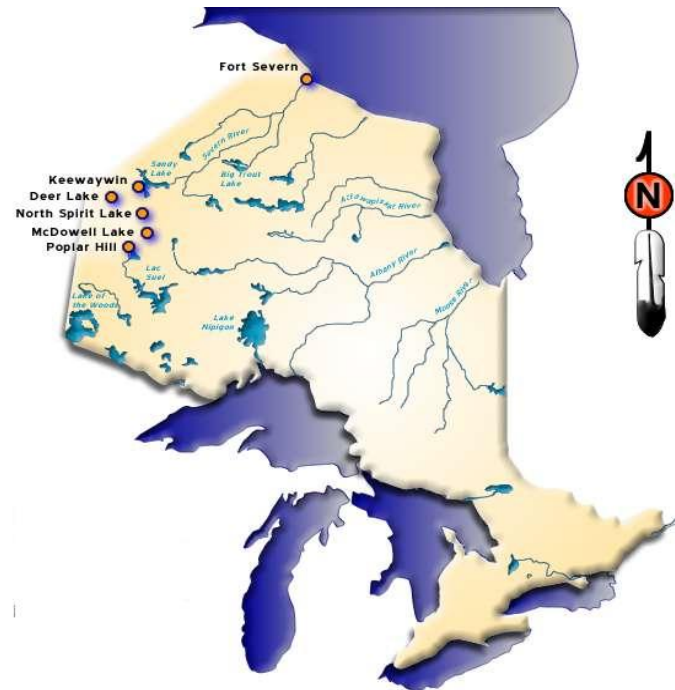
Now common place and facilitates the participation of all members of the healthcare team.



# Interprofessional Education Rounds

Now common place and facilitate all members of the healthcare team to participate.

Keewaytinook Okimakanak region in Northern Ontario links regularly for Adolescent medicine rounds. Isolated nurse practitioners, social workers and public health nurses are able to discuss issues specific to their patient population with the Team at SickKids.



# Interprofessional Education Rounds

Speech-Language Pathology rounds, with participation from provinces across Canada includes physicians, nurses, speech therapists and occupational therapists.

The Suspected Child Abuse and Neglect Program at SickKids links monthly with satellite centers throughout Ontario and Halifax on the East coast of Canada. These education rounds involve physicians, nurses, social workers, psychologists, community health providers, and child protection workers.



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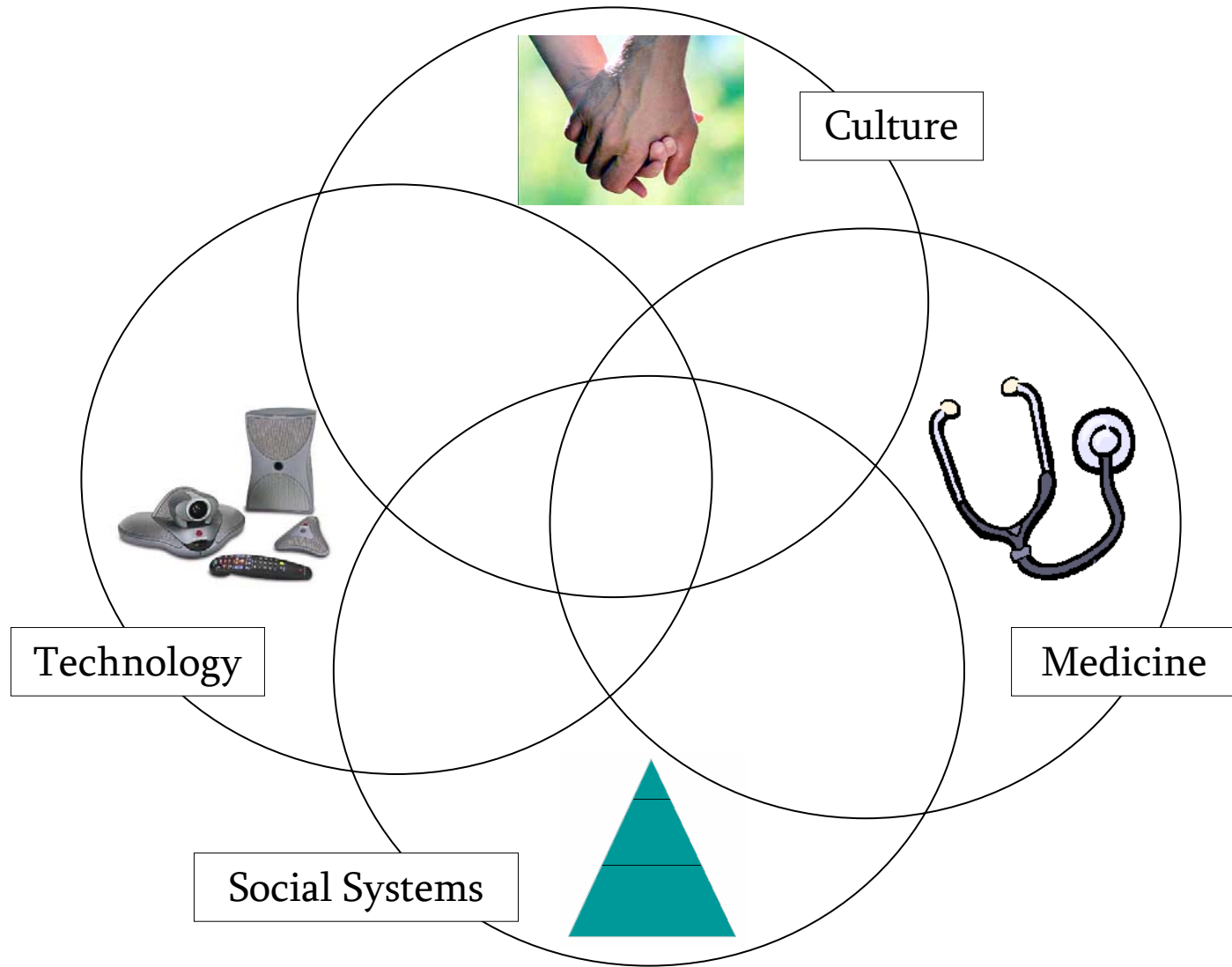
Requested to provide regular connection to our Nursing Grand rounds and Cardiology rounds by Great Ormond Street Hospital in UK and St Augustine Campus in Trinidad.



# Areas of Collaboration

Successful International Telemedicine  
Projects involve the integration of  
technology, medicine, social systems and  
culture.

# Areas of Collaboration



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# Areas of Collaboration



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-Provided quality paediatric care to families through “real time” consultations

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- The President of Trinidad His Excellency Professor George Maxwell Richards is the patron of the Telemedicine Project.



# Areas of Collaboration

## Trinidadian Project

- Reduced costs for local families by avoiding unnecessary travel abroad for pre-admission assessments, and reduced turn around time of the medical review process.
- Strengthened training and increased the expertise of sub specialists locally and in doing so assisted in the provision of appropriate post operative and ongoing care available in their home country
- Promoted academic exchange and stimulated and promoted the exchange of research in paediatric specialties.

# Future Collaboration

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Involved with International Partners to overcome distance barriers and provide a venue for exchange of clinical and research expertise.

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By utilizing Telemedicine as an extension of our existing International Patient Program, it is our hope that we will continue to help improve health care for children Locally, Provincially, Nationally and Internationally.

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By utilizing Telemedicine as an extension of our existing International Patient Program, it is our hope that we will continue to help improve health care for children Locally, Provincially, Nationally and Internationally.

By transcending geographical barriers we are putting the best medicine has to offer, within everyone's reach.