An Executive Presentation
for

Internet2 Member Meeting
African Regional Interest Group

APRIL 29, 2010

Medical Missions for Children
Global Telemedicine and Teaching Network
Our Mission:

To Improve Medical Outcomes for critically-ill children throughout the world
and

Elevate the level of Medical Knowledge that exists within the global healthcare community

Our Platform:

Global Telemedicine and Teaching Network

(GTTN)
MMC Program Activities

MMC Telemedicine Outreach Program (TOP)

First Telemedicine Consult – March 20, 2000
Location: Panama  Case Presented: 5-year boy with a Cranial deformity

Most Recent Consult
Location: Armenia  Case Presented: 7-year old girl with Medulloblastoma (Brain Injury)

MMC Medical Broadcasting Channel (MBC)

First Day of Satellite Broadcasting – November 15, 2005
Location: Six Latin American Countries  Broadcast Frequency: 3 hours/day, 3 days/week

Today’s Broadcasting Capabilities
Location: More than 90 Countries  Broadcast Frequency: 24 hours/day, 7 days/week

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MMC Activities (continued)

MMC Global Video Library of Medicine (GVLM)

VideoBank Digital Asset Management System – 2006

Video Content Acquisition: Harvesting Video Content from the Int'l Medical Community

Video Assets are Stored in Multiple Formats: MPEG2, Flash 8.0, WMV

Launch of MMC Video-on-Demand Service – July 1, 2010

MMC Giggles Children’s Theater (Giggles)

First Curtain Call – February 10, 2005

Two Locations: St. Joseph’s Children’s Hospital and The Children’s at NIH

Live Performances: Tuesdays and Thursdays

Total Performances to Date: 553 (446 and 87)
MMT-Panasonic HDTV Studios

Opened on July 1, 2009

Reception  HD Studio  Control Room  V.O. Booth

**MMC Video Production Series**

**Plain Talk About Health** – Hosted by Former U.S. Secretary of Health and Human Services, Tommy Thompson

**Tomorrow’s Medicine Today** – Hosted by Former NIH Director, Dr. Elias Zerhouni

**Take Care** – Hosted by CBS Medical Correspondent, Dr. Max Gomez

**In Session** – Hosted by Former WNBC-TV news reporter, Aimee Nuzzo (College Mental Health Series)

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MMC Telemedicine Outreach Program

Key Developments

• Videoconferencing End-Point Technology in more than 100 Children’s Hospitals throughout the world and in 27 Pediatric Medical Centers here in the U.S. has served as the platform for the treatment of more than 30,000 sick children.

• Development of a formal agreement between the World Bank, Polycom and MMC in 2006 resulted in the merger of the Global Distance Learning Network (GDLN) with the GTTN enhancing the reach and capabilities of both networks and aligning the interests of the academic and medical communities within the Latin American and Caribbean Region more closely.

• Introduction of the first true High-Definition Video Conferencing platform between Medical Centers (St. Jude Children’s Cancer Research Hospital and St. Joseph’s Children’s Hospital) using Polycom HDX technology and the Internet 2 broadband platform.

Current Prospects for Africa

• The launch of two new telemedicine outreach program TOP sites in Morocco – Hôpital d’Enfants in Casablanca and Mohammed VI Children’s Hospital in Marrakesh.

• Collaboration with the Biamba Marie Mutombo Hospital and Research Center in Kinshasa, Democratic Republic of Congo to provide both telemedicine consultative support and ongoing physician training