Medicines and More: Fighting AIDS in Children in Developing Countries

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HIV Having a Devastating Effect on Children

- 2.1 million children under 15 years living with HIV
- More than 350,000 children becoming newly infected with HIV/AIDS each year
- 15 million children in sub-Saharan Africa are estimated to have lost one or both parents to AIDS; 25 million worldwide

Source: 2010 UNICEF estimates
Our Approach

Improve the health and well-being of children and families affected by HIV/AIDS

• Engaged in the fight against HIV/AIDS for more than 25 years
• Invested more than $200 million to combat AIDS in the developing world

How We Work

• Focusing on developing countries hardest hit by HIV
• Applying core expertise to solve problems
• Providing HIV products
• Partnering with governments, NGOs and community organizations
• Targeting critical areas of need
• Establishing sustainable and replicable models
• Driving results
• Sharing key learnings
Our Partners

Romania
- Baylor International Pediatric AIDS Initiative

Africa
- Academic Model Providing Access to Healthcare (Kenya)
- Baylor International Pediatric AIDS Initiative
- Catholic Medical Mission Board (Kenya)
- Elizabeth Glaser Pediatric AIDS Foundation (Uganda)
- Faraja (Tanzania)
- Initiative Privee Et Communautaire De Lutte Contre (Burkina Faso)
- Partners In Health (Malawi)
- Touch Foundation (Tanzania)

India
- MAMTA
- PRAYAS
- Palmyrah Workers’ Development Society
- Vasaya Mahila Mandal

A Focus in Four Key Areas

Access to Testing and Treatment
Preventing Mother-to-Child Transmission
Strengthening Health Systems
Supporting Children Affected by HIV/AIDS
Snapshot of Our Results

• More than 120 million HIV tests distributed
• More than 1.6 million children and families assisted
• More than 44,000 health workers trained
• Innovative and replicable models
  – Pediatric treatment and care
  – Integrated voluntary counseling and testing
  – Legal assistance for women and children
  – Home-based counseling, testing and care

Expanding Access to HIV Testing and Treatment

• Providing HIV medicines at significantly reduced prices
• Provided more than 110 million rapid HIV tests
  – Results in 15 minutes, without electricity or lab equipment
• Distributing in Africa and Least Developed Countries through:
  – Governments
  – NGOs
  – Companies
  – Private Clinics
Preventing Mother-to-Child Transmission of HIV

• More than 1.2 million HIV-positive mothers give birth each year in Africa; most do not know HIV status
• More than 300,000 children newly infected each year in Africa
• Donating rapid HIV tests
• To date, donated nearly 16 million rapid HIV tests
• Estimated number of infections of children averted: 137,820

Increasing Access to Pediatric Formulations of ARVs

• Antiretrovirals (ARVs) are developed for adults, most clinical trials are in adults, with doses and dosage forms designed for adults, but children cannot be dosed like small adults
• Treatment of children integral to Abbott's HIV research
  – Conducted clinical studies of its protease inhibitor (PI) HIV medicines in children at same time as it studied them for adult use and brought both formulations to market simultaneously
• Provided its PI liquid formulations at lowest price of any PI liquid formulation in Africa, including both branded and generic PIs
• Lower-strength tablet formulation of its PI is the only co-formulated protease inhibitor tablet that can be used in children
  – Do not require refrigeration; can be taken with or without a meal
  – The WHO recommends lopinavir/ritonavir (LPV/r) as the preferred treatment for children who no longer respond to first-line HIV medicine
Regions Participating in 25 Active Clinical Trials Evaluating the Use of LPV/r
Focus: children or pregnant women for PMTCT

- Studies might be represented in several countries
- Abbott supporting 12/25 studies involving LPV/r

Advancing Pediatric AIDS Treatment

- HIV/AIDS is having a devastating effect on children in developing countries
- More than 1.6 million children and families received services since 2001
- Abbott Fund’s work includes:
  - Advancing treatment for children with AIDS
  - Support for children affected by AIDS
Advancing Pediatric AIDS Treatment: The Baylor Model

• Why Romania?
  – Romania has more than half of all pediatric HIV/AIDS cases in Europe
  – Only country in world with more pediatric than adult HIV/AIDS

• Abbott Fund supported Baylor College of Medicine in establishing a model outpatient pediatric HIV clinic in resource-poor setting; opened first Baylor clinic in April of 2001 in Constanta
  – HIV treatment
  – Psychosocial support
  – Residential care
  – Community education

Advancing Pediatric Treatment: Outcomes in Romania

• Mortality rate in Constanta for HIV+ children decreased by more than 90% in three years
• In-patient hospitalizations for HIV complications decreased by 90%
• More than 600 children and families receiving treatment
• Clinic is now “family” center serving children, young people and adults
Advancing Pediatric AIDS Treatment: Expanding a Successful Model

- Baylor model being replicated throughout developing world
  - Botswana, Lesotho, Malawi (Abbott Fund), Swaziland, Uganda, Tanzania, and Kenya (2011)
  - Tanzania: two new clinics opening in November 2010 in Mbeya and Mwanza (Abbott Fund is underwriting construction of clinic in Mbeya; BMS Foundation in Mwanza)
    - 10,000 children will likely receive care and treatment in first 3 years in new clinics
    - New clinics’ operating expenses supported by 5-year $22.5 million grant from PEPFAR/USAID
  - ~20,000 individuals receiving counseling and testing services per month network-wide
  - 80,000-plus (33,500 on ACTIVE HAART) children, young people & their family members have received care and treatment

Advancing Pediatric AIDS Treatment: Tanzania

- Working with Tanzania Ministry of Health, USAID, CDC and private sector donors, Baylor’s primary goals in Tanzania include:
  - Strengthening pediatric services through provision of and scale-up of comprehensive family-centered pediatric HIV/AIDS prevention, care and treatment services
  - Expanding case finding for children who are HIV-positive through strengthened pediatric HIV/AIDS counseling and testing using family-centered approach
  - Increasing number of skilled health care workers with capacity to provide comprehensive pediatric care and treatment services, both through formal short and long-term training, clinical mentoring, and quality enhancement initiatives
  - Addressing national policy issues related to provision of pediatric care and support for HIV-positive children on a platform of general pediatric care
  - Strengthening national systems, abiding by Govt of Tanzania requirements, and identify methods to transition programs to local entities over the long-term to ensure sustainability
The BIPAI Network Today

• Since 2005, BIPAI has experienced significant and rapid growth, receiving more than $63 million in grants and contracts from various donors, including:
  - National Institutes of Health (NIH), Centers for Disease Control and Prevention (CDC), United States Agency for International Development (USAID)
  - United Nations Children’s Fund (UNICEF)
  - More than $55 million from private and corporate foundations

• BIPAI has developed its Network of Children’s Clinical Centres of Excellence and satellite clinics in eastern and southern Africa through public-private partnerships, including investments of:
  - $30M in pediatric healthcare infrastructure construction and renovation
  - $28M in the Pediatric AIDS Corps (consisting of mostly American medical specialists in Pediatrics, Internal or Family Medicine) to build pediatric health professional capacity
  - $5.5M in direct BIPAI Network operational support.

• BIPAI is now one of the world’s largest university-based programs dedicated to global pediatric HIV/AIDS care and treatment, health professional training, monitoring, evaluation and operational research.

Supporting Children – Community-Based Programs

• Programs in Tanzania and India
• Partnering with governments and non-governmental organizations
• Community-based model programs provide health care, education and social services
• Innovative models being replicated in multiple communities
  – Paralegal program
  – School health programs
  – Child-led support groups
• Stigma reduction initiatives
  – Women’s and children’s support groups
  – Home-based care
  – Vocational skills
Other NGOs Stemming the Tide of Pediatric AIDS

- Working with **AMPATH** (the Indiana University-Moi University, Kenya Partnership) in Kenya to prevent HIV infections through testing and counseling (primarily home-based), education and treatment; 20% of AMPATH’s 100,000 HIV patients are under 18 years of age

- Working with **Catholic Medical Mission Board (CMMB)** to help prevent mother-to-child HIV transmission in over 140 health facilities in seven provinces in Kenya; testing, care and treatment provided to pregnant women and exposed infants

- Working with **Elizabeth Glaser Pediatric AIDS Foundation (EGPAF)** in Uganda to accelerate enrollment of HIV-infected children into care and treatment programs, and to train and support health care workers; EGPAF Uganda just received a 5-year $32.5 million grant to continue its work with children with HIV/AIDS

- Working with **Partners In Health (PIH)** in Malawi to scale up and improve pediatric HIV services and constructed a new 40-bed hospital

Building for the Future

**Building upon this foundation, Abbott Fund will continue to:**

- Expand existing successful models in the community
- Increase and improve mainstream treatment for children and families
- Help create supportive environment for people affected by HIV within their communities
Thank You