



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

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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



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Our Partners



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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

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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

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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

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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



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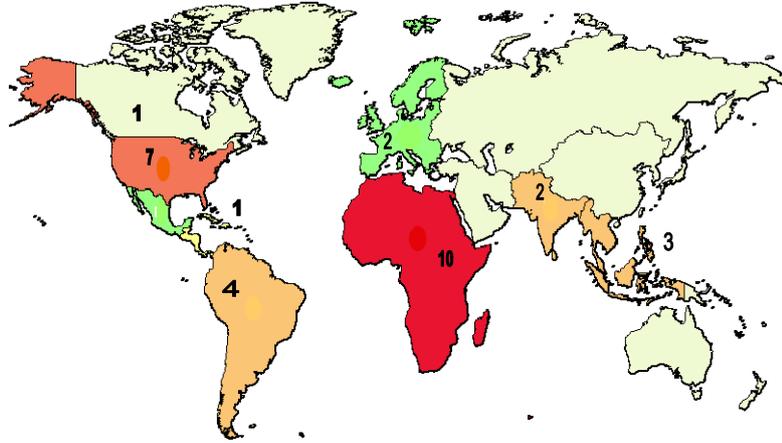
Increasing Access to Pediatric Formulations of ARVs

- 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

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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

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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



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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



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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



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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

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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

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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

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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

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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

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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

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Thank You

