RESULTS

- 6,107 of data included ART between October 2009 and October 2012 (Figure 5).
- The large majority of children were in Africa and South America (84.3%); 71% at the end of follow-up (South America) (Table 5).
- Two thirds of children were aged less than 5-year at the end of follow-up. Among children with 0.5 on 0.5, isolated ART regimen differed notably by region: rates of children in South America, Africa, and Europe (Table 6).

CIPHER NETWORK

- CIPHER is the Consortium Initiative for Paediatric HIV Education and Research.
- Individual-level data were pooled from 12 paediatric HIV cohorts:
  - BPPC: Baylor Pediatric HIV/AIDS Initiative
  - EPFAD: European Pediatric and Paediatric HIV Care Collaboration
  - IAS: International Antiviral Society
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METHODS

- Inclusion criteria:
  - ≥12 years of age in cohort (presumed/confirmed infection)
  - ≥12 years of age; alive, and on ART at the last recorded visit

- Exclusion criteria:
  - No follow-up after ART start
  - Enrolled in a trial at the time of treatment monitoring, switch on intervention strategy
  - Follow-up on ART in cohort and excluded multiple leads off (e.g., switch to NRTI-based strategy)

- Follow-up on ART in cohort and excluded multiple leads off (e.g., switch to NRTI-based strategy)

- The main cohort used a cohort database plus data from ART databases of individual countries.
- The analysis was conducted in each country to ensure that the data was consistent with the cohort data.
- The results were then pooled to provide a more accurate estimate of the effectiveness of ART across different regions.

SUPPORTING MATERIAL

- Table 1: Characteristics at time of ART initiation
  - Total children in dataset: 1074
  - Perinatally infected and ever started ART: 603
  - Started on ART: 587
  - Mortality (per cohort): 103

- Table 2: Factors associated with switch to second-line ART
  - Factors contributing to switch to second-line ART
  - Treatment failure:
    - NNRTI, PI
  - Mortality:
    - Mortality

- Figure 4: Cumulative incidence of switch to second-line ART

- Figure 5: Viral load at switch

REFERENCE


ACKNOWLEDGEMENTS

- This study was supported by the National Institutes of Health (NIH) under grant number U01 HD052102. The content is solely the responsibility of the authors and does not necessarily represent the official views of the NIH.

- The PENPACT, the CIPHER Durability of first line project team, and the Global Cohort Collaboration Oversight Group are thanked for their support.

- The authors would like to acknowledge the following institutions and organizations for their contributions to the study:
  - Baylor Pediatrics: Central Texas, Dallas, Houston, San Antonio, Austin, and Galveston, Texas, USA
  - University of Cape Town Faculty of Health Sciences, Cape Town, South Africa
  - Southern Medical University, Guangzhou, China, and Universidad de los Andes, Bogota, Colombia
  - Universidade Federal de Minas Gerais, Belo Horizonte, Brazil
  - Indiana University School of Medicine, Indianapolis, IN, USA

- The authors would like to thank all the children and their families who participated in the study, as well as the healthcare providers who cared for them.

- The authors would also like to thank the governmental and non-governmental organizations that supported the study, including the United States President’s Emergency Plan for AIDS Relief (PEPFAR) and Médecins Sans Frontières (MSF).

- The authors would like to acknowledge the support of the following organizations:
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