

# UNAIDS Reference Group on Estimates, Modelling, and Projections

## Paediatric Meeting | 18 October 2024

South African time (GMT+2)

Time	Duration (mins)	Topic	Presenter(s)
14:00	15	<ul style="list-style-type: none"> <li>Welcome and introductions</li> <li>Review of 2024 estimates and pending challenges</li> <li>Meeting objectives</li> </ul>	Mary Mahy
14:15	5	Overview of Spectrum child model	John Stover
<b>Session 1: Estimating births to women living with HIV (chair: Jeff Imai-Eaton)</b> <b>Objectives:</b> <ul style="list-style-type: none"> <li>Consider updates to Spectrum's default ART retention rates among pregnant women</li> <li>Review availability of routine ANC testing data in concentrated epidemic settings and recommend on suitability of using routine ANC testing prevalence for estimating prevalence among pregnant women</li> <li>Review fertility adjustments in concentrated epidemics</li> </ul>			
14:20	15	Comparing Spectrum fertility rates among women on ART to results from survey in Cambodia	Ye Yu Shwe
14.35	10	Availability of routine ANC data, coverage of ANC testing, and local fertility adjustments in concentrated epidemics	Eline Korenromp
14.45	20	Discussion	
15.05	10	ART retention among pregnant women	Eline Korenromp
15.15	20	Discussion	
<b>Session 2: Estimates of children newly infected with HIV (chair: Cari van Schalkwyk)</b> <b>Objectives:</b> <ul style="list-style-type: none"> <li>Consider updates to default Spectrum vertical transmission rate from: <ul style="list-style-type: none"> <li>Updated systematic review</li> <li>Proposed meta-regression model approach to data synthesis</li> </ul> </li> <li>Assess impacts of ART regimen class on vertical transmission rate for women on ART during pregnancy</li> </ul>			
15.35	15	Systematic review of mother-to-child transmission rates and comparison of results with Spectrum	Michelle Bulterys/ Maggie Walters
15.50	30	Discussion	
16.20	10	BREAK	

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<b>Session 3: Estimates of children living with HIV including those on treatment (chair: Mary Mahy)</b> <b>Objective:</b> <ul style="list-style-type: none"> <li>Review impact of default treatment interruption on age distribution at ART initiation</li> </ul>			
16.30	15	Treatment interruption among children: <ul style="list-style-type: none"> <li>Overview of adoption of 5% default in 2024 Spectrum files</li> <li>Review impact of new defaults on age distribution at ART initiation</li> </ul>	Maggie Walters
16.45	20	Discussion	
<b>Session 4: Mortality of children living with HIV, with and without ART (chair: Leigh Johnson)</b> <b>Objectives:</b> <ul style="list-style-type: none"> <li>Assess whether varying Spectrum MTCT or off-ART mortality rates improves consistency with observed AIDS deaths by age among children from vital registration</li> <li>Review impact of adjusting <i>off-ART</i> mortality for child ART coverage in countries with vital registration data</li> <li>Review Spectrum on-ART mortality compared to estimates from systematic review</li> </ul>			
17.05	15	Systematic review of child on-ART mortality	Jiawei He
17.20	20	Discussion	
17.40	20	Mortality in settings with good vital registration data: <ul style="list-style-type: none"> <li>Compare Spectrum results for (1) child AIDS deaths and (2) child HIV diagnoses/ART initiations by age vs. vital registration data and case surveillance</li> <li>Sensitivity of Spectrum results when varying MTCT or off-ART mortality rates</li> <li>Impact of decreasing <i>off-ART</i> mortality as child ART coverage increases in countries with VR data</li> </ul>	Anna Yakusik  Anna Yakusik  John Stover
18.00	20	Discussion	
18.20		CLOSE	