

# UNAIDS Reference Group on Estimates, Modelling, and Projections

Technical Updates, 9-12 October 2023

**All times are GMT+2 (Stellenbosch, South Africa)**

**Monday 9 October:**

Time	Duration (mins)	Topic	Presenter(s)/ Lead Discussant
14.00	15	Welcome and introductions; 2023/24 estimates round: process and timelines	Mary Mahy
14.15	5	Meeting objectives and recommendation review	Cari van Schalkwyk
<b>Session 1: Key Populations data synthesis in sub-Saharan Africa (chair: Jeff Imai-Eaton)</b> <b>Objective:</b> <ul style="list-style-type: none"> <li>• Recommendations on use of the Triangulator in KP estimates process in SSA</li> <li>• Review data on PSE trends and urban/rural PSE ratios</li> </ul>			
14.20	60	The Aggregator – extending the Triangulator to synthesize subnational key population size estimates	Carl Corcoran
15.20	30	PSE over time: multi-country analysis of trends, numbers, and proportions <ul style="list-style-type: none"> <li>• KP workbook data</li> <li>• GAM</li> </ul>	Oli Stevens Sonia Arias-Garcia
15.50	10	BREAK	
16.00	50	Urban/rural PSE ratios <ul style="list-style-type: none"> <li>• PHIA surveys</li> <li>• Collated data</li> <li>• Network scale-up method PHIA in Nigeria/Cote d'Ivoire</li> </ul>	Salome Kuchukhidze Oli Stevens Anne McIntyre
16.50	30	Recommendations for the SSA KP data collection workbook <ul style="list-style-type: none"> <li>• New tab for PSE from programme reach/targets/mapping</li> <li>• Proposed use of the <i>Aggregator/Triangulator</i> and how this will fit into the workflow.</li> </ul>	Oli Stevens
17.20	40	Recommendations	
18.00		CLOSE	

## Tuesday 10 October:

Time	Duration (mins)	Topic	Presenter(s)/ Lead Discussant
<b>Session 2: Dynamical modelling of HIV trends in KPs in sub-Saharan Africa (chair: Cari van Schalkwyk)</b> <b>Objective:</b> <ul style="list-style-type: none"> <li>Review assumptions and model structure decisions</li> </ul>			
14.00	30	Population group turnover <ul style="list-style-type: none"> <li>Assumptions in Goals 2023</li> <li>Variation across countries (SSA; FSW, MSM, PWID)</li> <li>Variation over time (South Africa; FSW)</li> </ul>	John Stover Rebecca Anderson Nina Anderegg
14.30	20	Goals-ARM development	Rob Glaubius
14.50	30	Discussion and recommendations	
<b>Session 3: ART coverage data discrepancies (chair: Leigh Johnson)</b> <b>Objective:</b> <ul style="list-style-type: none"> <li>Review options and progress in assuring quality of ART data and coverage estimates</li> </ul>			
15.20	10	Brief update on <i>Leapfrog</i> – common code for simulation models (Spectrum, EPP-ASM, CSAVR, Shiny90)	Jeff Imai-Eaton
15.30	10	Visualising programme and survey data by age (ART coverage, prevalence)	John Stover
15.40	10	BREAK	
15.50	110	Implications and recommendations for country data entry (survey & programme) in 2024 estimates round	Rob Glaubius, Mary Mahy, Jeff Imai-Eaton
17.40	20	Recommendations	
18.00		CLOSE	

## Wednesday 11 October:

Time	Duration (mins)	Topic	Presenter(s)/ Lead Discussant
<b>Session 4: Definitions and reporting of HIV mortality among PLHIV (chair: Cari van Schalkwyk)</b> <b>Objective:</b> <ul style="list-style-type: none"> <li>Review definitions used in death data collections, and the need to realign or adjust for valid Spectrum fits to death data</li> </ul>			
14.00	110	Review of definitions and reporting of HIV mortality among PLHIV	Adam Trickey
15.50	10	BREAK	
<b>Session 5: Mortality among people on ART (chair: Jeff Imai-Eaton)</b> <b>Objectives:</b> <ul style="list-style-type: none"> <li>Review updated leDEA mortality analysis and impact on Spectrum estimates</li> <li>Review estimated impact of ART interruption on mortality in different settings</li> </ul>			
16.00	20	leDEA adult mortality analysis	Reshma Kassanje
16.20	20	Impact of updated leDEA analysis on Spectrum estimates	John Stover
16.40	30	Mortality in ART re-initiators <ul style="list-style-type: none"> <li>leDEA South Africa</li> <li>ART-CC</li> </ul>	Haroon Moolla Adam Trickey
17.10	10	On-ART all-cause deaths validation: 2023 data entries and Spectrum fits	Eline Korenromp
<b>Session 6: ART interruption rates (chair: Leigh Johnson)</b> <b>Objective:</b> <ul style="list-style-type: none"> <li>Recommend realistic, non-zero regional default rates for interruption from ART for use in 2024 estimates</li> </ul>			
17.20	30	ART interruption rates <ul style="list-style-type: none"> <li>ART-CC</li> <li>IAS</li> </ul>	Adam Trickey Anna Grimsrud
17.50	10	AIM entries and indicator names: Program stats vs. Validation>Waterfall	John Stover
18.00		CLOSE	

## Thursday 12 October:

Time	Duration (mins)	Topic	Presenter(s)/ Lead Discussant
<b>Session 6 and 7 continued</b>			
14.00	40	Recommendations	
<b>Session 7: Concentrated epidemics (chair: Cari van Schalkwyk)</b>			
<b>Objectives:</b>			
<ul style="list-style-type: none"> <li>• Discuss planned and possible refinements to EPP-Concentrated (including EPP-ASM), CSAVR and ECDC models.</li> <li>• Advise the 2024 plan for KP data collection and estimates for (non-SSA) countries not using EPP-concentrated or AEM</li> </ul>			
14.40	20	EPP-Concentrated: early trends and recommended curve types	Tim Brown
15.00	20	Updated Age-Sex stratified EPP-Concentrated model	Deepa Jahagirdar
15.20	40	CSAVR <ul style="list-style-type: none"> <li>• Fitting AIDS death data using AIM's excess mortality rates: possible adjustments</li> <li>• Double Log curve: sharp artificial historic peak</li> <li>• Splines: may overfit fluctuations in recent diagnoses</li> <li>• Instances of ART coverage &gt;100% of PLHIV</li> <li>• Aggregating uncertainty across CSAVR models</li> </ul>	Guy Mahiane, Rob Glaubius
16.00	10	BREAK	
16.10	15	ECDC model/platform: 2024 update	Ard van Sighem
16.25	20	Collating ANC testing and prevalence data in AEM: user guidance to use for informal validation	Tim Brown
16.45	25	<b>KP data &amp; estimates (PSE, prevalence, ART coverage) in non-EPP countries</b> <ul style="list-style-type: none"> <li>• Data received through 2023 XLS (vs. GAM) in CAR, LAC and MENA workshops</li> <li>• 2024 plan for (non-GAM) data collection; updating KP Atlas, GAM and/or <i>AIDS Info</i> with data reported in 2023-24 estimation context</li> </ul>	Sonia Arias-Garcia Keith Sabin
17.10	30	Recommendations	
17.40		CLOSE	