

Report of the Immunization Practices Advisory Committee (IPAC) to SAGE

Dr Christopher Morgan, IPAC Chair

October 2015



**World Health
Organization**

IPAC Meeting: 14-15 October, 2015

❖ Standing reports

- Programmatic Suitability for Prequalification (PSPQ) Standing Committee
- Vaccine Presentation and Packaging Advisory Group (VPPAG)

❖ For information and feedback:

- Global Routine Immunization Strategies and Practices (**GRISP**)
- Monitoring framework for tOPV-bOPV **switch**
- Collecting Assessing and Using **Immunization Data** – guidance document
- **Second Year of Life** – progress and plans
- **Vaccine wastage modelling**
- **Sustaining MNT elimination** – operational aspects of draft guidance

❖ For endorsement

- Aligning country programme assessments
- New method for estimation of national vaccine wastage estimates

For information and feedback: Second Year of Life platform (2YL)

- **Work under development**
 - Stimulated by measles second-dose but with broader implications
 - Opportunities for integration with other programmes
- **IPAC reviewed plans to build the guidance across the platform**
 - Literature review
 - Documenting regional (eg EMRO) and country experiences
 - WHO-UNICEF Joint Reporting Form analysis
 - Demonstration project, including pilot programs supported by CDC
 - Development of guidance and communication tools
- **IPAC members will continue to support operational aspects of evidence base and guidance development**



IPAC endorsement: Better alignment of country programme assessments

- Calls to reduce assessment load for countries, coming from Global Immunization Meeting, 2015

Estimated time spent on 15 types of immunization-related assessments by country EPI offices

Total (weeks/year)	Preparation (weeks/year)	Implementation (weeks/year)
23.5 - 40.5	13.1 - 23.1	10.4 - 17.4

Source: Global Immunization Meeting: “Protect, Innovate, Accelerate” 23-25 June 2015 Barcelona, Spain. Summary Slides from Work Group: Towards Aligning Country Assessments

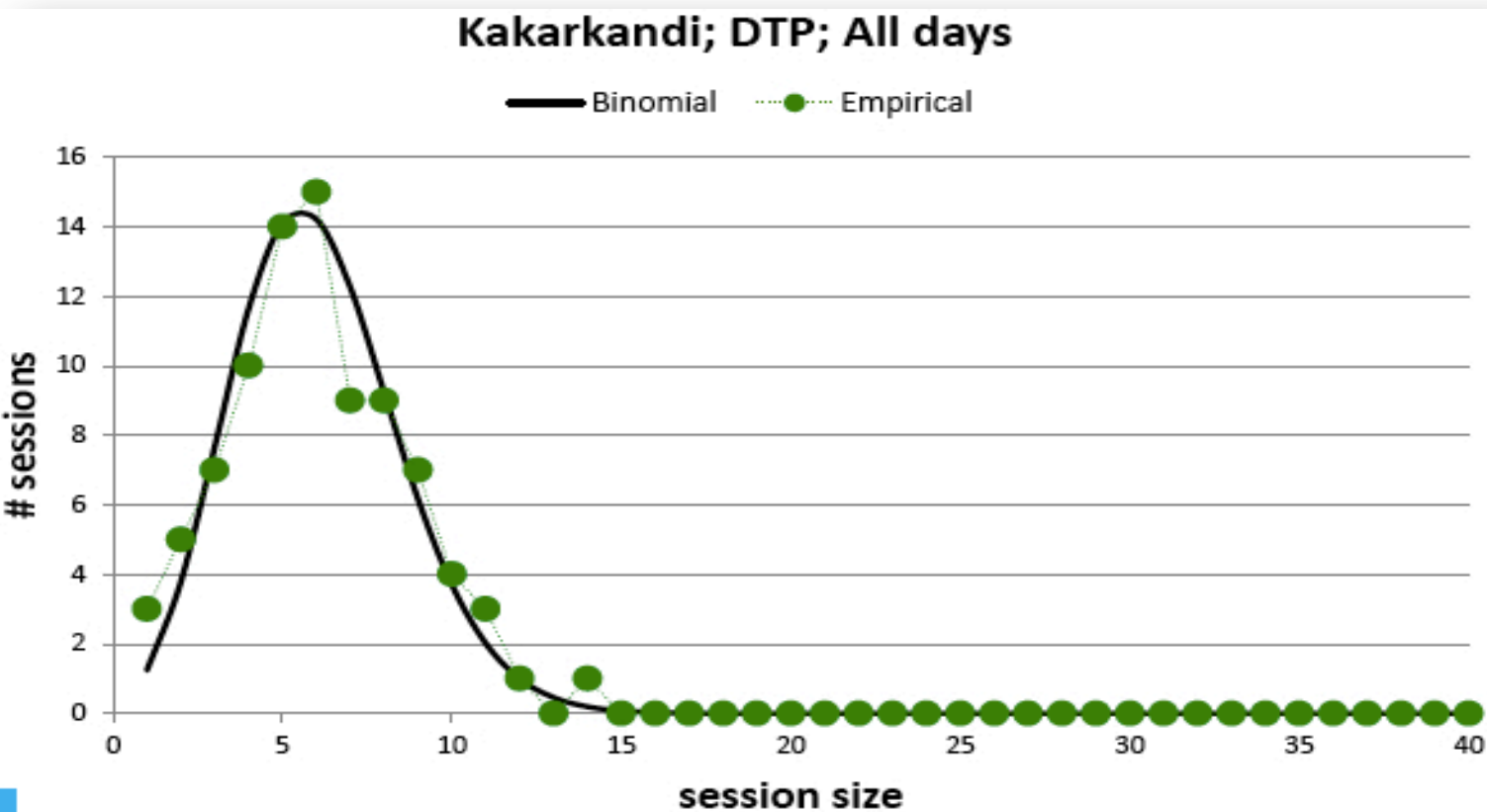
IPAC endorsement: Better alignment of country programme assessments (2)

- IPAC endorsed proposal to streamline and harmonise EPI program assessments
- After significant debate, IPAC endorsed:
 - **Spacing** comprehensive EPI assessments
 - **Alignment** of timing with country planning
 - A ‘**core set**’ of: cEPI review, EVMA, Data Quality
 - **Moratorium** after a *good quality* cEPI review
 - More **flexibility** in new vaccine Post-Introduction-Evaluations
- Follow-up steps by WHO in discussion with global partners



Modelling wastage rates using the binomial session size distribution

- Modelling of mean *immunization session sizes* to predict opened vial wastage
 - As a binomial distribution
 - Model well supported by empirical country-level data
 - Robust even when underlying assumptions are challenged

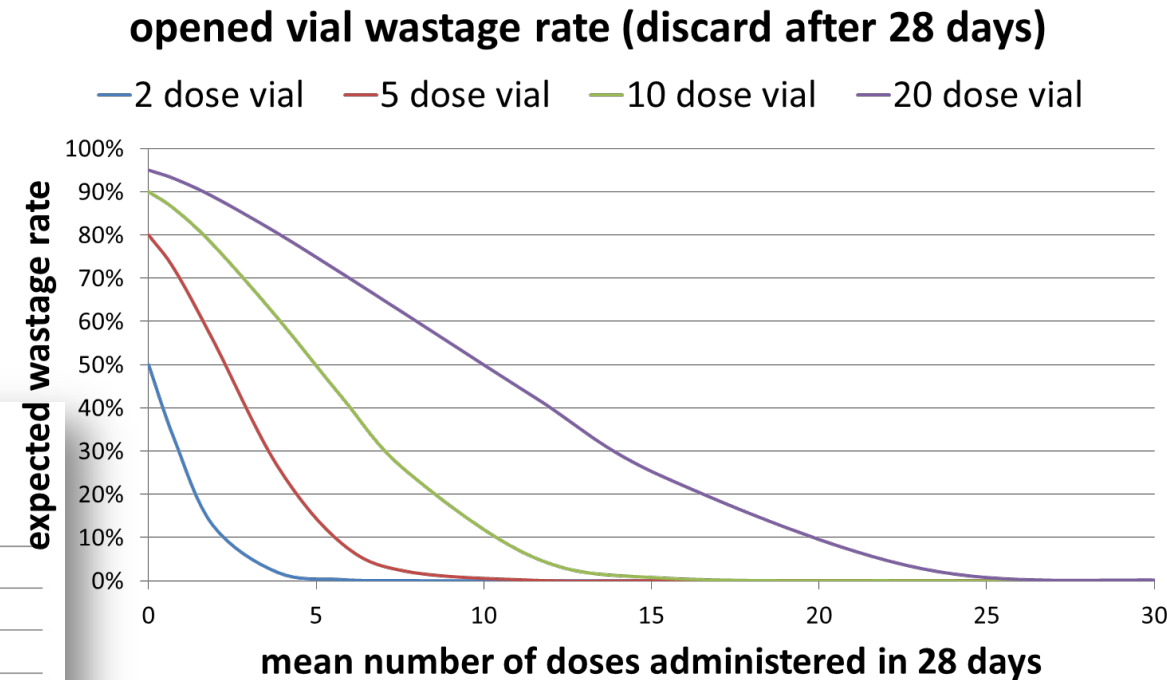
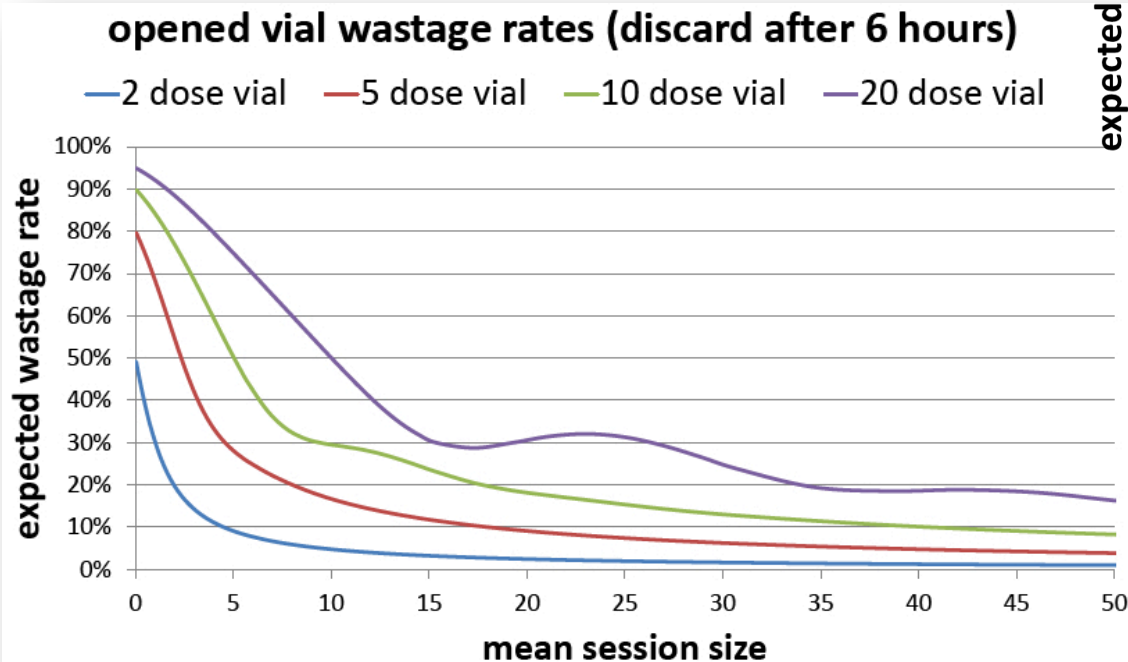


Source: WHO presentation to IPAC, 15th October 2015



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Open-vial wastage modelling based on mean session size distribution (predictive)



Source: WHO presentation to IPAC, 15th October 2015

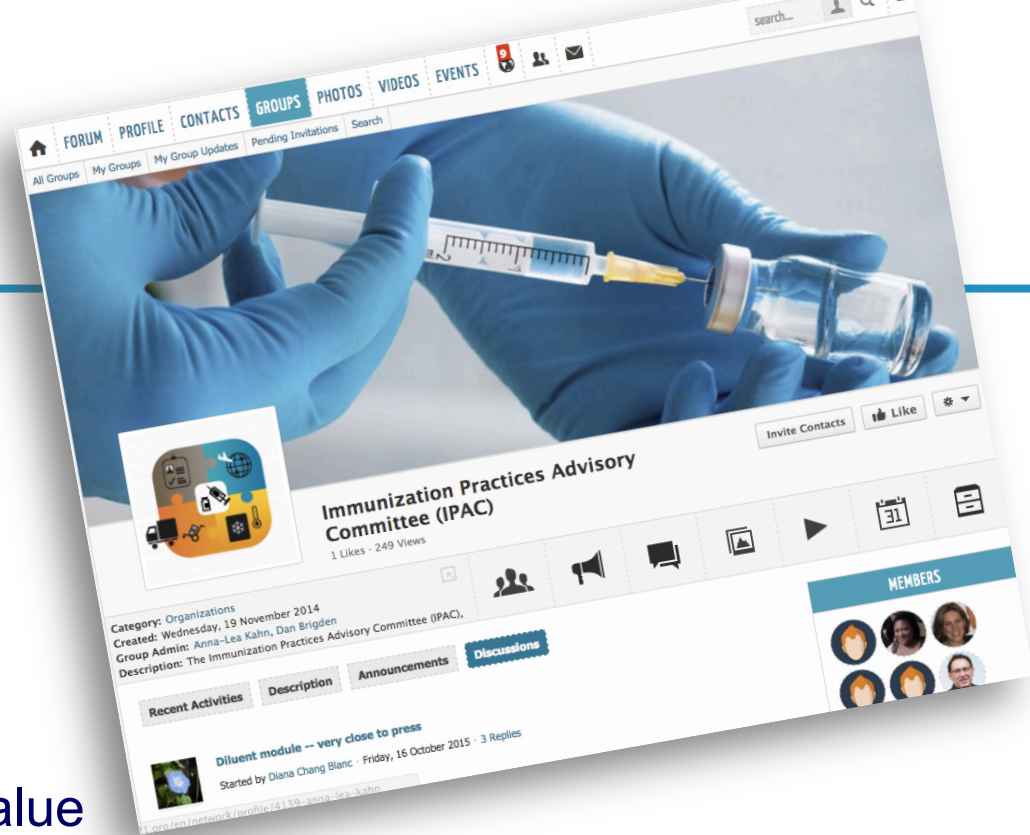
IPAC endorsement: National vaccine wastage estimations

- IPAC endorsed underlying logic and methodology to estimate national vaccine wastage rates for vaccine forecasting (where systems non-existent)
- Alternative to WHO's current indicative wastage estimates
- Modelling has major implications:
 - More accurate estimations of national wastage rates for national forecasting
 - Monitoring expected wastage against realistic estimates
 - Planning session sizes without compromising coverage
- IPAC will continue to support WHO in development of field guidance and tools



IPAC processes

- “New operating modality”:
 - Private online discussion forum
 - Quarterly newsletter
 - Secondment to working groups
- External independent evaluation
 - Overall positive views on IPAC’s value
 - Some areas for improvement in processes and in communication of IPAC's role
 - A baseline benchmark for the new operating modality
- IPAC is well placed to:
 - Identify cross-cutting programmatic issues
 - Provide expert review of operational guidance, strategies and tools
 - Contribute an operational perspective to other working groups



Members contributions to WHO guidance in the past 12 months

WHO Policy Statement: Multi-dose vial Policy (MDVP)

WHO Guidance Note: Vaccine Diluents

Global Routine Immunization Strategies and Practices (GRISP)

Enhancing cascade training: a strategy and guide for health care managers

Programmatic Options for RTS,S Malaria Vaccine deployment

Members involvement in standing committees since June 2014

PSPQ Standing Committee

Vaccine Packaging and Presentation Advisory Group (VPPAG)

Immunization Systems Management Group (Polio)

Members involvement in working groups since June 2014

Ad-hoc Working Group on Maternal immunization against influenza

Ad-hoc Working Group on Multiple injections (March 2015)

Consultation on Pain Mitigation during Vaccination (February 2015)

Global Advisory Committee on Vaccine Safety (December 2014)

Immunization and vaccines related implementation research advisory committee (IVIR-AC)

Implementation Group on IPV introduction / tOPV to bOPV Switch

Measles and Rubella Initiative Working Group on Routine Immunization

SAGE Working Group on Ebola Vaccines and Vaccination

SAGE Working Group on Japanese Encephalitis Vaccines

SAGE Working Group on Maternal and Neonatal Tetanus Elimination

SAGE Working Group on Polio

WHO Informal Consultation on Tetanus and Voluntary Medical Male Circumcision for HIV prevention

THANK YOU

