



Vaccine Optimisation Strategy: Tanzania's Approach

21st January 2026



Outline

- Tanzania Immunization context
- Optimization Approach:
 - Planning
 - Immunization System strengthening
 - Performance and safety monitoring
 - Timeline
 - Early thoughts of vaccines to be optimized
- Q&A

Tanzania Immunization Context

- ❑ 13 antigens offered
- ❑ Growing number of products, formulations, and schedules
- ❑ Global and domestic financing under pressure; trade-offs required under new funding models
- ❑ Immunization performance gains have stagnated; equity, zero-dose coverage, and outbreak resilience remain priorities



Optimization Approach

- ❑ Evidence-based decisions, which involve analyzing disease burden, identification of high-risk population and reviewing vaccine performance to guide which vaccines to priorities and optimize within the National program
- ❑ Aligns vaccine choices with national health priorities, ensuring cost-effectiveness and integration into existing immunization policies
- ❑ Strong coordination among the Program (MOH) and partners to support the process



Immunization System strengthening

- ❑ Strengthening the sustainability, efficiency, and impact of its immunization programme through a structured Vaccine Portfolio Optimization process.
- ✓ *Conduct a comprehensive review of Tanzania's existing vaccine portfolio*
- ✓ *Identify and prioritize key optimization questions for already introduced vaccines*
- ✓ *Assess optimization options using a transparent, multi-criteria decision analysis (MCDA) approach.*
- ✓ *Develop evidence-based, feasible, and sequenced optimization recommendations*
- ✓ *Ensure alignment of recommendations with the National Immunization Strategy (2026-2030), Upcoming HSSP VI and Gavi requirements*



Performance and Safety Monitoring

- ❑ Monitoring and evaluation will be central to vaccine optimization, using routine data to track coverage, VPD surveillance data, equity and safety
- ❑ Strengthen vaccine safety surveillance systems (AEFI monitoring)
- ❑ The data driven approach will allow timely improvements and supports better health outcomes and efficient use of resources



Timeline

- ❑ **Short term:** Reviewing guidance, setting priorities and engaging stakeholders
- ❑ **Medium and long term:** Strengthening delivery systems, training health workers, improving community engagement and routine data to monitor performance, make adjustments and improvements for better health outcomes
- ❑ Expected starting month: **March 2026**



Preliminary Thoughts for Optimization

NITAG and EPI thought of:

- IPV (3rd dose, fractional dose, Hexavalent)
- MR 10 to 5 doses
- BCG vaccine
- DTP containing vaccine (booster)
- HPV (valency change, boys, older age groups)
- COVID-19



**ASANTE SANA
THANK YOU
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