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# Vaccine Portfolio Optimization and Prioritization (VPOP)

|                         | <b>Phase 0<br/>Preparation</b>                                                                                                                                                                                                                                                     | <b>Phase 1<br/>Framework adaptation</b>                                                                                                                                                                                                     | <b>Phase 2<br/>Assessment, appraisal &amp;<br/>sequencing</b>                                                                                                                                                        | <b>Phase 3<br/>Recommendations</b>                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Key activities</b>   | <p><b>Convene core team</b><br/>Confirm configuration, mandate and timeline</p> <p><b>Preparatory analysis</b><br/>Portfolio review (OPTI) or situation analysis (PRIO)</p> <p><b>Develop workplan</b><br/>Align milestones to NIS, Gavi applications or procurement deadlines</p> | <p><b>Online session</b><br/>Introduce methodology; gather stakeholder inputs; distribute questionnaire (PRIO)</p> <p><b>Workshop 1 (1-2 days)</b><br/>Validate scope; select criteria and weightings; confirm evidence collection plan</p> | <p><b>Evidence collection</b><br/>Collect, assess and synthesize evidence by criterion and option or vaccine</p> <p><b>Workshop 2 (1-3 days)</b><br/>Review evidence; rank options; develop sequencing scenarios</p> | <p><b>Prepare recommendations</b><br/>Consolidate Phase 2 outputs into recommendations package</p> <p><b>Seek endorsement</b><br/>Present to NITAG, EPI leadership, ICC, MoH</p> <p><b>Integrate into planning</b><br/>Update NIS, procurement plans, Gavi applications</p> |
| <b>Shared resources</b> | <p><b>VPOP 0.1</b> Introductory module<br/><i>Guidance</i></p> <p><b>VPOP 0.2</b> Generic Country Concept<br/><i>Note</i><br/><i>Template</i></p> <p><b>VPOP 1.1</b> Criteria &amp; indicators<br/><i>Reference</i></p>                                                            |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                             |

|                              | <b>Phase 0<br/>Preparation</b>                                                                                                                                                                                                                                                                                                                                                     | <b>Phase 1<br/>Framework adaptation</b>                                                                                                                                                                                                                                                                                                                                                                                                | <b>Phase 2<br/>Assessment, appraisal &amp;<br/>sequencing</b>                                                                                                                                | <b>Phase 3<br/>Recommendations</b>                                                                               |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Optimization (OPTI)</b>   | <b>OPTI</b> Optimization tool<br><i>Guidance</i><br><b>OPTI 0.2</b> Stakeholders engagement<br>slidedeck<br><i>Template</i><br><b>OPTI 0.3</b> Workplan<br><i>Template</i>                                                                                                                                                                                                         | <b>OPTI 1.1</b> List of Optimization Questions<br><i>Reference</i><br><b>OPTI 1.2</b> Data collection matrix<br><i>Template</i>                                                                                                                                                                                                                                                                                                        | <i>Resources Pending</i>                                                                                                                                                                     |                                                                                                                  |
| <b>Prioritization (PRIO)</b> | <b>PRIO</b> New Vaccine Introduction<br>Prioritization and Sequencing Toolkit<br>(NVI-PST)<br><i>Guidance</i><br><b>PRIO</b> NVI-PST eLearning facilitator<br>module<br><i>Guidance</i><br><b>PRIO 0.1</b> Partner Terms of Reference<br><i>Template</i><br><b>PRIO 0.2</b> Stakeholder engagement<br>slide deck<br><i>Template</i><br><b>PRIO 0.3</b> Workplan<br><i>Template</i> | <b>PRIO 1.1</b> Prioritized list of criteria and<br>indicators<br><i>Reference</i><br><b>PRIO 1.2</b> Criteria & Vaccines<br>Questionnaire<br><i>Template</i><br><b>PRIO 1.3</b> Online session slide deck<br><i>Template</i><br><b>PRIO 1.4</b> Workshop 1: Framework<br>Adaptation<br><i>Template</i><br><b>PRIO 1.5</b> Data collection matrix<br><i>Template</i><br><b>PRIO 1.6</b> Google form result analysis<br><i>Template</i> | <b>PRIO 2.1</b> Ranking Calculations model<br><i>Template</i><br><b>PRIO 2.2</b> Guide to collecting evidence<br><i>Guidance</i><br><b>PRIO 2.3</b> Workshop 2 slide deck<br><i>Template</i> |                                                                                                                  |
| <b>Outputs</b>               | Confirmed VPOP approach<br>(prioritization, optimization or both)<br>Named core team with roles and<br>responsibilities<br>Workplan aligned to downstream<br>deadlines                                                                                                                                                                                                             | Validated shortlist of questions (OPTI)<br>or new vaccine candidates (PRIO)<br>Decision criteria with agreed<br>weightings<br>Evidence collection plan with assigned<br>leads                                                                                                                                                                                                                                                          | Ranked preferred options (OPTI) or<br>priority vaccine list (PRIO)<br>Sequencing scenarios                                                                                                   | Formally endorsed recommendations<br>Updated NIS, operational and<br>procurement plans<br>Implementation roadmap |
| <b>Typical duration</b>      | 2–4 weeks                                                                                                                                                                                                                                                                                                                                                                          | 4–8 weeks                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 months (prioritization) ·<br>1–3 months (optimization)<br>3–4 months (combined)                                                                                                            | 2 months (prioritization)<br>1 month (optimization)<br>2 months (combined)                                       |