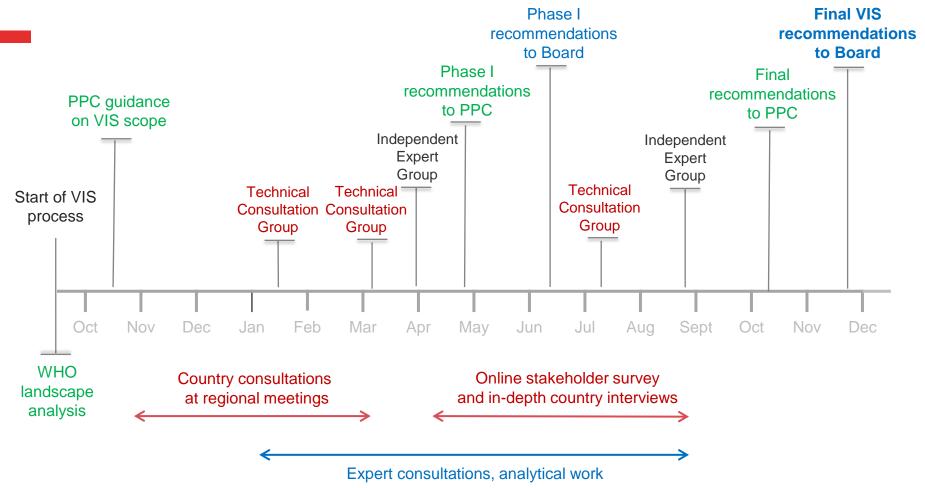
Vaccine Investment Strategy

Judith Kallenberg

GAVI Alliance Board meeting Phnom Penh, Cambodia 21-22 November 2013



Vaccine Investment Strategy: evidence-based process to identify new priority vaccines



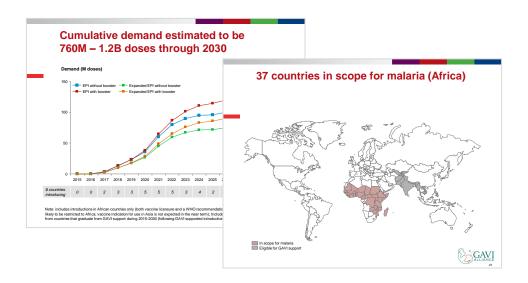


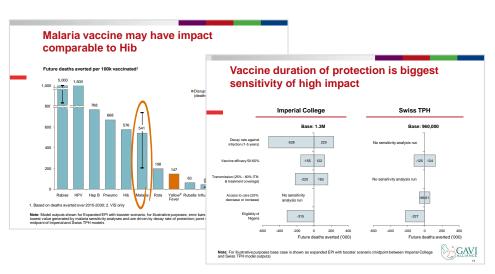
Assessment framework for shortlisted vaccine investments

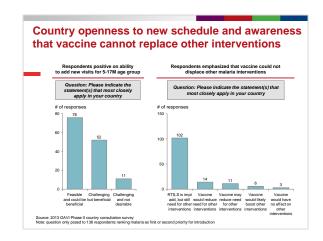
Step 1: Step 2: Step 3: analysis synthesis recommendation Direct health impact Potential to prevent disruptive epidemics **Key benefits** Country views Recommendation and implications Global/country implementation requirements Key challenges and risks Cost and value for money (relative to current portfolio) Market-shaping potential

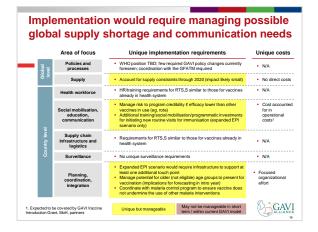
GAVI

Detailed vaccine assessments











Yellow fever: fund additional campaigns

ASSESSMENT

- Continued risk of outbreaks in Africa
- WHO: additional mass campaigns to cover remaining unvaccinated populations in high-risk countries
 - Future populations protected through routine YF use

RECOMMENDATION

- Fund additional campaigns from 2015 (~USD140M)
- Secretariat to review planning / funding process, including risk assessment mechanism, in coordination with WHO



Cholera: make catalytic investment in global stockpile

ASSESSMENT

- Disruptive epidemics, inequitable burden
- Low global demand and severe supply shortage relative to estimated need

RECOMMENDATION

- Enlarge stockpile to fight outbreaks, gain experience with vaccine use, shape the market
- Insufficient evidence for broad rollout through recurring, preventive campaigns in endemic settings: re-evaluate in next VIS



Rabies and maternal influenza: re-evaluate in next VIS

RABIES

- Operational feasibility and effectiveness of GAVI support for rabies vaccines unclear
- Re-evaluate in next VIS, and
- Fund observational study to fill critical knowledge gaps and catalyse progress
 - Mitigate risk of preserving status quo

INFLUENZA

- Limited evidence base for impact beyond pregnant woman
- Data forthcoming on effects on foetus and infants
- Re-evaluate in next VIS



Malaria: re-assess investment case in 2015/16

ASSESSMENT

- A leading cause of death in young children, strong demand
- Bednets and spraying can prevent up to 55% of deaths
 - Vaccine targets remaining burden; complements other malaria control interventions
- Analysis: incremental impact in Africa ≈ Hib/rotavirus
- Expert Committee: supportive based on preliminary data

RECOMMENDATION:

- Note reasonable case for support based on current analysis; await final trial data
- Back to PPC/Board for decision in 2015/16



Programme funding implications of recommendations

- 2014-2020: ~\$200M for YF and cholera
 - 2% of vaccine spending
- 2016-2020: ~\$300M for malaria; US\$ 230M/year from 2021
 - Pending future Board approval

Projected programme costs in US\$ millions (vaccine + introduction grant + operational cost)

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Budget period:	2014-2015	2016-2020	2021-2030
Cholera stockpile	26	89	-
Yellow fever campaigns	14	95	31
Subtotal	40	184	31
Malaria	-	287	2,274
Total VIS incl. malaria	40	471	2,305
Current GAVI portfolio*	3,014	6,895	~10,000



The PPC and, where appropriate, the AFC and the EC recommended to the GAVI Alliance Board that it:

- <u>Decide</u> to support new yellow fever vaccine campaigns and request the Secretariat to develop a process for the funding of individual campaigns on the basis of robust risk assessments.
- Approve a contribution to the global cholera stockpile for use in epidemic and endemic settings and to that end:
 - Endorse a net increase in programme budgets for the global cholera stockpile by US\$ 114.5 million for the period 2014-2018. (This endorsement would constitute acknowledgement of such budget amounts as an indication of potential future expenditures but would not constitute a funding approval, decision, obligation or commitment of the GAVI Alliance or its contributors.);
 - Approve a net increase of near-term programme liabilities for the global cholera stockpile (a sub-component of endorsed programme budgets) by US\$ 8.5 million for 2014;
 - Note the opportunity for the GAVI Alliance to generate impact data based on the use of the cholera stockpile in emergency settings.



The PPC and, where appropriate, the AFC and the EC recommended to the GAVI Alliance Board that it:

- Approve an assessment of the feasibility of GAVI support for rabies vaccines (to be evaluated in the next Vaccine Investment Strategy process). A funding request for the outsourced assessment will be included as part of the Business Plan in 2015.
- Note that based on the current assessment there is a reasonable case for GAVI support for a malaria vaccine, and that the Board will consider opening a window if and when the vaccine is licensed, recommended for use by the joint meeting of the WHO Strategic Advisory Group of Experts and the Malaria Programme Advisory Committee (expected in 2015) and WHO pre-qualified, taking into account updated projections of impact, cost and country demand as reviewed by the PPC.

The PPC and, where appropriate, the AFC and the EC recommended to the GAVI Alliance Board that it:

- Note the potential public health impact of vaccinating pregnant women against seasonal influenza and the need to assess the emerging evidence of impact of vaccination on neonates, but decides not to open a funding window for influenza vaccines at this time.
- Approve an amount up to US\$ 1.5 million to be added to the 2014 Business Plan to implement the Board's VIS decisions through Secretariat and partner activities as described in section 5.2 of Doc 07.





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