Gavi - Vaccine Investment Strategy (VIS) 2024

Dr. Marta Tufet Head, Policy, Gavi

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gavi.org







Vaccine Investment Strategy 2024

Methodology

Vaccine Investment Strategy informs Gavi 6.0 (2026–2030)

Evidence-based approach to identify immunisation investments for future strategic cycle(s), while sending valuable advance signals to vaccine developers and suppliers



Every 5 years



Transparent methodology



Analytic review of evidence & modelling



Consultations and independent expert advice



Strategic decision-making



Predictability for long-term planning by industry, governments & donors



Informs:

- Gavi strategy
- Resource mobilisation

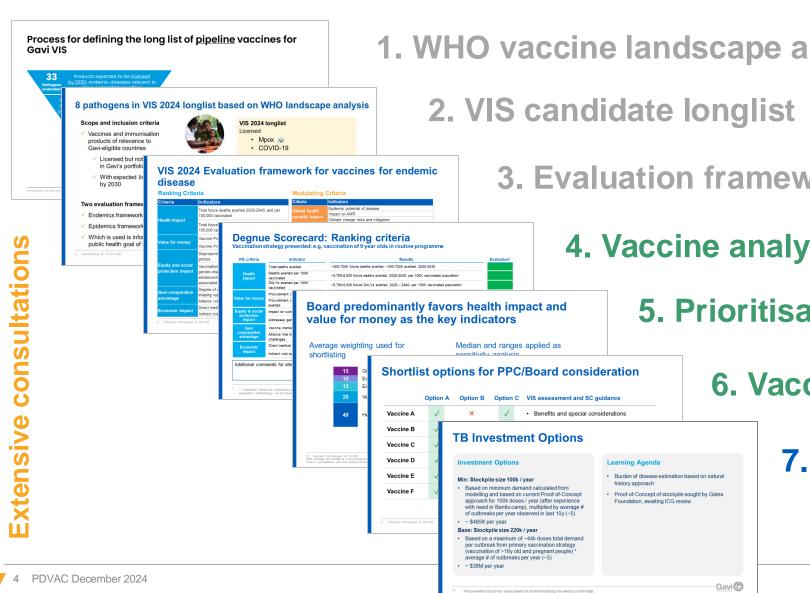


Types of investment:

- Vaccine programmes
- Global stockpiles
- Learning agendas

In response to public health threat or a research and development (R&D) milestone for a priority pathogen, diseases of epidemic/pandemic potential can be evaluated in real time, outside five-year cycle, through VIS epidemics framework.

Analytical and consultative process with 3 decisions

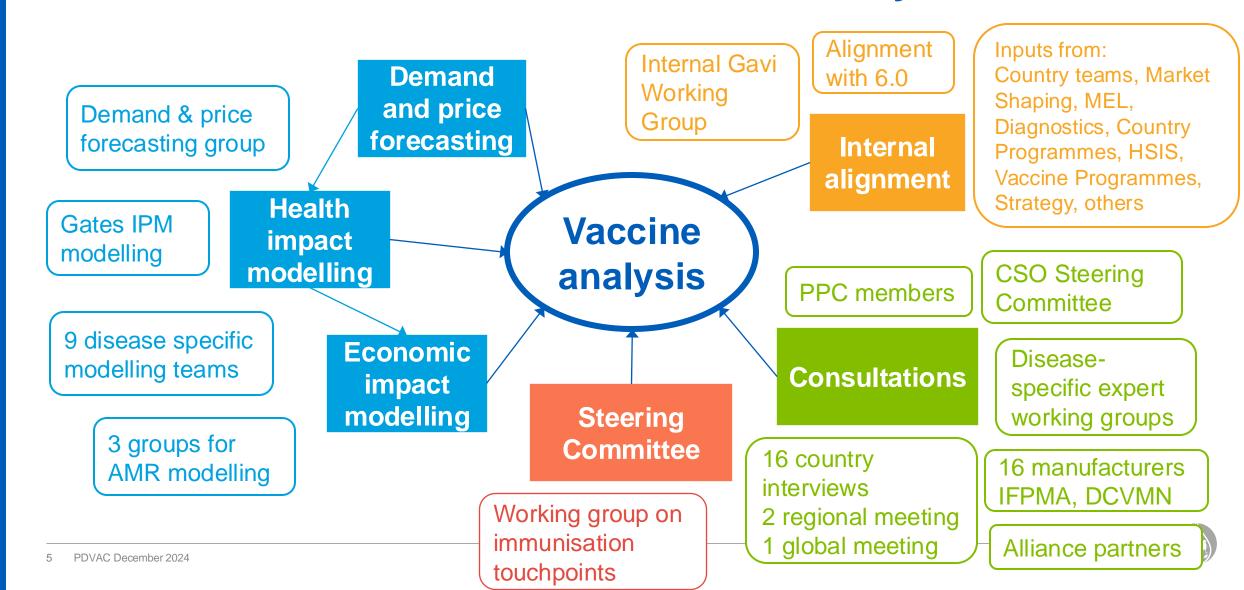


1. WHO vaccine landscape analysis

- 3. Evaluation framework
 - 4. Vaccine analyses
 - 5. Prioritisation methodology
 - 6. Vaccine shortlist
 - 7. Refined analyses
 - 8. Investment Cases



Vaccine analyses have been possible thanks to collaboration and contributions from many stakeholders



VIS 2024 Evaluation framework for vaccines for endemic disease

Ranking Criteria

Criteria	Indicators		
Hoolth import	Total future deaths averted 2026-2040, and per 100,000 vaccinated		
Health impact	Total future DALYs averted 2026-2040, and per 100,000 vaccinated		
Valua far manay	Vaccine Procurement cost per death averted		
Value for money	Vaccine Procurement cost per DALY averted		
	Disproportionate impact of disease on vulnerable groups		
Equity and social protection impact	Vaccination contributes to addressing underlying gender-related barriers faced by caregivers, adolescents and health workers and/or gender associated differences in immunisation coverage		
Gavi comparative	Degree of vaccine market challenges		
advantage	Gavi role in addressing challenges		
Economic impact	Direct medical cost averted		
Economic impact	Indirect cost averted		

Modulating Criteria

Criteria	Indicators			
Modulate up				
Global health	Epidemic potential of disease Impact on AMR			
security impact	Climate change risks and mitigation			
Other impact	Total U5 deaths averted 2026-2040, and per 100,000 vaccinated			
Contribution to	Fit with global development (SDGs), immunization (IA2030			
global agenda	agendas and other relevant global targets			
Broader health	No specific indicator – evaluated case-by-case			
system benefits				
Contextual				
	Ease of supply chain integration			
	Need for healthcare worker training/ behaviour change			
Implementation	Requirements of vaccination timepoint			
feasibility	Need for demand promotion (e.g., acceptability,			
Teasibility	understanding of disease burden)			
	Availability of epidemiological data to inform programmes			
	Diagnostics availability/ needs			
Alternate	Optimal use of current and future alternative interventions			
interventions	(prevention and treatment)			
	/			



Framework for evaluating epidemic-prone diseases (1/2)

	Criteria	Indicators	
Disease Risk & Burden	Epidemiology and risk	Frequency, geography and magnitude of outbreaks	
		Global risk of outbreaks and epidemic/endemic potential	
		Strain stability/adaptability	
	Disease burden	Transmission routes, incubation period and disease manifestation	
		Health impact (outbreaks, CFR, DALYs, YLLs)	
	Economic and	Direct and indirect costs of illness/outbreaks	
	social burden	Disproportionate burden to women and vulnerable groups	
Vaccine Impact and Feasibility	Epidemic risk reduction / mitigation	Vaccine impact and indirect effects (suitability to be used as part of outbreak response, herd immunity, cross strain protection)	
		Health systems impact	
		Efficacy of other available countermeasures	
	Equity and social protection impact	Additional benefit to women and vulnerable groups	
	Implementation feasibility December 2024	Storage requirements and shelf life	
		Dosing schedule and cost of delivery	
		Disease surveillance and seroprevalence to guide stockpile use	
		Acceptability in target population	



Framework for evaluating epidemic-prone diseases (2/2)

	Criteria	Indicators		
Fit for Gavi & Partners	Relevance	Proportion of detected outbreaks in Gavi countries		
		Alignment with Gavi's mission and strategy		
	Comparative advantage	Role of GAVI market shaping and financing		
		Contribution to access and equity		
		Alignment with activities of other donor organisations, Alliance partners, R&D, biosecurity		
it fo		Cost and consequences of inaction		
ш.	Risk	Major risks and potential mitigation strategies		
	Vaccine costs	Procurement costs		
Financia implicatio	Stockpile / supply	Holding costs (storage and stockpile maintenance)		
	arrangement	Deployment costs		
	costs	Coordination and administration costs		
	Operational cost	Incremental in-country operational costs		
		Optional learning costs		



Rating vaccine scorecards

The pathogens were rated red, yellow or green against each indicator. The ratings were a result of comparative ranking derived from quantitative analyses or subjective scoring derived from qualitative analyses

Quantitative analyses

Walue for money

Economic impact

Other impact
Global health
security (Impact
on AMR)

- Projections based on different scenarios and assessment of uncertainty
- Ranked outcomes across pathogens to determine relative score

Qualitative analyses

Equity and social protection impact

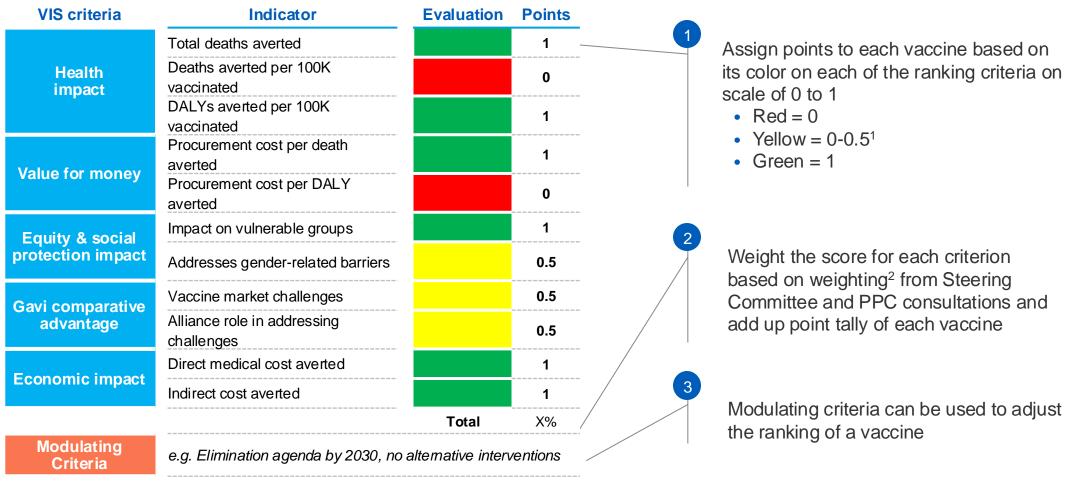
Gavi comparative advantage

Global health
security impact
Implementation
feasibility
Alternate
interventions
Contribution to
global agenda

- Informed by disease experts
- Thresholds evaluated on whether they are more or less likely to suggest Gavi investment



Ranking criteria colours determine scoring of vaccines

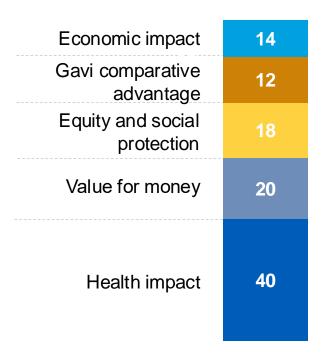




Countries, CSOs, the Steering Committee and PPC have input into weightings for ranking criteria

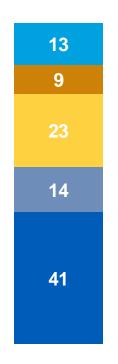
PPC survey

Board members predominantly favoured health impact and value for money as the key criteria



CSO Consultation (Aug 2023)

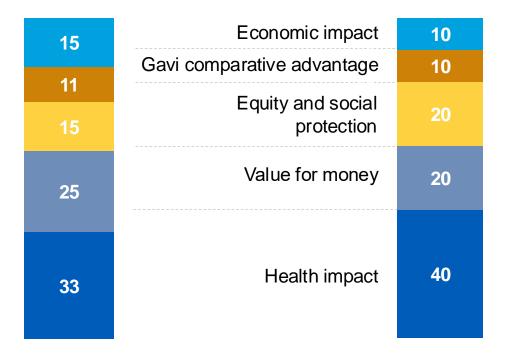
Health impact, and equity and social protection were the highest-ranking criteria



SC Consultation (Sept 2023)

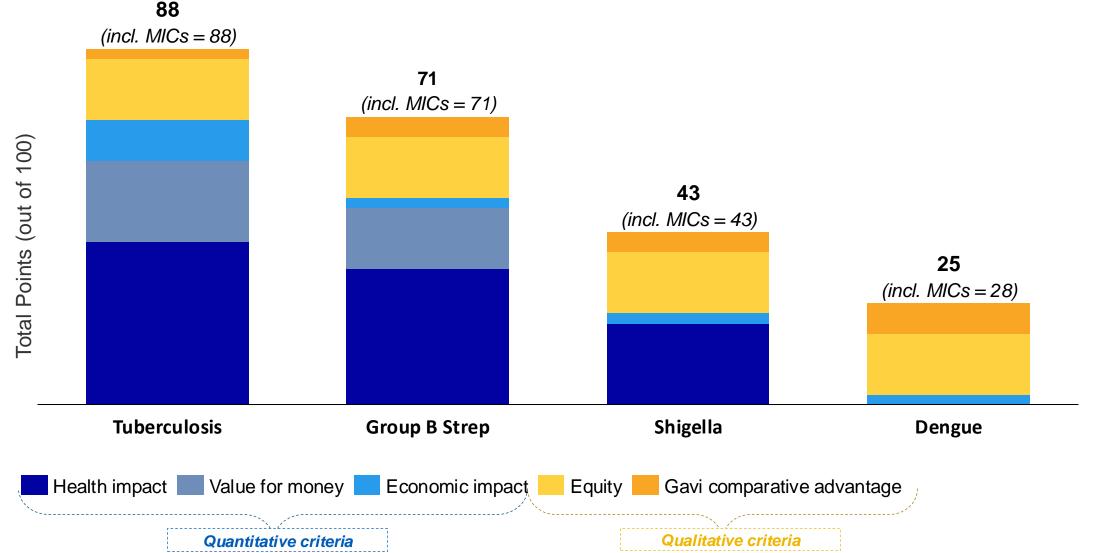
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Vaccine scores from assessment against ranking criteria





The VIS process identifies priority learning agendas to guide efficient and impactful vaccine rollouts

Learning agendas: A set of critical evidence needs/gaps required for <u>key research areas that Gavi in collaboration</u> with partners may support to provide evidence for the launch, implementation, and effective scale-up of a vaccine programme or stockpile



EXAMPLE: RABIES

VIS 2013: Gavi approved a Rabies PEP learning agenda which evaluated the operational feasibility, public health impact, and cost (in several countries, including Bhutan, Chad, India).

VIS 2018: The learning agenda supported the VIS 2018 decision to include Rabies PEP in Gavi's portfolio. Gavi's has now opened a funding window.

EXAMPLE: MPOX

VIS 2024: Gavi approved a learning agenda to start in 2025 and is currently seeking an expert provider to assess the supply and demand generation needs for mpox vaccines in Gavi-eligible countries.





Vaccine Investment Strategy 2024

Outputs

Summary of Board decisions for VIS 2024

VACCINE	POPULATION	IN-PRINCIPLE INVESTMENT	LEARNING AGENDA
Tuberculosis	Adolescents and Adults	✓	✓
Group B streptococcus	Pregnant women	✓	✓
	2-16-year-olds		
Dengue	Conditional on burden data in Africa	✓	
Hepatitis E	High-risk populations in	✓	✓ from Gavi 5.1
Мрох	outbreak response	✓	✓ from Gavi 5.1
Shigella	Infants	×	✓
Chikungunya	Outbreak response	×	×
COVID-19	High-risk populations No continued investment post-202		nent post-2025



Key questions were identified for each future learning agenda:

- **Group B streptococcus (GBS):**
 - Programmatic and financial requirements for a strong maternal immunisation
 - Burden of disease and surveillance capacity

Dengue (Focus on Africa):

- Clinical characteristics
- Burden of disease (seroprevalence & diagnostics integration)
- Vaccine safety and acceptability

Tuberculosis:

- Integration of TB vaccines with other health services
- Acceptability and uptake by older adolescents
- Identify priority groups
- Evaluate cost-effectiveness

Hepatitis E:

- Effectiveness & duration of protection
- Integration of diagnostics for outbreak detection
- Assess costs and feasibility of vaccine delivery

Mpox:

Supply and demand generation needs for mpox vaccines in Gavi-eligible countries

Shigella:

- Burden of disease & impact of climate change
- Programmatic feasibility
- Vaccine demand







Vaccine Investment Strategy 2024

Next steps

Vaccines are re-evaluated for Board approval once investment conditions for in-principle decisions are met or nearly fulfilled



In-Principle Decisions:

Conditional Board Approvals given by Gavi's Board to provide support for a vaccine, product, or program contingent upon certain investment conditions being met



Purpose:

Allows Gavi to begin market signalling and preparedness activities in advance, accelerating access to lower-income countries so new vaccines can be deployed as soon as they are available



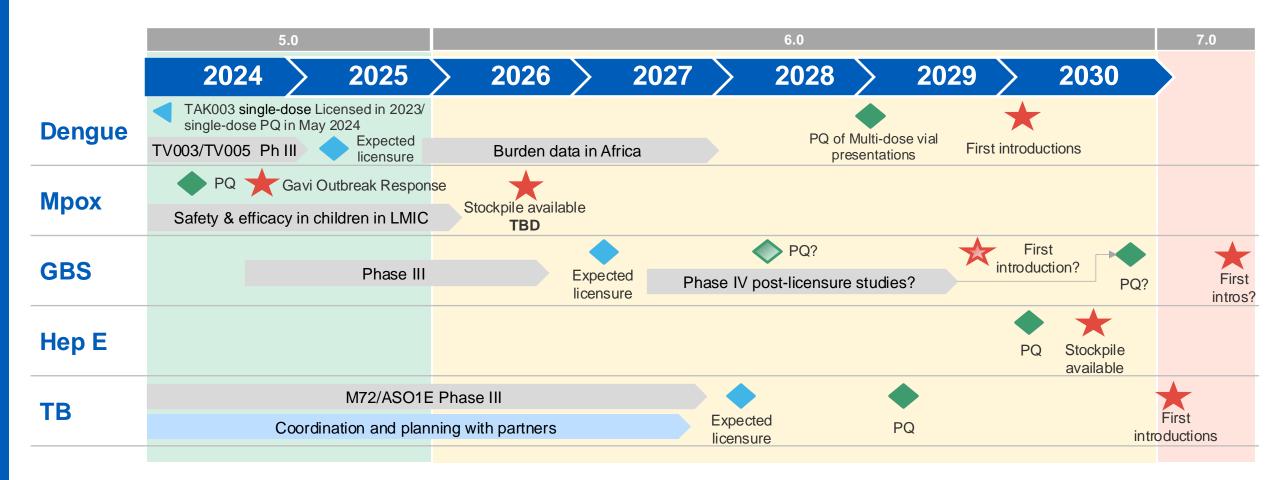
Board Approval:

When defined conditions are met or nearly fulfilled, the programme goes back to the Board for full approval

Example: RSV was approved in-principle through VIS 2018 and is being presented to the Board in June 2025.



VIS 2024 vaccines may only available later in 6.0 – market signaling and preparedness activities required earlier



PQ dates based on earliest expected dates based on expert input

VIS 24 Learning Agendas – Next steps

Mpox and Hepatitis E

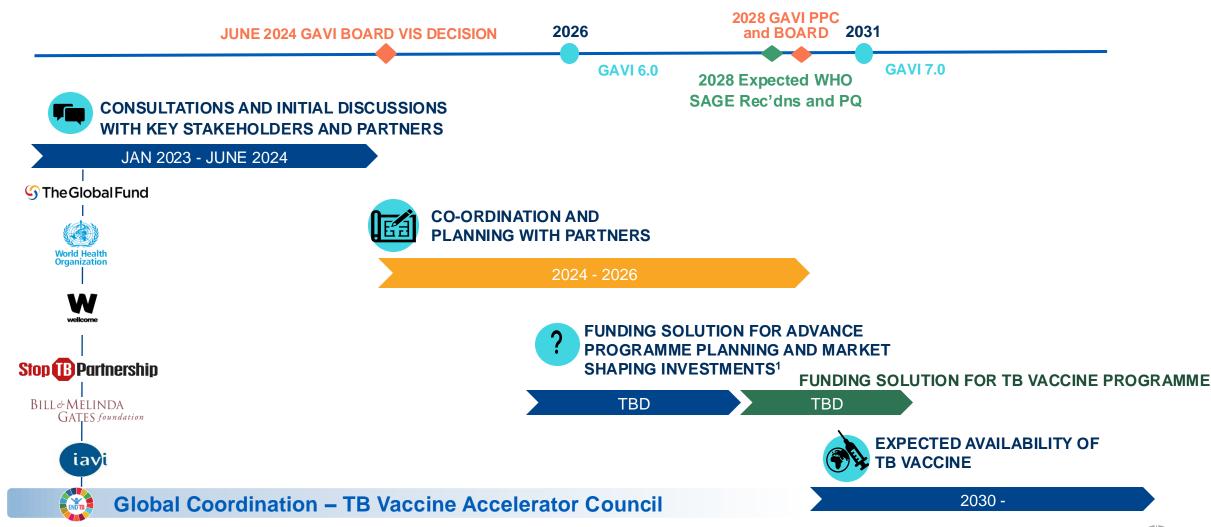
- Both approved for 5.1 (2025).
- Given mpox 2024 PHEIC and Gavi's role in supporting the outbreak response, mpox learning agenda was prioritized. Activities are set to begin in Q1 2025, focusing on:
 - Assessing demand, health impact, and stockpile size for a potential Gavi Mpox vaccine stockpile.
 - Designing and developing contextual demandgeneration and implementation strategies for Mpox vaccine uptake in targeted populations and geographies.

Other VIS 24 Learning agendas

- Contingent on Gavi's 6.0 replenishment and subsequent prioritization process.
- Upon approval, the Policy Team and Measurement, Evaluation, and Learning Team will reassess key questions, conduct additional consultations, and develop RFPs for publication.



TB Vaccine Programme Implementation Planning





Combination vaccines & innovations: Gavi has a decision pathway, but key bottlenecks must be addressed to seize upcoming opportunities

Manufacturer decision to develop combination

SAGE decision
WHO Prequalification

Gavi decision to include in portfolio

Country decision to introduce

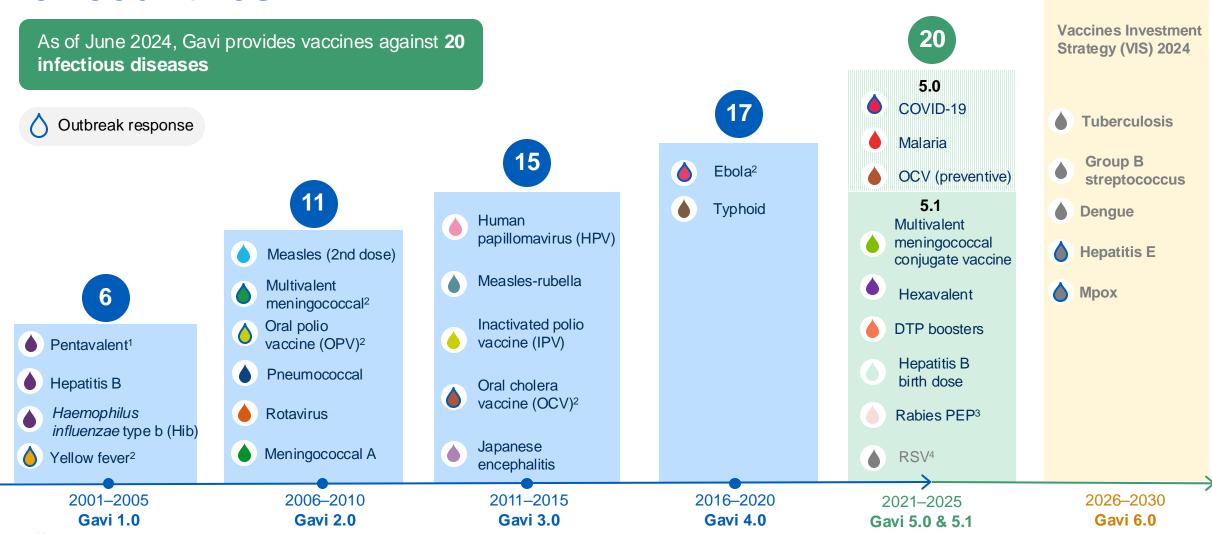
Provide manufacturers a prioritized and definitive view to most wanted combinations SAGE could develop a framework to assess combinations and ensure policy processes in place

Gavi facing funding limitations in the future, to develop a framework for evaluating vaccines

How to maximise uptake and coverage of new combinations with minimal disruption to current programmes



Gavi's vaccine portfolio has grown over time: making vaccine prioritisation and portfolio optimisation critical for countries



¹ Diphtheria, tetanus, pertussis (DTP) boosters, hepatitis B, Haemophilus influenzae type b (Hib), 3 PEP = Postexposure prophylaxis

² Emergency stockpiles 4 Updated investment case in development

Thank you

