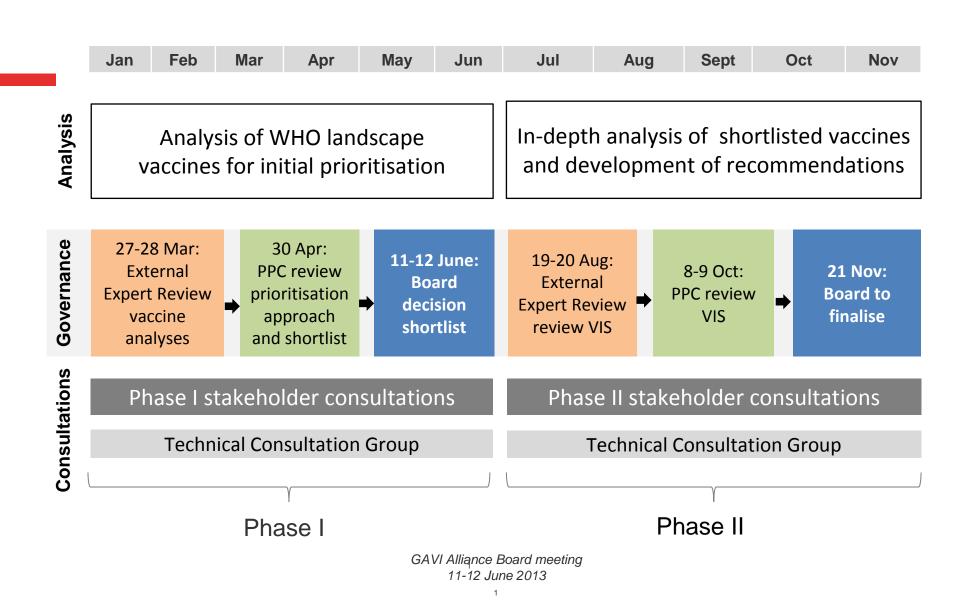
## **Vaccine Investment Strategy**

#### Aurélia Nguyen, Judith Kallenberg

GAVI Alliance Board meeting Geneva, Switzerland, 11-12 June 2013



#### Strategy process



### Scope of vaccines for consideration

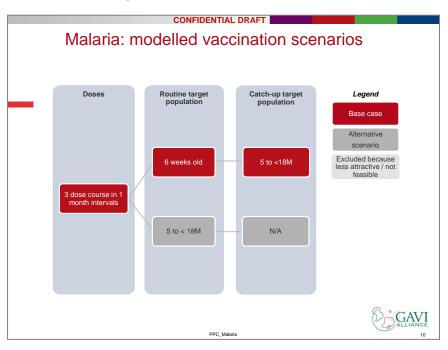
Landscape: WHO analysis: VIS phase I: VIS phase II: shortlist (6) (?)

- Inclusion criterion: anticipated licensure by 2019
- Out of scope: vaccines primarily indicated for emergency response or biosecurity purposes
- 15 vaccine candidates for VIS review:

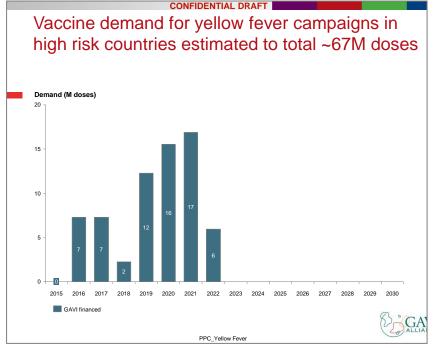
Potential expansion of GAVI vaccine support	Existing vaccines not supported by GAVI	'Pipeline' vaccines
DTP (booster)	Cholera	Malaria
Hepatitis B (birth dose)	Hepatitis A	Dengue
Measles (additional campaigns)	Hepatitis E	Enterovirus 71
Meningococcal (additional serotypes)	Influenza	
Yellow Fever (additional campaigns)	Mumps	
	Poliomyelitis	
	Rabies	

#### Methodology for vaccine evaluation

#### 1. Identify vaccination scenarios

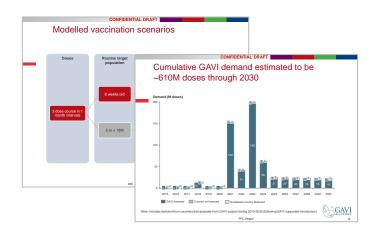


#### 2. Develop demand forecast

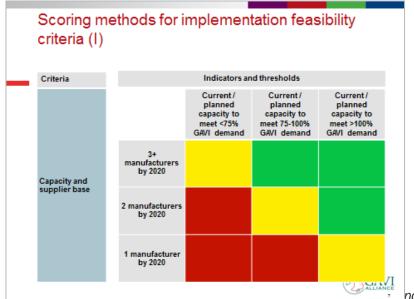




### Methodology for vaccine evaluation



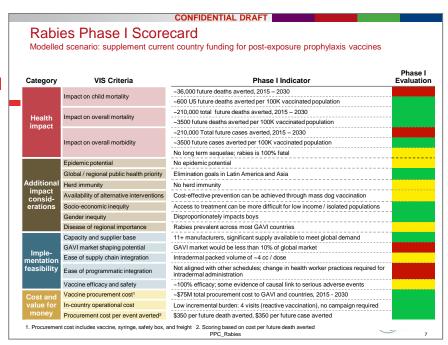
- 1. Identify vaccination scenarios
- 2. Develop demand forecast
- 3. Develop impact estimates
- 4. Develop cost estimates



Assess other disease/ vaccine features



### Methodology for vaccine prioritisation

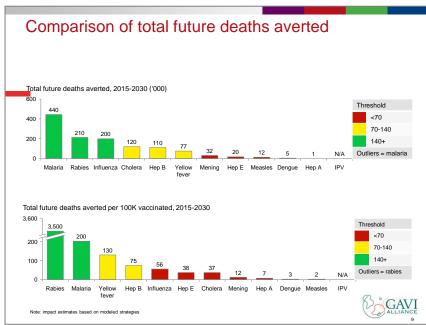


## 7. Compare vaccines against selected criteria

- Health impact (mortality and morbidity) most important
- Also consider epidemic diseases and value for money

#### 6. Populate scorecards

- Health impact
- Cost
- Implementation feasibility
- Other considerations



# Phase I outcome: five vaccines prioritised for further analysis + IPV

Landscape: WHO analysis: VIS phase I: VIS phase II: shortlist (6) (?)

	Health impact	Epidemic potential	Phase I assessment and expert guidance
Malaria	<b>✓</b>		<ul><li>High impact on mortality and morbidity</li><li>Major public health priority</li></ul>
Influenza (maternal)	<b>√</b>		<ul> <li>Impact on maternal and child mortality</li> <li>Opportunity to strengthen antenatal contact point</li> </ul>
Cholera		<b>√</b>	<ul> <li>Mortality impact + prevents epidemics; pro-poor</li> <li>Oral vaccine with strong herd effects</li> </ul>
Yellow Fever (mass campaigns)		<b>✓</b>	<ul> <li>Reduce epidemics; no alternative intervention</li> <li>Regional importance; small overall investment</li> </ul>
Rabies (Post-Exposure)	<b>✓</b>		<ul> <li>Prevents mortality of suspected cases</li> <li>Pro-poor; Asia elimination goal; small overall investment</li> </ul>
	0		Major global public health agenda

Polio (IPV)

Special case: opportunity to contribute to eradication

- Major global public health agenda
- Time-sensitive decision



## Next steps in phase II and expected outcomes

Landscape: 60+ vaccines

WHO analysis: VIS candidates (15)

VIS phase I: shortlist (6)

VIS phase II: (?)

- Next steps:
  - Consultations
  - Updated and integrated demand forecasts and impact estimates
  - Implementation feasibility and operational costs review
  - Benchmark against current GAVI vaccines
- Expected outcomes:
  - November recommendation: future vaccine priorities
  - Considerations for implementation
  - GAVI application process
  - 2018: re-evaluate vaccine landscape





www.gavialliance.org