

Workshop 1: Drivers and barriers to a sustainable vaccine ecosystem

Drivers to a sustainable vaccine ecosystem (1)

- Profit and ROI
 - “Efficient” profit – one to which suppliers and consumers can agree
 - Return on investment for donors and governments, as well as global stakeholders (e.g., clear public health impact)
 - Clear business case for individual vaccines, including data on disease burden and cost implications to inform decision making
- Public demand (*not need*)
 - Educating health care workers on the value of vaccines
- Multiple effective suppliers to reduce monopolies and secure supply
- Adapted procurement policy linked to healthy market and healthy competition

Drivers to a sustainable vaccine ecosystem (2)

- Financing for R&D as well as the fruits of R&D (with recognition of need for differing options):
 - Push investment for R&D (e.g., PDP model)
 - Pull investment for R&D
 - Need for incentives which specifically target adapted vaccines for LMICs
- Political prioritization of health biosecurity
- Prioritization and articulation of public health targets (to inform market opportunities)
- Political will across the vaccine lifecycle (to invest, implement, evaluate, improve)
- Empowering developing country manufacturers (e.g., technology transfer)
- Balance of public-private perspectives for global public goods and distinction of the roles of each sector

Barriers to a sustainable vaccine ecosystem (1)

- Market uncertainty
 - Epidemiology, cost-effectiveness, demand, price
- Political prioritization
 - Competing priorities or distortion due to crises
 - Political instability
- Regulatory barriers
 - Associated costs for compliance
 - Coherence and convergence of requirements
- Lack of ability to pay

Barriers to a sustainable vaccine ecosystem (2)

- Technology and disease science
- Opportunity cost vs. investment in drug development, which can be more lucrative
- Opaque costs from manufacturers
- Programmatic challenges
 - Supply chain and cold chain storage
 - Health care worker education
- Anti-vaccine movement/complacency