PERSPECTIVES ON IMMUNIZATION SUPPLY CHAINS

prospects and opportunities for the future

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Random Thoughts... On the supply chain...
In the context of our work in global development
Innovation and the Long Road...
Documenting success... And... Perspectives on...
Future Approaches
“Everything should be made as simple as possible, but not simpler.”

Albert Einstein
Complexity...
Figure 1: Tariff removal has been successful in increasing trade


No-brainers

Benefit per dollar spent for various development targets, $

- Trade liberalisation: $2,011
- Access to contraception: $120
- Reducing tax evasion
- Increasing migration
- Reducing stunting
- Reducing tuberculosis
- Reducing malaria
- Greater pre-school access in sub-Saharan Africa
- Increasing circumcision for those at risk from HIV
-Reducing coral loss

Source: Copenhagen Consensus Centre
The global under-five mortality rate has almost halved since 1990

Global under-five, infant and neonatal mortality rates, 1990–2012

- Under-five mortality rate
- Infant mortality rate
- Neonatal mortality rate

Source: UN Inter-agency Group for Child Mortality Estimation (IGME) 2013.
THE FUND COULD HAVE BIG IMPACT FOR ~$50M IN TOTAL COST/YEAR

<table>
<thead>
<tr>
<th>Options</th>
<th>Annual Investment ($M/yr)</th>
<th>Unequipped facilities (% of total target facilities)</th>
<th>Poor performing tech (%) of total target facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Off-grid</td>
<td>$25-35M</td>
<td>30%</td>
<td>15%</td>
</tr>
<tr>
<td>2 On-grid and off-grid</td>
<td>$40-55M</td>
<td>23%</td>
<td>13%</td>
</tr>
</tbody>
</table>

ILLUSTRATIVE FACILITY PROCESS FLOW

- Country approach
- Funding as part of comprehensive strategy

GLOBAL: ACTIVITIES MANAGED AND COORDINATED THROUGH GAVI ALLIANCE AND NEWLY CREATED HUB

COLD CHAIN INNOVATIONS SUCH AS THE P6 CAN OPEN UP NEW APPROACHES TO ISC SYSTEMS

- The backbone of the P6 is opening the door to explain and describe delivery methods
  - Enables 1-2 days to remote locations on a regular basis

SYSTEM REDesign STRATEGY

- Challenges addressed:
  - Poor forecasting/inventory management
  - Ugly canceled shipments
  - Slow movement of vaccines
  - Sub-optimal use of staff
  - High uptake cost/low dose

- Benefits of system redesign:
  - Streamline existing systems in a number of countries to improve by making them
  - Reduce cost and
  - Develop a new system for others

- System redesign

- COST and

- Coordinated/implemented

- WE WILL HELP SET UP THE HUB TO FULFILL A GLOBAL COORDINATING ROLE

- Placeholder for further discussion

- We provide a full suite of services to help set up the hub to fulfill a global coordinating role.

- Parallel processes that are part of or support the hub

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