GAVI Alliance immunisation supply chain strategy

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Geneva, Switzerland
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Challenge to the immunisation supply chain: higher volumes, doses and vaccine cost

Growing volume (cm³) to vaccinate per child

Increase in number of doses

Introduction of more expensive vaccines

Increase in stock keeping units

Supply chain requirements

2010

2020

~4x

~5x

~6x

~2x

Note: All figures relate to GAVI-funded vaccines
Supply chain strategy developed in a collaborative Alliance process

**Review of strategy in eight Steering Committee workshops**

**Consultations with PPC and board members**

**Countries**
- Baseline analysis drawing on discussion with 25 country level experts
- Surveyed >25 EPI managers
- Presentations at regional EPI managers meetings
- Direct consultations

**Global health community**
- 67 members actively involved through working groups
- Presentation at workshops and conferences

**Private sector/other partners**
- Consulted on strategy with ~35 private sector and other partners
- Presentation at World Vaccine Congress

Source: GAVI Alliance Task Force
Result was a comprehensive strategy

Save children's lives and protect people's health by increasing access to immunisation in poor countries

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1. Currently EVM

Source: GAVI Alliance Task Force
Putting fundamentals in place in every country and supporting redesign

Supply chain managers
Ensure supply chain manager with right capabilities, authority and accountability is in place in every country

Supply chain management and improvement plans
Support development and implementation of comprehensive supply chain management plans

Supply chain dashboards
Establish visibility of supply chain performance and use to improve management through dashboard

Review of system design
Support priority countries in improving system design

Initiative ownership

unicef
World Health Organization

Supply chain strategy taskforce

Source: GAVI Alliance Task Force
Strategy encourages countries to consider supply chain convergence and partnership with private sector

**Supply chain convergence**

Opportunities for economies of scale, streamlining and clarification of roles and responsibilities

Build on existing projects e.g. Project Optimize, Deliver. Countries already integrating supply chains e.g. Senegal, Ethiopia, Nicaragua

**Private sector and social enterprises**

Opportunities in parts of supply chain to leverage expertise and services

Case studies show private sector can play effective role in managing or supporting parts of supply chains

Gains possible – requires strong change management and technical assistance. Decision by countries based on local circumstances and needs.

Source: GAVI Alliance Task Force
Catalytic investments aim to contain cost increase but increased funding needed

Annual estimated/projected immunisation supply chain costs ($m)

- **Country funding**
  - 2013 costs: 300-340
  - Additional costs in 2020: 120-140
  - 2020 costs before optimisation: 450-860
  - Impact of system optimisation and redesign: 750-1200
  - 2020 costs after optimisation: 150-300

- **Other donors**
  - HSS funding: 600-900
  - Additional costs in 2020: 280-480
  - 2020 costs before optimisation: 270-320
  - Impact of system optimisation and redesign: 50-100

- **HSS funding**
  - 2013 costs: 25

Annual supply chain costs will rise ~2.5x from 2013 to 2020

Source: BCG Analysis, GAVI Alliance task force preliminary estimates and projections based on 53 GAVI eligible countries. To be updated based on DOV estimates.
Recommendations for the Board

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

**Approve** the GAVI Alliance immunisation supply chain strategy

**Approve** US$3 million* to be added to the 2014 Business Plan for implementation activities of the immunisation supply chain strategy

* Canada has provided US$18.3m (CAN$20m) end of year funds for 2014 and 2015 to support implementation of the strategy, subject to Board approval

Source: GAVI Alliance Task Force