

The Pan American Health Organization (PAHO)
Revolving Fund
for Vaccine Procurement

Vaccines Supply Shortages
Challenges & Opportunities

Developing Country Vaccine Manufacturers Network (DCVMN)

Bangkok, Thailand

6 October 2015

www.paho.org/immunization
www.paho.org/revolvingfund



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Content

- **The PAHO Revolving Fund**
- **Supply Shortages Challenging the Americas**
- **Opportunities for Preventing and Managing Vaccine Supply Shortages**



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First, the good news!

Media coverage on rubella elimination | April 29-30, 2015

A collage of various news articles and social media posts related to the elimination of rubella in the Americas. The central focus is a large article from TIME magazine titled "Americas Region Becomes World's First to Eliminate Rubella". Other visible headlines include "German measles eradicated in Americas", "The Americas region becomes the first to successfully eliminate rubella", "Vaccines Don't Cause Autism, Even in Kids at Higher Risk", and "Continente americano é declarado livre da rubéola". The collage also features images of medical professionals, vaccine vials, and social media interactions.

Key Enablers for Success

**High Level of
Commitment from
Member Countries**



Partnership

“MR and MMR
manufacturers, among
others”



**The PAHO
Revolving Fund**
“Facilitating Access”



The PAHO Revolving Fund in Numbers

**The PAHO
Revolving
Fund**

**1979:
35 Years**

46 vaccines



29

syringes and
cold chain products



31 providers



41 countries and territories
in Latin America and the Caribbean

Vaccination
coverage
in the Americas

93%

for diphtheria-
tetanus-
pertussis

Over

95%

of vaccine costs
covered with
national funds

15 million

people vaccinated
through the fund in 2013

\$573 M

Procured Value

Working capital
of more than

150

million
60-day credit line to countries

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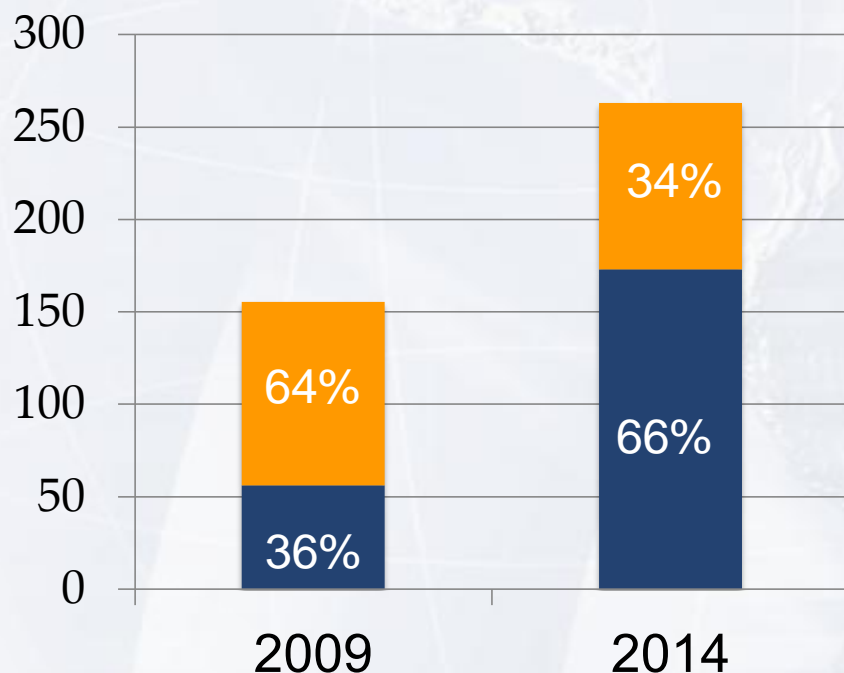


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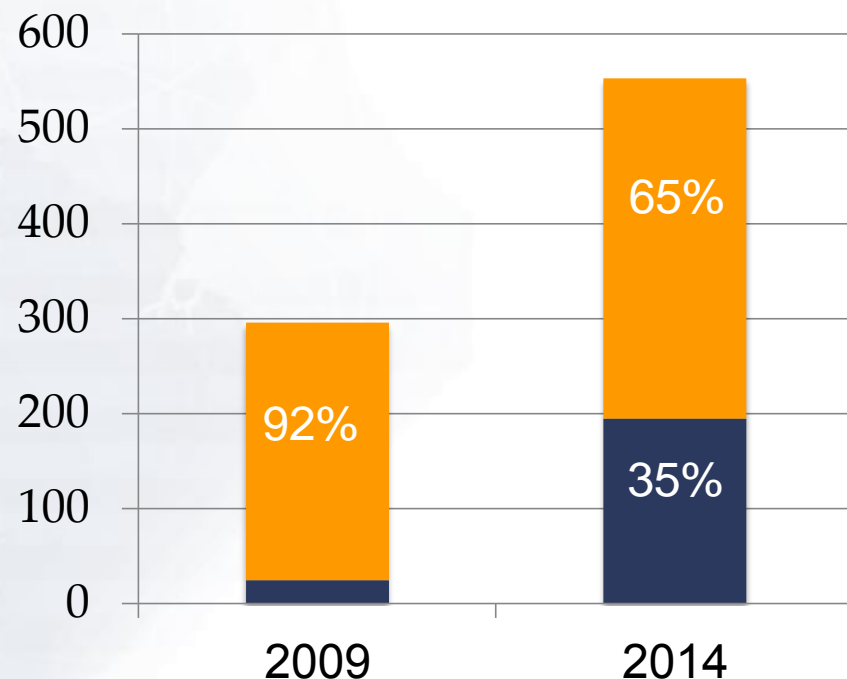
“Every year more vaccines are delivered by DCVMN manufacturers through PAHO Revolving Fund”

Volume (Million doses)



■ DCVMN ■ Others

Procured Value (US\$ Million)



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A faded, light blue background image of a globe, centered on the Americas. The map shows the continents of North and South America, with a grid of latitude and longitude lines. The text is overlaid on the left side of the globe.

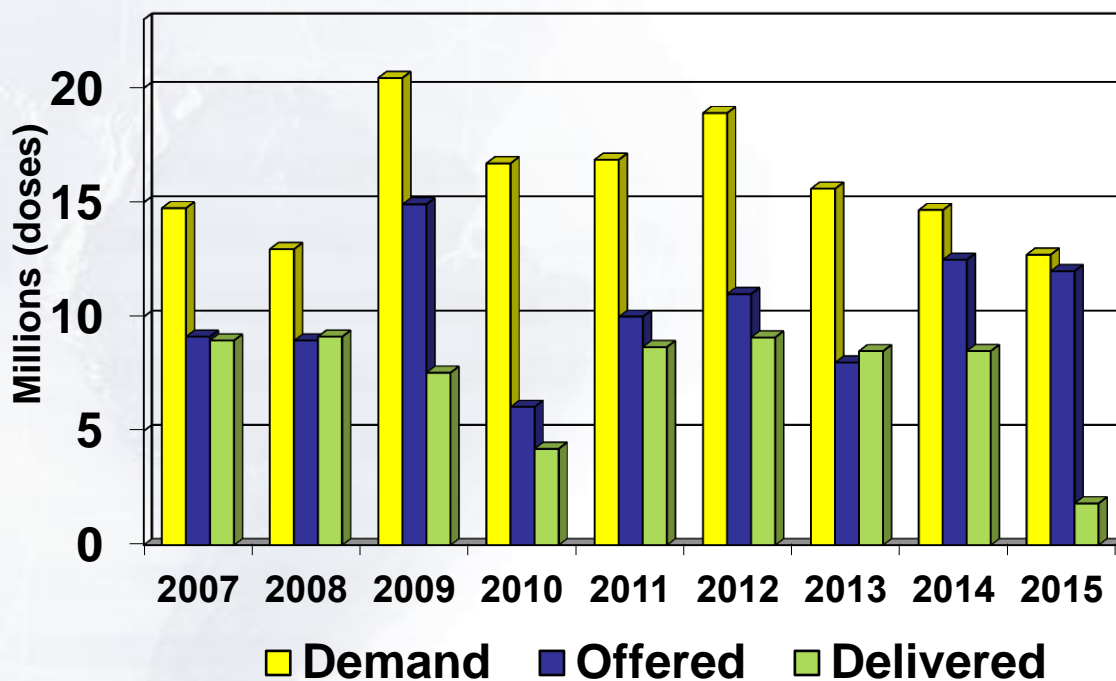
Supply Shortages Challenging the Americas

*“The **yellow fever virus** poses the greatest threat in 45 endemic countries, 32 in Africa and **13 in Central and South America**, where altogether almost **900 million people are at risk**.”*

“Yellow Fever Initiative” WHO/HSE/GAR/ERI /2010.3



6-8 Million doses gap every year for the Americas



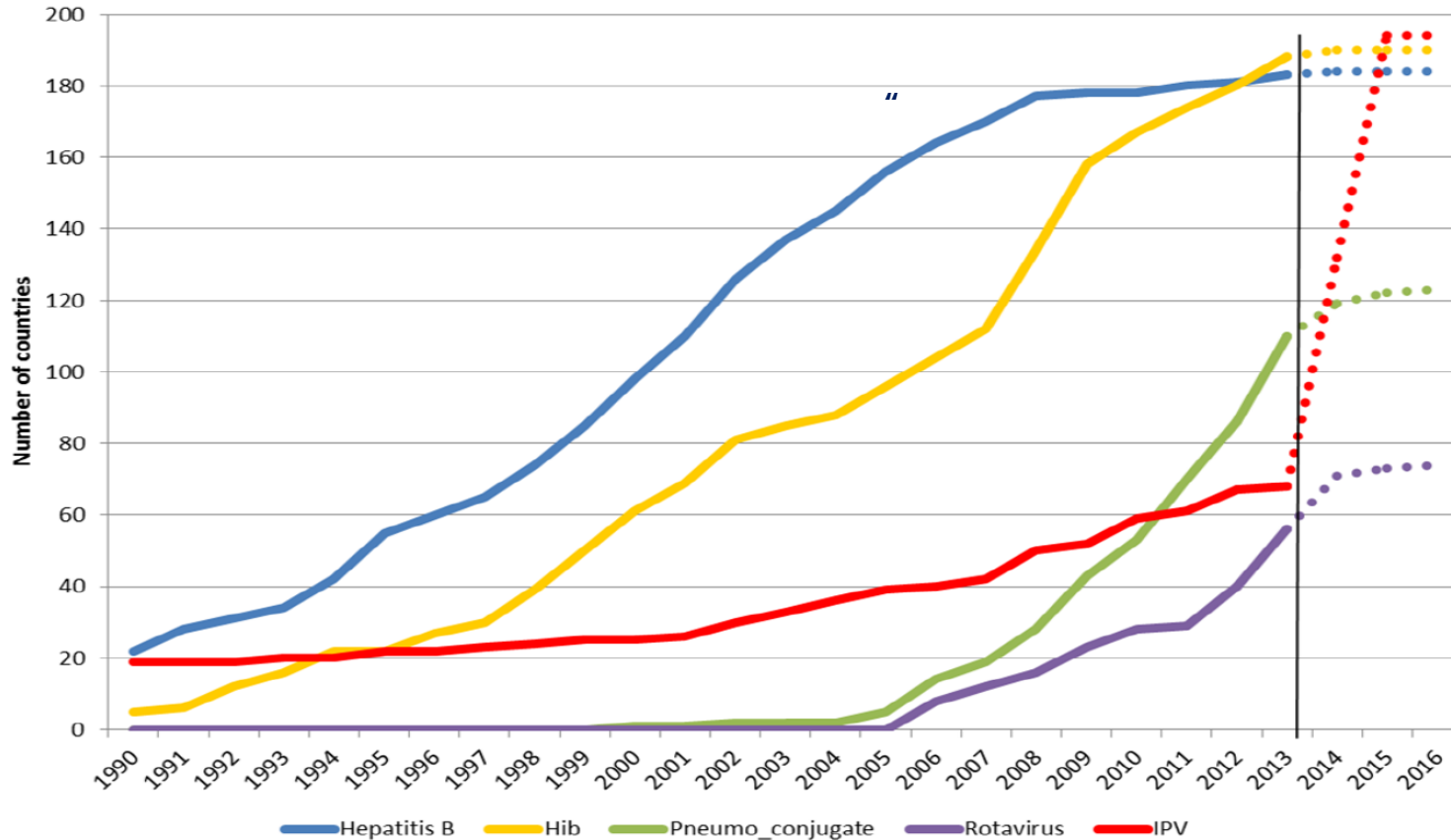
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The IPV Uptake Challenge

“WHA ask in 2012 for the Polio Endgame Strategic Plan requires IPV introductions in....



126
Countries

20
Months

2
Manufacturers

Source: UNICEF SD.
OPV/IPV supply and demand, including planning for the switch from tOPV to bOPV. Vaccine Manufacturer Consultation. October 2014, Copenhagen



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Opportunities for Preventing and Managing Supply Shortages



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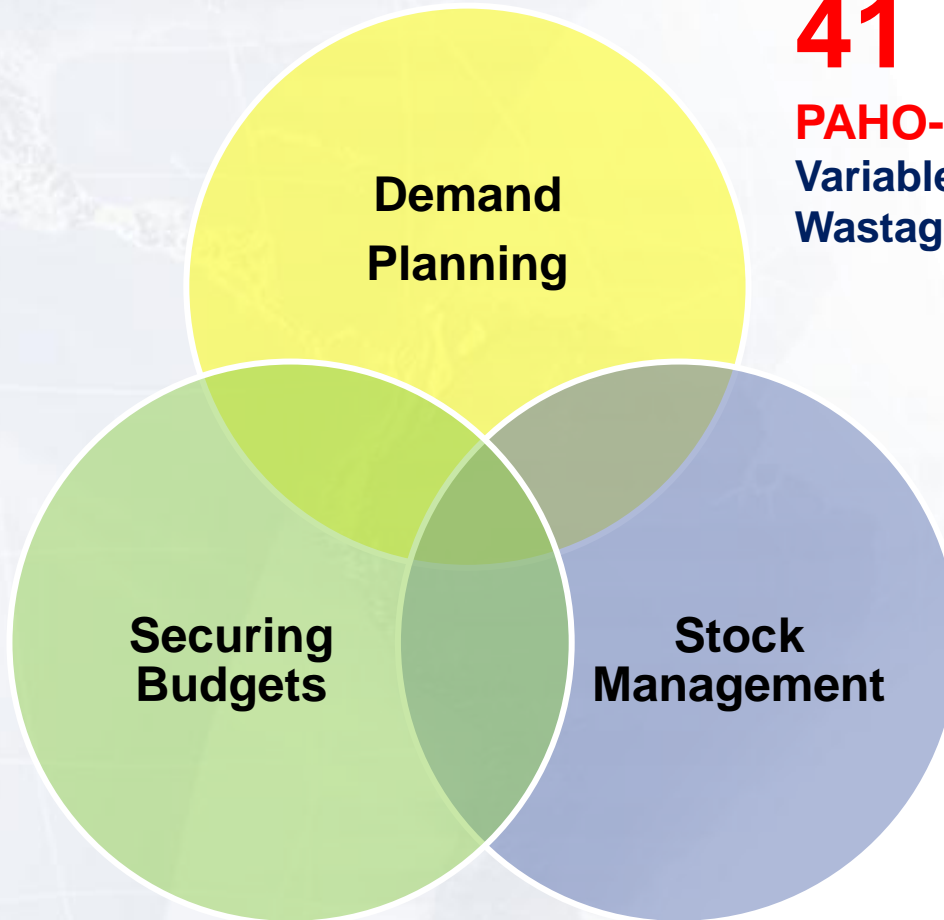


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At Country Level:

Preventive elements to avoid vaccine shortages

15 National
Immunization
Laws with
**national budget
line for vaccine
purchasing**



41 Countries use
PAHO-173 Forecasting tool
Variables: Target Population,
Wastage, Stock Levels

Honduras #1
Nicaragua #2
Guyana #5

of 104 carried
Effective Vaccine
Management (EVM)
Assessments globally



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Mitigation Measure at Country Level: Yellow Fever

Allocation based on epidemiological criteria

Vaccination strategies and planning are based on accurate risk assessment

| Priority I | Priority II | Priority III |
|---|---|--|
| <ol style="list-style-type: none">1) Vaccination of susceptible population residing in enzootic areas and neighboring municipalities (avoid revaccination)2) Vaccination of people traveling to those areas for work or recreation.3) Rapid coverage monitoring | <p>Those vaccinated as Priority I and</p> <p>Routine vaccination of children aged 1 year.</p> | <p>Those vaccinated as Priority II and</p> <p>Continuing with vaccination in stages, by vaccinating in regions or departments where migration originates or according to levels of <i>Aedes aegypti</i> infestation.</p> |

**Enzootic areas
and travelers**

**Routine
vaccination**

**Immunization
campaigns by
stages**

Preventive Measure at Regional Level

PAHO Revolving Fund Approach to Prevent Supply Shortages

Procurement

- Long term agreements (3 years) for selected vaccines
- Allocate supply on behalf of participating countries and from multiple manufacturers, as possible
- 60-days credit line to countries

Product

- Standardized Packaging and Labeling
- 12 Months of minimum shelf life required
- Most countries do not request or have fast Track registration for vaccines procured through Revolving Fund

Coordination

- Communicating needs to WHO PQ
- Communication with manufacturers and Partners (UNICEF, WHO, Gavi)



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Mitigation Measure at Regional Level

Joint Supply Allocation of IPV

EPI Managers of Americas with PAHO Revolving Fund

“Countries are looking to introduce 2 up to 4 dose IPV schedules...but there is no sufficient supply, thus a regional strategy was defined:”

Sustain

IPV schedules already introduced by countries (i.e Peru 2 d schedule, Uruguay 4 dose schedule)

Assign

as supply increase, the 2nd or 3rd dose for countries that planned IPV multiple dose schedules

2015

2016

2017

Ensure

1 dose is introduced by rest of countries by end 2015 (GPEI goal)

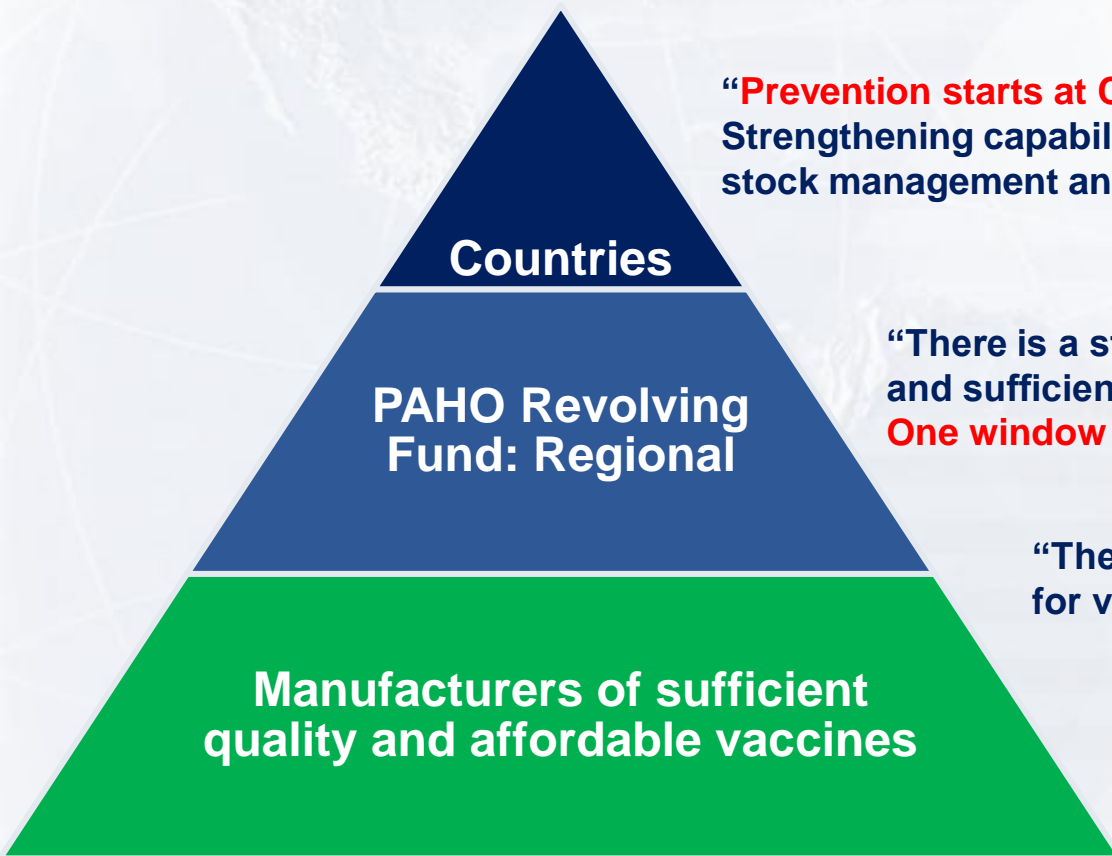


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In Conclusion, in the Americas...



“Prevention starts at Country Level

Strengthening capabilities on demand planning, stock management and securing national budgets

“There is a strategic mechanism to facilitate timely and sufficient supply”

One window to access 41 countries & territories

“The above offers market opportunities for vaccine manufacturers for:

- **Yellow Fever,**
- **IPV → Hexavalent**
- **DPT,**
- **PCV,**
- **New vaccines (PCV, Rota, HPV)**
- **Others**



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¡Adiós Rubéola!
¡Vamos por más!

Bye Bye Rubella!
Let's go for more!



Thank you

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