



Update on vaccination status in the Americas

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La Región de las Américas

OPS

35 Estados Miembros

4 Miembros Asociados

(Puerto Rico, Aruba, Curazao, San
Martin)

3 Estados Participantes

12 Territorios (6 Reino Unido, 3
Francia, 3 Holanda)

2 Estados Observadores

(Portugal y España)



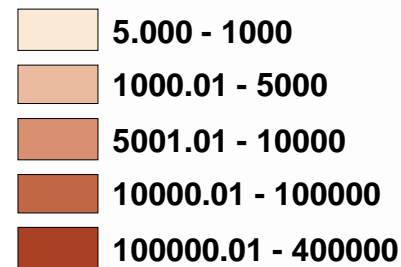
Población (2014):

981.373.000

**Media anual de
nacimientos:**

15.595.200

2014 Población (miles)



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PAHO Directing Council Resolution CD25.R27, 1977

- ✓ The Expanded Program on Immunization (EPI) of the Americas was created in 1977 as a **Regional Immunization Program**
- ✓ The Revolving Fund for Vaccine Procurement was launched in 1979 as a procurement mechanism for essential vaccines, syringes and other related supplies without interruption



Milestones in the 39 years of the EPI in the Americas

1977

PAHO's
Directing
Council
establishes
the EPI



1979	Creation of the Revolving Fund
1980	Creation of international evaluation methodology for the EPI
1983	"Days of Tranquility"
1985	Creation of the EPI Technical Advisory Group
1985	Creation of the Interagency Cooperation Committee
1991	Last indigenous case of polio in Peru
1994	Declaration of the goal to eliminate measles
1994	1 st Region certified free of polio
2003	1 st Vaccination Week in the Americas
2006	Launch of the Pro-Vac initiative and new vaccines introduction
2010	Directing Council resolution on strengthening the EPI (RIVS)
2012	1st World Immunization Week
2013	Directing Council resolution on the principles of the Revolving Fund
2015	1st Region free of rubella
2015	Directing Council resolution on the Regional Immunization Action Plan
2016	OPV Switch

2016

2017

40 years of
the EPI in the
Americas

We are going for
more...
elimination of
measles and
perinatal
hepatitis B



PROGRESS OF THE EPI IN THE AMERICAS

1977 ➤ 2015

6
VACCINES



10
DOSES/
CHILD <1YR



5 MILLION
CHILDREN <1YR



US \$5
PER VACCINATED
CHILD <1YR



CHILD
VACCINATION



15
VACCINES



20
DOSES/
CHILD <1YR



15 MILLION
CHILDREN <1YR



US \$70
PER VACCINATED
CHILD <1YR

LIFE COURSE
VACCINATION



Impact of the Immunization Program in the Americas

Morbidity

Disease	# Cases before the Vaccine	# Cases after the Vaccine
Polio	2,989 (1980)	0 (2014)
Endemic rubella	125,056 (1997)	0 (2014)
Congenital Rubella Syndrome	80 (2000)	0 (2014)
Diphtheria	5,570 (1980)	9 (2014)
Neonatal tetanus	803 (1980)	10 (2014)
Measles	257,790 (1980)	1,996 (2014)

Mortality

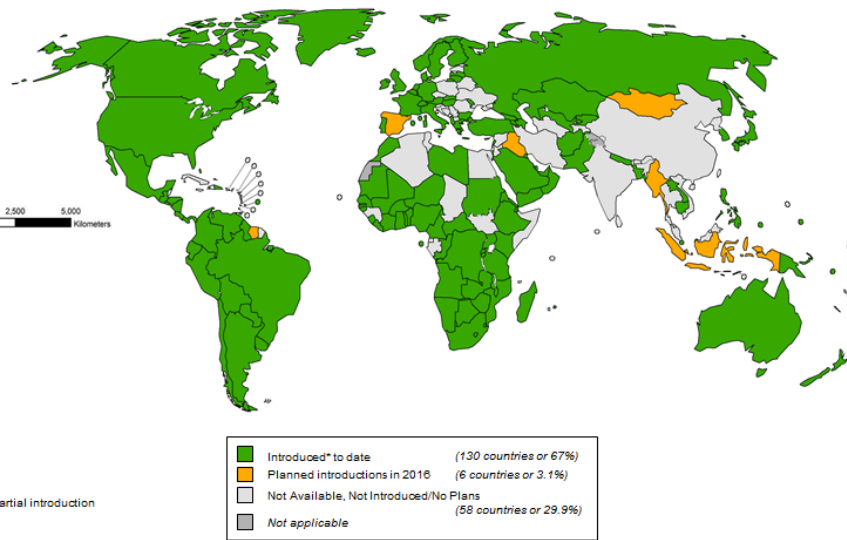
Disease	# Deaths before the Vaccine	# Deaths after the Vaccine
Polio	18 (1980)	0 (2014)
Measles	950 (1990)	0 (2014)
Neonatal tetanus	116 (1996)	3 (2014)
Rotavirus	15,000 (2004)*	7,238 (2013)*

* PAHO estimations 2013

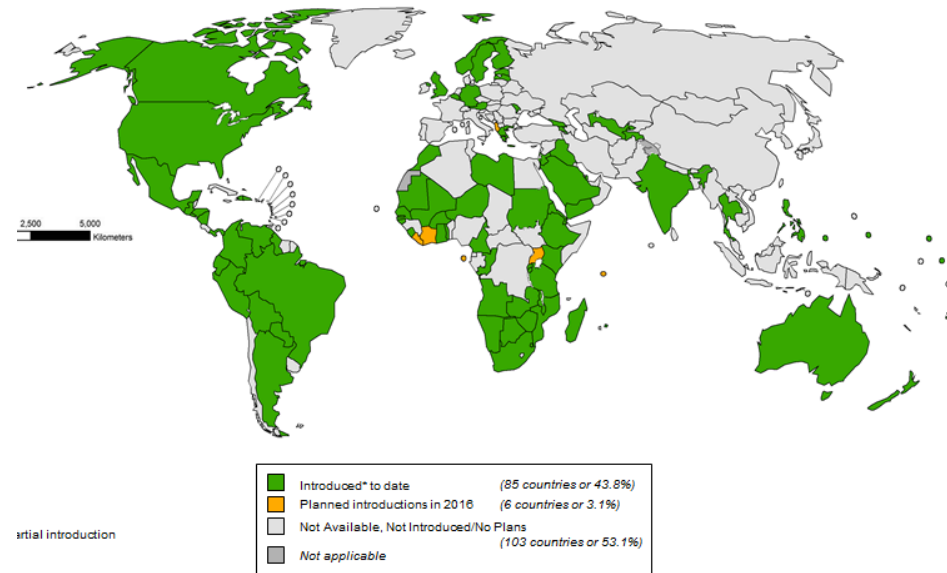
Source: Country reports to the PAHO-WHO/UNICEF Joint Reporting Form (JRF)

Global Evolution of the EPI, 2016

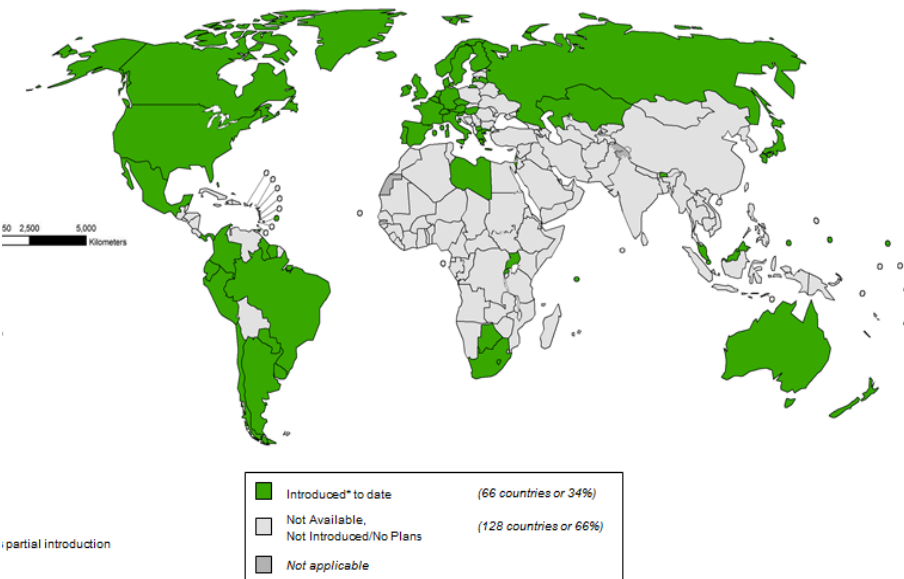
Countries with Pneumococcal Conjugate vaccine in the national immunization programme; and planned introductions in 2016



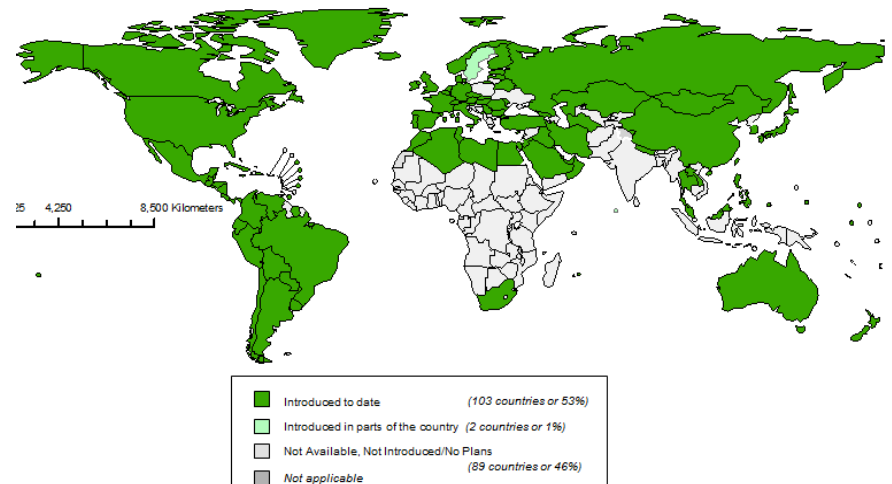
Countries with Rotavirus vaccine in the national immunization programme; and planned introductions in 2016



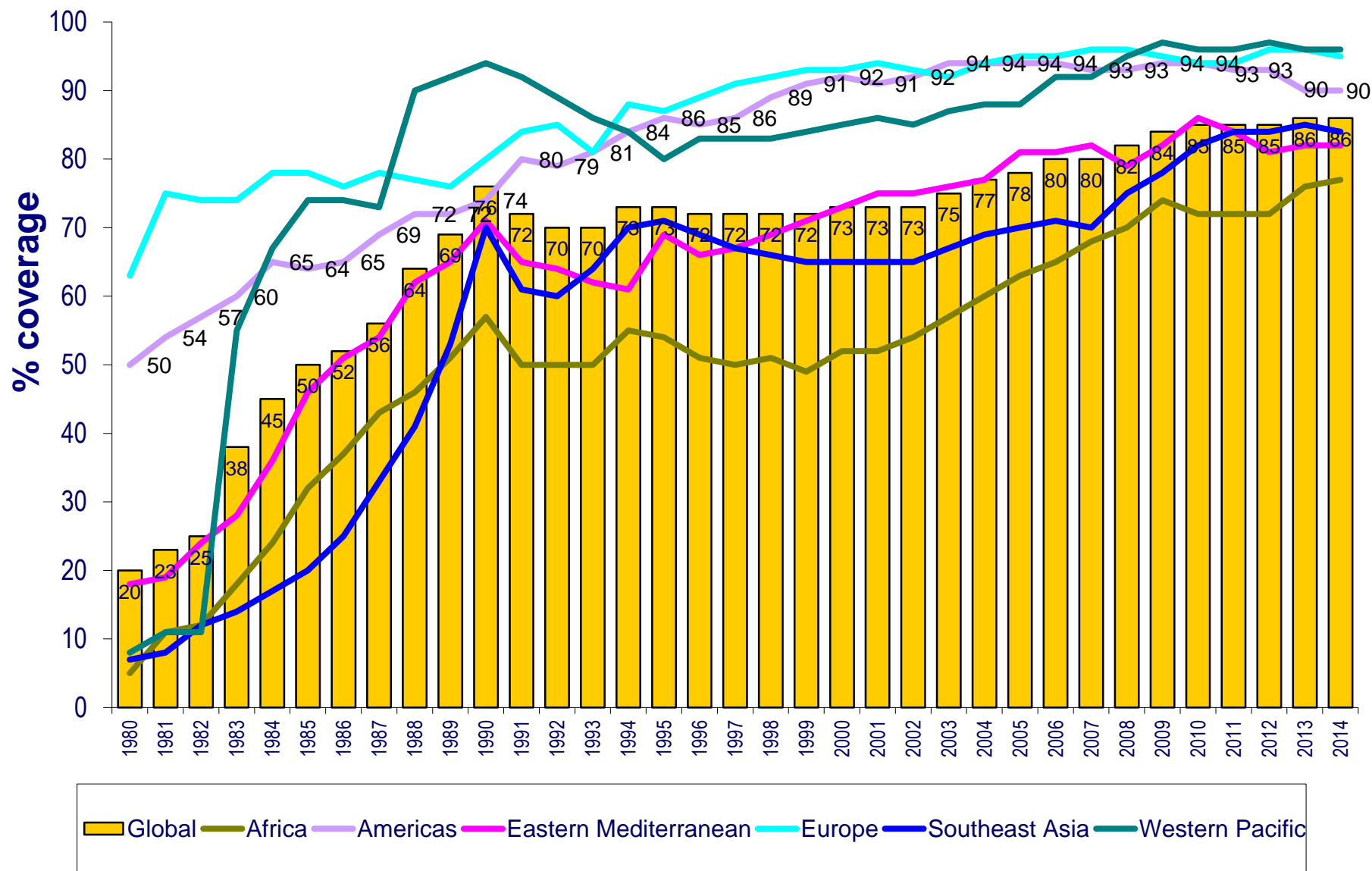
Countries with HPV vaccine in the national immunization programme



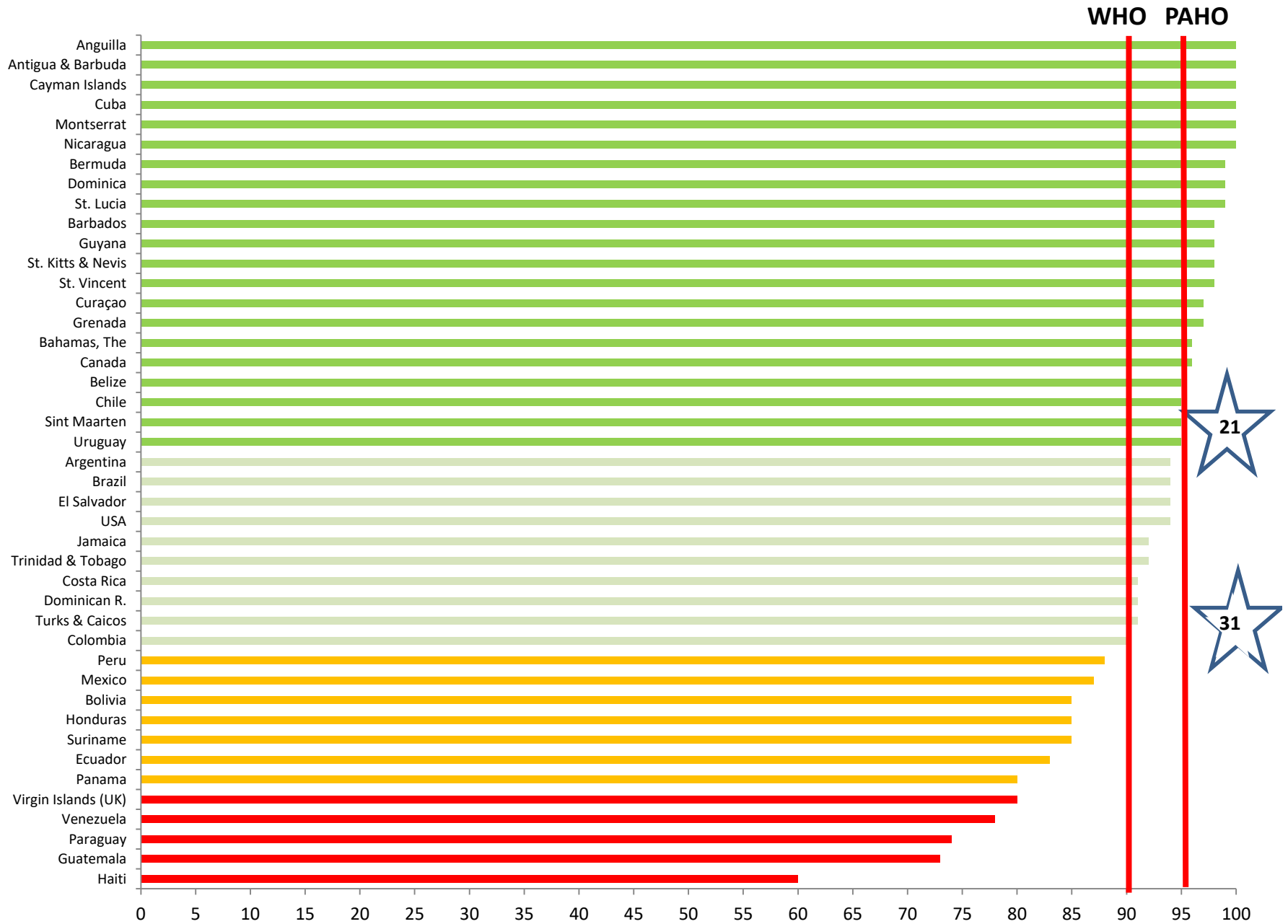
Countries with Influenza vaccine in the national immunization programme



Global and Regional DTP3 Coverage, 1980-2014



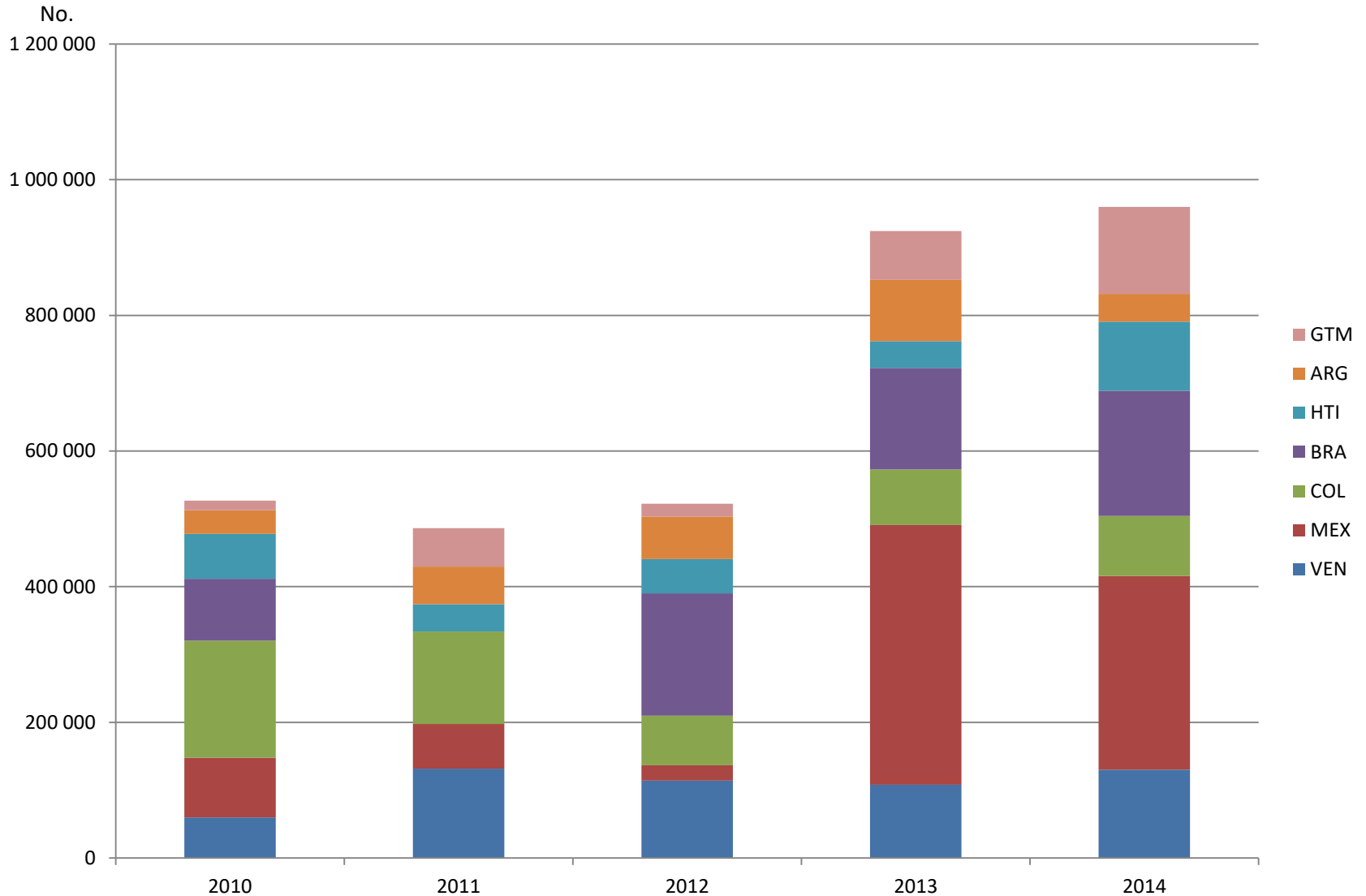
DPT3 Coverage in the Countries of the Americas, 2014



Variation of DPT3 Coverage in Selected Countries, 2010 to 2014

Country	2010	2011	2012	2013	2014
Guatemala	94	85	96	85	73
Ecuador	100	100	100	87	83
Honduras	100	100	88	87	85
Panama	94	87	85	80	80
Haiti	69	85	81	85	60
Suriname	96	86	84	87	85
Mexico	95	97	99	83	87
Virgin Islands (UK)	87	92	98	85	80
Peru	93	91	95	88	88

Number of Unvaccinated Children (DPT3) by Year and by Country. Selected Countries in the Americas, 2010-2014



Source: Country reports through the PAHO-WHO/UNICEF Joint Reporting Form (JRF), 2014.

Policy process for new vaccine introduction in Latin America and the Caribbean

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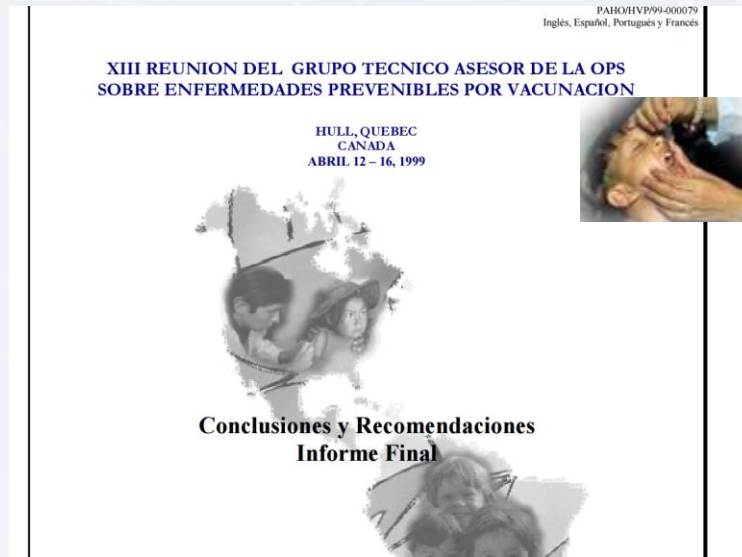
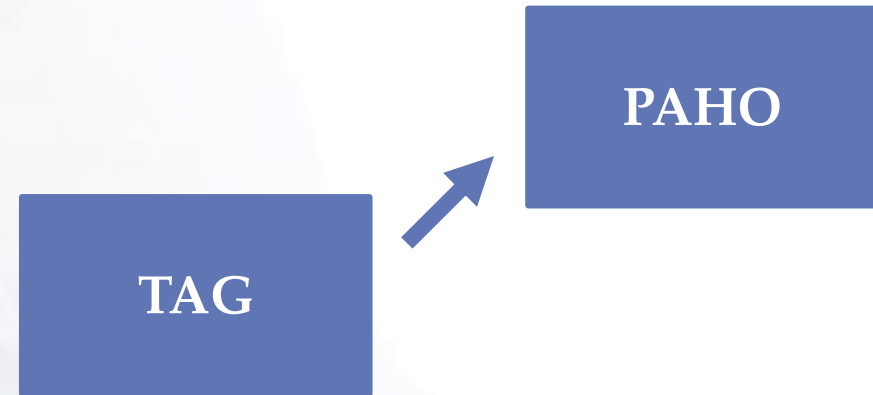


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- **1985**: in the context of regional efforts to eliminate poliovirus in the Americas, PAHO convenes a regional technical advisory group to formulate evidence-based recommendations specific to the Region

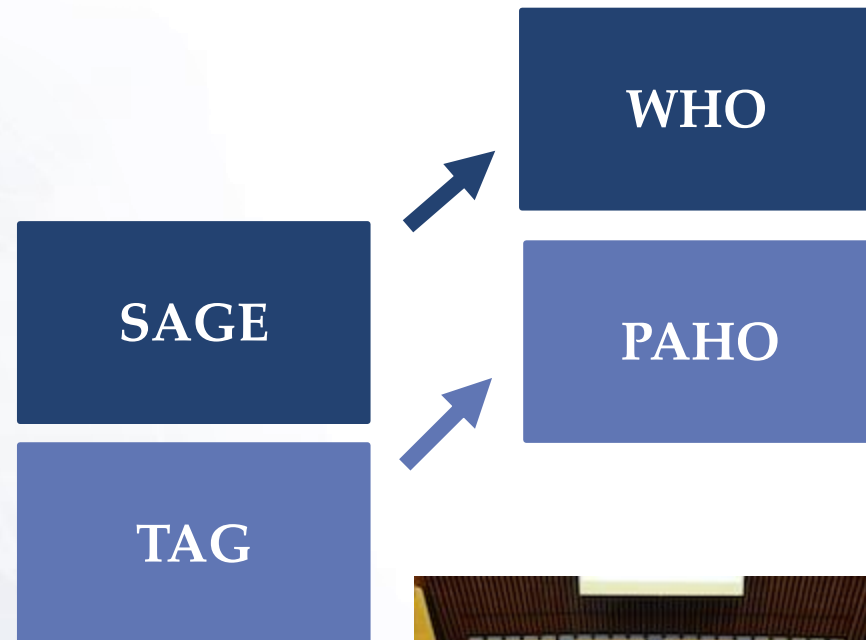
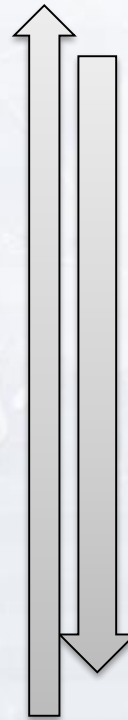


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- **1999:** WHO convenes a global-level committee to advise on immunization and vaccine related policy, which is the main input into the WHO vaccine position papers

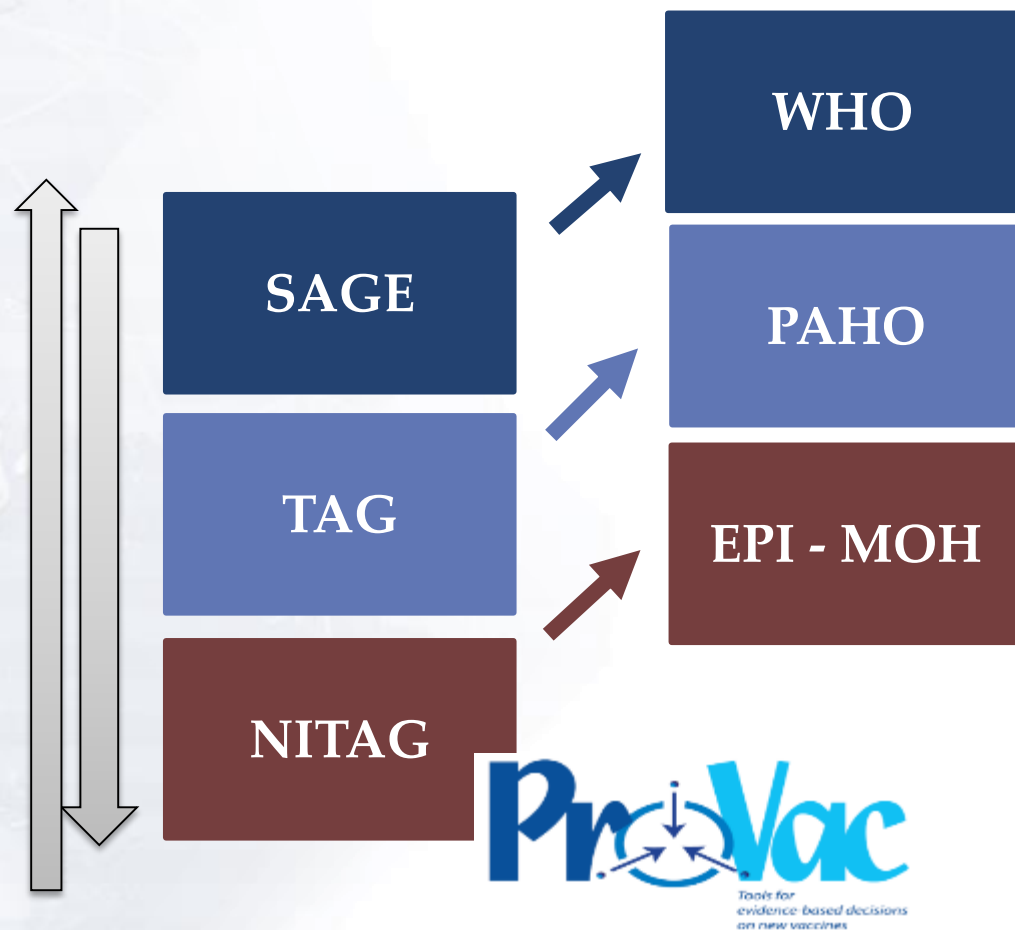


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- **2000+:** In recognition of the diverse set of national contexts that follow WHO/PAHO recommendations, global push to promote the establishment of national advisory bodies charged with providing independent, expert advice on vaccines and immunization at a country-level



<http://www.paho.org/provac>



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Considerations for new vaccine policymaking

Disease burden

Vaccine characteristics

- Immunogenicity
- Efficacy/effectiveness
- Duration of protection
- Type-specific protection
- Dosage

Safety and adverse events (harms)

Cost-effectiveness

Technical

Vaccine supply

Logistics & operational issues

Financing strategies

Partnerships

**EVIDENCE
PACKAGE**

Acceptability

Perception of risk

Political will

Equity

**Operational &
Programmatic**

Social

Source: Andrus, JK., Toscano, CM., Lewis, M., Oliveira, L., et al. 2007, "A model for enhancing evidence-based capacity to make informed policy decisions on the introduction of new vaccines in the Americas: PAHO's ProVac Initiative", *Public Health Reports*, 122(6): 811-816.

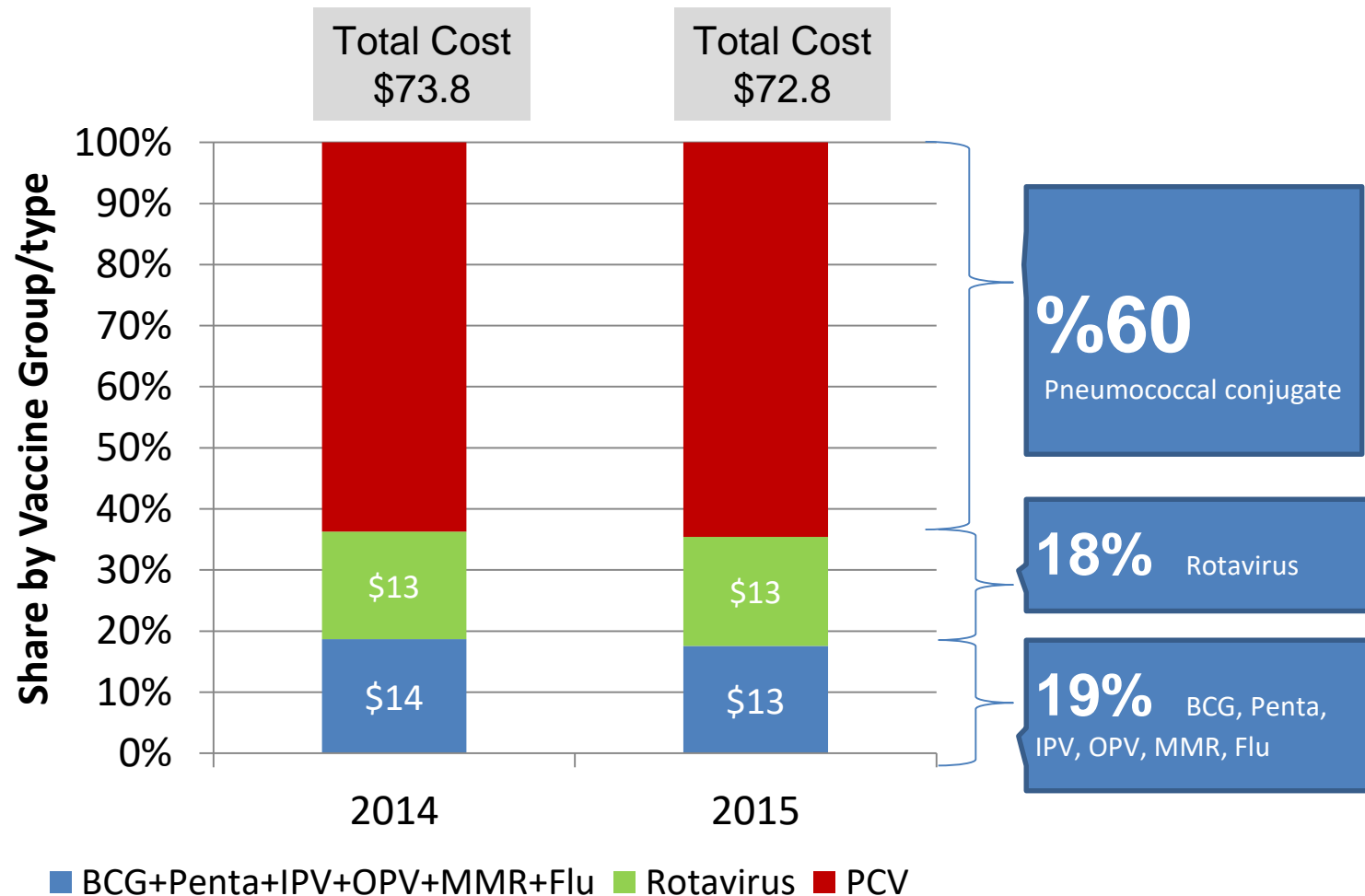


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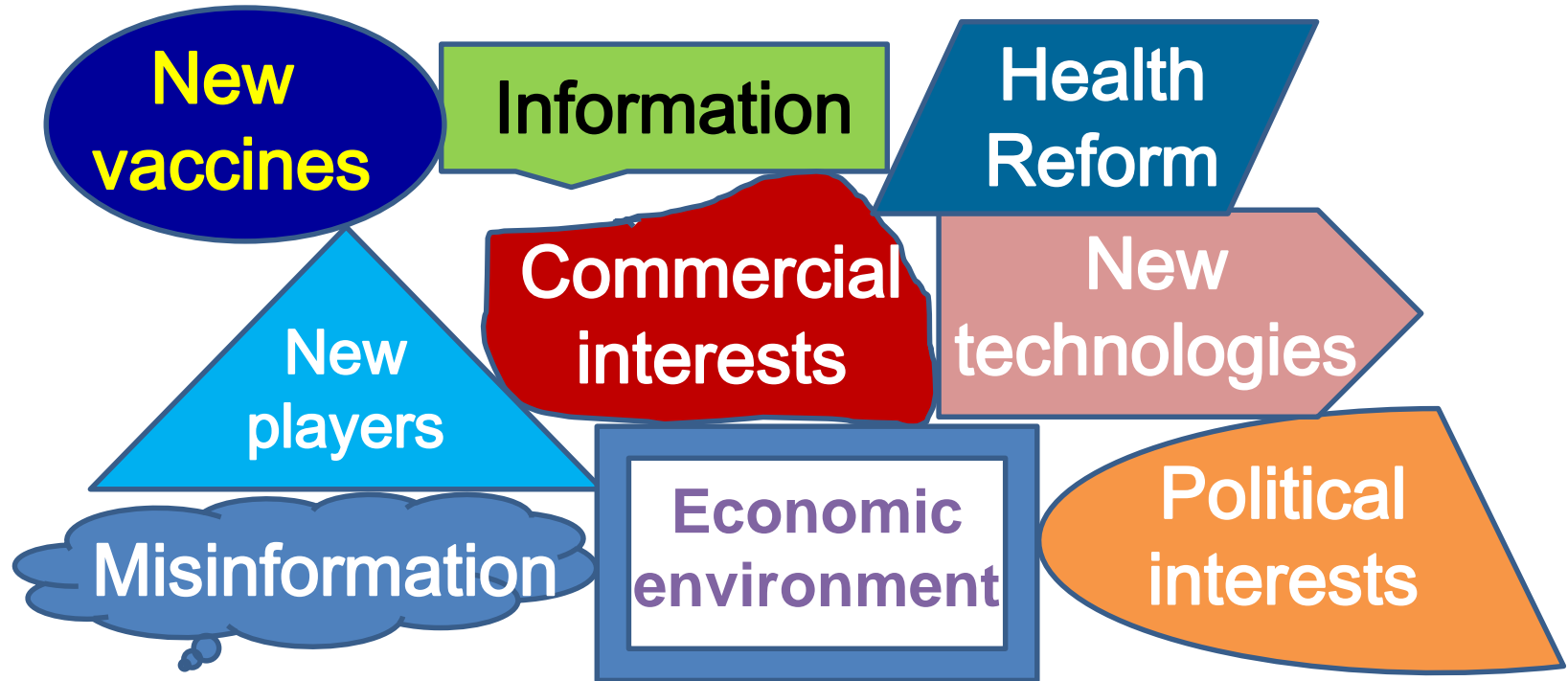


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Total Cost of Vaccines to Protect a Child Against 13 Vaccine Preventable Diseases



Dynamics and challenges



REGIONAL IMMUNIZATION ACTION PLAN (RIAP)

POLIO ERADICATION & ENDGAME STRATEGIC PLAN 2013-2018

Organization and Content of RIAP, 2016-2020

Vision of the RIAP

"The population of the Region of the Americas is protected against vaccine-preventable diseases and the Member States promote universal and equitable access to immunization services, with safe and affordable vaccines throughout the life cycle"



STRATEGIC AREAS OF THE RIAP

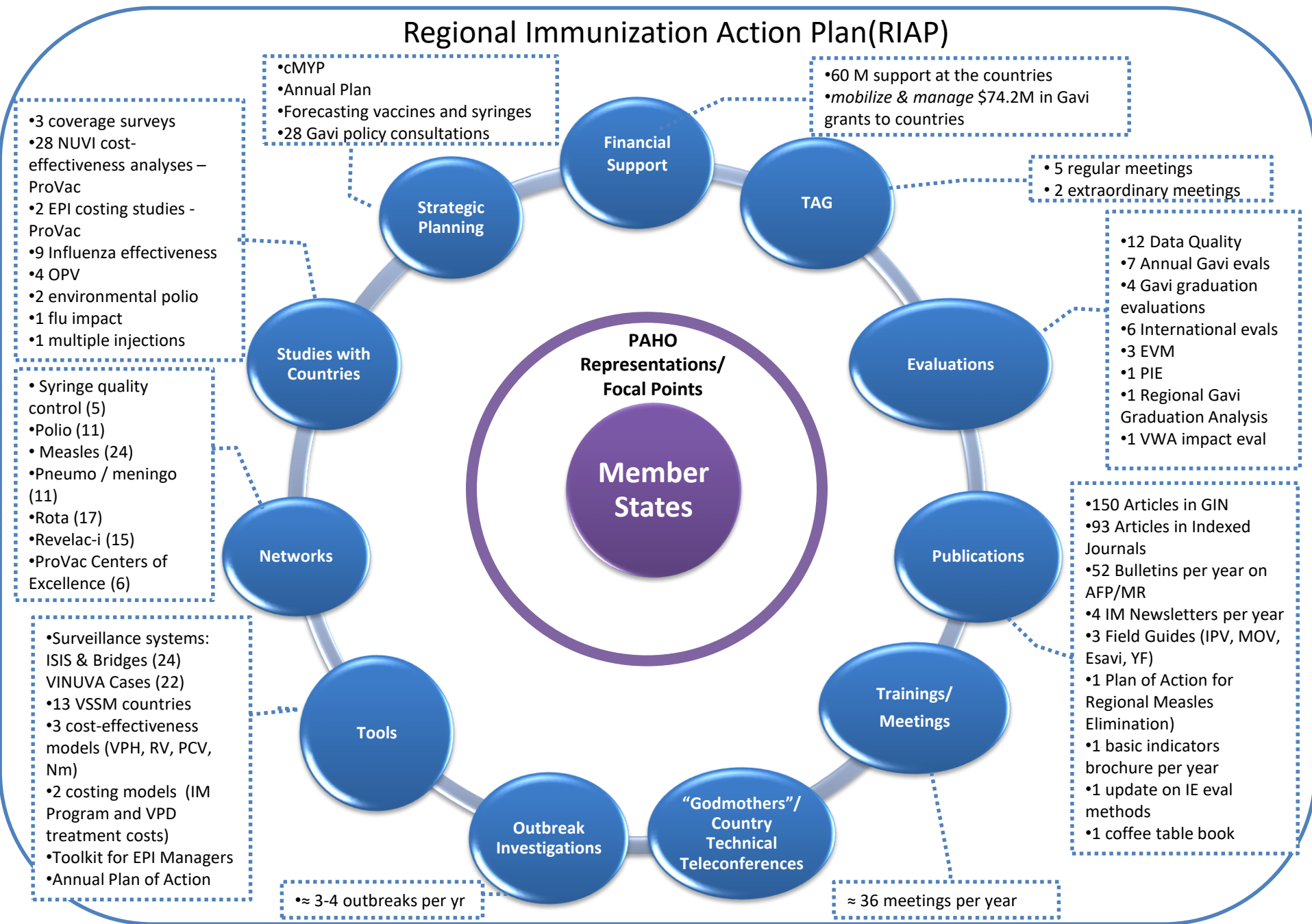
1. Sustain the achievements

2. Complete the unfinished agenda

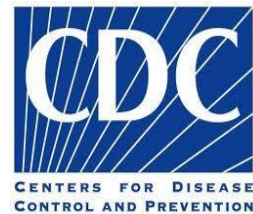
3. Tackle new challenges

4. Strengthen health services for effective vaccine administration

Technical Cooperation to Member States, 2011-2015



Coordination with Partners



RUTGERS



Thank you!

