

Pan American Health Organization



Regional Office of the **World Health Organization**

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Ensuring Injection Safety during Rubella Immunization Campaigns in the Americas



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2003, 2006 & 2007 Directing Council Resolutions Call Member States to:

44th DC, September 2003

(g) "eliminate rubella and congenital rubella syndrome from their countries by the year 2010...

47th DC, September 2006

(a) "implement policies and operational strategies to meet the rubella and CRS elimination target by 2010...";

59th DC, October 2007

"...congratulates all Member States and their health workers for progress to date, expresses appreciation to all participating and supporting entities, and urges Member States to establish national commissions to document and verify measles, rubella, and CRS elimination, for ultimate review by an expert committee to be formed by PAHO."



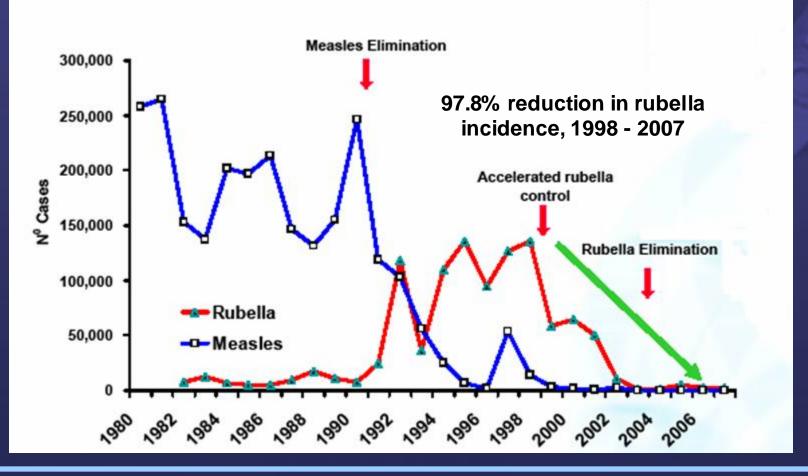


- 2007 2008
- Elimination in process
- Eliminated

Crysmisseckön Panamericana de la Salud Strikterinski stat

Source: Country reports

Impact of Rubella and Measles Elimination Strategies. The Americas 1980 – 2007*



* Includes rubella and measles cases reported to PAHO. Epidemiological week No. 33 / 2007



Source: Country reports

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Objectives

Evaluate the use of single-use injection equipment

□ Assess the use of safety boxes

□ Analyze waste management



Methods

Evaluation of information gathered through an internet survey responded to by immunization program national managers within the PAHO region.

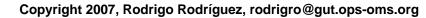


St Vincent & The Grenadines

Safety

Construction of the second of the second sec

6320	In 2006 was there an activity workplan for:		(a) immunization injection safety?		Yes
6330			(b) waste management?		<pickone></pickone>
	Injection equipment (excluding reconstitution syringes)			Were they used for routine immunization?	Number of districts using them
6340	Auto-disable (AD) syringes			Yes	17
6350	Non-AD disposable syringes			Yes	17
6360	Sterilizable syringes No			No	NONE
6370	Were safety boxes distributed with all vaccine deliveries to vaccination sites?				Yes
6380	Was there a national system to monitor ESAVI /adverse events following immunization? (instruction)				Yes
6390	If yes, how many total ESAVI/adverse events, including suspected or confirmed, were reported to the national level in 2006?				NONE
6400	If yes, how many were categorized as "serious" adverse events (instructions)				
6401		Operational aspects of program:			N /A
6402	Of ESAVIs related to vaccination, how many were due to:	Vaccines :			N /A
6403		Undetermined:			N /A
6404	Of all reported ESAVIs, how many occurred in groups of persons?				
6410	What was the national policy or recommended practice for disposal of immunization waste in 2006? Pick "yes" for all that apply.		<u>(instructions)</u>	Incineration	Yes
				Open burning	Yes
				Burial	Yes
				Other	Yes
				No policy	Yes
	Ovgenhaadön Prinsenetsana de la Salud				

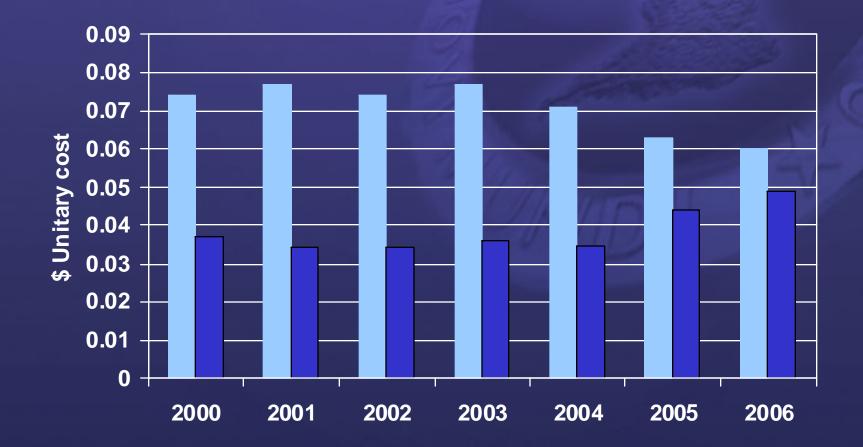


Type of Syringes Used During Rubella Immunization Campaigns

- □ Countries using AD Syringes
- Countries using Disposable Syringes
- Countries using Reusable Syringes



Cost of AD Syringes vs. Disposable Syringes





Source: PAHO EPI Revolving Fund



Rubella immunization campaigns in Totonicapán, Guatemala

Rubella immunization campaigns in El Quiche, Guatemala







Rubella immunization campaigns in Huehuetenango, Guatemala





Collection of syringes with needles attached

WHO – UNICEF cardboard safety boxes

Puncture resistant plastic safety boxes

 Locally available puncture resistant cardboard boxes or plastic bottles







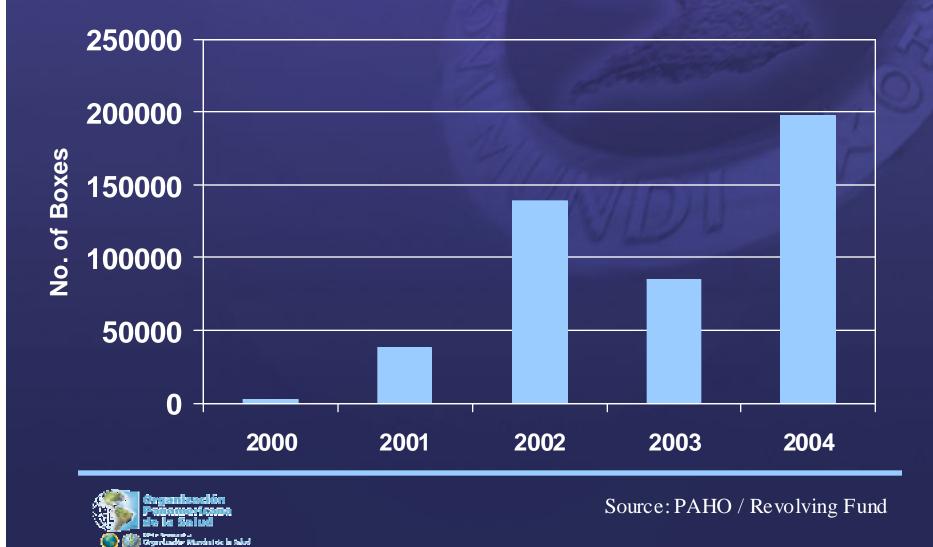


Treatment and disposal options for safety boxes when full

- On site burial
- Off-site treatment at a centralized facility
 - Autoclaving
 - High temperature incineration



Procurement of Healthy Boxes



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Rubella immunization campaigns in Guatemala City at the National stadium



Rubella immunization campaigns in El Quiche, Guatemala inside of the buses during a national strike





Rural area of El Quiche, Guatemala







Health care workers, Huehuetenango Guatemala

Bananera Dole, Retalhueleu Guatemala







Rubella immunization campaign. Dominican Republic





However.....



Unsafe injection practices







Misuse of safety boxes





Managing waste unsafely and inappropriately



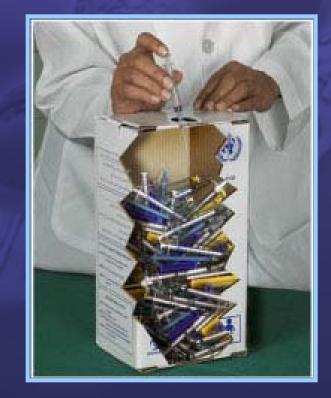




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Results

- During these campaigns in the Americas, the injection safety policy of WHO was successfully implemented;
- 36 countries used single-use injection equipment.
- The use of auto-disable syringes and safety boxes is increasing.
- During these campaigns some countries provided appropriate medical waste transport. Whether or not there was a waste recollection system in place, acceptable waste treatment methods were used.





Conclusions

The availability of appropriate equipment and supplies has guaranteed the use of sterile devices and safety boxes in vaccine campaigns in the Americas. However, there is a need to improve waste disposal methods of the waste produced by the Expanded Immunization Program.





Helen Keller and Anne Sullivan, 1897, Quelle: <u>lcweb2.loc.gov</u>

Deafness is worse than blindness, because while blindness cuts you off from things, deafness cuts you off from people.

Helen Keller



Helen de Bonilla and Alex, 2007. Guatemala. PAHO

