Cholera in Latin America
Lessons from history

Mirta Roses Periago
Director
PAHO/WHO – Washington DC
Spread of cholera within the Americas, 1990s

- Origin still unknown
- Explosive emergence in Peru in January 1991 followed by quick spread to other countries
- By December 1991, 15 countries affected
- Rural areas most affected
- All age groups and genders were affected.
- CFR range from 1.5% to 13.5%

Map adapted from R Tauxe and al. EID, Vol. 1,No 4 – October–December 1995
Spread of cholera within the Americas, 1990s

- June 1991: First case in Mexico and then Central America
- 1993: Reached peak in Central America with 48,000 cases
- 1997: 2,600 cases were reported in Central America
- By December 1997: 21 countries of the region were affected with a total of 1,199,804 cases, including 11,875 fatalities, CFR% 1%
- 1998: re-emergence in Central America after Hurricane Mitch
- March 2002: last case in Central America recorded in Guatemala
- December 2003: Central America was declared free of cholera cases
- No cases recorded in Uruguay
- No cases recorded in Caribbean archipelago

Cholera and Inequity and Poverty, 1990’s

Cholera Incidence Rate
By per capita gross national product (GDP)
by country

Cholera case-fatality rate
By percentage of rural population in Peru’s Departments
1991-1993

Overcoming the challenge of cholera
Success factors in Latin America during the 90’s

• Cholera spreads in poverty:
  – limited water and sanitation access
  – rural areas
  – hard to reach communities, indigenous communities

• Success factors in Latin America to eliminate cholera:
  – WASH infrastructure investment
  – Community awareness and knowledge on prevention practices including hand washing, water chlorination and use of oral rehydration salts
  – Health systems strengthening in the context of primary health care
  – Case management in the context of the Integrated Management of Childhood Illnesses
  – Epidemiological surveillance, including laboratory integration