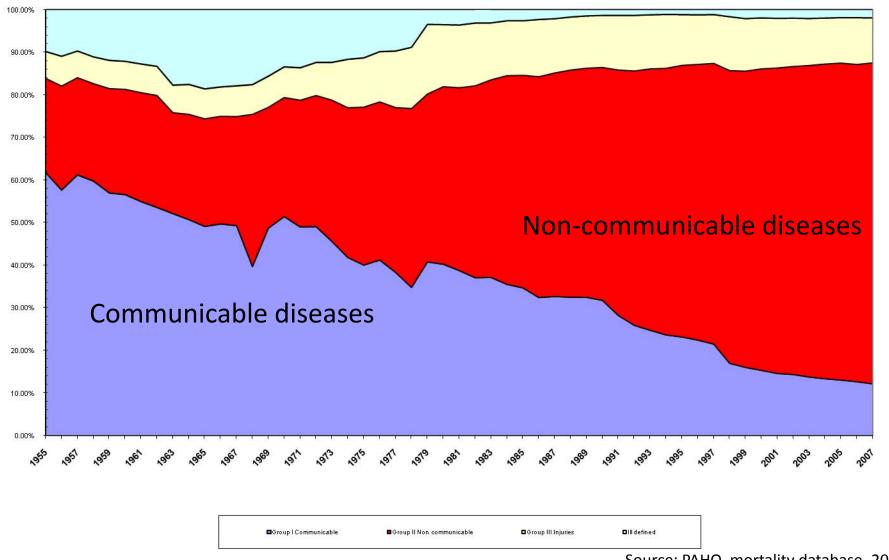
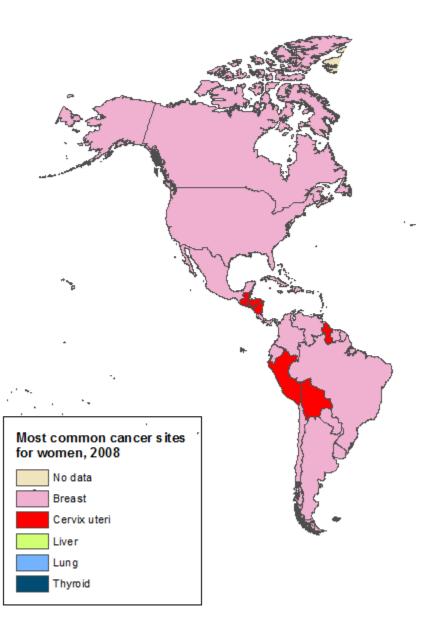
BREAST AND CERVICAL CANCER IN THE AMERICAS: Situation Analysis and Way Forward

Silvana Luciani Area of Health Surveillance, Disease Prevention and Control Pan American Health Organization/World Health Organization



Epidemiological Transition in LAC





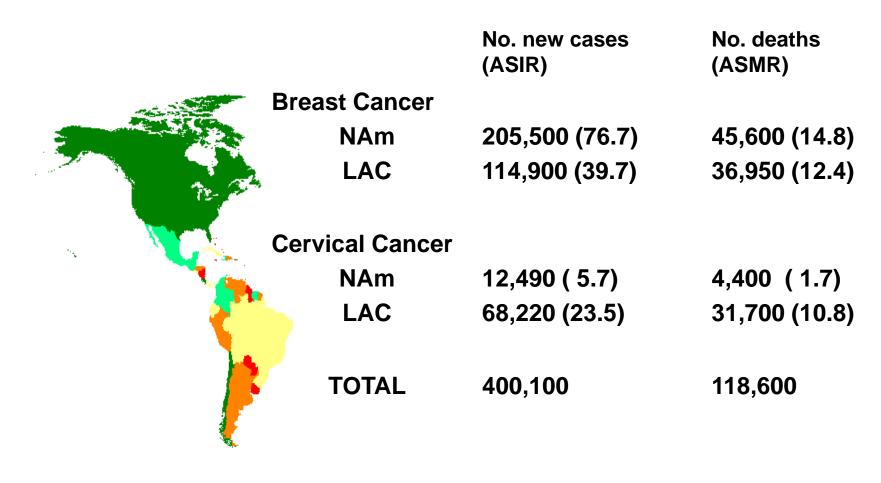
Breast cancer is the most common cancer in LAC.

Cervical cancer is also a significant problem.

Source: GLOBOCAN 2008.

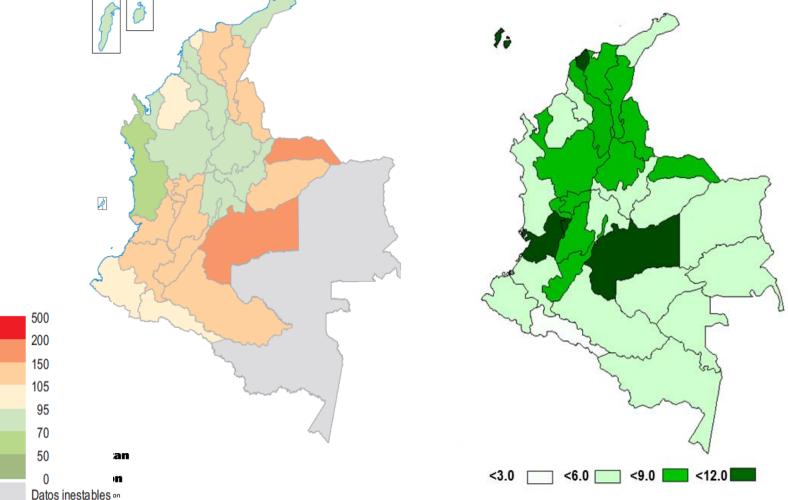
Breast and Cervical Cancer in the Americas

I Agency for Research on Cancer

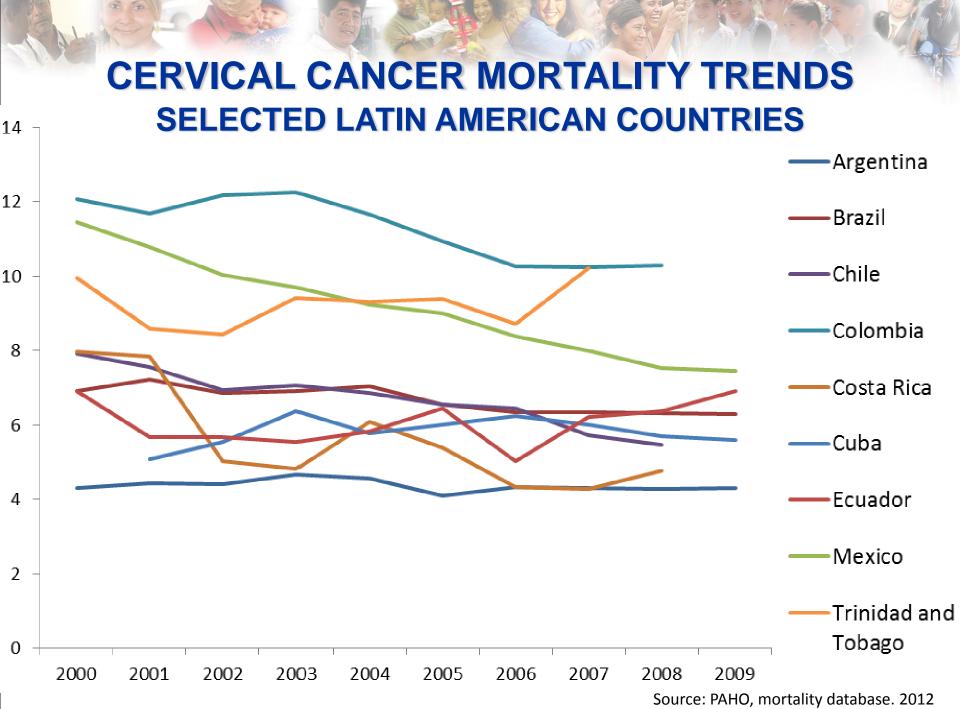


Within Country Disparities: The case of Colombia

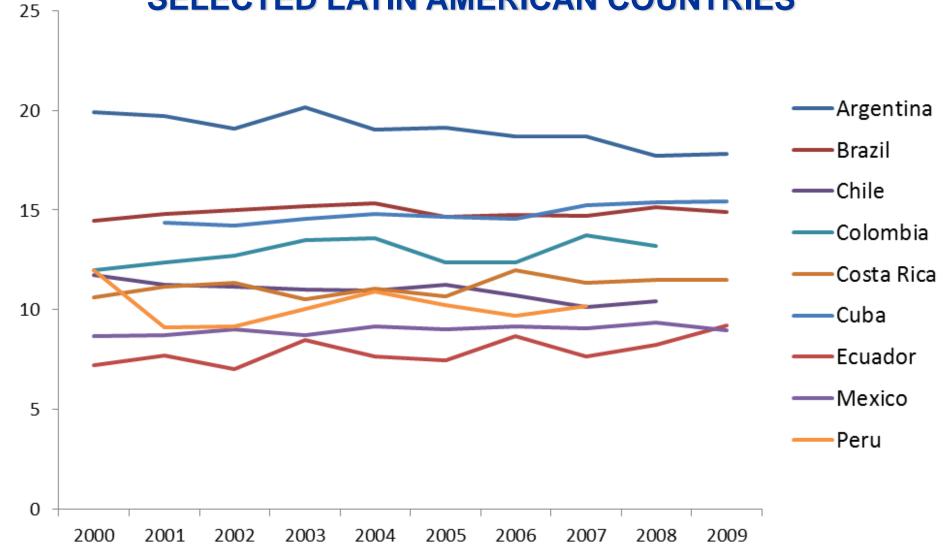
cervical cancer mortality breast cancer mortality



Source: Pedraza AM et al. Breast Cancer Res Treat 2012 & National Cancer Institute of Colombia, 2012

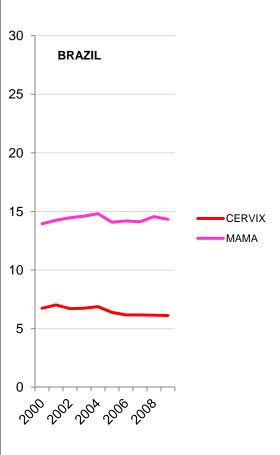


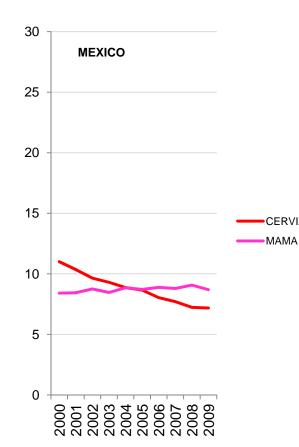
BREAST CANCER MORTALITY TRENDS SELECTED LATIN AMERICAN COUNTRIES

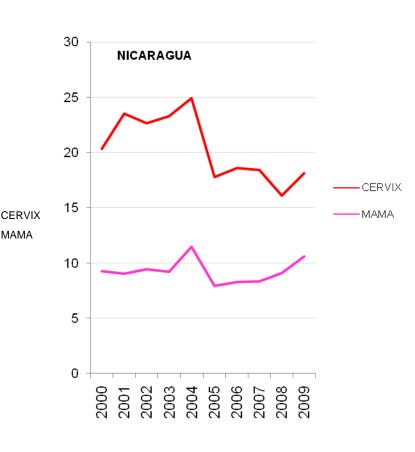


Source: PAHO, mortality database. 2012

Breast and Cervical Cancer Mortality: 3 Scenarios

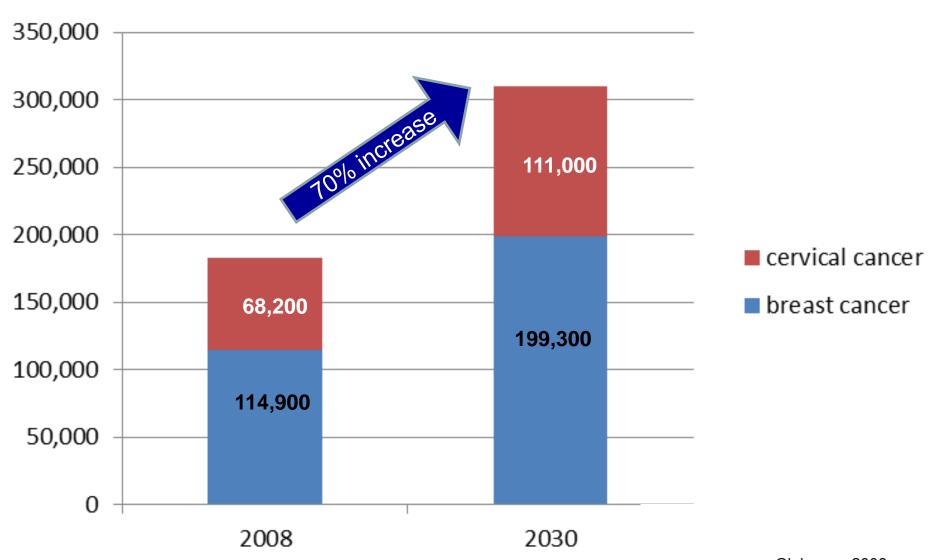








PROJECTIONS FOR BREAST AND CERVICAL CANCER INCIDENCE IN LAC



source: Globocan, 2008

COMPREHENSIVE CANCER PROGRAM

COMMUNITY

PRIMARY HEALTH CARE SECONDARY HEALTH CARE TERTIARY HEALTH CARE

PRIMARY PREVENTION

SCREENING & EARLY DETECTION

DIAGNOSIS, TREATMENT & PALLIATIVE CARE

- awareness
- -health education
- -counselling
- -HPV vaccination

-cxca screening: cytology,

- HPV test, VIA
 -breast cancer: clinical
 breast exam, mamography
- -pathology labs
- -surgery, radiotherapy, chemotherapy
- -supportive care, survivorship, palliative care

ORGANIZED PROGRAM

[training, quality control, cancer registry for monitoring and evaluation]

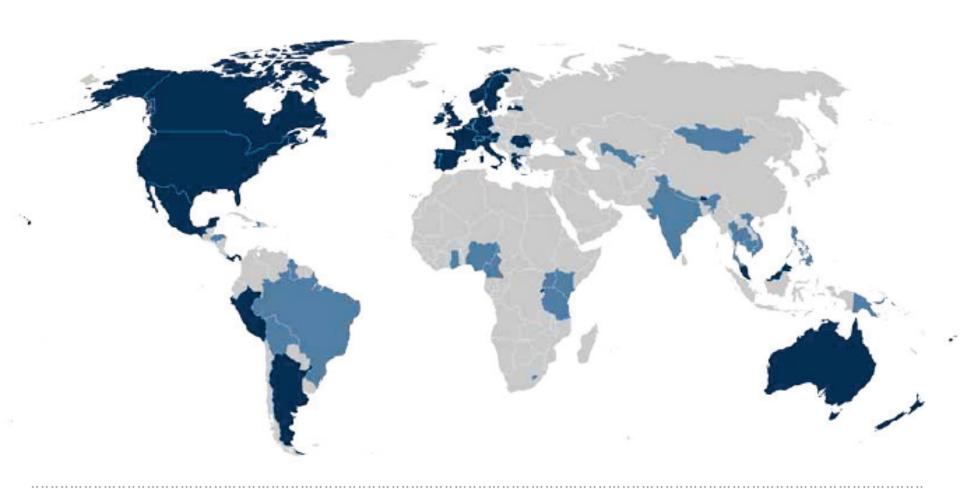


Capacity for Cancer Control In LAC

_		No. Countries (%)
National Cancer Plan		19/31 (61%)
Budget for the cancer program		12/19 (63%)
Monitoring and evaluation		12/19 (63%)
Screening services	cervical cytology	24/25 (96%)
	free service	21/24 (87.5%)
	clinical breast exam	24/32 (84%)
	free service	21/24 (87.5%)
	mammography	21/25 (59%)
	free service	8/21 (38%)
Chemotherapy available		23/25 (92%)
Radiotherapy available		17/25 (68%)
Oral morphine available		18/25 (72%)

Source: PAHO Survey of National NCD Program Managers, 2012

HPV VACCINE INTRODUCTION, 2012



- NATIONAL PROGRAMS: HPV VACCINE IN NATIONAL NORMS AND AVAILABLE ON A LIMITED OR UNIVERSAL BASIS THROUGH THE PUBLIC SECTOR
- PILOT PROGRAMS: HPV VACCINE AVAILABLE THROUGH PILOT OR DEMONSTRATION PROJECTS ORGANIZED BY THE MINISTRY OF HEALTH OR NGO PARTNERS
- NO HPV VACCINE PROGRAM

Source: Cervical Cancer Action. Progress in Cervical Cancer Pre The CCA Report Card

RESEARCH ON SCREENING TEST PERFORMANCE IN LAC

papillomavirus testing in cervical cancer prevention (MARCH): a community-based randomised controlled trial

Eduardo Lazcano-Ponce*, Attila Tibor Lorincz*, Aurelio Cruz-Valdez, Jorge Salmerón, Patricia Uribe, Eduardo Velasco-Mondragón, Pilar Hernandez Nevarez, Rodrigo Diaz Acosta, Mauricio Hernández-Avila

New Approaches to Cervical Cancer Screening in Latin America and the Caribbean

Rolando Herrero a,*, Catterina Ferreccio b, Jorge Salmerón c, Maribel Almonte d,e, Gloria Ines Sánchez^f, Eduardo Lazcano-Ponce^g, José Jerónimo h,i

Cost-effectiveness of conventional cytology and HPV DNA testing

for cervical cancer screening in Colombia

Oscar Andrés-Gamboa, MD,⁽¹⁾Liliana Chicaíza, PhD,^(1,2) Mario García-Molina, PhD,^(1,2) Jorge Díaz, MSc, (1.2) Mauricio González, MD,(1) Raúl Murillo MD, MSc,(1) Mónica Ballesteros MD, MSc, (1) Ricardo Sánchez MD, MSc. (1.2)

Cervical Cancer Prevention in Peru: Lessons Learned from the TATI Demonstration Project

Human Papillomavirus Testing in the Prevention of Cervical Cancer

Mark Schiffman, Nicolas Wentzensen, Sholom Wacholder, Walter Kinney, Julia C. Gage, Philip E. Castle

Cervical screening by visual inspection, HPV testing, liquid-based and conventional cytology in Amazonian Peru

Maribel Almonte^{1,2}, Catterina Ferreccio³, Jennifer L. Winkler⁴, Jack Cuzick¹, Vivien Tsu⁴, Sylvia Robles^{5,6}, Rina Takahashi⁷ and Peter Sasieni¹⁸

A Comparison of Single and Combined Visual, Cytologic, and Virologic Tests as Screening Strategies in a Region at High Risk of Cervical Cancer¹

REVIEW ARTICLE

Innovation in Cervical Cancer Prevention and Control in Mexico

Eduardo Lazcano-Ponce^a and Betania Allen-Leigh^b

CLINICAL ARTICLE

Cervical cancer screening with naked-eye visual inspection in Colomb

Raul Murillo a,*, Joaquin Luna b, Oscar Gamboa a, Elkin Osorio c, Jairo Bonilla d, Ricardo Ce Sophie FM Derchain Cecília Roteli-Ma and INC Cervical Cancer Screening Study Group

Comparison of HPV-based assays with Papanicolaou smears for cervical cancer screening in Morelos State, Mexico

Performance characteristics of Pap test, VIA, VILI, HR-HPV testing, cervicography, and colposcopy in diagnosis of significant cervical pathology

Adhemar Longatto-Filho · Paulo Naud · Sílvio Tatti · Luciano Serpa Hammes · Luis Otavio Sarian · Mojca Eržen · Margherita Branca · Jean Carlos de Ma Renata Gontijo · Marina Y. S. Maeda · Temístocles Lima · Silvano Costa · Stina Kari Syrjänen

Comprehensive evaluation of cervical cancer screening programs: the case of Colombia

Jorge Salmerón^{1,*}, Eduardo Lazcano-Ponce², Attila Lorincz³, Mauricio Hernández², Pilar Hernández², Ahideé

NEW STRATEGIES FOR CERVICAL CANCER SCREENING IN LAC



Visual inspection screening + cytology

HPV DNA testing

Visual inspection screening only





CHALLENGES TO SCALE UP NEW STRATEGIES IN LAC



competing public health priorities



limited awareness and demand



resistance to change

cost of new technologies



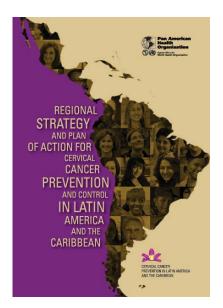
PAHO'S RESPONSE

- Mobilize political commitment
- Assess and plan cancer programs
- Technical cooperation & building capacity
- Access to vaccines, medicines, radiotherapy
- Multi-sector partnerships





PAHO REGIONAL STRATEGY FOR CERVICAL CANCER



- 1. Conduct a situation assessment
- 2. Intensify information, education and counseling
- 3. Fortify screening and pre-cancer treatment
- 4. Establish or strengthen information systems and cancer registries
- 5. Improve access and quality of cancer treatment and of palliative care
- 6. Generate evidence for decision making on HPV vaccine introduction
- 7. Advocate for equitable access and affordable comprehensive cervical cancer prevention



PAHO's Support for Cervical Cancer

Policies and guidelines

Needs assessment/program evaluation

Demonstration projects

Training of providers

PROVAC Initiative for HPV vaccines a cervical cancer screening

HPV vaccine monitoring and evaluation

Knowledge exchange





PAHO's Support for Breast Cancer

A review of breast cancer care and outcomes in Latin America









Training in mammography and breast ultrasound

BHGI Guidelines stratified to resource levels

- Considerate of shading services

 The property of young produces the services of the considerate of the consi
- early detection
- diagnosis
- treatment
- supportive and palliative care
- health system



PAHO's Radiation Health Program

Radiological Services

- diagnostic imaging
- radiation therapy

Radiation Protection





PAHO'S REVOLVING FUND & STRATEGIC FUND

REVOLVING FUND			
HPV Vaccines			
STRATEGIC FUND			
Currently available		Forthcoming additions	
asparaginase	doxorubicin	trastuzumab	
bleomycin	etoposide	carboplatin	
calcium folinate	mercaptopurine	docetaxel	
chlorambucil	mesna	fluorouracil	
cisplatin	morphine	ifosfamide	
cyclophosphamide	methotrexate	paclitaxel	
cytarabine	tamoxifen		
dacarbazine	procarbazine		
dactinomycin	vinblastine		
daunorubicin	vincristine		

PAHO's support to Palliative Care



- Clinical practice guide
- Guidelines for opioid availability
- Palliative care program development
- Workshops with regulators and health professionals



International Agency for Research on Cancer













The Breast Health Global Initiative











Jhpiego

an affiliate of Johns Hopkins University





American Society of Clinical Oncology

Making a world of difference in cancer care



Oreunds health





































WOMEN'S CANCER INITIATIVE

A public-private partnership of the PAFNCD





WOMEN'S CANCER INITIATIVE

A joint commitment to save lives

Screening & Prevention **Palliative Care** Diagnosis **Treatment** early detection CERVICAL BREAST Communications & advocacy CANCER CANCER Capacity building Increasing access & Strengthening programs Operational research **Cervical Cancer Project Breast Health Global Initiative** Founding partners: PAHO-USG-ACS guideline implementation

SAVE >24,000 WOMEN'S LIVES