Presentation Outline

- Burden of cervical cancer in the Americas
- Recommendations for effective programs
- Challenges and opportunities
- Proposal for a Regional Strategy and Plan of Action
HOW CERVICAL CANCER DEVELOPS

Source: Wright, TC. NEJM 2003
Estimated Number of Women with HPV, Pre-cancer and Cancer in the Americas

- Female population (15 years +): 336 million
- Women with HPV infection: 52 million
- Pre-cancerous lesions: 1.5 - 5 million
- Cervical Cancer: 87,000

Source:
Castellsagué X et al. Vaccine 2007
WHO. C4GEP 2006
Cervical Cancer In The Americas

87,000 new cases per year
39,000 deaths per year

Source: IARC, Globocan 2002
Cervical Cancer Mortality Trends 1955-2003

Trends in Cervical Cancer Mortality in selected countries

Source: PAHO Mortality Database, 2007
CERVICAL CANCER IS PREVENTABLE

- **Screening**
  - high coverage of women at risk
  - accurate screening test

- **Treatment for women detected with pre-cancer and cancer**

- **High quality of treatment and care**
WHO Policy Recommendations

Screening test: cytology
- alternative screening tests in pilot settings

Target age group: 30 years +
- cover highest risk groups first
- once in lifetime screen, best age: 35-45 years

Frequency of screening: 3 year interval

Precancer treatment: outpatient basis
- cryotherapy, LEEP

Cancer treatment: surgery and radiotherapy
Cervical Cancer Prevention Program

- Policy
- Monitoring & Evaluation
- Training
  - Community Information and Education
  - Diagnostic and/or Treatment Services
  - Screening Services

Referral and Feedback
Challenges with Cervical Cancer Prevention Programs

Women
- coverage

Health Services
- follow up

Technology
- quality
Opportunities to Improve Cervical Cancer Prevention

- New screening tests
- Screen & treat approach
- HPV vaccines
Screening Tests

Pap Test

HPV DNA test

Visual inspection with acetic acid (VIA)

FastHPV DNA test
Screen and Treat Approach

- Cost effective strategy
  - Links screening to immediate treatment
  - One visit reduces loss to follow up

- Easily integrated into routine primary health care services
Screening in the HPV Vaccine Era
Proposed Regional Strategy & Plan of Action

Improve country capacity for comprehensive cervical cancer prevention and control:

- Health education
- Screening and pre-cancer treatment
- Cancer treatment and palliative care
- HPV vaccine introduction
  - analysis of evidence to support policy decision
  - when it can be sustainable, relying on affordable price
THANK YOU
Cervical Cancer Mortality Rates by sub-region, by age

Source: IARC, Globocan 2002
Incidence and Mortality

Source: IARC, Globocan 2002
Cervical Cancer Incidence & Mortality Rates in the Americas

Source: IARC Globocan, 2002
Inequities in Cervical Cancer Screening Coverage

Proportion of Women Never Having a Pap Test in Ecuador & Guatemala

Source: Ecuador INEC, 2004
Guatemala DHS, 2002
Single Visit Screen & Treat

Effect of visual screening on cervical cancer incidence and mortality in Tamil, Nadu, India

Source: Sankaranarayanan, The Lancet 2007