

Global Elimination of Mother-to-Child Transmission (EMTCT) of HIV and Syphilis **Example of Cuba**



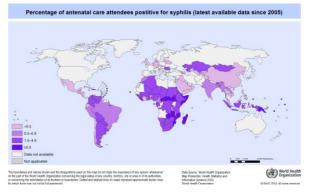
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Background



In 1 in 3 countries syphilis infects 1% or more of ANC attendees

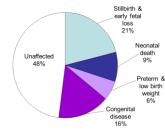


Syphilis is devastating for the majority of fetuses

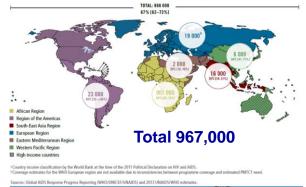
- 52% of pregnant women infected with syphilis will have an adverse outcome if untreated
- · Globally approximately 520,000 adverse pregnancy outcomes due to syphilis in 2008

urce: Gomez G et al, 2013. Newman et al, 2013

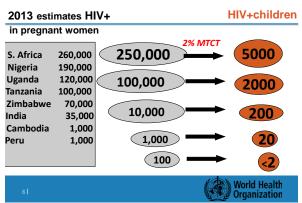




Number and % of pregnant women living with HIV receiving ARV drugs in LMIC and by WHO 2013



Case rate of eMTCT of HIV



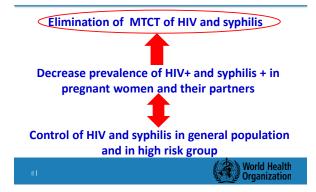
Case Rate of eMTCT of sypilis

syphilis	Births	syphilis- exposed	Case rate per 100,000** Detection and Treatment			
Prevalence		Births	95%	75%	50%	20%
0.3%	100000	300	8	39	78	125
1%	100000	1000	26	130	260	416
2%	100000	2000	52	260	520	832
5%	100000	5000	130	650	1300	2080
6%	100000	6000	156	780	1560	2497
8%	100000	8000	208	1040	2080	3328

52% of births affected if no detection/treatment 30 days prior to delivery

Gomer et.al. 2013	World Health Organization
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For HIV as for Syphilis



WHO Global initiatives for EMTCT of HIV/AIDS and syphilis



Regional dual elimination initiatives have momentum

 Africa – framework for dual elimination finalized



- Europe survey of national policies and programmes, Astana regional consultation
- Asia Pacific Task Force meeting in November 2014 in Bangkok
- Americas established regional validation committee, countries requesting validation, Cuba requested validation

Process for validation of EMTCT of HIV and syphilis

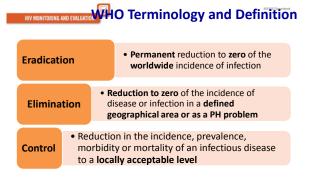
• Why?

- Successful examples should be celebrated
- Several regions establishing regional processes for validation
- Several countries asked WHO to validate achievement of EMTCT of HIV and/or syphilis
- How?
 - Develop standardized process and criteria to assess and validate EMTCT of HIV and/or syphilis
 - Develop a credible, systematic approach to allow monitoring of progress towards elimination

WHO, UNAIDS, UNFPA, and UNICEF Release global criteria and processes

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World Health Organization

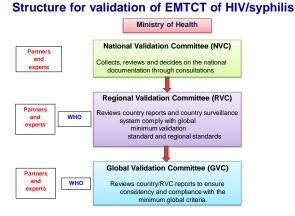
Global Elimination Targets

IMPACT	COVERAGE
Syphilis: ≤ 50 cases of congenital syphilis per 100,000 live births	At least 1 ANC visit: ≥95% HIV and/or syphilis testing of pregnant women: ≥95%
HIV: ≤ 50 new paediatric HIV infections (MTCT) per 100,000 live births MTCT rate< 5 or 2%	ART to HIV+ve pregnant women ≥95% Treatment of syphilis seropositive pregnant women ≥95%
14	World Health Organization

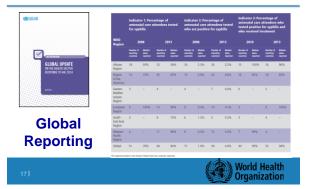


Qualifying Requirements to Apply for Validation

- 1. National-level evidence
 - Process indicator targets for two (2) years and
 - impact indicator targets for one (1) year
- 2. Evidence in at least one of the lowestperforming sub-national administrative units
- 3. Existence of an adequate national monitoring and surveillance system for validation
- Validation criteria must have been met in a manner consistent with basic human rights considerations



Tracking maintenance of validation



Progress to Date

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World Health Organization

Cuba: background information

Selected basic indicators, Cuba, 2008-2010	
Indicator	Value
Population 2010 (millions)	112
Literacy rate (%) (2009)	99.8
Schooling rate (%) (2009)	98.2
Life expectancy at birth (years) (2010)	78.8
General mortality rate (per 1,000 population)	
(2009)	77
hfant mortality rate (per 1,000 live births) (2010)	45
Maternal mortality rate (per 100,000 live births)	
(2009)	46.9
Physicians per 1,000 population (2008)	6.6
Hospital beds per 1,000 population (2010)	5.9
DPT3 immunization coverage (%) (2010)	96.0
Births attended by trained personnel (%) (2009)	99.9
GDP per capita	\$5.539
GDP growth rate	2.7%
HDI	0.780
Percentage of annual budget in health	14%



Source: PAHO, Health in the Americas, 2012 Source: UNDP, 2012 /es/home/countryinfo/)

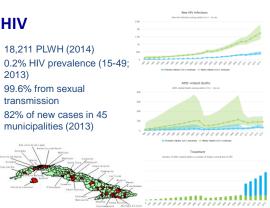


2013)

• 18,211 PLWH (2014)

99.6% from sexual transmission

municipalities (2013)



ource: UNAIDS, AIDS Info, 201

Syphilis

- 118,742 pregnant women (2014)
- 0.2% Syphilis prevalence among pregnant women (2014)
- 248 PW diagnosed with Syphilis ٠

Number of syphilis cases by sex, Cuba: 1996-2013 Syphilis in women and congenital syphilis cases, Cuba: 1980-2014 £10000 8000 TITLE P Sífilis Congénita Source: Cuba country report (2014)

Process and timeline Cuba Validation

Dates	Action			
November 2013	Request to PAHO from Cuba Ministry of Health for validation			
March 2014	Establishment of Cuba National Validation Committee by the Minister of Health			
October 2014	Submission of Cuba country report to PAHO			
Oct – Dec 2014	Review of the country report by the RVC			
December 4-5, 2014	Pre-validation visit to Cuba by a joint delegation consisting of two members of the RVC and two PAHO technical officers			
March 22-27, 2015	Cuba validation mission			
June 30, 2015	WHO announces Cuba first country to eliminate MTCT of HIV and syphilis			

Country Preparation for Validation

- Implementation of EMTCT National Strategic Plan, 2014-2018
- Establishment of National Validation Team (NVT)
- Preparation of technical team from National HIV programme •
 - Assignment of roles and responsibilities
 - Training of the NVT (with visits to provinces)
- Preparation and consolidation of documentation; demographic, programmatic, and epi data
- Identification of sites for visits(hospitals, clinics, labs, etc.
- Mobilization of community
- Validation visit •

urce: Adapted from Cuba's MoH presentation at EMTCT TWG. Ja aica July 2019



Data Verification and Impact Assessment

Coverage indicators	2012	2013	2014
% pregnant women attended by skilled health personnel during the prenatal period	97%	97%	97%
% of pregnant women who were tested for HIV and received their results during pregnancy	Unable to calculate national coverage, but the coverage in validation sites was consistently above 95%		
% of pregnant women who were tested for syphilis during pregnancy	99,5%	99,9%	99,3%
% of HIV-positive pregnant women who received antiretrovirals to reduce the risk of MTCT	95,4%	98.2	98,9%
% of syphilis-seropositive pregnant women who were appropriately treated	100%	97,8%	97,6%
Impact Indicators			
Annual rate of reported cases of congenital syphilis per 1,000 live birth	0	0,02	0,05
Rate of mother-to-child transmission of HIV	1,83%	1,75%	1,60%
Annual rate of reported cases of mother-to-child transmission of HIV per 1,000 live births	0,016	0,016	0,008

Validation Assessment

1. Verification of achievement of the elimination targets:

- Verify quality of the reported data
 Assess underlying data collection and reporting sys
- Verification of the existence of an adequate laboratory network that:



- Generates reliable results
 Verification of the existence of an adequate network of services that:
 - work of services that:
 Provides all needed services, accessible to all in need
 Provides quality services.
- Provides quality services
 Human Rights, Gender and Community Participation
 Interviews with sivil society service prevides and then
 - Interviews with civil society, service providers, and other stakeholder groups





Conclusion of the Validation Assessment Report

- Cuba has a functional system for monitoring of EMTCT progress
- Data generated by this system is reliable and concordant on the various levels
- Data consistent with the dual EMTCT targets
- Data indicates equitable achievement on the EMTCT targets on sub-national level
- Areas for improvement of the monitoring system:
 - including linking of mother-baby pairs,
 - collection of person-based HIV testing data,
 - $-\,$ ensuring a mechanism for routine checking and correction of syphilis data
 - moving to electronic data systems where feasible





WHO announces Cuba as the first country to eliminate MTCT of HIV and syphilis (June 30, 2015)



Cuba is first country to eliminate mother to child HIV Cuba: defeating AIDS and advancing global health transmission rection www.thelancet.com Vol 386 July 11, 2015

EL[®]MUNDO





madre a hijo EL PAIS Cuba named first country to end mother-to-Cuba cs cl primer pais en eliminar la transmisión de madre a hijo del VIH



For more information:

www.who.int/reproductivehealth/topics/rtis/syphilis/en/index.html http://www.who.int/hiv/pub/emtct-validation-guidance/en/