MAKING HEADWAY IN PEDIATRIC HIV:

Achieving Zero Mother-to-Child HIV Transmission

Professor Usa Thisyakorn, M.D. Chulalongkorn University
Bangkok, Thailand

7 June 2016 Achievement of EMTCT of HIV



Global validation process

National Validation Team

Pre-validation:

Program and report preparation

Regional Validation Team

Validation Mission:

Country program assessments

Global Validation Advisory Committee

Validation assessment:

Review of national and regional reports

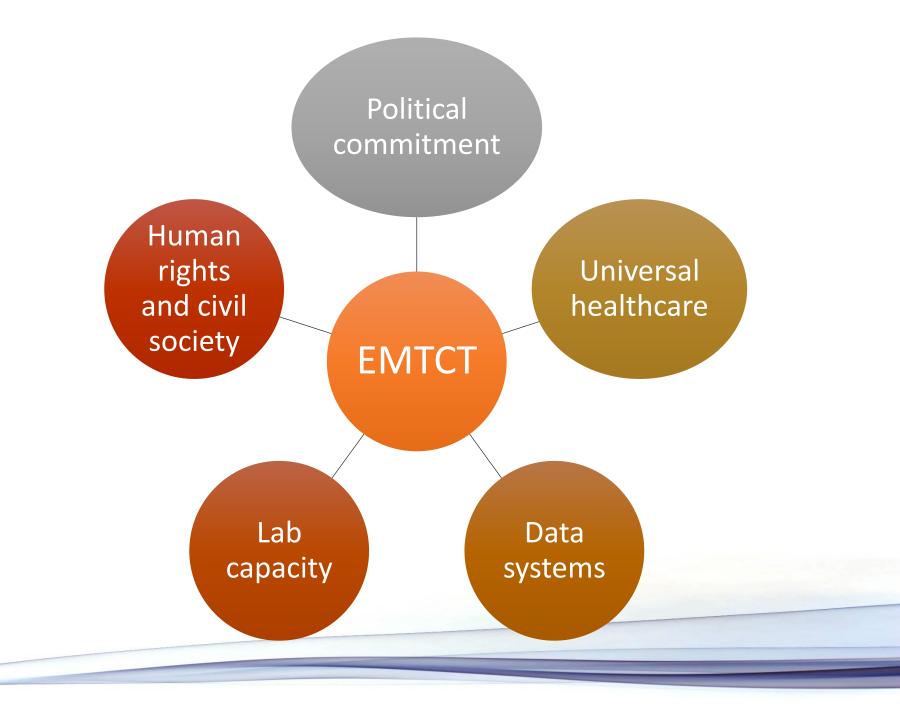
WHO Director General

Validation determination:

Final certification

Requirements for certification of elimination of mother-to-child transmission of HIV and congenital syphilis

- Impact targets = 2
 - HIV: ≤50 new pediatric infections per 100,000 live births and a transmission rate of <2% in non-breastfeeding (<5% in breastfeeding) populations
 - Syphilis: <50 cases of congenital syphilis per 100,000 live births
- Process targets = 4
 - Antenatal care coverage <u>>95%</u>
 - Antenatal HIV and syphilis testing coverage <u>>95%</u>
 - Antiretroviral treatment coverage <u>>90%</u>
 - Syphilis-seropositive treatment coverage ≥95%
- Within the context of sufficient public health infrastructure and respect for human rights, gender equity, community engagement



ELIMINATION OF MOTHER-TO-CHILD TRANSMISSION OF HIV: LESSONS LEARNED FROM SUCCESS IN THAILAND

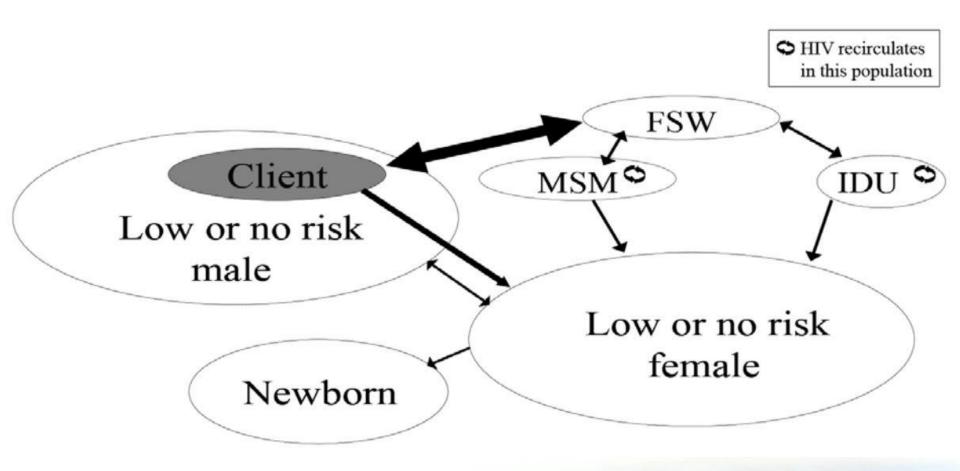
http://www.tandfonline.com/loi/ypch20

Paediatrics and International Child health 2017;37:99-108.

PMTCT of HIV

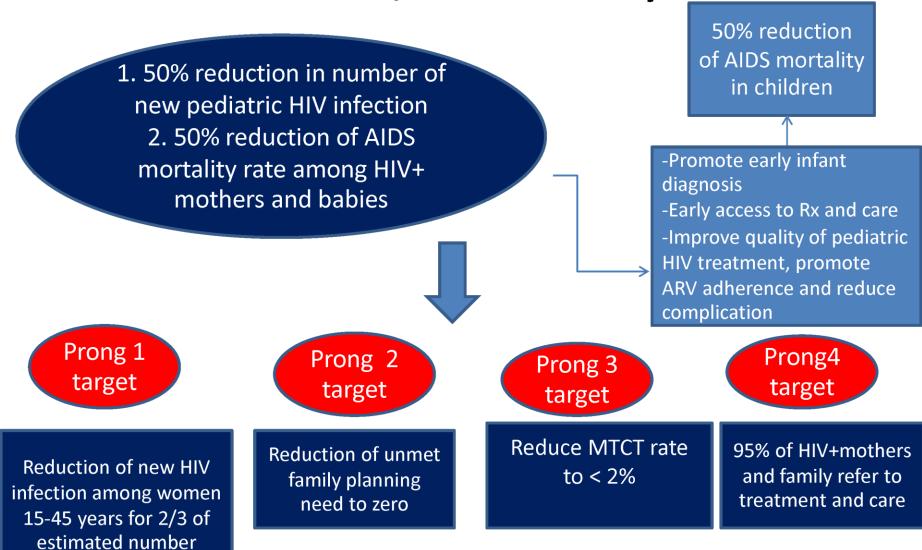
- Universal HIV testing of pregnant women
- Provision of ARV therapy when needed for maternal health or prophylaxis
- Elective cesarean delivery
- Avoidance of breastfeeding

HIV TRANSMISSION DYNAMICS IN THAILAND



Thisyakorn U. Elimination of mother-to-child transmission of HIV: lessons learned from success in Thailand. Paediatr Int Child Health. 2017 May;37(2):99-108

Goal for Elimination Mother-to-Child HIV Transmission, in Thailand by 2015



LESSONS LEARNED

- ♦ National responses with strong political & financial commitment
- **Effective responses involving all sectors of society**
- Epidemiological, Social & behavioral research & monitoring
- **Early & pragmatic action**

Goal: Thailand National AIDS Strategy by 2030

No new perinatal HIV infection

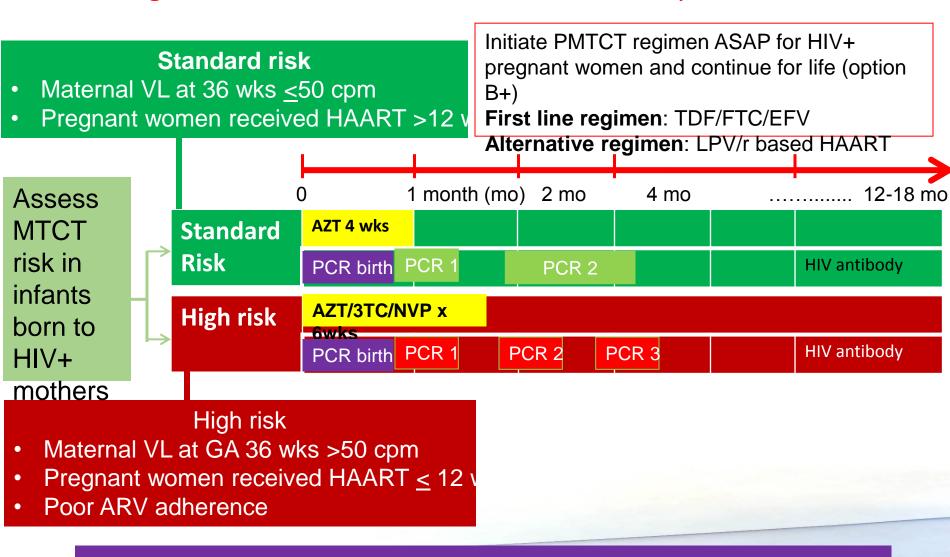


Roles of Pediatricians for EMTCT in Thailand

- Play a leading role in national PMTCT guidelines development and advocate for expanded country-wide access to quality PMTCT services and preparation data for EMTCT validation.
- Participate in PMTCT research and program evaluation
- Work with MOPH, other government agencies, and local partners to
 - Develop tools and materials for PMTCT services
 - Conduct trainings for HCWs
 - Provide supportive supervision, mentorship, and coaching to ensure provision of high-quality, evidence-based PMTCT services
 - Conduct case investigation to identify causes of MTCT
- Deliver a comprehensive package of services to women, children, and their families (4 prong model) by integration of PMTCT services to routine MCH work
- Utilize service/program data to improve PMTCT service quality
- Provide community education on PMTCT to increase awareness of MTCT and PMTCT services

Challenges	Responses and next steps
Late presenter	 Revise national PMTCT guidelines 2016: Include raltegravir* as an option for late presenter (GA 32 wks) in addition to HAART conducts pilot study of using raltegravir in late presenters by Thai Red Cross
Poor adherence	 Share best practice and promote case management and improve counseling service
Discordant couples and HIV seroconvert after delivery	 Revise national PMTCT guidelines 2016: Emphasize importance of couples HIV testing and counseling (target>60%)
ARV resistance in mothers	 Conduct operational research to assess primary ARV drug resistance in pregnant women by Thai AIDS Society
	*DHHS 2015; BHIVA 2014

Thai National HIV Treatment and Care Guidelines 2016 Management of Infants Born to HIV+ Mothers by MTCT Risk



Aug 2014-present: HIV PCR DBS testing at birth supported by Department of Medical Sciences (MOPH) and Chiang Mai

II. FINANCING: PMTCT Services

The Thai government provides most of the budget (>90%) for Thais

- Universal access to antenatal care benefit package (HIV testing)
- PMTCT/HIV services (HIV lab monitoring, HAART, replacement feeding, early infant HIV diagnosis)

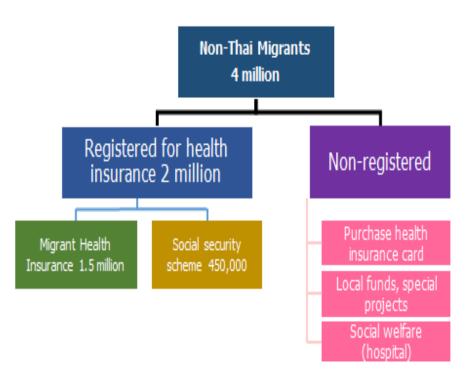
Migrant health insurance card



Maternal child health card

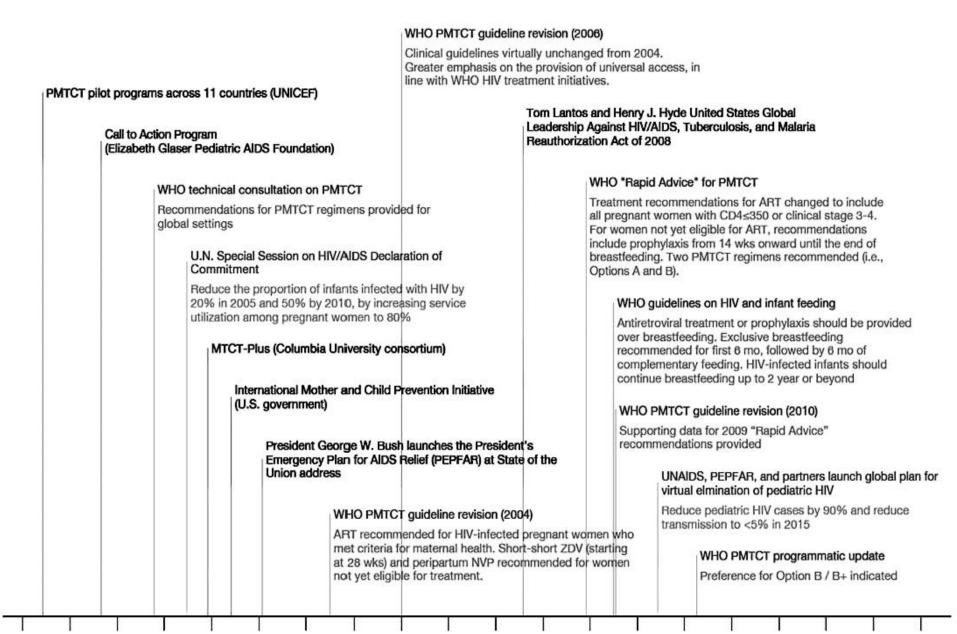


Migrant Health Insurance



Special projects (e.g. the TRCS through the 'Princess Soamsawali PMTCT Fund') provides support for PMTCT drugs and laboratory testing

PMTCT of HIV: Important policy & Program milestones





CONCLUSION

Thailand has achieved WHO elimination of mother-to-child HIV transmission targets with early and concerted efforts of all sectors of Thai society.

This provided numerous lessons learnt in working together to safeguard children.



THANK YOU

