

HIV-DR Activities in the Western Pacific Region



Dr Massimo N Ghidinelli
HSI, WHO/WPRO

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HIV/AIDS in WPR, 2001/2007 Estimates

Estimates	2001	2007
<u>Total living with HIV</u>	0.750 M	1.3 M
• Children	5,200	21,000
<u>Adults living with HIV</u>	0.745 M	1.28 M
• Prevalence rate	0.1%	0.1%
• Female	180,000	340,000
<u>New HIV infections</u>		
• Adult	130,000	145,500
• Children	3,000	4,500
<u>AIDS deaths</u>		
• Adult	28,000	60,000
• Children	1,900	3,000

Source: adapted from UNAIDS-WHO, 2001-2007



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ART in Western Pacific Region

<u>Country</u>	<u>Patients on ART 2004</u>	<u>Patients on ART 2006</u>	<u>Patients on ART 2007</u>	<u>ART coverage 2007</u>
Cambodia	4527	20 131	27 000	67-83%
China	8219	31 140	35 000	19-41%
Fiji	-	----	<100	27%
Laos	104	479	700	>95%
Malaysia	2700	----	6800	35%
Mongolia		2	<100	6-12%
PNG	60, <200	1098	2300	38-35%
Philippines	71, <200	170	<500	31-56%
Viet Nam	300, <500	8310	17 000	26-35%
WPR	16 170	61 130	89 000	28%

Source: Towards Universal Access: Scaling up priority HIV/AIDS interventions in the health sector, Progress Report 2008, WHO/UNAIDS/UNICEF
 ¶ Need estimates generated using WHO/UNAIDS methodology



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ART in WPR countries, as of Dec 2006

Country	ART sites	Patients on ART	% first line regimen	% second line regimen	ART target in 2010
Cambodia*	44 (OI/ART)	20,131 - 10144 M; 9987 F - 1,787 children	98%	-1.8% adults - 1.4% children	25,000 patients
China*	925	30,640 - 16830 M, 13589 F 221 missing -621 children	100%	< 1% nationally (1% in two MSF-supported two sites only)	- 80% - 36,000 patients in 2007
PNG	79	701 326 males 347 females 28 children	100%	0%	10,000
Viet Nam*	119	7,789 adults 428 children	98.3%	1.7% (3% in PEPFAR sites only)	70% 51,000 based on ART need estimates

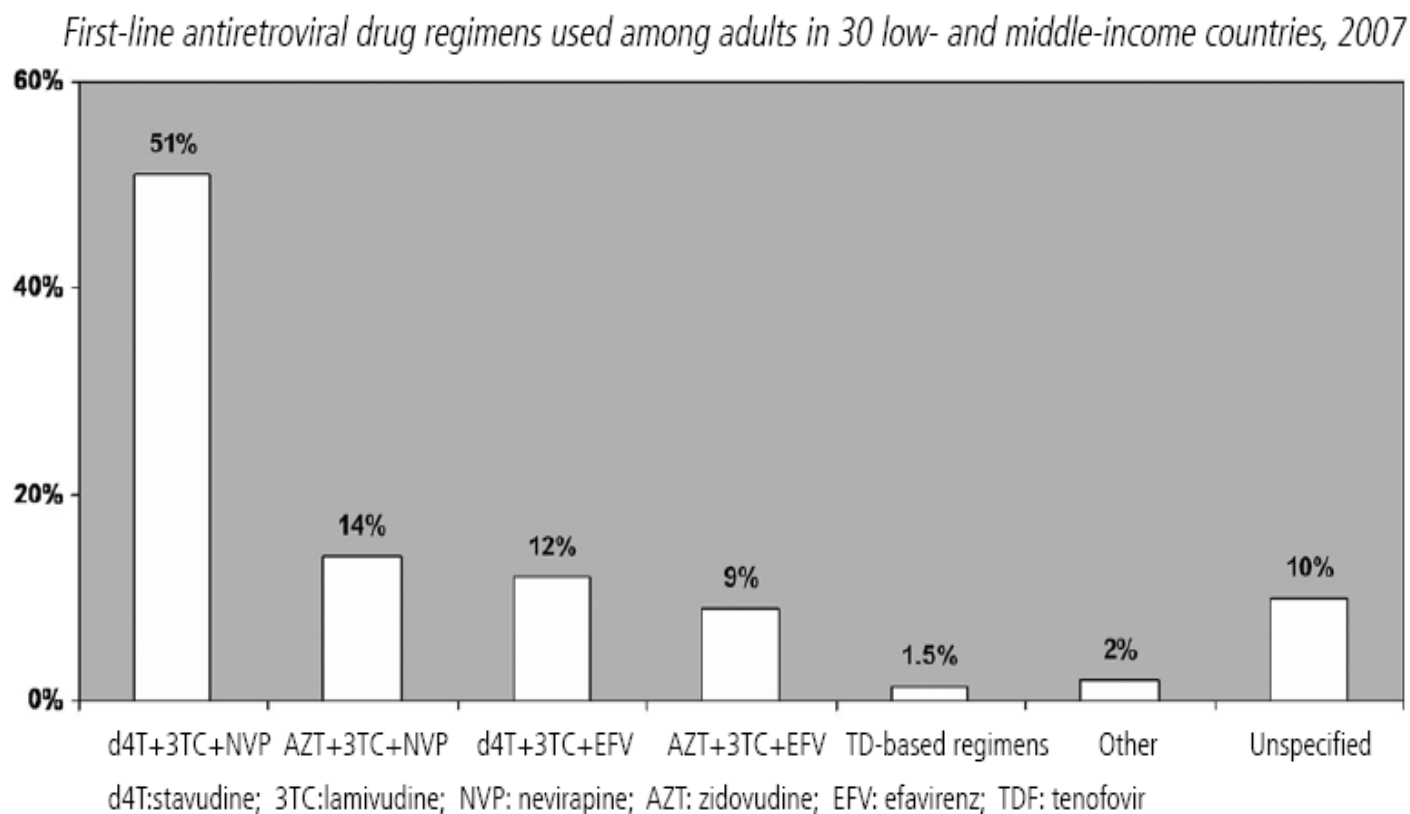


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Use of first-line ART, 2007



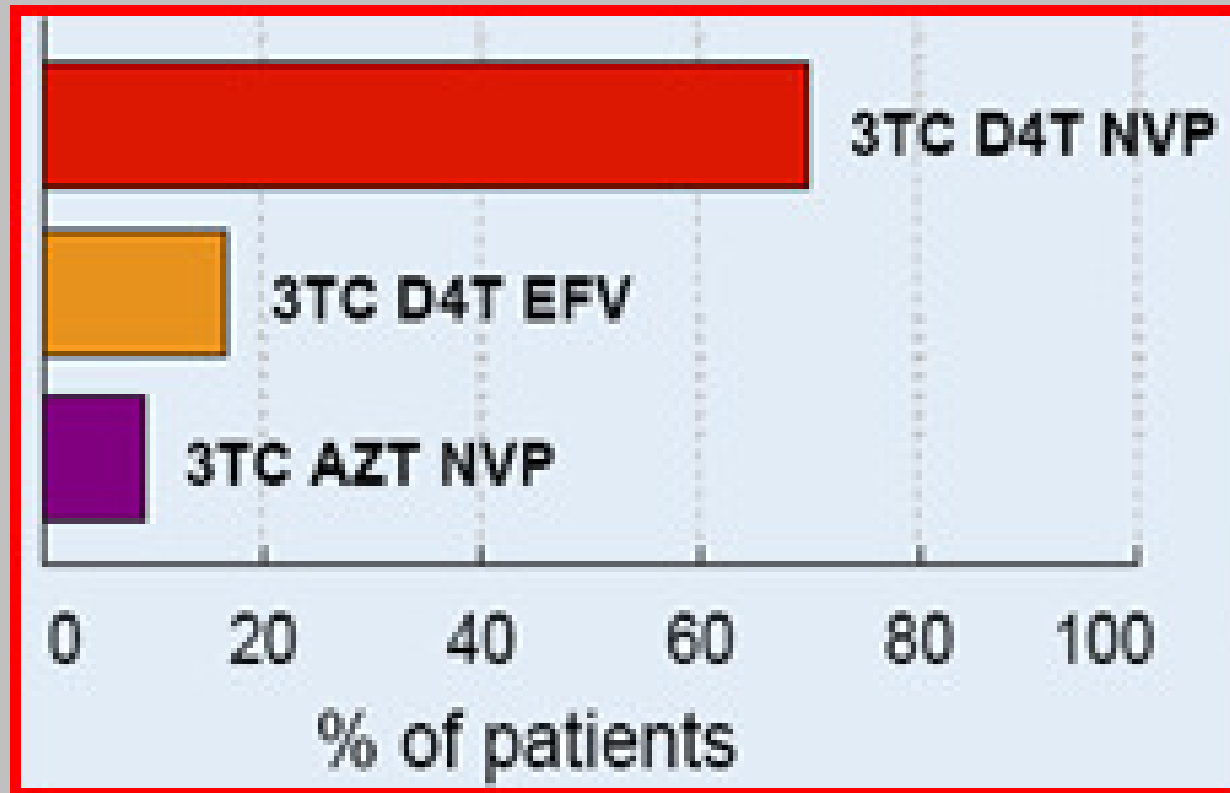
Source: WHO, UNAIDS. *Towards Universal Access: Scaling up priority HIV/AIDS interventions in the health sector*. Journal [serial on the Internet]. 2008 Date: Available from: http://www.who.int/hiv/pub/towards_universal_access_report_2008.pdf



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Use of first-line ART in Asia



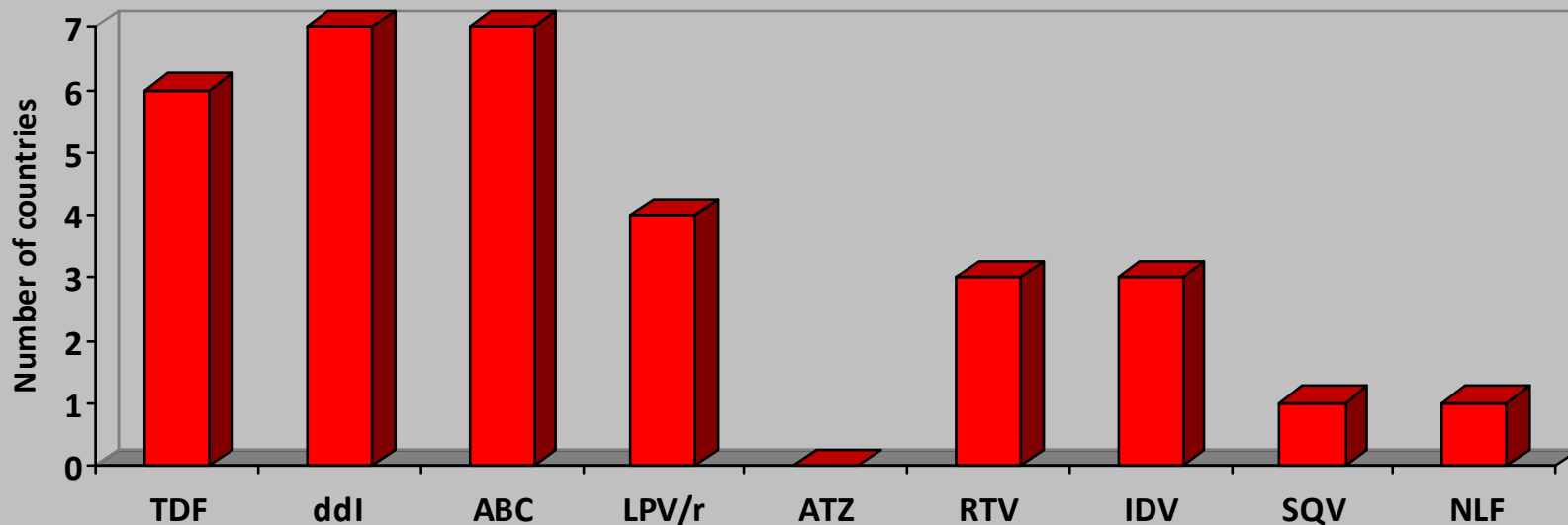
Source: Renaud-Thery F, et al. Use of antiretroviral therapy in resource-limited countries in 2006: distribution and uptake of first- and second-line regimens. *AIDS*, 2007, Jul; 21 Suppl 4:S89-95.



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Access to second-line ART in Western Pacific countries (June 2008)



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Progress Implementing Regional HIVDR Strategy

- Clinical Epidemiologist attached to Regional HIV/AIDS team based in Manila since September 2007
- Strong government commitment to and country ownership of national HIVDR prevention and assessment strategies
- Technical Consultation on HIVDR Prevention, Surveillance and Monitoring in Western Pacific Region: November 14-16, 2007, Beijing, China
 - HIVDR country plans for 2008 developed: Cambodia, China, PNG, Viet Nam
 - Next SEARO/WPRO HIVDR technical consultation May 2009, Bangkok (tentative)



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Progress Implementing Regional HIVDR Strategy (continued)

- Technical support provided by WHO to Viet Nam, Cambodia, China and PNG through mission (s) in 2007 & 2008
- Accreditation of regional laboratory (Burnet Institute, Australia) and 3 national laboratories in China by the WHO HIVDR laboratory network
- Regional database training: October 2006, November 2007
- Strong partnerships supporting HIVDR Strategy: CDC/PEPFAR, Treat Asia
- Mobilization of resources for HIVDR in the region: Gates, Japanese Voluntary Contributions, Global Fund



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WHO西太地区HIV耐药监测技术咨询会

Technical Consultation on HIV Drug Resistance Prevention, Surveillance and Monitoring in the Western Pacific Region

Conference Objectives

1. Update on ART scale-up and current HIVDR situation globally and in Western Pacific Region
2. Share country experiences and lessons learned in implementing HIVDR activities following the Hanoi 2006 meeting
3. Update on the WHO HIVDR prevention and assessment strategy
4. Consolidate HIV ResNet linkages, including lab accreditation as well as mechanisms for data entry, analysis, utilization, and sharing
5. Develop/finalize national and regional reports for 2007 and agree upon a procedure for sustainable reporting over the coming years
6. Develop/update national strategies and working plans in line with WHO-recommended HIVDR strategies in 2008-09, including actual and prospective partnerships



Progress in Focus WPR Countries

Cambodia

- EWI pilot undertaken in Q2/2008 at 8 sites using electronic ART data management system. Scale-up of EWI to larger number of sites in 2009 (part of CQI)
- Protocol for HIVDR Prevention Surveys in Sentinel ART sites submitted for clearance. Pilot planned in 2 sites in Phnom Penh late 2008→2009
- HIVDR Transmission Threshold Survey
 - First survey initiated in June 2008 at 5VCT sites in Phnom Penh
 - Genotyping of specimens and capacity building to national lab by the Public Health Agency of Canada HIV laboratory, an accredited specialized WHO HIVDR laboratory



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Progress in Focus WPR Countries

China

- EWI pilot initiated in Q3/2008 at 5ART sites
- HIVDR Genotyping Laboratory
 - 3 national labs assessed and accredited by WHO HIVDR Laboratory Network in 2008
- National HIV DR Conference back to back to Regional HIV DR Meeting in Beijing (NCAIDS CDC China)
- Protocol for standardized HIV DR Prevention surveys under development



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Progress in Focus WPR Countries

Papua New Guinea

- EWI pilot at 2 HIV care & treatment centres in 2008/2009, expansion to 4 urban - 4 rural sites in 2010 part of the establishment of standardized national patient monitoring system
- HIVDR national plan included in the National HIV/AIDS STI Surveillance Plan (DOH, 2007-2010)
 - HIVDR Prevention Surveys in Sentinel ART sites: Year One - Port Moresby, Year Two - Goroka, Year Three - Mt Hagen
 - HIVDR Transmission Threshold Survey to be planned in Port Moresby
- HIVDR Genotyping Laboratory - country plans to request assistance from WHO regional accredited laboratory (Burnet Institute)



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Progress in Focus WPR Countries

Viet Nam

- EWI
 - 2007 pilot completed - 17 adult & 3 pediatric sites, 5 EWI collected (drug supply continuity, prescribing practices, % lost to follow-up, appointment keeping, patient retention on 1st line ART)
 - Scale-up to larger number of representative sites planned for 2008
- HIVDR prevention Surveys in Sentinel ART sites
 - WHO/CDC protocol adapted for Viet Nam - currently being finalized
 - 4 pilot sentinel sites selected for 2008
- HIVDR threshold survey
 - 2006: HIVDR-TS among IDUs in Hanoi - 2 VCT sites (HIVDR <5%)
 - 2007-2008: HIVDR-TS in HCMC (in progress)
- HIVDR Genotyping laboratory
 - Preliminary assessments of two national laboratories (NIHE & Pasteur) in August 2008



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Summary

- HIVDR prevention and assessment & pharmacovigilance increasingly seen as critical elements to support public health ART
- Country plans for 2008 developed for four focus countries
- EWI provides strong contribution to strengthening of ART patient monitoring and overall of HIV data management systems
- Results from HIVDR threshold surveys and EWI pilots available in some countries
- Successful accreditation of three national labs in China and one regional lab in Australia



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Issues & Questions

- Guidance on translating HIVDR Surveillance and Monitoring results to appropriate public health & programmatic actions to minimize HIVDR
- Ensuring HIVDR surveillance and monitoring guidelines are appropriate or can be adapted to low prevalence and concentrated epidemics
- Strive for consistency between WHO HIVDR protocols and WHO HIV/AIDS monitoring and evaluation protocols/requirements
- Access to low cost genotyping for HIVDR survey specimens in regional and specialized laboratories



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