

# Implementing the revised TB/HIV indicators and data harmonisation at country level

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*Planning workshop to accelerate the implementation of HIV/TB collaborative activities in selected African countries  
November 13th-14th , 2008, Addis Ababa, Ethiopia*



**TB/HIV**

# I will cover

- **TB side indicators and R&R system**
- **HIV side indicators and R&R system**
- **Data harmonisation**



**TB HIV**

# Revision of TB/HIV indicators

## WHO TB/HIV M&E guide

We reduced the number of indicators from 20 to 12 including 2 new ones.

<b>% of TB patients screened for HIV during TB treatment</b>	<b>→</b>	<b>TB patients with HIV status( test result) recorded on TB register/ all TB patients registered</b>
<b>Of Tested TB patients % found to be HIV positive</b>	<b>→</b>	<b>HIV positive TB patients / TB patients with HIV test result (status) recorded on register.</b>





# Table of indicators Measured in TB Care Settings by the

Indicator and definition	What to measure
<b>Indicator C.1.1</b> Percentage of TB patients who had an HIV test result recorded in the TB register. <b>% HIV STATUS KNOWN</b>	<i>Numerator:</i> Number of TB patients registered during a given time period who had an HIV test result <sup>1</sup> recorded in the TB register.. <i>Denominator:</i> Total number of TB patients registered during the same time period.
<b>Indicator C.1.2.1</b> Number of TB patients registered with documented HIV status on TB register who are HIV-positive over a given time period. <b>% HIV +ve</b>	<i>Numerator:</i> Total number of all TB patients registered over a given time period who are HIV-positive <i>Denominator:</i> Total number of TB patients registered over the same given time period with a documented HIV status
<b>Indicator C.1.2.2</b> Number of TB patients registered with documented HIV status on TB register who are HIV-positive, positive TB patients registered over a given time period. <b>TB/HIV CASE DETECTION</b>	<i>Numerator:</i> Total number of all TB patients registered over a given time period who are HIV-positive <i>Denominator:</i> Estimated number of incident TB cases in people living with HIV.
<b>Indicator C.2</b> Number of TB facilities where free condoms are available, expressed as a proportion of total TB facilities. <b>FREE CONDOMS</b>	<i>Numerator:</i> Total number of TB facilities (any health facility where TB patients are managed) where free condoms are available (in stock) <i>Denominator:</i> Total number of TB facilities evaluated
<b>Indicator C.3.1</b> Number of HIV-positive TB patients registered over a given time period who receive at least one dose of CPT during their TB treatment, expressed as a proportion of total HIV-positive TB patients registered over the same time period. <b>CPT PROVISION</b>	<i>Numerator:</i> Number of HIV-positive TB patients, registered over a given time period, who receive (at least one dose of) CPT during their TB treatment <i>Denominator:</i> Total number of HIV-positive TB patients registered over the same given time period
<b>Indicator C.4.1</b> Number of HIV-positive TB patients referred to HIV care and support services during their TB treatment, expressed as a proportion of total HIV-positive TB patients registered over the same time period. <b>% TB/HIV in HIV CARE</b>	<i>Numerator:</i> Number of HIV-positive TB patients, registered over a given time period, who are referred to HIV care and support services during their TB treatment. <i>Denominator:</i> Total number of HIV-positive TB patients registered over the same given time period
<b>Indicator C.5.1</b> Number of HIV-positive TB patients who are started on or continue previously initiated ART, during a given time period, expressed as a proportion of total HIV-positive TB patients registered over the same time period. <b>ART PROVISION</b>	<i>Numerator:</i> All HIV-positive TB patients, registered over a given time period, who receive ART (are started on or continue previously initiated ART) <i>Denominator:</i> All HIV-positive TB patients registered over the same given time period.

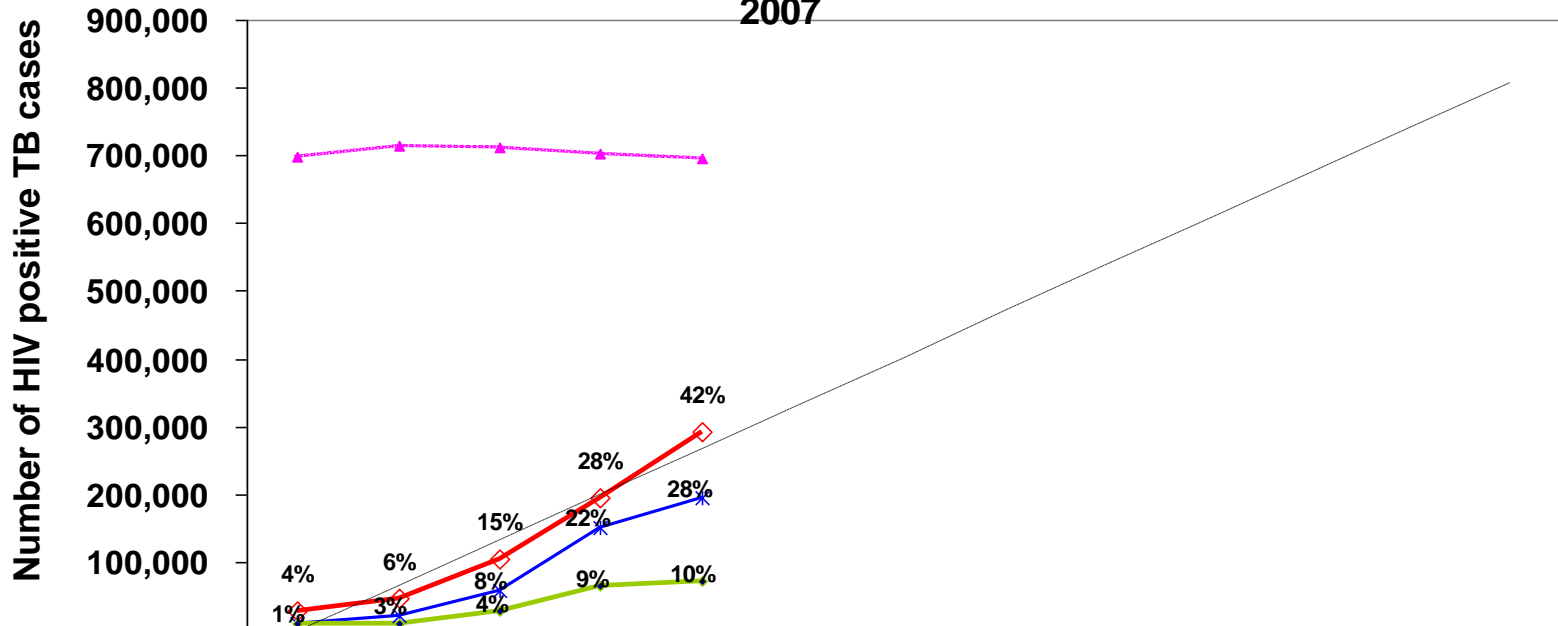


<sup>1</sup> This should include those TB cases that were previously known as HIV-positive or their negative HIV clinician (e.g. done in the last 3-6 months in a reliable laboratory)



# Case detection indicator

**GLOBAL REPORTING of  
HIV positive TB case detection and provision of CPT and ART  
2007**



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimated TB HIV	699,156	714,652	712,555	702,393	695,755								
TB HIV detected	28,432	45,714	103,741	193,706	291,596								
CPT provision	9,174	20,541	57,986	151,467	195,295								
ART provision	10,186	9,823	28,864	65,330	70,939								

THIS INDICATOR WILL ALLOW MEASUREMENT OF PROGRESS  
both of TB/HIV activities and TB programme performance





Prepared by the Expert Group on TB Recording and Reporting forms and registers  
WHO Stop TB Department, Geneva, September 2006



KNCV



Results of sputum smear microscopy and other examination											Treatment outcome & date						TB/HIV activities		Remarks
Before treatment				2 or 3 months <sup>1</sup>		5 months		End of treatment		Date	Outcome <sup>5</sup>					ART Y/N Start date	CPT Y/N Start date		
Sputum smear microscopy result <sup>2</sup>	Date/Lab. No.	HIV result <sup>3</sup> Date	X-ray Result <sup>4</sup>	Sputum smear microscopy result <sup>2</sup>	Date/Lab. No.	Sputum smear microscopy result <sup>2</sup>	Date/Lab. No.	Sputum smear microscopy result <sup>2</sup>	Date/Lab. No.		Cure	Treatment Completed	Treatment Failure	Died	Default			Transfer	

Footnotes appearing on first page of the register only

# Notes:

**The TB Indicators are the variables being recorded: No change.**

- Report on quarterly/annual TB cohorts as denominator.
- Include people living with HIV, who have known their status for a long time.
- Include people living with HIV who are on ART /CPT prior to TB treatment.
- Would recommend putting HIV care registration number on Register in HIV test column (not a current requirement).
  - Would allow data reconciliation + to know % in HIV care



# QUARTERLY CASE DETECTION REPORTS

Tuberculosis Programme

Form 6

## Quarterly Report on TB Case Registration in Basic Management Unit

Name of BMU: _____ Facility: _____	Patients registered during <sup>1</sup> _____ quarter of year _____
Name of TB Coordinator: _____ Signature: _____	Date of completion of this form: _____

### Block 1: All TB cases registered<sup>2</sup>

Pulmonary sputum smear microscopy positive				New pulmonary sputum smear microscopy negative			Pulmonary sputum smear microscopy not done / not available			New extrapulmonary			Other previously treated <sup>3</sup>	TOTAL All cases
New cases	Previously treated			0-4 yrs	5-14 yrs	≥ 15 yrs	0-4 yrs	5-14 yrs	≥ 15 yrs	0-4 yrs	5-14 yrs	≥ 15 yrs		
	Relapses	After failure	After default											

### Block 2. New pulmonary sputum smear microscopy positive cases – Age group

Sex	0-4	5-14	15-24	25-34	35-44	45-54	55-64	> 65	Total
M									
F									

### Block 3: Laboratory activity - sputum smear microscopy<sup>4</sup>

No. of TB suspects examined for diagnosis by sputum smear microscopy	No. of TB suspects with positive sputum smear microscopy result

### Block 4: TB/HIV activities<sup>2</sup>

	No. patients tested for HIV before or during TB treatment <sup>5</sup>	No. patients HIV positive <sup>5</sup>
New sputum smear microscopy positive TB		
All TB cases		

1 Registration period is based on date of registration of cases in the TB Register, following the start of treatment. Q1: 1 January–31 March; Q2: 1 April–30 June; Q3: 1 July–30 September; Q4: 1 October–31 December.

2 'Transferred in' and chronic cases are excluded. In areas routinely using culture, a separate form for unit using culture should be used.

3 Other previously treated cases include pulmonary cases with unknown history of previous treatment, previously treated sputum smear microscopy negative pulmonary cases and previously treated extrapulmonary cases. 'Transferred in' and chronic cases are excluded.

4 Data collected from the TB Laboratory Register based on "Date specimen received" in the laboratory during the quarter, without including patients with examination because of follow-up.

5 Documented evidence of HIV tests (and results) performed in any recognized facility before TB diagnosis or during TB treatment (till end of the quarter) should be reported here.



# TB/HIV

# QUARTERLY TREATMENT OUTCOME REPORTS

Tuberculosis Programme

Form 7

## Quarterly Report on TB Treatment Outcome and TB/HIV Activities in BMU

Name of BMU: _____ Facility: _____	Patients registered during <sup>1</sup> _____ quarter of year _____
Name of TB Coordinator: _____ Signature: _____	Date of completion of this form: _____

### Block 1: TB treatment outcomes<sup>1</sup>

Type of case	Total number of patients registered during quarter *	Treatment outcomes						Total number evaluated for outcomes: (sum of 1 to 6)
		Cure (1)	Treatment completed (2)	Died (3)	Treatment failure <sup>2</sup> (4)	Default (5)	Transfer out (6)	
New sputum smear microscopy positive								
Previously treated sputum smear microscopy positive								
All other cases (Sputum smear negative, smear not done, EP, other previously treated <sup>3</sup> )								

\* These numbers are transferred from the Quarterly Report on TB Case Registration for the above quarter. Specify any exclusion: \_\_\_\_\_

### Block 2: TB/HIV activities<sup>1</sup>

	No. patients on CPT <sup>4</sup>	No. patients on ART <sup>5</sup>
All TB cases		

1 Quarter 1 of the form applies to patients registered (recorded in the BMU TB Register) in the quarter that ended 12 months ago. For example, if completing this form at the close of the second quarter, record data on patients registered in the 2nd quarter of the previous year.

2 Includes patients switched to Cat. IV because sputum sample taken at start of treatment turned out to be MDRTB.

3 Other previously treated cases include pulmonary cases with unknown history of previous treatment, previously treated sputum smear microscopy negative pulmonary cases, and previously treated extrapulmonary cases. 'Transferred in' and chronic cases are excluded.

4 Includes TB patients continuing on CPT started before TB diagnosis and those started during TB treatment (till last day of TB treatment).

5 Includes TB patients continuing on ART started before TB diagnosis and those started during TB treatment (till last day of TB treatment).



# TB/HIV



# Revision of TB/HIV indicators

## WHO TB/HIV M&E guide

We reduced the number of indicators from 20 to 12 including 2 new ones.



**% of PLHIV attending testing and counselling and Tx and care who were screened for TB**



**% in Care (Pre ART /ART registers) who had TB status assessed during their last visit.**

**Of those who were screened for TB symptoms, how many were newly diagnosed TB**



**% in Care (on Pre ART /ART registers) who started TB Tx during last year**



# Table of indicators Measured in HIV Care Settings by the

Indicator and definition	What to measure
<b>Indicator B.1.1</b> Number of adults and children enrolled in HIV care who had TB status assessed and recorded during their last visit, expressed as a proportion of all adults and children enrolled in HIV care in the reporting period.	<i>Numerator:</i> Number of adults and children enrolled in HIV care*, who had their TB status assessed and recorded during their last visit. <i>Denominator:</i> Total number of adults and children enrolled in HIV care* in the reporting period.
<b>Indicator B.1.2</b> Number of adults and children enrolled in HIV care who started TB treatment, expressed as a proportion of adults and children enrolled in HIV care during the reporting period.	<i>Numerator:</i> The number of adults and children in enrolled in HIV care* who started TB treatment during the reporting period <i>Denominator:</i> Number of adults and children enrolled in HIV care* during the reporting period
<b>Indicator B.2.1</b> Number of adults and children newly-enrolled in HIV care who are started on treatment for latent TB infection (isoniazid preventive therapy (IPT)) expressed as a proportion of the total number of adults and children newly-enrolled in HIV care over a given time period.	<i>Numerator:</i> Total number of adults and children newly-enrolled in HIV care who start (given at least one dose) treatment of latent TB infection over a given time period. <i>Denominator:</i> Total number of adults and children newly-enrolled in HIV care over a given time period.
<b>Indicator B.3.1</b> Number of health care facilities providing services for people living with HIV with demonstrable infection control practices that include TB control, expressed as a proportion of the total number of health care facilities evaluated	<i>Numerator:</i> Number of health care facilities with demonstrable infection control practices that include TB control that are consistent with international guidelines <i>Denominator:</i> Total number of health care facilities evaluated.* *Also give the total number of each type of facility nationally to indicate the proportion evaluated.
<b>Indicator B.3.2</b> Number of health care staff working in facilities providing care for people living with HIV, who develop TB in one year expressed as a proportion of the total number of health care staff working in facilities providing care for people living with HIV during that same year	<i>Numerator:</i> Number of health care workers working in HIV care facilities who develop TB in one year <i>Denominator:</i> Total number of health care workers working in HIV care during that same year

**TB STATUS AT  
LAST VISIT**

**STARTED TB  
TREATMENT**

**NEWLY ENROLLED  
ON IPT**

**INFECTION  
CONTROL  
PRACTICES**

**HEALTH WORKERS  
WITH TB**



# New indicator:



- ***Infection control: health workers with TB:***  
***Number of health care staff working in facilities providing care for people living with HIV, who develop TB in one year ,***  
***expressed as a proportion of the total number of health care staff working in facilities providing care for people living with HIV during that same year***

***THIS HAS BEEN FIELD TESTED IN MALAWI.  
SPECIAL NATIONAL SURVEY.***



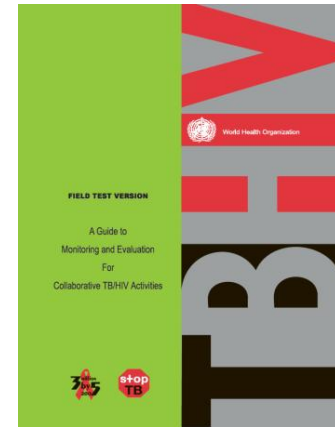
# Revision of TB/HIV indicators

## Next steps

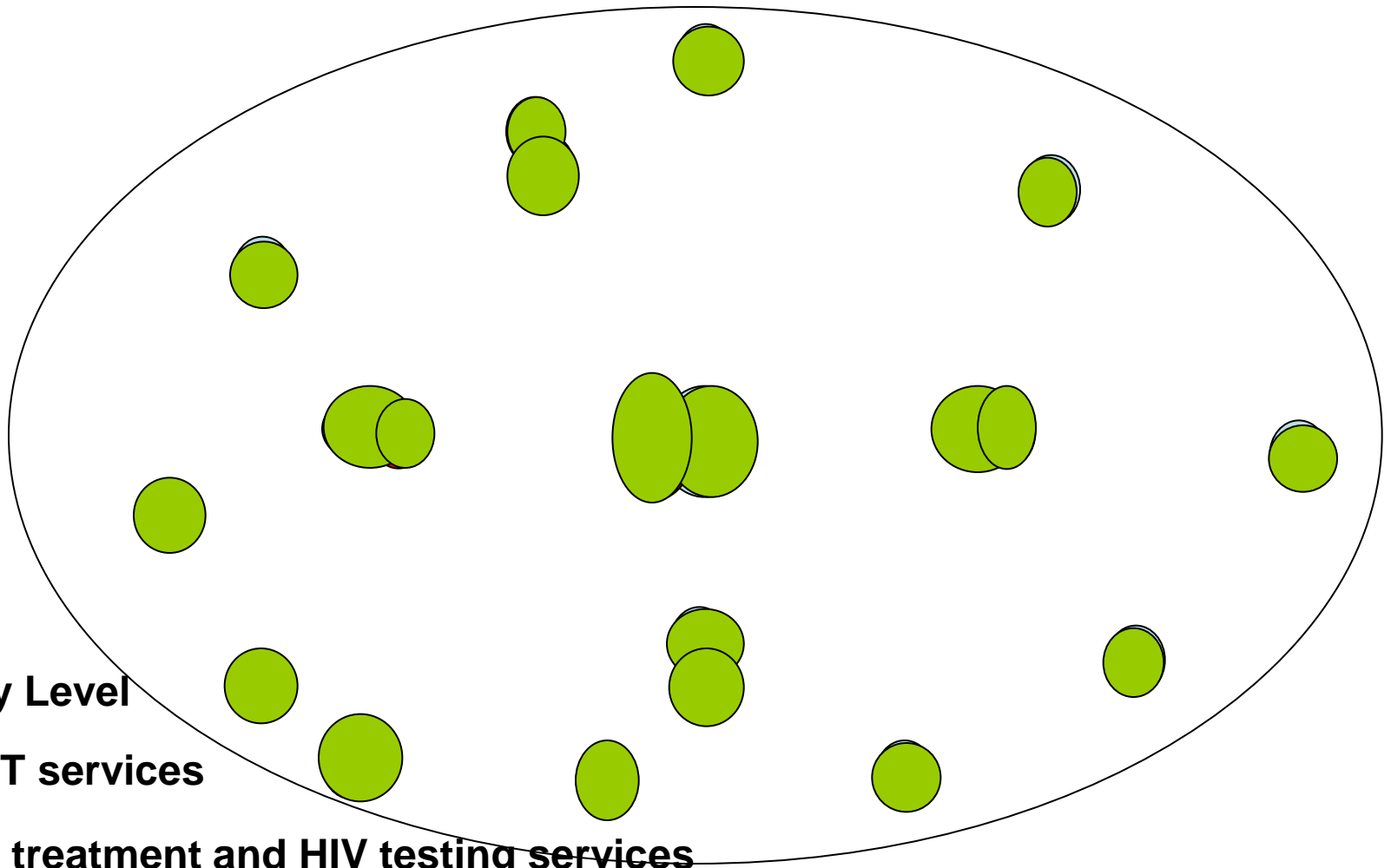
General email & web based consultation process:  
(November to December 2008)

Finalise document December 2008

Publish early in 2009



# *The HIV/TB M&E Challenge: Health facility implementation*



# A little Supermarket survey

## Integrated but separated

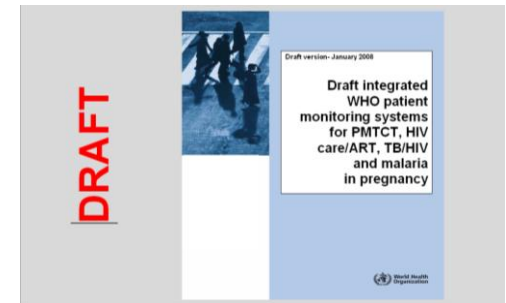
COUNTRY	Supermarket = Health institution				% of Supermarkets offering TB Tx and ART (assuming overlap)
	Number of Supermarkets offering TB treatment	Number of Supermarkets offering HIV testing	Number of Supermarkets offering ART treatment	Number of Supermarkets providing PRE ART Registration	
BOTSWANA	635	635	50	50	8%
ETHIOPIA	700	1336	353	353	50%
INDIA	120000		172		0.1%
KENYA	1901	1901	524	524	28%
MALAWI					
MOZAMBIQUE					
NIGERIA	2300		280		12%
SOUTH AFRICA					
SUDAN	300	120	30		10%
SWAZILAND	19		25		76%
TANZANIA					
ZAMBIA	1400		340		24%
LESOTHO					
UGANDA					
CONGO					
<b>TOTAL (without India)</b>	<b>7255</b>	<b>3992</b>	<b>1602</b>		<b>22%</b>



# Revision of HIV recording and reporting formats to measure TB/HIV indicators

## AIMS: report on

- TB status assessment
- TB treatment provision
- IPT provision



- On HIV patient forms
- On HIV Pre ART & ART Registers
- On quarterly cross-sectional reporting forms



**TB/HIV**

# Facility based HIV care/ ART card

## 4. Facility-based HIV care /ART card

**HIV CARE/ART CARD** \_\_\_\_\_

Unique # \_\_\_\_\_ **Status at enrolment:**  HIV-exposed infant (assigned Unique ID only once confirmed HIV+)  TB Rx  Preg  Postpartum

District \_\_\_\_\_ Health unit \_\_\_\_\_ District clinician/team \_\_\_\_\_

Name \_\_\_\_\_ Pt clinic# \_\_\_\_\_

Sex: M  F  Age \_\_\_\_\_ DOB \_\_\_\_\_ Marital status \_\_\_\_\_

Address \_\_\_\_\_

Telephone (whose): \_\_\_\_\_

Treatment supporter/med pick-up if ill: \_\_\_\_\_

Address \_\_\_\_\_

Telephone (whose): \_\_\_\_\_

Home-based care provided by: \_\_\_\_\_

Prior ART			
Y(✓)	Prior ART	Date	
	None		
	PMTCT only	/ /	Where _____ ARVs _____
	Earlier ARV not transfer in	/ /	Where _____ ARVs _____

ART Care		COHORT:
Date		
/ / ART transfer in from _____ ARVs _____		
/ / Start ART 1st-line initial regimen _____		
At start ART: Wt _____ Cl. Stage _____ CD4 _____ Preg _____		
<b>Substitute within 1st-line</b>		
/ / New regimen _____		Why _____
/ / New regimen _____		Why _____
<b>Switch to 2nd-line (or substitute within 2nd-line)</b>		
/ / New regimen _____		Why _____
/ / New regimen _____		Why _____

Names of family members and partners	Age	HIV P/N	HIV care Y/N	Unique no.	Exposed infant follow-up								
					Exposed infant (Name#)	DOB	Infant feeding practice at 3 app	CTX started by 2 app	HIV test Type/ Result	Final status	(if confirm +) Unique ID		

HIV care		
	Date	
Confirmed HIV+ test	/ /	HIV 1 2 <u>Ab/PCR</u> Where _____
HIV enrolled	/ /	<input type="checkbox"/> HIV care transfer in from _____
Eligible for ART	/ /	Clinical stage _____ CD4 _____ <input type="checkbox"/> Presumptive clinical HIV diagnosis of severe HIV infection in infant

Drug allergies \_\_\_\_\_

Relevant medical conditions\* \_\_\_\_\_

ART treatment interruptions -- STOP or missed drug pick-up							
Stop or Lost (circle)	Stop Lost	Stop Lost	Stop Lost	Stop Lost	Stop Lost	Stop Lost	Stop Lost
Date	/ /	/ /	/ /	/ /	/ /	/ /	/ /
Why							
Date if restart							

Status		
	Date	
Dead	/ /	
Transfer out	/ /	Where _____
Lost to follow-up (drop)	/ /	



# TB information on HIV care card

## 4. Facility-based HIV care /ART card

Unique #

### HIV CARE/ART CARD

Name \_\_\_\_\_

Date Check if scheduled. Write in alternate pick-up if ill	Follow-up date	Duration in months since first starting ART/ since starting current regimen	Wt Ht at first visit  If child record +/- oedema	If Pregnant EDD? PMTCT? Write gestation in weeks and ANC #  FP/no FP if FP write method(s)  If child record MUAC Write age in mos. if <59 mos.	TB status (TB Rx, record month/year started and TB reg #)	Potential SIDE EFFECTS	New OI, Other PROBLEMS If child, include nutritional problems	WHO clinical stage	Cotrimoxazole		INH  # pills dispensed	Other meds dispensed (including nutritional supplements)	ARV drugs (incl. prophylaxis)		Investigations  CD4 If < 5, record CD4% +/- severe  Hgb, RPR, CXR, TB sputums, Infant Ab/PCR, other	Refer or consult or link/provide (including nutritional support and TB editing)  # hospitalized, # of days	Positive prevention
									Adhere/Why	Dose/ Days			Adhere/Why	Regimen/ Dose/ No. days dispensed			
<input type="checkbox"/>																	
<input type="checkbox"/>																	
<input type="checkbox"/>																	
<input type="checkbox"/>																	

#### Codes for TB status (check on each visit):

**No signs** = no signs or symptoms of TB  
**Suspect** = TB refer or sputums sent (Record sputum sent & results in lab column; record referral in Refer col)  
**Not done (ND)** = not assessed for whatever reason  
**TB Rx** = currently on TB treatment. Record month/year started and TB reg #  
 (Record INH in INH col) and TB treatment regimen in Other meds col)



# TB HIV

# PRE/ART registers already contain TB tx and IPT columns

- Adjust to record month year & TB registration numbers
- Now also to record TB status at monthly/quarterly visits

5. Pre-ART register

Registration								Fill when applicable			Clinical stage (check)				PMTCT				ART	
Date enrolled in chronic HIV care	Unique ID no.	Patient clinic ID no.	NAME IN FULL Upper space: surname Lower space: given name	Sex	Age	Address	Status at enrolment (record TI if transfer in)	CTX Start Month/ year	INH Start Month/ year	TB Rx Start Month/ year and TB Reg. #	1	2	3	4	For each pregnancy, record EDD, ANC # and HIV-exposed infant #				Date medically eligible for ART	Date ART started (transfer to ART register)
															Hsg 1	Hsg 2	Hsg 3	Hsg 4		



# Pre-ART register: TB status follow up

## 5. Pre-ART register

Quarterly follow-up status																							
Top row: CD4 - record last CD4 in quarter → - did not have visit scheduled for that quarter LOST - not seen in last quarter, but scheduled for a visit TO - Transferred out (record to where) DEAD - Record date																							
Bottom row: Y/II - TB status completed at last visit in last quarter																							
Year: 2008				Year: 2009				Year: 2010				Year: 2011				Year: 2012				Year: 2013			
Q1 Jan-Mar	Q2 Apr-Jun	Q3 Jul-Sep	Q4 Oct-Dec	Q1 Jan-Mar	Q2 Apr-Jun	Q3 Jul-Sep	Q4 Oct-Dec	Q1 Jan-Mar	Q2 Apr-Jun	Q3 Jul-Sep	Q4 Oct-Dec	Q1 Jan-Mar	Q2 Apr-Jun	Q3 Jul-Sep	Q4 Oct-Dec	Q1 Jan-Mar	Q2 Apr-Jun	Q3 Jul-Sep	Q4 Oct-Dec	Q1 Jan-Mar	Q2 Apr-Jun	Q3 Jul-Sep	Q4 Oct-Dec





# Cross-sectional quarterly report

## Cross-sectional quarterly (or monthly) report form

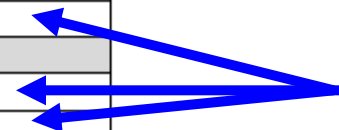
Reporting period:	Year:
MOH or Project or Grantee:	Facility:
Location:	Country:

### 1. Pre-ART -- new and cumulative enrolled in HIV care

	Cumulative number of persons ever enrolled in HIV care at this facility at end of the previous reporting period	New persons enrolled in HIV care at this facility during the reporting period	Cumulative number of persons ever enrolled in HIV care at this facility at end of the current reporting period
Males (>14 years)	a.	f.	k.
Females (>14 years)	b.	g.	l.
Boys (0-14 years)	c.	h.	m.
Girls (0-14 years)	d.	j.	n.
Total	e.	i.	o.
<b>Subset of those newly enrolled in HIV care</b>			
Pregnant females		p.	
Started INH prophylaxis during the reporting period		q.	
Already enrolled in HIV care who transferred in from another facility during the reporting period		r.	
<b>Subset of those cumulatively enrolled in HIV care</b>			
Total number of persons who are enrolled and eligible for ART but have not been started on ART			s.

### 2. Pre-ART -- seen for HIV care during the reporting period

	Total
Total	a.
<b>Subset of those seen during the reporting period</b>	
TB status completed at last visit	b.
TB treatment started during the reporting period	c.



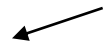
**TB HIV**

<b>3. ART -- new and cumulative started on ART</b>			
	Cumulative number of persons ever started on ART at this facility at the end of the previous reporting period	New persons started on ART at this facility during the reporting period	Cumulative number of persons ever started on ART at this facility at end of the current reporting period
Males (>14 years)	a.	g.	m.
Females (>14 years)	b.	h.	n.
Children (5-14 years)	c.	i.	o.
Children (1-4 years)	d.	j.	p.
Children (< 1 year)	e.	k.	q.
Total	f.	<b>l.</b>	r.

**DENOMINATOR= CURRENT ON ART PREVIOUS Q + STARTING TX**

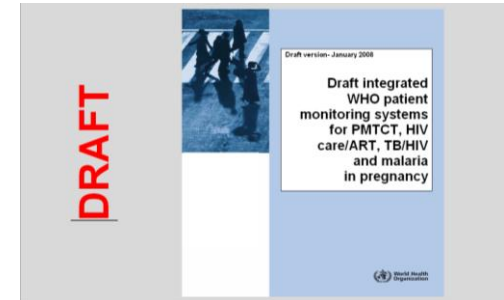
<b>4. ART -- current on ART - based on age at start ART</b>			
ARV regimen at end of reporting period	Male	Female	Total
<b>On 1<sup>st</sup>-line ARV regimen</b>			
Adults (>14 years)	a.	h.	o.
Children (0-14 years)	b.	i.	p.
<b>Adults and children on 1<sup>st</sup>-line regimens</b>	c.	j.	q.
<b>On 2<sup>nd</sup>-Line ARV regimen</b>			
Adults (>14 years)	d.	k.	r.
Children (0-14 years)	e.	l.	s.
<b>Adults and children on 2<sup>nd</sup>-line regimens</b>	f.	m.	t.
<b>Adults and children on 1<sup>st</sup> &amp; 2<sup>nd</sup>-line regimens (Total current on ART)</b>	g.	n.	<b>u.</b>
<b>Subset of those current on ART</b>			
TB status completed at last visit during the reporting period			v.
TB treatment started during the reporting period			w.

Previous  
Quarter



# Revision of HIV recording and reporting formats to measure TB/HIV indicators

## Next steps



*Still undergoing consultation and pilot testing  
Then will need roll out and scale up.*



**TB:HIV**

# Countries using adaptations of the generic HIV care/ART patient monitoring tools

**Guyana**

**Moldova  
Ukraine**

**Djibouti  
Somalia  
Sudan  
Yemen**

**India  
Indonesia  
Myanmar  
Nepal  
Sri Lanka  
Viet Nam**

**Côte d'Ivoire  
Ethiopia  
Kenya  
Lesotho  
Mozambique  
Namibia  
Nigeria  
Senegal  
South Africa  
Swaziland  
Tanzania  
Uganda  
Zambia  
Zimbabwe**

for 2007 annual progress report, 50% of countries reported on continuation of ART at 12 months



# INDICATOR ISSUE

- How to implement roll out the revised HIV recording and reporting formats including the HIV/TB indicators
- How many countries are using adaptations of the WHO recommended R&R formats?



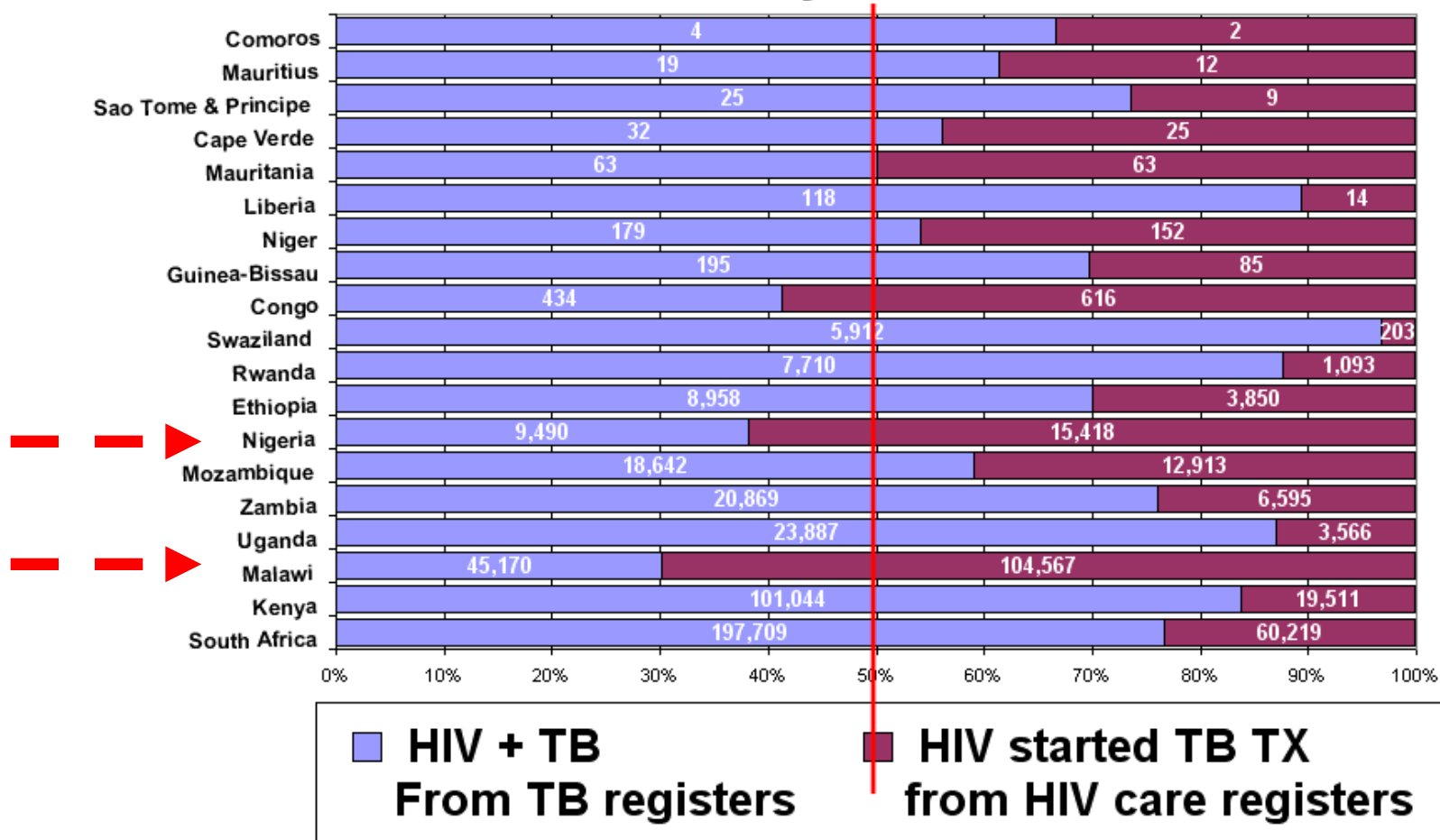
**TBIV**

# DATA HARMONISATION



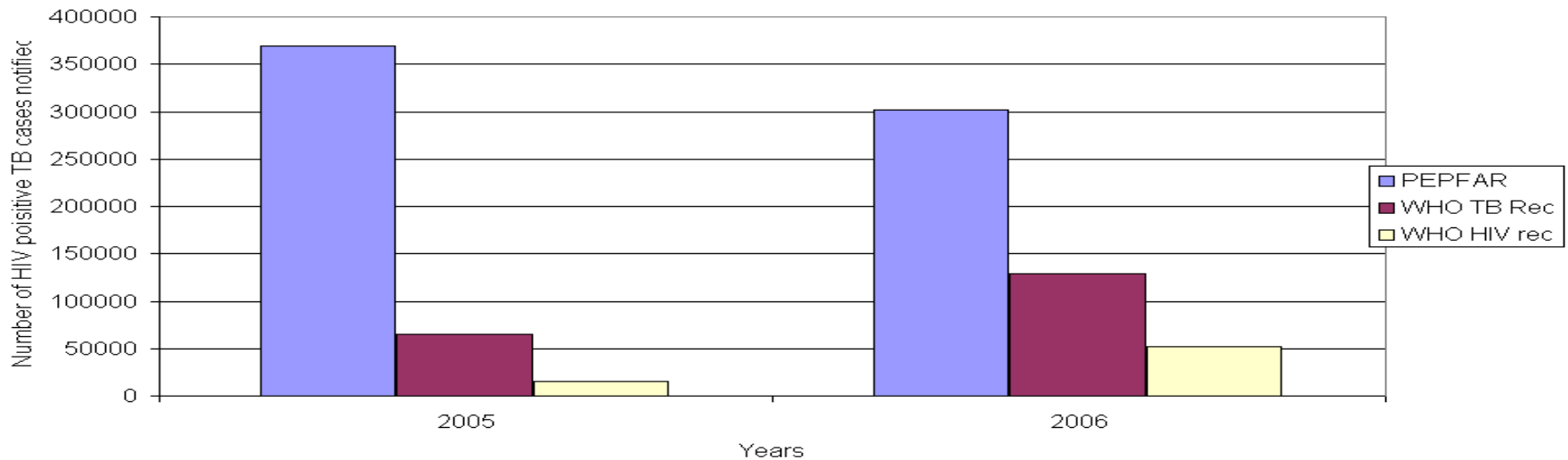
**TEHV**

## Need for TB/HIV data harmonisation at Country level 2007



# Data harmonisation between partners

Data variation  
Pepfar: Total no of HIV positive receiving TB treatment  
WHO: TB patients with HIV  
HIV patients with TB



HIV+TB patients. Pepfar 2 to 5 x NTP to WHO  
equivalent 1/3 rd of all TB notifications  
needs further exploration . eg data sources (4 countries)



TB HIV

# Data harmonisation between partners

- **QUESTION**

- How can WHO assist countries in establishing national review meeting processes to ensure that TB/HIV data collected is comparable and consistent, accurate, comprehensive and based on the country Ministries of Health data source and reporting cycle, and that technical/donor partners support that process?



**TB/HIV**