PBMEF Contact Investigation Indicators

The color of the indicator reference sheet indicates whether the indicator is calculated or not calculated, and whether it could be considered a disaggregate of another indicator:

Calculated indicators:

Indicator name	Ex: PCT_TB_ART: Percentage TB clients who start or continue ART

Non calculated indicators:

Indicator name	Ex: TB_ART_N: Number of TB clients who start or continue ART

Calculated indicators that could be reported as a disaggregate of another indicator:

Indicator name	Ex: PCT_DRTB_ART: Percentage DR-TB clients who start or continue ART

Non calculated indicators that could be reported as a disaggregate of another indicator:

Indicator name	Ex: DRTB_ART_N: Number of DR-TB clients who start or continue ART

Indicator name	**E_HH_SIZE: Estimated average household size**	
Definition	Estimated average number of household contacts identified per one notified new episode of bacteriologically confirmed pulmonary TB (new, recurrent[1]) during the reporting period	
Numerator	Estimated average number of household contacts identified per one notified new episode of bacteriologically confirmed pulmonary TB (new, recurrent) during the reporting period	*PBMEF data element: E_HH_SIZE* *WHO data element: e_hh_size*
Denominator	N/A	*PBMEF data element: N/A*
Category	Reach	
Indicator type	Output	
PBMEF level	Extended	
Unit of measure	Number of people	
Disaggregate by	Age, sex	

Indicator name	**DT_CI_INIT_BC: Number of people with bacteriologically confirmed TB with a contact investigation initiated**	
Definition	Number of people with bacteriologically confirmed TB with a contact investigation initiated during the reporting period. CI initiated: For the purpose of this indicator, "initiated" refers to the process of enumeration of all known contacts to an index TB case. CI will include the evaluation of those contacts to determine if any have active TB disease or TB infection (TBI) through symptom screening, diagnostic testing, chest X-ray (CXR), or clinical evaluation. Index case: Person with pulmonary TB who is notified to health authorities.	
Numerator	Number of people with bacteriologically confirmed TB with a contact investigation initiated during the reporting period.	*PBMEF data element: DT_CI_INIT_BC*
Denominator	N/A	*N/A*
Category	Reach	
Indicator type	Output	

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[1] Previously "relapse"

PBMEF level	Extended
Unit of measure	Number of people
Disaggregate by	This indicator could be reported as a disaggregate of DT_CI_INIT.

Indicator name	DT_CI_INIT_NBC: Number of people with clinically diagnosed TB with a contact investigation initiated	
Definition	Number of people with clinically diagnosed TB with a contact investigation initiated during the reporting period CI initiated: For the purpose of this indicator, "initiated" refers to the process of enumeration of all known contacts to an index TB case. CI will include the evaluation of those contacts to determine if any have active TB disease or TB infection (TBI) through symptom screening, diagnostic testing, chest X-ray (CXR), or clinical evaluation. Index case: Person with pulmonary TB who is notified to health authorities.	
Numerator	Number of people with clinically diagnosed TB with a contact investigation initiated during the reporting period	*PBMEF data element: DT_CI_INIT_NBC*
Denominator	N/A	*N/A*
Category	Reach	
Indicator type	Output	
PBMEF level	Extended	
Unit of measure	Number of people	
Disaggregate by	This indicator could be reported as a disaggregate of DT_CI_INIT.	

Indicator name	DR_CI_INIT: Number of people with DR-TB who had a contact investigation initiated
Definition	Number of people with notified DR-TB (RR/MDR-TB and pre-XDR/ADR-TB) in the reporting period who had a contact investigation initiated. CI initiated: For the purpose of this indicator, "initiated" refers to the process of enumeration of

	all known contacts to an index TB case. CI will include the evaluation of those contacts to determine if any have active TB disease or TB infection (TBI) through symptom screening, diagnostic testing, chest X-ray (CXR), or clinical evaluation. Index case: Person with pulmonary TB who is notified to health authorities.	
Numerator	Number of people with notified DR-TB (RR/MDR-TB and pre-XDR/ADR-TB) in the reporting period who had a contact investigation initiated.	*PBMEF data element: DR_CI_INIT*
Denominator	N/A	*N/A*
Category	Reach	
Indicator type	Output	
PBMEF level	Extended	
Unit of measure	Number of people	
Disaggregate by	This indicator could be reported as a disaggregate of DT_CI_INIT.	

Indicator name	**CON_SCRN_ALL: Contacts screened for active TB disease**	
Definition	Number of contacts to people with pulmonary TB (bacteriologically confirmed or clinically diagnosed) who were screened for active TB disease during the reporting period.	
Numerator	Number of contacts to people with pulmonary TB (bacteriologically confirmed and clinically diagnosed) who were screened for active TB disease during the reporting period.	*PBMEF data element: CON_SCRN_ALL*
Denominator	N/A	*N/A*
Category	Reach	
Indicator type	Output	
PBMEF level	Extended	
Unit of measure	Number of people	
Disaggregate by	Age, sex	

Indicator name	CON_SCRN: Number of contacts screened for active TB	
Definition	Number of contacts of people with bacteriologically confirmed pulmonary TB (new, recurrent[2]) who were screened for active TB disease during the reporting period.	
Numerator	Number of contacts of people with notified new episode of bacteriologically confirmed pulmonary TB (new, recurrent[3]) who were screened for active TB disease during the reporting period.	*PBMEF data element: CON_SCRN*
Denominator	N/A	*N/A*
Category	Reach	
Indicator type	Output	
PBMEF level	Extended	
Unit of measure	Number of people	
Disaggregate by	Age, sex	

Indicator name	CON_ALL: Number of contacts to pulmonary TB identified	
Definition	Number of contacts to people with pulmonary TB (bacteriologically confirmed and clinically diagnosed) identified in the reporting period.	
Numerator	Number of contacts to people with pulmonary TB (bacteriologically confirmed and clinically diagnosed) identified in the reporting period.	*PBMEF data element: CON_ALL*
Denominator	N/A	*PBMEF data element: N/A*
Category	Reach	
Indicator type	Output	
PBMEF level	Extended	
Unit of measure	Number of people	

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[2] Previously "relapse"

[3] Previously "relapse"

Disaggregate by	Age, sex

	Indicator name	PCT_DR_CON_SCRN: Percent of DR-TB contacts who were screened for TB *[New]*	
	Definition	Percent of DR-TB contacts who were screened for TB during the reporting period.	
	Numerator	Number of DR-TB contacts who were screened for TB during the reporting period.	*PBMEF data element: DR_CON_SCRN*
	Denominator	Number of contacts to people with pulmonary DR-TB identified in the reporting period.	*PBMEF data element: DR_CON_ALL*
	Category	Reach	
	Indicator type	Output	
	PBMEF level	Extended	
	Unit of measure	Number of people	
	Disaggregate by	Age, sex This indicator could be reported as a disaggregate of CON_SCRN.	

Indicator name	PCT_CON_PRES: Percent of contacts with presumptive TB	
Definition	Percent of contacts to a person with notified TB who screened positive for TB (i.e. have presumptive TB) among the number of contacts to pulmonary TB identified during the reporting period. Presumptive TB: A person who has one or more signs or symptoms of active TB disease and should be referred for diagnostic testing to diagnose or rule out active disease; a person can be determined to have presumptive TB using various screening methods including the WHO four symptom screen and chest x-ray, depending on country guidelines.	
Numerator	Number of contacts to a person with TB who had presumptive TB identified during the reporting period.	*PBMEF data element: DT_CON_PRES*
Denominator	Number of contacts to pulmonary TB identified during the reporting period.	*PBMEF data element: CON_ALL*

Category	Reach
Indicator type	Output
PBMEF level	Extended
Unit of measure	Percent of people
Disaggregate by	Age, sex

Indicator name	CON_TST_WRD: Number of contacts tested with mWRD	
Definition	Number of contacts who were tested using a WHO-recommended rapid diagnostic test (WRD): FluoroType® MTBDR (Hain), Loopamp™ MTBC detection kit (TB-LAMP), Xpert® MTB/RIF, Xpert® MTB/RIF Ultra, Truenat® MTB or MTB Plus, RealTime MTB (Abbott), BD MAX™ MDR-TB, cobas® MTB (Roche), or LF-LAM at the time of initial TB diagnosis (regardless of test result).	
Numerator	Number of contacts who were tested using a WHO-recommended rapid diagnostic test (WRD): FluoroType® MTBDR (Hain), Loopamp™ MTBC detection kit (TB-LAMP), Xpert® MTB/RIF, Xpert® MTB/RIF Ultra, Truenat® MTB or MTB Plus, RealTime MTB (Abbott), BD MAX™ MDR-TB, cobas® MTB (Roche), or LF-LAM at the time of initial TB diagnosis (regardless of test result).	*PBMEF data element: CON_TST_WRD*
Denominator	N/A	*N/A*
Category	Reach	
Indicator type	Output	
PBMEF level	Extended	
Unit of measure	Number of people	
Disaggregate by		

Indicator name	CON_BAC_CONF: Number of contacts bacteriologically confirmed
Definition	Number of contacts bacteriologically confirmed (smear positive or culture positive or positive by WRD) during the reporting period.

	Bacteriologically confirmed: Smear positive for TB or culture positive for TB or positive for TB by a World Health Organization-recommended rapid diagnostics test (WRD): FluoroType® MTBDR (Hain), Loopamp™ MTBC detection kit (TB-LAMP), Xpert® MTB/RIF, Xpert® MTB/RIF Ultra, Truenat® MTB or MTB Plus, RealTime MTB (Abbott), BD MAX™ MDR-TB, cobas® MTB (Roche), or LF-LAM.	
	Note: LF-LAM is included as a recommended TB test for people living with HIV (PLHIV). LF- LAM is not recommended to confirm TB in all populations and notably should not be used in outpatient settings for adults, adolescents, and children without symptoms of TB or in those with a CD4 count > 200 cells/mm3. At the time of this publication, Alere Determine™ TB LAM Ag is the only commercially available LF- LAM test. Full guidance on the use of LF-LAM can be found at: www.who.int/publications/i/item/9789241550604	
Numerator	Number of contacts bacteriologically confirmed (smear positive or culture positive or positive by WRD) during the reporting period.	*PBMEF data element: CON_BAC_CONF*
Denominator	N/A	*N/A*
Category	Reach	
Indicator type	Output	
PBMEF level	Extended	
Unit of measure	Number of people	
Disaggregate by	Type of diagnostic test	

Indicator name	CON_NBAC_CONF: Number of contacts who were clinically diagnosed with TB
Definition	Number of contacts who were clinically diagnosed with TB during the reporting period.

Numerator	Number of contacts who were clinically diagnosed with TB during the reporting period.	*PBMEF data element: CON_NBAC_CONF*
Denominator	N/A	*N/A*
Category	Reach	
Indicator type	Output	
PBMEF level	Extended	
Unit of measure	Number of people	

Disaggregate by	Age, sex

Indicator name	CON_SCRN_NEG: Contacts screened negative for TB [Previously CI-12]	
Definition	Number of contacts screened negative for TB during the reporting period	
Numerator	Number of contacts screened negative for TB during the reporting period	*PBMEF data element: CON_SCRN_NEG*
Denominator	N/A	*PBMEF data element: N/A*
Category	Reach	
Indicator type	Output	
PBMEF level	Extended	
Unit of measure	Number of people	
Disaggregate by	Age, sex	

Indicator name	DR_CON_DX: Number of DR-TB contacts who were diagnosed with TB	
Definition	Number of DR-TB contacts who were diagnosed with TB during the reporting period.	
Numerator	Number of DR-TB contacts who were diagnosed with TB during the reporting period.	*PBMEF data element: DR_CON_DX*
Denominator	N/A	*N/A*
Category	Reach	
Indicator type	Output	
PBMEF level	Extended	
Unit of measure	Number of people	
Disaggregate by	DS-TB vs DR-TB diagnosis This indicator could be reported as a disaggregate of DT_CON_DX..	

Indicator name	DR_CON_DXDR: Number of DR-TB contacts who were diagnosed with DR-TB	
Definition	Number of DR-TB contacts who were diagnosed with DR-TB during the reporting period.	
Numerator	Number of DR-TB contacts who were diagnosed with DR-TB during the reporting period.	*PBMEF data element: DR_CON_DXDR*
Denominator	N/A	*N/A*
Category	Reach	
Indicator type	Output	
PBMEF level	Extended	
Unit of measure	Number of people	
Disaggregate by	This indicator could be reported as a disaggregate of DR_CON_DX.	

Indicator name	DR_CON_DXDS: Number of DR-TB contacts who were diagnosed with DS-TB	
Definition	Number of DR-TB contacts who were diagnosed with DS-TB during the reporting period.	
Numerator	Number of DR-TB contacts who were diagnosed with DS-TB during the reporting period.	*PBMEF data element: DR_CON_DXDS*
Denominator	N/A	*N/A*
Category	Reach	
Indicator type	Output	
PBMEF level	Extended	
Unit of measure	Number of people	
Disaggregate by	This indicator could be reported as a disaggregate of DR_CON_DX.	

Indicator name	**PEDS_SOURCE: Percent of childhood TB notified with a source case detected**	
Definition	Percent of source TB cases to a child or adolescent aged 0-14 years notified with a new episode of TB (new, recurrent[4], or unknown previous treatment history), all forms, who were identified in the reporting period through a 'reverse' contact investigation.	
Numerator	Number of source TB cases to a child or adolescent aged 0-14 years notified with a TB, all forms, who were identified in the reporting period through a 'reverse' contact investigation.	*PBMEF data element: PEDS_SOURCE*
Denominator	Number of children and adolescents (0–14 years) with a new episode of TB (new, recurrent, or unknown previous treatment history), all forms, who were notified in a reporting period.	*PBMEF data element: PEDS_NOTIF* *WHO data element: newrel_f014 + newrel_m014*
Category	Reach	
Indicator type	Output	
PBMEF level	Extended	
Unit of measure	Percent of people	
Disaggregate by	Age (0-4, 5-9, 10-14)	

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[4] Previously "relapse"