

Appendix PE I Program Evaluation Forms

The Program Evaluation Forms Appendix details the information to be contained in each individual data point on both Aggregate Reports for Tuberculosis Program Evaluation forms:

- Follow-up and Treatment for Contacts to Tuberculosis Case Report
- Targeted Testing and Treatment for Latent Tuberculosis Infection (Targeted Testing Report).

Follow-up and Treatment for Contacts to Tuberculosis Cases Report Instructions

The Follow-up and Treatment for Contacts to Tuberculosis Case Report is an annual summary of health department activity in eliciting and evaluating contacts to TB cases and treating the contacts that have latent TB infection. The report can also include results provided by partner or contract healthcare entities, provided that these outside healthcare entities have cooperated with the health department to ensure that the data are accurate.

 <p>DEPARTMENT OF HEALTH AND HUMAN SERVICES PUBLIC HEALTH SERVICE CENTERS FOR DISEASE CONTROL AND PREVENTION NATIONAL CENTER FOR HASTED AND TUBERCULOSIS DIVISION OF TUBERCULOSIS ELIMINATION 1600 CLIFTON ROAD, NE ATLANTA, GEORGIA 30333</p>	<p align="center">1996 CONTACT-TOTAL 1996G A00000C P026X</p>	<p>Form Approved OMB No. 0920-0457 Exp. Date 11/98/2002</p>	
<p>Aggregate Reports for Tuberculosis Program Evaluation: Follow-up and Treatment for Contacts to Tuberculosis Cases</p>			
Reporting Area: <u>GA0000</u>			
Cohort Year: <u>1996</u>			
Primary Date for Follow-up: <u>08/15/1997</u>	(August 15 of the second year after the cohort year)		
Total TB Cases Reported: <u>30</u>			
Part I. Cases and Contacts			
Types of Cases for Investigation:			
	Sputum smear +	Sputum smear -cult +	Others
Cases for Investigation.....	20 (a1)	8 (a2)	2 (a3)
Cases with No Contacts.....	4 (b1)	2 (b2)	0 (b3)
Number of Contacts.....	80 (c1)	32 (c2)	40 (c3)
Evaluated.....	60 (d1)	24 (d2)	40 (d3)
TB Disease.....	20 (e1)	24 (e2)	16 (e3)
Latent TB Infection.....	40 (f1)	0 (f2)	16 (f3)
Started Treatment.....	32 (g1)	0 (g2)	16 (g3)
Completed Treatment.....	8 (h1)	0 (h2)	8 (h3)
Reasons Treatment Not Completed:			
Death.....	8		
Contact Moved (follow-up unknown).....	8		
Active TB Developed.....	4		
Adverse Effect of Medicine.....	4		
Contact Close to Stop.....			
Contact's Lost to Follow-up.....			8
Provider Decision.....			
Part II. Evaluation Indices			
No-Contacts Rate.....	20 (b1a1), %	25 (b2a2), %	0 (b3a3), %
Contacts Per Case.....	4 (b1b1)	4 (b2b2)	0 (b3b3)
Evaluation Rate.....	75 (d1c1), %	75 (d2c2), %	100 (d3c3), %
Disease Rate.....	33 (e1d1), %	100 (e2d2), %	40 (e3d3), %
Latent Infection Rate.....	67 (f1e1), %	0 (f2e2), %	40 (f3e3), %
Treatment Rate.....	80 (g1f1), %	0 (g2f2), %	100 (g3f3), %
Completion Rate.....	25 (h1g1), %	0 (h2g2), %	50 (h3g3), %


Follow-up and Treatment for Contacts to Tuberculosis Cases Report Field and Formula Guide

Part I. Cases and Contacts		
Types of Case for Investigation		
A ₁	Sputum Smear + Cases for Investigation	A ₁ is the actual number of Sputum Smear Positive persons within the TIMS database for the specified cohort year. A ₁ must be less than or equal to the Total TB Cases Reported. Additionally, the sum of A ₁ and A ₂ must be less than or equal to Total TB Cases Reported.
A ₂	Sputum Smear - cult + Cases for Investigation	A ₂ is the actual number of Sputum Smear Negative and Culture Positive persons within the TIMS database for the specified cohort year. A ₂ must be less than or equal to the Total TB Cases Reported. Additionally, the sum of A ₁ and A ₂ must be less than or equal to Total TB Cases Reported.
B ₁	Sputum Smear + Cases with No Contacts	B ₁ is a subset of A ₁ , representing the number of persons from the A ₁ group who have no reported contacts. B ₁ must be less or equal to A ₁ .
B ₂	Sputum Smear - cult + Cases with No Contacts	B ₂ is a subset of A ₁ , representing the number of persons from the A ₂ group who have no reported contacts. B ₂ must be less than or equal to A ₁ .
C ₁	Sputum Smear + Number of Contacts	C ₁ is total number of contacts derived from the B ₁ group. There are no restrictions to the number of contacts in the C ₁ group.
C ₂	Sputum Smear - cult + Number of Contacts	C ₂ is total number of contacts derived from the B ₂ group. There are no restrictions to the number of contacts in the C ₂ group..
C	Others Number of Contacts	C is total number of contacts derived from any persons in the TIMS database that do not fit either of the other two categories. There are no restrictions to the number of contacts in the C group.
D ₁	Sputum Smear + Evaluated	D ₁ is a subset of C ₁ , representing the number of persons from the C ₁ group that were evaluated for TB. D ₁ must be less than or equal to C ₁ .
D ₂	Sputum Smear - cult + Evaluated	D ₂ is a subset of C ₂ , representing the number of persons from the C ₂ group that were evaluated for TB. D ₂ must be less than or equal to C ₂ .
D	Others Evaluated	D is a subset of C, representing the number of persons from the C group that were evaluated for TB. D must be less than or equal to C.
E ₁	Sputum Smear + TB Disease	E ₁ is a subset of D ₁ , representing the number of persons from the D ₁ group who tested positive to TB Disease. E ₁ must be less than or equal to D ₁ ; additionally, the sum of E ₁ and F ₁ must be less than or equal to D ₁ .
E ₂	Sputum Smear - cult + TB Disease	E ₂ is a subset of D ₂ , representing the number of persons from the D ₂ group who tested positive for TB disease. E ₂ must be less than or equal to D ₂ ; additionally, the sum of E ₂ and F ₂ must be less than or equal to D ₂ .
E	Others TB Disease	E is a subset of D, representing the number of persons from the D group who tested positive for TB disease. E must be less than or equal to D; additionally, the sum of E and F must be less than or equal to D.
F ₁	Sputum Smear + Latent TB Infection	F ₁ is a subset of D ₁ , representing the number of persons from the D ₁ group who tested positive for Latent TB Infection. F ₁ must be less than or equal to D ₁ ; additionally, the sum of E ₁ and F ₁ must be less than or equal to D ₁ .
F ₂	Sputum Smear - cult + Latent TB Infection	F ₂ is a subset of D ₂ , representing the number of persons from the D ₂ group who tested positive for Latent TB Infection. F ₂ must be less than or equal to D ₂ ; additionally, the sum of E ₂ and F ₂ must be less than or equal to D ₂ .
F	Others Latent TB Infection	F is a subset of D. The number of persons from the D group who tested positive for Latent TB Infection. E must be less than or equal to D; additionally, the sum of E and F must be less than or equal to D.
G ₁	Sputum Smear + Started Treatment	G ₁ is a subset of F ₁ , representing the number of persons from the F ₁ group who started TB treatment. G ₁ must be less than or equal to F ₁ .
G ₂	Sputum Smear - cult + Started Treatment	G ₂ is a subset of F ₂ , representing the number of persons from the F ₂ group who started TB treatment. G ₂ must be less than or equal to F ₂ .
G	Others Started Treatment	G is a subset of F, representing the number of persons from the F group who started TB treatment. E must be less than or equal to F.

H₁	Sputum Smear + Completed Treatment	H₁ is a subset of G₁ , representing the number of persons from the G₁ group who completed TB treatment. H₁ must be less than or equal to G₁ .
H₂	Sputum Smear – cult + Completed Treatment	H₂ is a subset of G₂ , representing the number of persons from the G₂ group who completed TB treatment. H₂ must be less than or equal to G₂ .
H	Others Completed Treatment	H is a subset of G , representing the number of persons from the G group who completed TB treatment. H must be less than or equal to G .
Reasons Treatment Not Completed		A collection of general reasons that treatment for latent TB infection is not being completed. The sum of all Reasons Treatment Not Completed for each Type of Case for Investigation (Sputum Smear +, Sputum Smear - cult. +, and Others) must be less than or equal to the difference between those that started treatment and those that completed treatment (G_x - H_x).
Sputum Smear + Death		Persons from the Sputum Smear +: Started Treatment category that died before treatment could be completed.
Sputum Smear - cult + Death		Persons from the Sputum Smear - cult. +: Started Treatment category that died before treatment could be completed.
Others: Death		Persons from the Others: Started Treatment category that died before treatment could be completed.
Sputum Smear + Contact Moved (Follow-up Unknown)		Persons from the Sputum Smear +: Started Treatment category that have moved away from the jurisdiction of the health department and follow-up information is not available. If follow-up information becomes available from the receiving jurisdiction (completed treatment, lost to follow-up, etc.), the outcome should be recorded accordingly.
Sputum Smear - cult + Contact Moved (Follow-up Unknown)		Persons from the Sputum Smear - cult. +: Started Treatment category that have moved away from the jurisdiction of the health department and follow-up information is not available. If follow-up information becomes available from the receiving jurisdiction (completed treatment, lost to follow-up, etc.), the outcome should be recorded accordingly.
Others: Contact Moved (Follow-up Unknown)		Persons from the Others: Started Treatment category that have moved away from the jurisdiction of the health department and follow-up information is not available. If follow-up information becomes available from the receiving jurisdiction (completed treatment, lost to follow-up, etc.), the outcome should be recorded accordingly.
Sputum Smear + Active TB Developed		Persons from the Sputum Smear +: Started Treatment category who develop active TB according to the standard surveillance definition.
Sputum Smear - cult + Active TB Developed		Persons from the Sputum Smear - cult. + Started Treatment category who develop active TB according to the standard surveillance definition.
Others: Active TB Developed		Persons from the Others Started Treatment category who develops active TB according to the standard surveillance definition.
Sputum Smear + Adverse Effect of Medicine		Persons from the Sputum Smear +: Started Treatment category who do not complete treatment due to adverse effects of the TB medication (including drug-drug and drug-food interaction) and a healthcare provider determines that treatment should be discontinued. If the patient stops taking medications but there is not recommendation from health-care provider, the person should be categorized as Contact Chose to Stop.
Sputum Smear - cult + Adverse Effect of Medicine		Persons from the Sputum Smear - cult. +: Started Treatment category who do not complete treatment due to adverse effects of the TB medication (including drug-drug and drug-food interaction) and a healthcare provider determines that treatment should be discontinued. If the patient stops taking medications but there is not recommendation from health-care provider, the person should be categorized as Contact Chose to Stop.
Others: Adverse Effect of Medicine		Persons from the Others: Started Treatment category who do not complete treatment due to adverse effects of the TB medication (including drug-drug and drug-food interaction) and a healthcare provider determines that treatment should be discontinued. If the patient stops taking medications but there is not recommendation from health-care provider, the person should be categorized as Contact Chose to Stop.
Sputum Smear + Contact Chose to Stop		Persons from the Sputum Smear +: Started Treatment category who stop taking their medications before they have completed treatment without a specific

	recommendation from a healthcare provider.
Sputum Smear - cult + Contact Chose to Stop	Persons from the Sputum Smear - cult. +: Started Treatment category who stop taking their medications before they have completed treatment without a specific recommendation from a healthcare provider.
Others: Contact Chose to Stop	Persons from the Others: Started Treatment category who stop taking their medications before they have completed treatment without a specific recommendation from a healthcare provider.
Sputum Smear + Contact is Lost to Follow-up	Persons from the Sputum Smear +: Started Treatment category whose treatment status at the end of the expected treatment regimen is incomplete or indeterminate because the health department cannot locate them to determine a more specific outcome.
Sputum Smear - cult + Contact is Lost to Follow-up	Persons from the Sputum Smear - cult. +: Started Treatment category whose treatment status at the end of the expected treatment regimen is incomplete or indeterminate because the health department cannot locate them to determine a more specific outcome.
Others: Contact is Lost to Follow-up	Persons from the Others: Started Treatment category whose treatment status at the end of the expected treatment regimen is incomplete or indeterminate because the health department cannot locate them to determine a more specific outcome.
Sputum Smear + Provider Decision	Persons from the Sputum Smear +: Started Treatment category whom a healthcare provider has determined that the treatment for latent TB infection should be stopped because of concern about the benefits, safety, or the practicality of treatment.
Sputum Smear - cult + Provider Decision	Persons from the Sputum Smear - cult. +: Started Treatment category whom a healthcare provider has determined that the treatment for latent TB infection should be stopped because of concern about the benefits, safety, or the practicality of treatment.
Others: Provider Decision	Persons from the Others: Started Treatment category whom a healthcare provider has determined that the treatment for latent TB infection should be stopped because of concern about the benefits, safety, or the practicality of treatment.
Part II. Evaluation Indices	The Evaluation Indices are summary statistics automatically calculated by TIMS from the data entered in Part I and presented as either ratios or percentages. The formulas are shown on the paper copy of the report.


Follow-up and Treatment for Contacts to Tuberculosis Cases Report TIMS Field Definitions

 <small>DEPARTMENT OF HEALTH AND HUMAN SERVICES PUBLIC HEALTH SERVICE CENTERS FOR DISEASE CONTROL AND PREVENTION NATIONAL CENTER FOR HIV, STD, AND TB PREVENTION DIVISION OF TUBERCULOSIS ELIMINATION ATLANTA, GEORGIA 30333</small>	<input type="text" value="reportname"/>	Form Approved	
		OMB No. 0920-0457	Exp. Date 11/30/2002
Reporting Area: <input type="text" value="siteid"/>	<input type="radio"/> Preliminary Report <input type="radio"/> Final Report		
Cohort Year: <input type="text" value="cohortyear"/>			
Preliminary Date for Follow-up: 08/15/ <input type="text" value="datefollowup"/> (August 15 of the first year after the cohort year)			
Total TB Cases Reported: <input type="text" value="totaltb"/>			
Part I. Cases and Contacts			
Types of Cases for Investigation:			
	Sputum smear +	Sputum smear - cult. +	Others
Cases for Investigation.....	a1	a2	
Cases with No Contacts.....	b1	b2	
Number of Contacts.....	c1	c2	c
Evaluated.....	d1	d2	d
TB Disease.....	e1	e2	e
Latent TB Infection.....	f1	f2	f
Started Treatment.....	g1	g2	g
Completed Treatment.....	h1	h2	h
Reasons Treatment Not Completed:			
Death.....	rtnc11	rtnc21	rtnc31
Contact Moved (follow-up unknown)...	rtnc12	rtnc22	rtnc32
Active TB Developed.....	rtnc13	rtnc23	rtnc33
Adverse Effect of Medicine.....	rtnc14	rtnc24	rtnc34
Contact Chose to Stop.....	rtnc15	rtnc25	rtnc35
Contact is Lost to Follow-up.....	rtnc16	rtnc26	rtnc36
Provider Decision.....	rtnc17	rtnc27	rtnc37

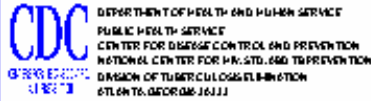
Targeted Testing Reports Instructions

The Aggregate Reports for Tuberculosis Program Evaluation: Targeted Testing and Treatment for Latent Tuberculosis Infection (Targeted Testing Report) is an annual summary of activities to find and treat latent TB infection through targeted and other testing. "Testing" means diagnostic tests done to find latent TB infection. Contact testing and follow-up, however, are not included in this report. Active case finding (searching for TB disease) should not be included in this report unless the individuals are also being tested for latent TB infection.

Targeted Testing and Treatment for Latent Tuberculosis Infection (Page 1)

	DEPARTMENT OF HEALTH AND HUMAN SERVICES PUBLIC HEALTH SERVICE CENTERS FOR DISEASE CONTROL AND PREVENTION NATIONAL CENTER FOR HLT. STD. AND TB PREVENTION DIVISION OF TUBERCULOSIS INFECTION ATLANTA, GEORGIA 30333	1998 TARGET TOTALS 1998G A0000CTFD30x	Form Approved OMB No. 0920-0457 Exp. Date 11/29/2002		
Aggregate Reports for Tuberculosis Program Evaluation: Targeted Testing and Treatment for Latent Tuberculosis Infection					
Reporting Area: G A0000	Cohort Year: 1998				
Close Date for Follow-up: 03/15/2000	(August 15 of the second year after the cohort year)				
Part I. Testing Counts					
Testing Formats:					
	Targeted Testing				Admin.
	Project	Individual			
Sought, Enlisted, or Requisitioned.....	398 (a1)	400 (a2)		400 (a)	
Enlisted.....	200 (b1)	200 (b2)		200 (b)	
TB Disease.....	100 (c1)	100 (c2)		100 (c)	
Latent TB Infection.....	100 (d1)	100 (d2)		40 (d)	
	Medical Risk	Pop. Risk	Medical Risk	Pop. Risk	
Latent TB Infection, (sort by risk).....	60 (e1m)	40 (e1p)	60 (e2m)	40 (e2p)	40 (e)
Candidates for Treatment.....	40 (f1m)	40 (f1p)	40 (f2m)	40 (f2p)	40 (f)
Started Treatment.....	40 (g1m)	40 (g1p)	40 (g2m)	40 (g2p)	40 (g)
Completed Treatment.....	20 (i1m)	20 (i1p)	20 (i2m)	8 (i2p)	8 (i)
Reasons Treatment Not Completed:					
Death.....	20	20	20	32	32
Patient Moved (follow-up unknown).....					
Active TB Developed.....					
Adverse Effect of Medicine.....					
Patient Close to Stop.....					
Patient is Lost to Follow-up.....					
Provider Decision.....					
Part II. Evaluation Indices for Testing (Automated in TIMS, and converted to percentage)					
	Project		Individual		Admin.
	(a1a1)%		(a2a2)%		(a)
	(b1b1)%		(b2b2)%		(b)
Enlistment Rate.....	50 (b1a1)%		50 (b2a2)%		50 (b)
Disease Rate.....	50 (c1b1)%		50 (c2b2)%		50 (c)
Latent Infection Rate.....	50 (d1b1)%		50 (d2b2)%		20 (d)
	Medical Risk	Pop. Risk	Medical Risk	Pop. Risk	
Candidate Rate.....	67 (f1m&1m)%	100 (f1p&1p)%	67 (f2m&2m)%	100 (f2p&2p)%	100 (f)
Treatment Rate.....	100 (g1m/f1m)%		100 (g2m/f2m)%		100 (g)
Completion Rate.....	50 (i1m/g1m)%		20 (i2m/g2m)%		20 (i)
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Targeted Testing and Treatment for Latent Tuberculosis Infection (Page 2)



1998 TARGET TOTALS
1998GA00000CTF0360x

Aggregate Reports for Tuberculosis Program Evaluation:
Targeted Testing and Treatment for Latent Tuberculosis Infection
(Continued)

Part III. Referral Counts

Referred, TB Infection:	Medical Risk	Pop. Risk	Adm In.		
Referred.....	10	10	1		
TB Disease.....	10	10	1		
Latent TB Infection.....	10	10	0		
Candidates for Treatment.....	40 (11m)	40 (11p)	40 (12m)	40 (12p)	40 (1)
Started Treatment.....	40 (11m)	40 (11p)	40 (12m)	40 (12p)	40 (1)
Completed Treatment.....	20 (11m)	20 (11p)	20 (12m)	8 (12p)	8 (1)

Reasons Treatment Not Completed:

Death.....	20	20	20	32	32
Patient Moved (follow-up unknown).....					
Active TB Developed.....					
Adverse Effect of Medicine.....					
Patient Close to Stop.....					
Patient is Lost to Follow-up.....					
Patient Close to Stop.....					
Patient is Lost to Follow-up.....					
Provider Decision.....					

Part II. Evaluation Indices for Testing (Automated in TIMS, and converted to percentage)

Evaluation Rate.....	Project		Individual		Adm In.
	50 (1a1)%		50 (2a2)%		50 (4a)%
Disease Rate.....	50 (1b1)%		50 (2b2)%		50 (4b)%
Latent Infection Rate.....	50 (1c1)%		50 (2c2)%		20 (4c)%
Candidate Rate.....	Medical Risk	Pop. Risk	Medical Risk	Pop. Risk	
	67 (11m&1m)%	100 (11p&1p)%	67 (12m&2m)%	100 (12p&2p)%	100 (1e)%
Treatment Rate.....	100 (11m/11m)%	100 (11p/11p)%	100 (12m/12m)%	100 (12p/12p)%	100 (1f)%
Completion Rate.....	50 (11m/11m)%	50 (11p/11p)%	50 (12m/12m)%	20 (12p/12p)%	20 (1g)%

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Targeted Testing and Treatment for Latent Tuberculosis Infection Field and Formula Guide

Targeted Testing: Project Formulas

A_1	Sought, Enlisted, or Registered	A_1 is the actual number of persons within the project who were sought, enlisted, or registered for testing within the project. Can be any number (no restrictions).
B_1	Evaluated	B_1 is a subset of A_1 . The number of persons from the A_1 group who were actually tested for latent TB infection. B_1 must be less than A_1 .
C_1	TB Disease	C_1 is a subset of B_1 . The number of persons from the B_1 group that tested positive for TB disease. C_1 must be less than B_1 . Additionally, the sum of $C_1 + D_1$ must be less than B_1 .
D_1	Latent TB Infection	D_1 is a subset of B_1 . The number of persons from the B_1 group that tested positive for Latent TB Infection. D_1 must be less than B_1 . Additionally, the sum of $C_1 + D_1$ must be less than or equal to B_1 .
E_{1M}	Latent TB Infection (sorted by risk) (Medical Risk)	E_{1M} is a subset of D_1 . The number of persons from the D_1 group who were evaluated because of a medical risk factor. E_{1M} must be less than or equal to D_1 . Additionally, $E_{1M} + E_{1P}$ must equal D_1 .
E_{1P}	Latent TB Infection (sorted by risk) (Pop. Risk)	E_{1P} is a subset of D_1 . The number of persons from the D_1 group who were evaluated because of a medical risk factor. E_{1P} must be less than or equal to D_1 . Additionally, $E_{1M} + E_{1P}$ must equal D_1 .
F_{1M}	Candidates for Treatment (Medical Risk)	F_{1M} is a subset of E_{1M} . The number of persons from the E_{1M} group who are identified as candidates for Latent TB Infection treatment.
F_{1P}	Candidates for Treatment (Pop. Risk)	F_{1P} is a subset of E_{1P} . The number of persons from the E_{1P} group who are identified as candidates for Latent TB Infection treatment.
G_{1M}	Started Treatment (Medical Risk)	G_{1M} is a subset of F_{1M} . The number of persons from the F_{1M} group that actually began treatment for Latent TB Infection treatment.
G_{1P}	Started Treatment (Pop. Risk)	G_{1P} is a subset of F_{1P} . The number of persons from the F_{1P} group that actually began treatment for Latent TB Infection treatment.
H_{1M}	Completed Treatment (Medical Risk)	H_{1M} is a subset of F_{1M} . The number of persons from the F_{1M} group that actually completed treatment for Latent TB Infection treatment.
H_{1P}	Completed Treatment (Pop. Risk)	H_{1P} is a subset of F_{1P} . The number of persons from the F_{1P} group that actually completed treatment for Latent TB Infection treatment.
Reasons Treatment Not Completed		A collection of general reasons that treatment for latent TB infection is not being completed. The sum of all Reasons Treatment Not Completed for each investigation target (Medical Risk and Pop. Risk) must be less than or equal to the difference between those that started treatment and those that completed treatment ($G_x - H_x$).

Medical Risk / Death	Persons from the Medical Risk: Started Treatment category that died before treatment could be completed.
Pop. Risk / Death	Persons from the Pop. Risk: Started Treatment category that died before treatment could be completed.
Medical Risk / Contact Moved (Follow-up Unknown)	Persons from the Medical Risk: Started Treatment category that have moved away from the jurisdiction of the health department and follow-up information is not available. If follow-up information becomes available from the receiving jurisdiction (completed treatment, lost to follow-up, etc.), the outcome should be recorded accordingly.
Pop. Risk / Contact Moved (Follow-up Unknown)	Persons from the Pop. Risk: Started Treatment category that have moved away from the jurisdiction of the health department and follow-up information is not available. If follow-up information becomes available from the receiving jurisdiction (completed treatment, lost to follow-up, etc.), the outcome should be recorded accordingly.
Medical Risk / Active TB Developed	Persons from the Medical Risk: Started Treatment category who develop active TB according to the standard surveillance definition.
Pop. Risk / Active TB Developed	Persons from the Pop. Risk Started Treatment category who develop active TB according to the standard surveillance definition.
Medical Risk / Adverse Effect of Medicine	Persons from the Medical Risk: Started Treatment category who do not complete treatment due to adverse effects of the TB medication (including drug-drug and drug-food interaction) and a healthcare provider determines that treatment should be discontinued. If the patient stops taking medications but there is not recommendation from health-care provider, the person should be categorized as Contact Chose to Stop.
Pop. Risk / Adverse Effect of Medicine	Persons from the Pop. Risk: Started Treatment category who do not complete treatment due to adverse effects of the TB medication (including drug-drug and drug-food interaction) and a healthcare provider determines that treatment should be discontinued. If the patient stops taking medications but there is not recommendation from health-care provider, the person should be categorized as Contact Chose to Stop.
Medical Risk / Contact Chose to Stop	Persons from the Medical Risk: Started Treatment category who stop taking their medications before they have completed treatment without a specific recommendation from a healthcare provider.
Pop. Risk / Contact Chose to Stop	Persons from the Pop. Risk: Started Treatment category who stop taking their medications before they have completed treatment without a specific recommendation from a healthcare provider.
Medical Risk / Contact is Lost to Follow-up	Persons from the Medical Risk: Started Treatment category whose treatment status at the end of the expected treatment regimen is incomplete or indeterminate because the health department cannot locate them to determine a more specific outcome.

Pop. Risk / Contact is Lost to Follow-up	Persons from the Pop. Risk: Started Treatment category whose treatment status at the end of the expected treatment regimen is incomplete or indeterminate because the health department cannot locate them to determine a more specific outcome.
Medical Risk / Provider Decision	Persons from the Medical Risk: Started Treatment category whom a healthcare provider has determined that the treatment for latent TB infection should be stopped because of concern about the benefits, safety, or the practicality of treatment.
Pop. Risk / Provider Decision	Persons from the Pop. Risk: Started Treatment category whom a healthcare provider has determined that the treatment for latent TB infection should be stopped because of concern about the benefits, safety, or the practicality of treatment.
Part II. Evaluation Indices	The Evaluation Indices are summary statistics automatically calculated by TIMS from the data entered in Part I and presented as either ratios or percentages. The formulas are shown on the paper copy of the report.

Targeted Testing: Individual Formulas

A_2	Sought, Enlisted, or Registered	A_2 is the actual number of persons within the project who were sought, enlisted, or registered for testing within the project. Can be any number (no restrictions).
B_2	Evaluated	B_2 is a subset of A_2 . The number of persons from the A_2 group who were actually tested for latent TB infection. B_2 must be less than A_2 .
C_2	TB Disease	C_2 is a subset of B_2 . The number of persons from the B_2 group that tested positive for TB disease. C_2 must be less than B_2 . Additionally, the sum of $C_2 + D_2$ must be less than B_2 .
D_2	Latent TB Infection	D_2 is a subset of B_2 . The number of persons from the B_2 group that tested positive for Latent TB Infection. D_2 must be less than B_2 . Additionally, the sum of $C_2 + D_2$ must be less than or equal to B_2 .
E_{2M}	Latent TB Infection (sorted by risk) (Medical Risk)	E_{2M} is a subset of D_2 . The number of persons from the D_2 group who were evaluated because of a medical risk factor. E_{2M} must be less than or equal to D_2 . Additionally, $E_{2M} + E_{2P}$ must equal D_2 .
E_{2P}	Latent TB Infection (sorted by risk) (Pop. Risk)	E_{2P} is a subset of D_2 . The number of persons from the D_2 group who were evaluated because of a medical risk factor. E_{2P} must be less than or equal to D_2 . Additionally, $E_{2M} + E_{2P}$ must equal D_2 .
F_{2M}	Candidates for Treatment (Medical Risk)	F_{2M} is a subset of E_{2M} . The number of persons from the E_{2M} group who are identified as candidates for Latent TB Infection treatment.
F_{2P}	Candidates for Treatment (Pop. Risk)	F_{2P} is a subset of E_{2P} . The number of persons from the E_{2P} group who are identified as candidates for Latent TB Infection treatment.
G_{2M}	Started Treatment (Medical Risk)	G_{2M} is a subset of F_{2M} . The number of persons from the F_{2M} group that actually began treatment for Latent TB Infection treatment
G_{2P}	Started Treatment (Pop. Risk)	G_{2P} is a subset of F_{2P} . The number of persons from the F_{2P} group

		that actually began treatment for Latent TB Infection treatment.
H_{2M}	Completed Treatment (Medical Risk)	H_{2M} is a subset of F_{2M} . The number of persons from the F_{2M} group that actually completed treatment for Latent TB Infection treatment.
H_{2P}	Completed Treatment (Pop. Risk)	H_{2P} is a subset of F_{2P} . The number of persons from the F_{2P} group that actually completed treatment for Latent TB Infection treatment.
Reasons Treatment Not Completed		A collection of general reasons that treatment for latent TB infection is not being completed. The sum of all Reasons Treatment Not Completed for each investigation target (Medical Risk and Pop. Risk) must be less than or equal to the difference between those that started treatment and those that completed treatment (G_x - H_x).
Medical Risk / Death		Persons from the Medical Risk: Started Treatment category that died before treatment could be completed.
Pop. Risk / Death		Persons from the Pop. Risk: Started Treatment category that died before treatment could be completed.
Medical Risk / Contact Moved (Follow-up Unknown)		Persons from the Medical Risk: Started Treatment category that have moved away from the jurisdiction of the health department and follow-up information is not available. If follow-up information becomes available from the receiving jurisdiction (completed treatment, lost to follow-up, etc.), the outcome should be recorded accordingly.
Pop. Risk / Contact Moved (Follow-up Unknown)		Persons from the Pop. Risk: Started Treatment category that have moved away from the jurisdiction of the health department and follow-up information is not available. If follow-up information becomes available from the receiving jurisdiction (completed treatment, lost to follow-up, etc.), the outcome should be recorded accordingly.
Medical Risk / Active TB Developed		Persons from the Medical Risk: Started Treatment category who develop active TB according to the standard surveillance definition.
Pop. Risk / Active TB Developed		Persons from the Pop. Risk Started Treatment category who develop active TB according to the standard surveillance definition.
Medical Risk / Adverse Effect of Medicine		Persons from the Medical Risk: Started Treatment category who do not complete treatment due to adverse effects of the TB medication (including drug-drug and drug-food interaction) and a healthcare provider determines that treatment should be discontinued. If the patient stops taking medications but there is not recommendation from health-care provider, the person should be categorized as Contact Chose to Stop.
Pop. Risk / Adverse Effect of Medicine		Persons from the Pop. Risk: Started Treatment category who do not complete treatment due to adverse effects of the TB medication (including drug-drug and drug-food interaction) and a healthcare provider determines that treatment should be discontinued. If the patient stops taking medications but there is not recommendation from health-care provider, the person should be categorized as Contact Chose to Stop.

Medical Risk / Contact Chose to Stop	Persons from the Medical Risk: Started Treatment category who stop taking their medications before they have completed treatment without a specific recommendation from a healthcare provider.
Pop. Risk / Contact Chose to Stop	Persons from the Pop. Risk: Started Treatment category who stop taking their medications before they have completed treatment without a specific recommendation from a healthcare provider.
Medical Risk / Contact is Lost to Follow-up	Persons from the Medical Risk: Started Treatment category whose treatment status at the end of the expected treatment regimen is incomplete or indeterminate because the health department cannot locate them to determine a more specific outcome.
Pop. Risk / Contact is Lost to Follow-up	Persons from the Pop. Risk: Started Treatment category whose treatment status at the end of the expected treatment regimen is incomplete or indeterminate because the health department cannot locate them to determine a more specific outcome.
Medical Risk / Provider Decision	Persons from the Medical Risk: Started Treatment category whom a healthcare provider has determined that the treatment for latent TB infection should be stopped because of concern about the benefits, safety, or the practicality of treatment.
Pop. Risk / Provider Decision	Persons from the Pop. Risk: Started Treatment category whom a healthcare provider has determined that the treatment for latent TB infection should be stopped because of concern about the benefits, safety, or the practicality of treatment.

Admin. Formulas

A	Sought, Enlisted, or Registered	A is the actual number of persons within the project who were sought, enlisted, or registered for testing within the project. Can be any number (no restrictions).
B	Evaluated	B is a subset of A. The number of persons from the A group who were actually tested for latent TB infection. B must be less than A.
C	TB Disease	C is a subset of B. The number of persons from the B group that tested positive for TB disease. C must be less than B. Additionally, the sum of C + D must be less than B.
D	Latent TB Infection	D is a subset of B. The number of persons from the B group that tested positive for Latent TB Infection. D must be less than B. Additionally, the sum of C + D must be less than or equal to B.
E	Latent TB Infection (sorted by risk) (Medical Risk)	E is a subset of D. The number of persons from the D group who were evaluated because of a medical risk factor. E must be less than or equal to D. Additionally, E + E must equal D.
E	Latent TB Infection (sorted by risk) (Pop. Risk)	E is a subset of D. The number of persons from the D group who were evaluated because of a medical risk factor. E must be less than or equal to D. Additionally, E + E must equal D.
F	Candidates for Treatment (Medical Risk)	F is a subset of E. The number of persons from the E group who are identified as candidates for Latent TB Infection treatment.
F	Candidates for Treatment (Pop. Risk)	F is a subset of E. The number of persons from the E group who are identified as candidates for Latent TB Infection treatment.
G	Started Treatment	G is a subset of F. The number of persons from the F group that

	(Medical Risk)	actually began treatment for Latent TB Infection treatment
G	Started Treatment (Pop. Risk)	G is a subset of F. The number of persons from the F group that actually began treatment for Latent TB Infection treatment.
H	Completed Treatment (Medical Risk)	H is a subset of F. The number of persons from the F group that actually completed treatment for Latent TB Infection treatment.
H	Completed Treatment (Pop. Risk)	H is a subset of F. The number of persons from the F group that actually completed treatment for Latent TB Infection treatment.
Reasons Treatment Not Completed		A collection of general reasons that treatment for latent TB infection is not being completed. The sum of all Reasons Treatment Not Completed for the Admin. investigation target must be less than or equal to the difference between those that started treatment and those that completed treatment (GH).
Death		Persons from the Admin.: Started Treatment category that died before treatment could be completed.
Contact Moved / (Follow-up Unknown)		Persons from the Admin.: Started Treatment category that have moved away from the jurisdiction of the health department and follow-up information is not available. If follow-up information becomes available from the receiving jurisdiction (completed treatment, lost to follow-up, etc.), the outcome should be recorded accordingly.
Active TB Developed		Persons from the Admin.: Started Treatment category who develop active TB according to the standard surveillance definition.
Adverse Effect of Medicine		Persons from the Admin.: Started Treatment category who do not complete treatment due to adverse effects of the TB medication (including drug-drug and drug-food interaction) and a healthcare provider determines that treatment should be discontinued. If the patient stops taking medications but there is not recommendation from health-care provider, the person should be categorized as Contact Chose to Stop.
Contact Chose to Stop		Persons from the Admin.: Started Treatment category who stop taking their medications before they have completed treatment without a specific recommendation from a healthcare provider.
Contact is Lost to Follow-up		Persons from the Admin.: Started Treatment category whose treatment status at the end of the expected treatment regimen is incomplete or indeterminate because the health department cannot locate them to determine a more specific outcome.
Provider Decision		Persons from the Admin.: Started Treatment category whom a healthcare provider has determined that the treatment for latent TB infection should be stopped because of concern about the benefits, safety, or the practicality of treatment.

Referral Counts: Medical Risk Formulas

I_M	Referred	I_M is the actual number of persons within the project who were referred for testing within the project. Can be any number (no restrictions).
J_M	TB Disease	J_M is a subset of I_M . The number of persons from the I_M group that tested positive for TB disease. J_M must be less than B.

		Additionally, the sum of $J_M + K_M$ must be less than I_M .
K_M	Latent TB Infection	K_M is a subset of I_M . The number of persons from the I_M group that tested positive for Latent TB Infection. K_M must be less than I_M . Additionally, the sum of $J_M + K_M$ must be less than or equal to I_M .
L_M	Candidates for Treatment	L_M is a subset of K_M . The number of persons from the K_M group who are identified as candidates for Latent TB Infection treatment.
M_M	Started Treatment	M_M is a subset of L_M . The number of persons from the L_M group that actually began treatment for Latent TB Infection treatment.
N_M	Completed Treatment	N_M is a subset of L_M . The number of persons from the L_M group that actually completed treatment for Latent TB Infection treatment.
Reasons Treatment Not Completed		A collection of general reasons that treatment for latent TB infection is not being completed. The sum of all Reasons Treatment Not Completed for the Referral: Medical Risk investigation must be less than or equal to the difference between those that started treatment and those that completed treatment (GH).
Death		Persons from the Referral: Medical Risk, Started Treatment category that died before treatment could be completed.
Contact Moved (Follow-up Unknown)		Persons from the Referral: Medical Risk, Started Treatment category that have moved away from the jurisdiction of the health department and follow-up information is not available. If follow-up information becomes available from the receiving jurisdiction (completed treatment, lost to follow-up, etc.), the outcome should be recorded accordingly.
Active TB Developed		Persons from the Referral: Medical Risk, Started Treatment category who develop active TB according to the standard surveillance definition.
Adverse Effect of Medicine		Persons from the Referral: Medical Risk, Started Treatment category who do not complete treatment due to adverse effects of the TB medication (including drug-drug and drug-food interaction) and a healthcare provider determines that treatment should be discontinued. If the patient stops taking medications but there is not recommendation from health-care provider, the person should be categorized as Contact Chose to Stop.
Contact Chose to Stop		Persons from the Referral: Medical Risk, Started Treatment category who stop taking their medications before they have completed treatment without a specific recommendation from a healthcare provider.
Contact is Lost to Follow-up		Persons from the Referral: Medical Risk, Started Treatment, category whose treatment status at the end of the expected treatment regimen is incomplete or indeterminate because the health department cannot locate them to determine a more specific outcome.
Provider Decision		Persons from the Referral: Medical Risk, Started Treatment category whom a healthcare provider has determined that the treatment for latent TB infection should be stopped because of concern about the benefits, safety, or the practicality of treatment.

Referral Counts: Pop. Risk Formulas

I_p	Referred	I_p is the actual number of persons within the project who were referred for testing within the project. Can be any number (no restrictions).
J_p	TB Disease	J_p is a subset of I_p . The number of persons from the I_p group that tested positive for TB disease. J_p must be less than I_p . Additionally, the sum of $J_p + K_p$ must be less than I_p .
K_p	Latent TB Infection	K_p is a subset of I_p . The number of persons from the I_p group that tested positive for Latent TB Infection. K_p must be less than I_p . Additionally, the sum of $J_p + K_p$ must be less than or equal to I_p .
L_p	Candidates for Treatment	L_p is a subset of K_p . The number of persons from the K_p group who are identified as candidates for Latent TB Infection treatment.
M_p	Started Treatment	M_p is a subset of L_p . The number of persons from the L_p group that actually began treatment for Latent TB Infection treatment.
N_p	Completed Treatment	N_p is a subset of L_p . The number of persons from the L_p group that actually completed treatment for Latent TB Infection treatment.
Reasons Treatment Not Completed		A collection of general reasons that treatment for latent TB infection is not being completed. The sum of all Reasons Treatment Not Completed for the Referral: Pop. Risk investigation must be less than or equal to the difference between those that started treatment and those that completed treatment (GH).
Death		Persons from the Referral: Pop. Risk, Started Treatment category that died before treatment could be completed.
Contact Moved (Follow-up Unknown)		Persons from the Referral: Pop. Risk, Started Treatment category that have moved away from the jurisdiction of the health department and follow-up information is not available. If follow-up information becomes available from the receiving jurisdiction (completed treatment, lost to follow-up, etc.), the outcome should be recorded accordingly.
Active TB Developed		Persons from the Referral: Pop. Risk, Started Treatment category who develop active TB according to the standard surveillance definition.
Adverse Effect of Medicine		Persons from the Referral: Pop. Risk, Started Treatment category who do not complete treatment due to adverse effects of the TB medication (including drug-drug and drug-food interaction) and a healthcare provider determines that treatment should be discontinued. If the patient stops taking medications but there is not recommendation from health-care provider, the person should be categorized as Contact Chose to Stop.
Contact Chose to Stop		Persons from the Referral: Pop. Risk, Started Treatment category who stop taking their medications before they have completed treatment without a specific recommendation from a healthcare provider.


Contact is Lost to Follow-up	Persons from the Referral: Pop. Risk, Started Treatment, category whose treatment status at the end of the expected treatment regimen is incomplete or indeterminate because the health department cannot locate them to determine a more specific outcome.
Provider Decision	Persons from the Referral: Pop. Risk, Started Treatment category whom a healthcare provider has determined that the treatment for latent TB infection should be stopped because of concern about the benefits, safety, or the practicality of treatment.

Referral Counts: Admin. Formulas

I	Referred	I is the actual number of persons within the project who were referred for testing within the project. Can be any number (no restrictions).
J	TB Disease	J is a subset of I. The number of persons from the I group that tested positive for TB disease. J must be less than B. Additionally, the sum of J + K must be less than I.
K	Latent TB Infection	K is a subset of I. The number of persons from the I group that tested positive for Latent TB Infection. K must be less than I. Additionally, the sum of J + K must be less than or equal to I.
L	Candidates for Treatment	L is a subset of K. The number of persons from the K group who are identified as candidates for Latent TB Infection treatment.
M	Started Treatment	M is a subset of L. The number of persons from the L group that actually began treatment for Latent TB Infection treatment.
N	Completed Treatment	N is a subset of L. The number of persons from the L group that actually completed treatment for Latent TB Infection treatment.
Reasons Treatment Not Completed		A collection of general reasons that treatment for latent TB infection is not being completed. The sum of all Reasons Treatment Not Completed for the Referral: Admin. investigation must be less than or equal to the difference between those that started treatment and those that completed treatment (GH).
Death		Persons from the Referral: Admin. Started Treatment category that died before treatment could be completed.
Contact Moved (Follow-up Unknown)		Persons from the Referral: Admin. Started Treatment category that have moved away from the jurisdiction of the health department and follow-up information is not available. If follow-up information becomes available from the receiving jurisdiction (completed treatment, lost to follow-up, etc.), the outcome should be recorded accordingly.
Active TB Developed		Persons from the Referral: Admin. Started Treatment category who develop active TB according to the standard surveillance definition.

Adverse Effect of Medicine	Persons from the Referral: Admin. Started Treatment category who do not complete treatment due to adverse effects of the TB medication (including drug-drug and drug-food interaction) and a healthcare provider determines that treatment should be discontinued. If the patient stops taking medications but there is not recommendation from health-care provider, the person should be categorized as Contact Chose to Stop.
Contact Chose to Stop	Persons from the Referral: Admin, Started Treatment category who stop taking their medications before they have completed treatment without a specific recommendation from a healthcare provider.
Contact is Lost to Follow-up	Persons from the Referral: Admin., Started Treatment, category whose treatment status at the end of the expected treatment regimen is incomplete or indeterminate because the health department cannot locate them to determine a more specific outcome.
Provider Decision	Persons from the Referral: Admin, Started Treatment category whom a healthcare provider has determined that the treatment for latent TB infection should be stopped because of concern about the benefits, safety, or the practicality of treatment.

Targeted Testing and Treatment for Latent Tuberculosis Infection TIMS Field Definitions

 DEPARTMENT OF HEALTH AND HUMAN SERVICES PUBLIC HEALTH SERVICE CENTERS FOR DISEASE CONTROL AND PREVENTION NATIONAL CENTER FOR HIV, STD, AND TB PREVENTION DIVISION OF TUBERCULOSIS ELIMINATION ATLANTA, GEORGIA 30333	reportname	Form Approved	
		OMB No. 0920-0457	Exp. Date 11/30/2002
Reporting Area: siteid		<input type="radio"/> Preliminary Report <input type="radio"/> Final Report	
Cohort Year: cohorty			
Preliminary Date for Follow-up: 08/15/datefollowup	(August 15 of the first year after the cohort year)		

Part I. Testing Counts

	Testing Formats:				Admin.
	Targeted Testing				
	Project		Individual		
Sought, Enlisted, or Registered.....	a1		a2		a
Evaluated.....	b1		b2		b
TB Disease.....	c1		c2		c
Latent TB Infection.....	d1		d2		d
	Medical Risk	Pop. Risk	Medical Risk	Pop. Risk	
Latent TB Infection, (sort by risk).....	e1m	e1p	e2m	e2p	e
Candidates for Treatment.....	f1m	f1p	f2m	f2p	f
Started Treatment.....	g1m	g1p	g2m	g2p	g
Completed Treatment.....	h1m	h1p	h2m	h2p	h

Reasons Treatment Not Completed:

Death.....	rtnc11	rtnc21	rtnc31	rtnc41	rtnc51
Patient Moved (follow-up unknown)....	rtnc12	rtnc22	rtnc32	rtnc42	rtnc52
Active TB Developed.....	rtnc13	rtnc23	rtnc33	rtnc43	rtnc53
Adverse Effect of Medicine.....	rtnc14	rtnc24	rtnc34	rtnc44	rtnc54
Patient Chose to Stop.....	rtnc15	rtnc25	rtnc35	rtnc45	rtnc55
Patient is Lost to Follow-up.....	rtnc16	rtnc26	rtnc36	rtnc46	rtnc56
Provider Decision.....	rtnc17	rtnc27	rtnc37	rtnc47	rtnc57

Part III. Referral Counts

Referred, TB Infection:	Medical Risk	Pop. Risk	Admin.
Referred.....	im	ip	i
TB Disease.....	jm	jp	j
Latent TB Infection.....	km	kp	k
Candidates for Treatment.....	lm	lp	l
Started Treatment.....	mm	mp	m
Completed Treatment.....	nm	np	n

Reasons Treatment Not Completed:

Death.....	rtncr11	rtncr21	rtncr31
Patient Moved (follow-up unknown)....	rtncr12	rtncr22	rtncr32
Active TB Developed.....	rtncr13	rtncr23	rtncr33
Adverse Effect of Medicine.....	rtncr14	rtncr24	rtncr34
Patient Chose to Stop.....	rtncr15	rtncr25	rtncr35
Patient is Lost to Follow-up.....	rtncr16	rtncr26	rtncr36
Provider Decision.....	rtncr17	rtncr27	rtncr37

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