Improving Quality of Patient Data for Treatment of Multidrug- or Rifampin-Resistant Tuberculosis

Appendix

Data Dictionary for MDR/RR TB IPD

The tables within this section pertain to the data elements optimally preferred for collection during the conduct of observational studies or in routinely collected programmatic data, along with their requested coding to ensure uniformity across studies. Caveats and additional information on specific elements are contained within the main text of the online report.

Facility Information									
Field	Variable	Additional Information	Format	Category Coding	Category Labeling				
COUNTRY	Country	Country of the primary source	Char						
TREATING_SITE	Treating Site Name	Name of the primary source	Char						
SITE_ID	Treating Site Identifier	Site ID number	Char						

Patient Identifier and Demographics									
Field	Variable	Additional Information	Format	Category Coding	Category Labeling				
PATIENT_ID	Patient Identifier	Patient ID number in country database	Char						
YEAR	Year	Year of treatment start for this episode	Num ###						
AGE	Age	Age of the patient in years	Num ###						
		Patient's biologic sex at birth	Category	F	Female				
SEX	Sex			М	Male				
				U	Unknown				
WEIGHT	Weight	Patient's weight in kilograms	Num ###						
HEIGHT	Height	Patient's height in centimeters	Num ###						
ВМІ	Body Mass Index	Patient's body mass index in kilograms per meters-squared	Num ###						

Patient Baseline Characteristics							
Field	Variable	Additional Information	Format	Category Coding	Category Labeling		
				Current	Current Smoker		
CMOKINGGTATUG	Canadalar Chatas	The patient's smoking status at	Catanami	Ex	Ex-Smoker		
SMOKINGSTATUS	Smoking Status	start of treatment	Category	Never	Never Smoker		
				U	Unknown		
SMOKINGPACKPERDAY	Packs Smoked Per Day	Total number of packs per day smoked at start of treatment (if	Num ###				
SMOKINGTOTALPACKYEAR	Total Pack Years	Total number of pack years smoked (if current- or ex-smoker)	Num ###				
		Does the patient drink (defined as		Y	Yes		
ALCOHOL	Alcohol Use	≥1 drink per week in men or	Category	Ν	No		
		women)		U	Unknown		
		If the patient drinks, do they meet		Y	Yes		
	Alcohol Abuse	the definition of alcohol abuse (≥ 14	-	N	No		
ALCOHOLABUSE	Disorder	drinks per week in men or >7 drinks	Category				
	Diodiadi	per week in women)		U	Unknown		
				Y	Yes		
DM	Diabetes Mellitus	Is the patient diagnosed with	Category	N	No		
Bivi	Diabetes Mellitus	diabetes?	Category	11	Linknown		
				V	Voc		
	Type 1 Diabetes	Is the patient insulin dependent (if	Cotogony	T N	No		
INSULINDEPENDENT	Mellitus	having diabetes)?	Calegory		INO		
	Lisses entries A.4.			U	Unknown		
HBA1C	Hemoglobin A1c	Patients HbA1c measure defined in percent (%)	Num ###				
	Presence of Renal Failure	Does the patient have renal failure?		Y	Yes		
RENALFAILURE			Category	N	No		
				U	Unknown		
	Hepatitis B	Does the patient have hepatitis B?	Category	Y	Yes		
HEPB				Ν	No		
				U	Unknown		
	Hepatitis C	Does the patient have hepatitis C?		Y	Yes		
HEPC			Category	Ν	No		
				U	Unknown		
	0.1	Does the patient have liver conditions other than hepatitis B or hepatitis C?	Category	Y	Yes		
OTHERLIVER	Other Liver			Ν	No		
	Condition			U	Unknown		
		•		Pos	Positive		
HIV	HIV	What is the patient's HIV status?	Category	Neg	Negative		
			category	11	Unknown		
HIV_DIAGNOSISYEAR	Year HIV	If the patient is HIV-positive, the	Num ###	0			
CD4	CD4 Count	If the patient is HIV-positive, what is their CD4 count at treatment start (cells/µL)?	Num ###				
VIRALLOAD	Viral Load	If the patient is HIV-positive, what is their viral load at treatment start (copies/ml)	Num ###				
	Use of	If the potient in HIV positive are		Y	Yes		
ART	Antiretroviral	they an antiratroviral treatment?	Category	Ν	No		
	Treatment	they on antiretroviral treatment?	category	U	Unknown		
ART_STARTYEAR	Year Antiretroviral Treatment Started	If the patient is on antiretroviral treatment, what year did they start?	Num ###				
ART_REGIMEN	Antiretroviral Treatment Regimen	What is the antiretroviral treatment regimen? List each drug, separated by a comma, using the provided abbreviations with this dictionary.	Char				

Previous Treatment Information							
Field	Variable	Additional Information	Format	Category Coding	Category Labeling		
PASTTX	Previous	Has the patient ever received	Category	Y	Yes		
	Treatment	tuberculosis treatment for >30 d?	outogoly	N	No		
	Previous Treatment with	If the patient has received previous tuberculosis treatment, was	Category	Y	Yes		
	First-Line Drugs	treatment with first-line drugs given for >30 d?	Calegory	Ν	No		
	Previous Treatment with	If the patient has received previous tuberculosis treatment, was	Catagory	Y	Yes		
	Second-Line Drugs	treatment with second-line drugs given for >30 d?	Calegory	Ν	No		
YEARPASTTX1*	Year of Most Recent Previous Treatment	The year the patient most recently received previous tuberculosis treatment	Num ###				
REGIMENPASTTX1*	Regimen Used for Most Recent Previous Treatment	The drug-regimen given to the patient during the most recent previous tuberculosis treatment. List each drug, separated by a comma, using the provided abbreviations with this dictionary.	Char				
			Category	Cure	Cure		
	End-of-Treatment Outcome for Most Recent Previous	The end-of-treatment outcome recorded for the patient at the end of		Complete	Completed Treatment		
OUTPASTIAT		their most recent previous		Fail	Treatment Failure		
	Treatment	tuberculosis treatment.		Lost	Lost to Follow-up		
				U	Unknown		
YEARPASTTX2*	Year of Second- Most Recent Previous Treatment	The year the patient received previous tuberculosis treatment for their second-most recent treatment episode.	Num ###				
REGIMENPASTTX2*	Regimen Used for Second-Most Recent Previous Treatment	The drug-regimen given to the patient during the second-most recent previous tuberculosis treatment. List each drug, separated by a comma, using the provided abbreviations with this dictionary.	Char	-			
	End-of-Treatment			Cure	Cure		
	Outcome for	The end-of-treatment outcome recorded for the patient at the end of	Category	Complete	Completed Treatment		
COTT AST TAZ	Recent Previous	their second-most recent previous		Fail	Treatment Failure		
	Treatment	tuberculosis treatment.		Lost	Lost to Follow-up		
				U	Unknown		
*Fields need to be completed only	y if previous treatment	has been administered.					

Disease Characteristics						
Field	Variable	Additional Information	Format	Category Coding	Category Labeling	
	Site of Tuberculosis	The site of tuberculosis disease	Category	PTB	Pulmonary TB	
DISEASE_SITE				EPTB	Extrapulmonary TB	
	Disease	diagnosed in the patient		Both	Both	
				Miliary	Miliary TB	
				Genital	Genitourinary TB	
				CNS	Central Nervous System TB	
	Deine and Cite of			Periton	TB Peritonitis	
	Primary Site of	If extrapulmonary tuberculosis is	Catagony	Pericar	TB Pericarditis	
EXTRAPOLM_SITE	Tuberculosis	diagnosed, the primary site affected	Calegory	Lymph	TB Lymphadenitis	
	TUDETCUIUSIS			Pleural	Pleural TB	
				GI	Gastrointestinal TB	
				Bone	Bone TB	
				Joint	Joint TB	
				Other	Other	
	Lung Cavitation	Was there presence of lung		Y	Yes	
CAVITATION_BASE*		cavitation on chest x-ray at treatment start?	Category	N	No	
				U	Unknown	
		Was there presence of bilateral disease on chest X-ray at treatment start?	Category	Y	Yes	
BILATERAL_BASE*	Bilateral Disease			N	No	
				U	Unknown	
		What was the patient's acid-fast		Pos	Positive	
		bacilli smear result (taken <u><</u> 1 mo		Neg	Negative	
	Acid-Fast Bacilli	after treatment start)?	0.1	Contam	Contaminated	
AFB_BASE	Smear Result	Consider all samples taken over this time frame and consider positive if any were positive (i.e., scanty or greater)	Category	ND	Not Done	
		What was the patient's sputum		Pos	Positive	
		culture result (taken <1 mo after		Neg	Negative	
CULTURE BASE	Sputum Culture	treatment start)?	Category	Contam	Contaminated	
OULIONE_DAGE	Result	Consider all samples taken over this frame and consider positive if any were positive.	Calegory	ND	Not Done	
	Culture Media	If culture was done, what media was	Category	Solid	Solid Media	
	Used	used for the result reported?	Calegoly	Liquid	Liquid Media	
*Baseline refers to any evidence	of cavitation or bilatera	I disease within 30 d of treatment start				

Genotypic DST								
Field*	Variable	Additional Information	Format	Category Coding	Category Labeling			
GENOTYPIC_USED	Genotypic DST	Were genotypic DST	Category	Y	Yes			
VEEDT DAGE		Was Gene Xpert used	0	Y	Yes			
XPERI_BASE	Gene Xpert Used	for diagnosis?	Category	Ν	No			
DATE_XPERT	Date of Gene Xpert	Date of Gene Xpert used for diagnosis <mm dd="" yy=""></mm>	Date					
	Gene Xpert MTB	What was the result	.	Pos	Positive			
XPERI_MIBRESULI_BASE	Result	for MTB on Gene	Category	Neg	Negative Contaminated			
	Gene Xpert			R	Resistant			
VDEDT DIEDESLILT DASE	Rifampin	What was the result	Cotogony	S	Susceptible			
APERI_RIFRESULI_DASE	Resistance Result	on Gene Xpert?	Category	Contam	Contaminated			
	First-Line LPA	Was first-line LPA	0	Y	Yes			
FIRSTLINE_LPA_BASE	Used	diagnosis?	Category	Ν	No			
DATE_FIRSTLINE_LPA	Date of First-Line LPA	Date of first-line LPA used after TB diagnosis <mm dd="" yy=""></mm>	Date					
	First-Line LPA MTB Result	What was the result	Category	Pos	Positive			
FIRSTLINE_LPA_MTB_BASE		for MTB on first-line		Neg	Negative			
	First Line LDA	LPA?		Contam	Contaminated			
	Isoniazid Resistance Result	for isoniazid resistance on first-line LPA?	Category	R Q	Resistant			
FIRSTLINE_LPA_H_BASE				Contam	Contaminated			
	First-Line LPA	What was the result		R	Resistant			
FIRSTLINE LPA R BASE	Rifampin	for rifampin resistance on first-line LPA?	Category	S	Susceptible			
	Resistance Result			Contam	Contaminated			
	Second-Line LPA	Was second-line LPA		Y	Yes			
SECONDLINE_LPA_BASE	Used	performed after TB diagnosis?	Category	N	No			
DATE_SECONDLINE_LPA	Date of Second- Line LPA	Date of second-line LPA used after TB diagnosis <mm dd="" yy=""></mm>	Date					
	Second-Line LPA	What was the result		Pos	Positive			
SECONDLINE_LPA_MTB_BASE	MTB Result	for MTB on second-	Category	Neg	Negative			
	Cocond Line LDA	line LPA?		Contam	Contaminated			
	Second-Line LFA	What was the result		S	Suscentible			
SECONDLINE LPA SLI BASE	Iniectable	for second-line	Category	5	Susceptible			
	Result	injectable resistance on second-line LPA?	ealogely	Contam	Contaminated			
	Second-Line LPA	What was the result		R	Resistant			
SECONDLINE_LPA FQ BASE	Fluoroquinolone	for fluoroquinolone	Category	S	Susceptible			
	Resistance Result	resistance on second- line LPA?		Contam	Contaminated			
*Baseline DST refers to any sample taken of reliable DST results; if genotypic tests are r listed in this table are in use (e.g., <i>pncA</i> for Results of Test).	within 90 d of treatment s not used, phenotypic test pyrazinamide), they may	start, up to 30 d after treatmer s should be performed. If gen be appended to this section	nt start. Every e otypic techniqu in a similar for	effort should be ues for detectior mat (e.g., Test I	made to have n other than those Done, Date of Test,			

Phenotypic DST							
Field*	Variable	Additional Information	Format	Category Coding	Category Labeling		
PHENODST	Phenotypic DST Done	Was phenotypic DST performed?	Category	Y N	Yes		
DATE_PHENODST	Date of Phenotypic DST	Date of phenotypic DST done after TB diagnosis <mm dd="" yy=""></mm>	Date				
	la a si a -i d			R	Resistant		
	Isoniazid	What was the result for isoniazid	Cotogony	S	Susceptible		
DST_H_BASE	Resistance	MGIT) on phenotypic DST2	Category	Contam	Contaminated		
	Result	Morry on phenotypic Dor :		ND	Not Done		
	High-Level	What was the result for high-level		R	Resistant		
DST HIGHH BASE	Isoniazid	isoniazid resistance (MIC >1-2 μ g/ml	Category	S	Susceptible		
	Resistance	on MGIT) on phenotypic DST?	outogoly	Contam	Contaminated		
	Result) -)		ND	Not Done		
	Rifampin			R	Resistant		
DST_R_BASE	Resistance	What was the result for ritampin	Category	S	Susceptible		
	Result	resistance on phenotypic DST?	• •	Contam	Contaminated		
					Not Done Registent		
	Ethambutol	What was the result for athemputed		R C	Succontible		
DST_E_BASE	Resistance	resistance on phenotypic DST?	Category	Contam	Contaminated		
	Result			ND	Not Done		
				R	Resistant		
	Pyrazinamide	What was the result for pyrazinamide	-	S	Susceptible		
DST_Z_BASE	Resistance	resistance on phenotypic DST?	Category	Contam	Contaminated		
	Result	· · · · · · · · · · · · · · · · · · ·		ND	Not Done		
				R	Resistant		
	Amikacin Resistance Result	What was the result for amikacin resistance on phenotypic DST?	0	S	Susceptible		
DST_AM_BASE			Category	Contam	Contaminated		
				ND	Not Done		
	Kanamycin Resistance Result	What was the result for kanamycin resistance on phenotypic DST?		R	Resistant		
DST_KM_BASE			Catagony	S	Susceptible		
			Calegory	Contam	Contaminated		
	Result			ND	Not Done		
	Capreomycin Resistance	What was the result for capreomycin resistance on phenotypic DST?		R	Resistant		
DST_CM_BASE			Category	S	Susceptible		
	Result			Contam	Contaminated		
				ND	Not Done		
	Ofloxacin		Category	R	Resistant		
DST_OFX_BASE	Resistance	What was the result for ofloxacin resistance on phenotypic DST?		S	Susceptible		
	Result			Contam	Not Dono		
				R	Resistant		
	Ciprofloxacin	What was the result for ciprofloxacin		S	Susceptible		
DST_CFX_BASE	Resistance	resistance on phenotypic DST?	Category	Contam	Contaminated		
	Result			ND	Not Done		
				R	Resistant		
DOT MEY DAGE	Moxifloxacin	What was the result for moxifloxacin	0	S	Susceptible		
DST_MFX_BASE	Resistance	resistance on phenotypic DST?	Category	Contam	Contaminated		
	Result			ND	Not Done		
				R	Resistant		
DST LEY BASE	Resistance	What was the result for levofloxacin	Catagony	S	Susceptible		
DST_EFX_BASE	Result	resistance on phenotypic DST?	Calegory	Contam	Contaminated		
	Result			ND	Not Done		
	Streptomycin			R	Resistant		
DST S BASE	Resistance	What was the result for streptomycin	Category	S	Susceptible		
	Result	resistance on phenotypic DST?	category	Contam	Contaminated		
				ND	Not Done		
	Ethionamide			R	Resistant		
DST_ETO_BASE	Resistance	vynat was the result for ethionamide	Categorv	S	Susceptible		
	Result	resistance on pnenotypic DST?	Catogory		Contaminated		
	Deathlean						
DET DTO BASE	Protnionamide	vvnat was the result for	0-1	r.	Resistant		
DSI_FIU_DASE	Result	promonamice resistance on phenotypic DST2	Calegory	Contorn	Contominated		
L	INCOUL			Contam	Contaminated		

Phenotypic DST						
Field*	Variable	Additional Information	Format	Category Coding	Category Labeling	
				ND	Not Done	
				R	Resistant	
DOT OD DAGE	Cycloserine	What was the result for cycloserine	Catanami	S	Susceptible	
DST_CS_BASE	Resistance	resistance on phenotypic DST?	Category	Contam	Contaminated	
	Result			ND	Not Done	
	Terislar			R	Resistant	
DOT TOD DAGE	Terizidone	What was the result for terizidone	Catanami	S	Susceptible	
DSI_IRD_BASE	Resistance	resistance on phenotypic DST?	Category	Contam	Contaminated	
	Result			ND	Not Done	
	Para-Amino-			R	Resistant	
DOT DAG DAGE	Salicylic Acid	What was the result for para-amino- salicylic acid resistance on	Category	S	Susceptible	
DST_PAS_BASE	Resistance			Contam	Contaminated	
	Result			ND	Not Done	
	Linezolid Resistance Result	What was the result for linezolid resistance on phenotypic DST?	Category	R	Resistant	
				S	Susceptible	
DST_LZD_BASE				Contam	Contaminated	
				ND	Not Done	
			Category	R	Resistant	
DET OFT BASE	Clofazimine	What was the result for clofazimine		S	Susceptible	
DST_CFZ_DASE	Resistance	resistance on phenotypic DST?		Contam	Contaminated	
	Result			ND	Not Done	
	De de suilis e			R	Resistant	
DET BDO BASE	Bedaquiline	What was the result for bedaquiline	Cotogony	S	Susceptible	
DST_BDQ_BASE	Resistance	resistance on phenotypic DST?	Category	Contam	Contaminated	
	Result			ND	Not Done	
	Delemenid			R	Resistant	
DOT DIM BASE	Delamanid	What was the result for delamanid	Cotogony	S	Susceptible	
DST_DLIM_BASE	Resistance	resistance on phenotypic DST?	Category	Contam	Contaminated	
	Result			ND	Not Done	
*Baseline DST refers to any sam	ple taken within 90 d o	f treatment start, up to 30 d after treatment st	art. Additiona	al drugs for wi	hich phenotypic DST is	

	Follow-U	Follow-Up DST and Acquired Drug Resistance							
Field	Variable	Additional Information	Format	Category Coding	Category Labeling				
FOLLOWUP_DST	Follow-up DST	Was there follow-up DST	Category	Y	Yes				
FOLLOWUPDST1_DATE*	Date of First Follow-up DST	Date of first follow-up DST <mm dd="" yy=""></mm>	Date	IN					
FOLLOWUPDST_RES1	Resistant Isolates on First Follow-up DST	List newly discovered resistances not found on baseline DST, due to missingness or baseline susceptibility. If none discovered, list "no change in DST." List each drug, separated by a comma, using the provided abbreviations with this dictionary.	Char						
FOLLOWUPDST_SUS1	Susceptible Isolates on First Follow-up DST	List newly discovered susceptible drugs not found on baseline DST, due to missingness or baseline resistance. If none discovered, list "no change in DST." List each drug, separated by a comma, using the provided abbreviations with this dictionary.	Char						
ACQUIRED_RESISTANCE†	Acquired Drug Resistance	List the drugs that the strain was shown to acquire resistance to during any follow-up DST (defined as previously identified susceptibility and subsequent resistance on follow-up DST). List each drug, separated by a comma, using the provided abbreviations with this dictionary.	Char						
*Additional follow-up DST results c †Acquired resistance can be report data.	an be entered following ed in a separate row b	g a similar format. but is not necessary as it can be calculated b	by the data a	nalyst with the	e above collected				

Regimen Information*						
Field	Variable	Additional Information	Format	Category Coding	Category Labeling	
	Regimen Type at	List the starting regimen type: short		Short	Short Regimen	
STARTINGREGIMENTYPE	Start of Treatment	(intended duration ≤12 mo) or long (intended duration ≥18 mo)	Category	Long	Long Regimen	
TXSTART_DATE	Treatment Start Date	Date of second-line drug initiation in this treatment episode <mm dd="" yy=""></mm>	Date			
INITIAL_REGIMEN	Starting Treatment Regimen	List the drugs the patient is on at the start of treatment. List each drug, separated by a comma, using the provided abbreviations with this dictionary.	Char			
H_START	Isoniazid Start Date	Date standard-dose isoniazid was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date			
H_STOP	Isoniazid End Date	Date standard-dose isoniazid was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date			
HIGHH_START	High-Dose Isoniazid Start Date	Date high-dose isoniazid was introduced into the patient's regimen. <mm dd="" vv=""></mm>	Date			
HIGHH_STOP	High-Dose Isoniazid End Date	Date high-dose isoniazid was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date			
E_START	Ethambutol Start Date	Date ethambutol was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date			
E_STOP	Ethambutol End Date	Date ethambutol was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date			
Z_START	Pyrazinamide Start Date	Date pyrazinamide was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date			
Z_STOP	Pyrazinamide End Date	Date pyrazinamide was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date			
S_START	Streptomycin Start Date	Date streptomycin isoniazid was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date			
S_STOP	Streptomycin End Date	Date streptomycin was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date			
RFB_START	Rifabutin Start Date	Date rifabutin was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date			
RFB_STOP	Rifabutin End Date	Date rifabutin was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date			
AM_START	Amikacin Start Date	Date amikacin was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date			
AM_STOP	Amikacin End Date	Date amikacin was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date			
KM_START	Kanamycin Start Date	Date kanamycin was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date			
KM_STOP	Kanamycin End Date	Date kanamycin was permanently removed from the patient's regimen	Date			

Regimen Information*								
Field	Variable	Additional Information	Format	Category Coding	Category Labeling			
		<mm dd="" yy=""></mm>						
CM_START	Capreomycin Start Date	Date capreomycin was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
CM_STOP	Capreomycin End Date	Date capreomycin was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
OFX_START	Ofloxacin Start Date	Date ofloxacin was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
OFX_STOP	Ofloxacin End Date	Date ofloxacin was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
CFX_START	Ciprofloxacin Start Date	Date ciprofloxacin was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
CFX_STOP	Ciprofloxacin End Date	Date ciprofloxacin was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
MFX_START	Moxifloxacin Start Date	Date moxifloxacin was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
MFX_STOP	Moxifloxacin End Date	Date moxifloxacin was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
LFX_START	Levofloxacin Start Date	Date levofloxacin was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
LFX_STOP	Levofloxacin End Date	Date levofloxacin was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
GFX_START	Gatifloxacin Start Date	Date gatifloxacin was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
GFX_STOP	Gatifloxacin End Date	Date gatifloxacin was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
SFX_START	Sparfloxacin Start Date	Date sparfloxacin was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
SFX_STOP	Sparfloxacin End Date	Date sparfloxacin was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
ETO_START	Ethionamide Start Date	Date ethionamide was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
ETO_STOP	Ethionamide End Date	Date ethionamide was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
PTO_START	Prothionamide Start Date	Date prothionamide was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
PTO_STOP	Prothionamide End Date	Date prothionamide was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
CS_START	Cycloserine Start Date	Date cycloserine was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
CS_STOP	Cycloserine End Date	Date cycloserine was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
TRD_START	Terizidone Start Date	Date terizidone was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					

	Regimen Information*							
Field	Variable	Additional Information	Format	Category Coding	Category Labeling			
TRD_STOP	Terizidone End Date	Date terizidone was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
PAS_START	Para- Aminosalicylic Acid Start Date	Date para-aminosalicylic acid was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
PAS_STOP	Para- Aminosalicylic Acid End Date	Date para-aminosalicylic acid was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
LZD_START	Linezolid Start Date	Date linezolid was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
LZD_STOP	Linezolid End Date	Date linezolid was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
CFZ_START	Clofazimine Start Date	Date clofazimine was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
CFZ_STOP	Clofazimine End Date	Date clofazimine was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
AMXCLV_START	Amoxicillin and Clavulanic Acid Start Date	Date amoxicillin and clavulanic acid was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
AMXCLV_STOP	Amoxicillin and Clavulanic Acid End Date	Date amoxicillin and clavulanic acid was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
IPM_START	Imipenem- Cilastatin Start Date	Date imipenem-cilastatin was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
IPM_STOP	Imipenem- Cilastatin End Date	Date imipenem-cilastatin was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
MPM_START	Meropenem Start Date	Date meropenem was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
MPM_STOP	Meropenem End Date	Date meropenem was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
BDQ_START	Bedaquiline Start Date	Date bedaquiline was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
BDQ_STOP	Bedaquiline End Date	Date bedaquiline was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
DLM_START	Delamanid Start Date	Date delamanid was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
DLM_STOP	Delamanid End Date	Date delamanid was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
PA_START	Pretomanid Start Date	Date pretomanid was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					
PA_STOP	Pretomanid End Date	Date pretomanid was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date					
PCZ_START	Perchlozone Start Date	Date perchlozone was introduced into the patient's regimen. <mm dd="" yy=""></mm>	Date					

Regimen Information*					
Field	Variable	Additional Information	Format	Category Coding	Category Labeling
PCZ_STOP	Perchlozone End Date	Date perchlozone was permanently removed from the patient's regimen <mm dd="" yy=""></mm>	Date		
TXEND_DATE	Treatment End Date	Date treatment ended in this treatment episode <mm dd="" yy=""></mm>	Date		
	Intended	If the nations started on a short		Y	Yes
DURATION_CHANGE	Duration of Regimen Changed	If the patient started on a short regimen, did they switch to a long regimen?	Category	N	No
CHANGE_DATE	Date of Regimen Duration Change	The date the patient changed from a short regimen to a long regimen <mm dd="" yy=""></mm>	Date		
		What was the reason the regimen		DST	Drug Resistance
	Reason the	duration changed? This may		NoResp	Non-Response
CHANGE REASON	Regimen	include: in response to drug	Category	AE	Tolerability
	Duration	susceptibility testing, treatment non-	Calegoly	Avail	Drug Availability
	Changed	response, drug availability, drug tolerability, or other.		Other	Other
*For drugs not used in the regimen	, their coding can rema	in blank. Stop dates must refer to the date t	hat the drug	was permane	ently withdrawn from

the regimen. New rows can be added to accommodate drugs not contained in this table. ıy 1

	Treatment Information				
Field	Variable	Additional Information	Format	Category Coding	Category Labeling
TXDUR_DAYS	Treatment Duration	Total number of days of treatment, from first to last dose taken	Num ###		
DOT	Directly Observed	Was directly observed therapy used?	Category	Y	Yes
BOI	Therapy	was directly observed therapy used:	Calegoly	Ν	No
		State the type of directly observed		Comm	Community
DOT_TYPE	Type of Directly	therapy used. Virtual includes methods such as video, mobile text, or medication monitoring, among others.	Category	Hosp	Hospital
	Observed Therapy			Pharm	Pharmacy
				Virtual	Virtual
DOT_FREQUENCY	Frequency of DOT Visits	How many days per week is DOT provided to the patient (range 0–7 d)	Num ###		
		What form of patient support was		Employ	Employment
		provided to patients? This may		Nutri	Nutritional
SUPPORT	Patient Support	include support from employers (iob	C - +	Finance	Financial
SUPPORT	Provided	security), nutritional support, financial	Category	Other	Other
		support, or others. If more than one		Multi	Multiple
		form, please select multiple.		None	None

	Surgery and Hospitalization Information				
Field	Variable	Additional Information	Format	Category Coding	Category Labeling
	Lung Resortion	Did the nationt have lung respection		Y	Yes
SURGERY	Surgery	surgery related to MDR/RR-TR2	Category	Ν	No
	Surgery	surgery related to MDR/RR-TD?		U	Unknown
				Lobe	Lobectomy
	Type of Lung	What was the type of lung respection		Pneu	Pneumonectomy
SURGTYPE	Resection	esection		Wedge	Wedge Resection
	Surgery	surgery?		Other	Other
				U	Unknown
SURG_DATE	Date of Surgery	What was the date of surgery?	Date		
		Was the notiont beenitelized at any	Category	Y	Yes
HOSP	Hospitalization	vvas the patient hospitalized at any		Ν	No
				U	Unknown
HOSPEPISODES	Number of Hospitalization Episodes	What is the total number of hospitalization episodes during treatment?	Num ###		
HOSPDUR_DAYS	Total Hospitalization Duration	What is the total duration of hospitalization during treatment?	Num ###		

Adverse Event Information					
Field*	Variable	Additional Information	Format	Category Coding	Category Labeling
AE1	First Adverse Event	Did the patient experience a serious adverse event and/or permanently	Category	SAE Perm	Serious Adverse Event Permanent Stop
AE1 DATE	Date of First	What was the date of the permanent	Date	Both	Both
AE1_DRUG	Adverse event Drug Responsible for First Adverse Event	discontinuation of the drug(s)? List each drug, separated by a comma, using the provided abbreviations with this dictionary.	Char		
AE1_GRADE	Grade of First Adverse Event	What was the grade of the first adverse event?	Num ###		
AE1_SYSTEMORGAN	System / Organ Class Affected by First Adverse Event	Which system / organ classes were affected by the first adverse event? List each system / organ class, separated by a comma, using the list provided with this dictionary.	Char		
AE1_OUTCOME	Outcome of First Adverse Event	What was the outcome of the first adverse event?	Category	Recov NoRecov Died	Recovered Not Recovered Died
	Second Adverse	Did the patient experience a serious	Catagony	SAE	Serious Adverse Event
AEZ	Event	stop the drug	Category	Perm Both	Permanent Stop Both
AE2_DATE	Date of Second Adverse event	d What was the date of the permanent discontinuation of the drug(s)?			
AE2_DRUG	Drug Responsible for Second Adverse Event	List each drug, separated by a comma, using the provided Char abbreviations with this dictionary.			
AE2_GRADE	Grade of Second Adverse Event	What was the grade of the second August Num			
AE2_SYSTEMORGAN	System / Organ Class Affected by Second Adverse Event	Which system / organ classes were affected by the second adverse event? List each system / organ class, separated by a comma, using the list provided with this dictionary.	Char		
	Outcome of	What was the outcome of the second		Recov NoRecov	Recovered Not Recovered
AE2_OUTCOME	Event	adverse event?	Category	Died U	Died Unknown
AE3	Third Adverse	Did the patient experience a serious	Category	SAE	Serious Adverse Event
	Event	stop the drug	categoly	Perm Both	Permanent Stop Both
AE3_DATE	Date of Third Adverse event	What was the date of the permanent discontinuation of the drug(s)?	Date		
AE3_DRUG	Drug Responsible for Third Adverse Event	List each drug, separated by a comma, using the provided abbreviations with this dictionary.	Char		
AE3_GRADE	Grade of Third Adverse Event	What was the grade of the third adverse event?	Num ###		
AE3_SYSTEMORGAN	System / Organ Class Affected by Third Adverse Event	Which system / organ classes were affected by the third adverse event? List each system / organ class, separated by a comma, using the list provided with this dictionary.	Char	-	
AE3_OUTCOME	Outcome of Third Adverse Event	What was the outcome of the third adverse event?	Category	Recov NoRecov Died U	Recovered Not Recovered Died Unknown
*Additional adverse event entries can be entered following the same format.					

		Follow-Up Culture Results*			
Field	Variable	Additional Information	Format	Category Coding	Category Labeling
		Mile at the territory was add from the		Pos	Positive
	Culture Result	what is the culture result for the	Catanami	Neg	Negative
CULTURE_MONTHI	Month 1		Category	Contam	Contaminated
		12		ND	Not Done
				Pos	Positive
	Culture Result	What is the culture result for the	_	Nea	Negative
CULTURE_MONTH2	Month 2	sputum sample tested during month	Category	Contam	Contaminated
		2?			Not Done
				Pos	Positivo
	Culture Recult	What is the culture result for the		Nog	Nogotivo
CULTURE_MONTH3	Month 2	sputum sample tested during month	Category	Contam	Contaminated
	WOTUT 5	3?			Not Dono
					Not Done
	Outron Danit	What is the culture result for the		POS	Positive
CULTURE_MONTH4	Culture Result	sputum sample tested during month	Category	Neg	Negative
_	Month 4	4?	0,	Contam	Contaminated
				ND	Not Done
		What is the culture result for the		Pos	Positive
CULTURE MONTHS	Culture Result	sputum sample tested during month	Category	Neg	Negative
	Month 5	52	outegoly	Contam	Contaminated
		0.		ND	Not Done
		What is the sulture result for the		Pos	Positive
	Culture Result	what is the culture result for the	Cotomory	Neg	Negative
CULTURE_MONTHS	Month 6	sputum sample tested during month	Category	Contam	Contaminated
		0?		ND	Not Done
				Pos	Positive
	Culture Result	What is the culture result for the	. .	Nea	Negative
CULTURE_MONTH/	Month 7	sputum sample tested during month	Category	Contam	Contaminated
		7?		ND	Not Done
				Pos	Positive
	Culture Result	What is the culture result for the		Nea	Negative
CULTURE_MONTH8	Month 8	sputum sample tested during month	Category	Contam	Contaminated
	WORTH 0	8?			Not Dono
				ND Rec	Not Done Desitive
	Culture Desult	What is the culture result for the		FUS	Pusitive
CULTURE_MONTH9	Culture Result	Aparth 0 sputum sample tested during month	Category	Neg	Negative Contorringtod
	Month 9	9?		Contam	Contaminated
				ND	Not Done
		What is the culture result for the		Pos	Positive
CULTURE MONTH10	Culture Result	sputum sample tested during month	Category	Neg	Negative
	Month 10	10?		Contam	Contaminated
				ND	Not Done
		What is the culture result for the		Pos	Positive
CULTURE MONTH11	Culture Result	sputum sample tested during month	Category	Neg	Negative
	Month 11	11?	outogoly	Contam	Contaminated
				ND	Not Done
		What is the culture result for the		Pos	Positive
CULTURE MONTH12	Culture Result	sputum sample tested during month	Category	Neg	Negative
COLLOKE_MONTHIZ	Month 12	122	Category	Contam	Contaminated
		12:		ND	Not Done
		What is the sulture result for the		Pos	Positive
	Culture Result	what is the culture result for the	Cotomory	Neg	Negative
COLTORE_MONTHIS	Month 13		Category	Contam	Contaminated
		13?		ND	Not Done
				Pos	Positive
	Culture Result	What is the culture result for the	. .	Nea	Negative
CULTURE_MONTH14	Month 14	sputum sample tested during month	Category	Contam	Contaminated
		14?		ND	Not Done
	1			Pos	Positive
	Culture Result	What is the culture result for the		Neg	Negative
CULTURE_MONTH15	Month 15	sputum sample tested during month	Category	Contam	Contaminated
		15?		ND	Not Done
		What is the culture requil for the		Pos	Positivo
	Culture Result	solution completested during month	Catagon	Noc	Nogotivo
	Month 16		Calegory	Contorn	Contominated
	1	10:		Contain	Contaminated

	Follow-Up Culture Results*				
Field	Variable	Additional Information	Format	Category Coding	Category Labeling
				ND	Not Done
		What is the sulture result for the		Pos	Positive
	Culture Result	sputum sample tested during month Category		Neg	Negative
COLTORE_MONTHT	Month 17	sputum sample tested during month	Calegory	Contam	Contaminated
		17 :		ND	Not Done
		What is the gulture regult for the		Pos	Positive
	Culture Result	sputum sample tested during month		Neg	Negative
COLTORE_MONTHIN	Month 18	182	Calegory	Contam	Contaminated
		10!		ND	Not Done
		What is the sulture result for the		Pos	Positive
	Culture Result	what is the culture result for the	Cotogony	Neg	Negative
COLTORE_MONTH19	Month 19	sputum sample tested during month	Category	Contam	Contaminated
		19?		ND	Not Done
		What is the sulture result for the		Pos	Positive
	Culture Result	what is the culture result for the	Cotomory	Neg	Negative
CULTURE_MONTH20	Month 20	sputum sample tested during month	Category	Contam	Contaminated
		20?		ND	Not Done
				Pos	Positive
	Culture Result	what is the culture result for the	Cotogony	Neg	Negative
CULTURE_MONTH21	Month 21	sputum sample tested during month	Category	Contam	Contaminated
		21!		ND	Not Done
		What is the sulture result for the		Pos	Positive
	Culture Result	what is the culture result for the	Cotogony	Neg	Negative
CULTURE_MONTH22	Month 22	sputum sample tested during month	Category	Contam	Contaminated
		22 !		ND	Not Done
		What is the sulture result for the		Pos	Positive
	Culture Result	what is the culture result for the	Cotogony	Neg	Negative
CULTURE_MONTH23	Month 23	sputum sample tested during month	Category	Contam	Contaminated
		23!		ND	Not Done
		What is the sulture result for the		Pos	Positive
	Culture Result	what is the culture result for the	Cotogony	Neg	Negative
COLTORE_MONTH24	Month 24	sputum sample tested during month	Calegory	Contam	Contaminated
		24!		ND	Not Done
*Month 1 refers to the result of the sample taken between day 31 and 60 that is closest to day 31 and valid (i.e., Positive or Negative); Month 2 refers to the sample taken between day 61 and 90 that is closest to day 61 and valid (i.e., Positive or Negative); the remaining months follow the same pattern. Any MTB colonies seen should be considered positive. If multiple samples are taken on a given day, a positive-dominant approach should be taken, whereby a patient is positive if a single positive sample is found. A patient sample should only be classified as contaminated if all samples form that month were contaminated.					

	Foll	ow-Up Smear Microscopy Results*			
Field	Variable	Additional Information	Format	Category Coding	Category Labeling
		What is the smear result for the		Pos	Positive
SMEAR MONTH1	Smear Result	soutum sample tested during month	Category	Neg	Negative
	Month 1	1?	Outogory	Contam	Contaminated
				ND	Not Done
		What is the smear result for the		Pos	Positive
SMEAR MONTH2	Smear Result	sputum sample tested during month	Category	Neg	Negative
_	Month 2	2?	0,	Contam	Contaminated
				ND	Not Done
	Crease Desult	What is the smear result for the		Pos	Positive
SMEAR_MONTH3	Smear Result	sputum sample tested during month	Category	Contorn	Contominated
	Wohth 5	3?		ND	Not Done
				Pos	Positive
	Smear Result	What is the smear result for the		Neg	Negative
SMEAR_MONTH4	Month 4	sputum sample tested during month	Category	Contam	Contaminated
		4?		ND	Not Done
				Pos	Positive
	Smear Result	What is the smear result for the	-	Nea	Negative
SMEAR_MONTH5	Month 5	sputum sample tested during month	Category	Contam	Contaminated
		5?		ND	Not Done
				Pos	Positive
	Smear Result	What is the smear result for the	Catanan	Neg	Negative
SMEAR_MONTH6	Month 6	sputum sample tested during month	Category	Contam	Contaminated
		0?		ND	Not Done
		What is the amount requilt for the		Pos	Positive
SMEAR MONITHZ	Smear Result	sputum sample tested during month	Catagony	Neg	Negative
SIMEAR_MONTH/	Month 7		Calegory	Contam	Contaminated
		/: 		ND	Not Done
		What is the smear result for the	Category	Pos	Positive
SMEAR MONTH8	Smear Result	sputum sample tested during month		Neg	Negative
	Month 8	8?	outogoly	Contam	Contaminated
				ND	Not Done
		What is the smear result for the		Pos	Positive
SMEAR MONTH9	Smear Result	sputum sample tested during month	Category	Neg	Negative
	Month 9	9?		Contam	Contaminated
				ND	Not Done
	Smoor Deput	What is the smear result for the		POS	Nogotivo
SMEAR_MONTH10	Smear Result	sputum sample tested during month	Category	Contorn	Contominated
		10?		Contam	Not Dono
				Ros	Positivo
	Smear Result	What is the smear result for the		Neg	Negative
SMEAR_MONTH11	Month 11	sputum sample tested during month	Category	Contam	Contaminated
		11?		ND	Not Done
				Pos	Positive
	Smear Result	What is the smear result for the	-	Nea	Negative
SMEAR_MONTH12	Month 12	sputum sample tested during month	Category	Contam	Contaminated
		12?		ND	Not Done
				Pos	Positive
SMEAD MONTUAR	Smear Result	What is the smear result for the	Cotogony	Neg	Negative
SIMEAR_MONTHIS	Month 13		Category	Contam	Contaminated
		13!		ND	Not Done
		What is the amount result for the		Pos	Positive
SMEAR MONTH14	Smear Result	sputum sample tested during month	Category	Neg	Negative
SMEAR_MONTH4	Month 14		Calegory	Contam	Contaminated
		· · ·		ND	Not Done
		What is the smear result for the		Pos	Positive
SMEAR MONTH15	Smear Result	sputum sample tested during month	Category	Neg	Negative
	Month 15	15?	Category	Contam	Contaminated
				ND	Not Done
SMEAR MONTH16	Smear Result		Category	Pos	Positive
	Month 16		Calogory	Neg	Negative

	Follow-Up Smear Microscopy Results*				
Field	Variable	Additional Information	Format	Category Coding	Category Labeling
		What is the smear result for the		Contam	Contaminated
		sputum sample tested during month 16?		ND	Not Done
		What is the amount result for the		Pos	Positive
SMEAD MONTH17	Smear Result	what is the smear result for the	Cotogony	Neg	Negative
SIVIEAR_WONTHT	Month 17	17?		Contam	Contaminated
		17 !		ND	Not Done
		What is the amount result for the		Pos	Positive
SMEAD MONITU19	Smear Result	what is the smear result for the	Cotogony	Neg	Negative
SIMEAR_MONTHIN	Month 18	sputum sample tested during month Catego		Contam	Contaminated
		10!		ND	Not Done
		M/h at is the arrest requilt for the		Pos	Positive
SMEAD MONTHIO	Smear Result	what is the smear result for the	Cotogony	Neg	Negative
SIVIEAR_WONTHIS	Month 19		Calegory	Contam	Contaminated
		19?		ND	Not Done
		M/h at is the arrest requilt for the	nat is the smear result for the utum sample tested during month	Pos	Positive
SMEAD MONTHO	Smear Result	sputum sample tested during month Categor		Neg	Negative
SIVIEAR_IVIONTH20	Month 20			Contam	Contaminated
		20?		ND	Not Done
		What is the amount result for the		Pos	Positive
SMEAD MONTH21	Smear Result	sputum sample tested during month	Catagony	Neg	Negative
SIVIEAR_WONTH21	Month 21	sputum sample tested during month Ca		Contam	Contaminated
		21!		ND	Not Done
		What is the amount result for the		Pos	Positive
SMEAD MONTHOD	Smear Result	what is the smear result for the	Cotogony	Neg	Negative
SIVIEAR_WONTH22	Month 22	222	Calegory	Contam	Contaminated
		22 :		ND	Not Done
		M/h at is the arrest requilt for the		Pos	Positive
SMEAD MONTH22	Smear Result	soutum sample tested during month	Catagony	Neg	Negative
SINEAR_MONTH25	Month 23	232	Calegoly	Contam	Contaminated
		23!		ND	Not Done
		What is the amount result for the		Pos	Positive
SMEAD MONTHOA	Smear Result	what is the smear result for the	Cotogony	Neg	Negative
SIVIEAR_IVIONI 124	Month 24		Category	Contam	Contaminated
		27:		ND	Not Done
*Any acid-fast bacilli seen should be considered positive. Month 1 refers to the result of the sample taken between day 31 and 60 that is closest to day 21 and yolid (i.e. Resitive or Negative). Month 2 refers to the sample taken between day 61 and 90 that is closest to day 61 and yolid (i.e.					

day 31 and valid (i.e., Positive or Negative); Month 2 refers to the sample taken between day 61 and 90 that is closest to day 61 and valid (i.e., Positive or Negative); the remaining months follow the same pattern. If multiple samples are taken within a given day, a positive-dominant approach should be taken, whereby a patient is positive if a single positive sample is found. A patient sample should be classified as contaminated only if all samples from that month were contaminated.

Treatment Outcome Information					
Field	Variable	Additional Information	Format	Category Coding	Category Labeling
OUTCOME_DEFINITION	End-of-Treatment Outcome	Specify the guideline year the outcome definition follows—this is preferably the 2013 guidelines but can	Category	WHO2013	2013 Definitions
	Definition	follow 2005 guidelines if not available.		WHO2005	2005 Definitions
				Cure	Cure
	End of treatment outcome assigned to the patient,		Complete	Treatment Complete	
OUTCOME	End-of-Treatment Outcome	following the outcome year	Category	Fail	Treatment Failure
		specified above.		Death	Death
_				LTFU	Up
		Did the patient culture		Υ	Yes
	Culture	consecutive negative	as two jative t least 28 d		No
	Conversion	apart)? If the patient was culture negative at baseline, list as BaseNeg.	Calegory	BaseNeg	Baseline Negative
CULTURECONV_DATE	Date of Culture Conversion	If the patient culture converted, what was the date of conversion (defined as the date of the first of the two consecutive negative cultures)?	Date		
	Culture	If exact date of conversion is		Y	Yes
TWOCONV	Conversion by	unknown, did culture	Category	N	No
	Month Two	end of month two?		U	Unknown
	Culture	If exact date of conversion is		Y	Yes
SIXCONV	Conversion by Month Six	conversion occur before the	Category	U	Unknown
		If patient converted or was		Y	Yes
		culture negative at baseline, was there culture reversion	Cotogony	N	No
COLIUREREV		(defined as two consecutive positive cultures taken at least 28 d apart)?	Calegory	U	Unknown
CULTUREREV_DATE	Date of Culture Reversion	If patient had culture reversion, what was the date of reversion (defined as the date of the first of the two consecutive positive cultures)?	Date		
RECURRENCE_MONITORING	Post-Treatment Recurrence Monitoring	Was post-treatment monitoring for recurrence performed?	Category	Y N	Yes No
RECURRENCE_FOLLOWUP_DUR	Duration of Recurrence Monitoring	What was the duration of recurrence monitoring, in months?	Num ###		
RECURRENCE_OUTCOME	Occurrence of	Did the patient experience	Category	Y	Yes
RECURRENCE_DATE	Date of Recurrence	What was the date of the recurrence episode?	Date		
		If resources permitted, was		Relapse	Relapse
RELAPSE_REINFECT	Relapse or	the recurrence classified as	Categorv	Reinfect	Reinfection
	Keintection	a true relapse or as a reinfection?		U	Unknown
*These can be reported by the individual providing data or calculated by an analyst. In the instance of multiple cultures taken at the same time, a positive dominant approach should be taken, i.e., the result should be considered positive if any of the samples are positive. In the case of extended results these about the disorded when calculating time to environment and the taken is a same time.					

Drug Abbreviations, System/Organ Classes, and End-of-Treatment Outcome Definitions

The tables contained within this section are intended to promote standardization in coding of drugs, outcomes, and adverse events.

Tuberculosis Drug Name / Drug Class	Abbreviation
Isoniazid	Н
Rifampin	R
Ethambutol	E
Pyrazinamide	Z
High Dose Isoniazid	HighH
Streptomycin	S
Rifabutin	Rfb
Amikacin	Am
Capreomycin	Cm
Kanamycin	Km
Ofloxacin	Ofx
Ciprofloxacin	Cfx
Moxifloxacin	Mfx
Levofloxacin	Lfx
Gatifloxacin	Gfx
Sparfloxacin	Sfx
Ethionamide	Eto
Prothionamide	Pto
Cycloserine	Cs
Terizidone	Trd
Para-Aminosalicylic Acid	PAS
Linezolid	Lzd
Clofazimine	Cfz
Amoxicillin and Clavulanic Acid	AmxClv
Imipenem-Cilastatin	Ipm
Meropenem	Mpm
Bedaquiline	Bdq
Delamanid	DIm
Pretomanid	Pa
Perchlozone	Pcz
Thioacetazone	Т
Rifapentine	Rpt
Second Line Injectables	SLI
Fluoroquinolones	FQ

Drug Name / Drug Class of Antiretroviral Therapy	Abbreviation
Nucleoside/Nucleotide Reverse transcription Inhibitor	NRTI
Abacavir	ABC
Didanosine	ddl
Emtricitabine	FTC
Lamivudine	3TC
Stavudine	d4T
Tenofovir alafenamide	TAF
Tenofovir disoproxil fumarate	TDF
Zidovudine	AZT or ZDV
Non-nucleoside Reverse transcription Inhibitor	NNRTI
Delaviridine	DLV
Efavirenz	EFV
Etavirine	ETR
Nevirapine	NVP
Rilpivirine	RPV
Protease Inhibitor	PI
Amprenavir	AMV
Atazanavir	ATV
Darunavir	DRV
Fosamprenavir	FPV
Indinavir	IDV
Lopinavir + ritonavir	LPV/r
Nelfinavir	NFV
Saquinavir	SQV
Tipranavir	TPV
Fusion Inhibitor	FI
Enfuviritide	ENF or T-20
CCR5 Antagonist	CCR5
Maraviroc	MVC
Integrase Inhibitor	11
Bictegravir	BIC
Dolutegravir	DTG
Elvitegravir	EVG
Raltegravir	RAL

SYSTEM/ORGAN CLASS
Blood and lymphatic system disorders
Cardiac disorders
Congenital, familial and genetic disorders
Ear and labyrinth disorders
Endocrine disorders
Eye disorders
Gastrointestinal disorders
General disorders and administration site conditions
Hepatobiliary disorders
Immune system disorders
Infections and infestations
Injury, poisoning and procedural complications
Investigations
Metabolism and nutrition disorders
Musculoskeletal and connective tissue disorders
Neoplasms benign, malignant and unspecified (incl cysts and polyps)
Nervous system disorders
Pregnancy, puerperium and perinatal conditions
Psychiatric disorders
Renal and urinary disorders
Reproductive system and breast disorders
Respiratory, thoracic and mediastinal disorders
Skin and subcutaneous tissue disorders
Social circumstances
Surgical and medical procedures
Vascular disorders

WHO 2013 Outcome Definitions (Preferred)		
Outcome	Definition	
Cure	Treatment completed as recommended by the national policy without evidence of failure AND three or more consecutive cultures taken at least 30 d apart are negative after the intensive phase (or Month 8 if no intensive phase).	
Complete	Treatment completed as recommended by the national policy without evidence of failure BUT no record that three or more consecutive cultures taken at least 30 d apart are negative after the intensive phase (or Month 8 if no intensive phase).	
Failure*	Treatment terminated or need for permanent regimen change of at least two anti-TB drugs because of: (1) lack of conversion by the end of the intensive phase, or (2) bacteriological reversion in the continuation phase after conversion to negative, or (3) evidence of additional acquired resistance to fluoroquinolones or second-line injectable drugs, or (4) adverse drug reactions.	
Death	A patient who dies for any reason during the course of treatment	
Lost to Follow-up	A patient whose treatment was interrupted for 2 consecutive months or more.	

WHO 2005 (Laserson) Outcome Definitions (if 2013 not possible)		
Outcome	Definition	
Cure	Completed treatment according to program protocol and has at least five consecutive negative cultures from samples collected at least 30 d apart in the final 12 mo of treatment. If only one positive culture is reported during that time, and there is no concomitant clinical evidence of deterioration, a patient may still be considered cured, provided that this positive culture is followed by a minimum of three consecutive negative cultures taken at least 30 d apart.	
Complete	Completed treatment according to program protocol but does not meet the definition for cure because of lack of bacteriological results (i.e., fewer than five cultures were performed in the final 12 mo of treatment).	
Failure	Treatment will be considered to have failed if two or more of the five cultures recorded in the final 12 mo of therapy are positive, or if any one of the final three cultures is positive. (Treatment will also be considered to have failed if a clinical decision has been made to terminate treatment early because of poor clinical or radiological response or adverse events).	
Death	A patient who dies for any reason during the course of MDR/RR-TB treatment	
Lost to Follow-up	A patient whose treatment was interrupted for two or more consecutive months for any reason without medical approval.	

Example of an Initial Data Sharing Agreement (Can Be Modified on a Case-By-Case Basis)

LETTER OF AGREEMENT for IPD in MDR/RR TB

This letter of agreement is between the <u>McGill University group (hereafter referred to as</u> <u>the McGill group)</u> for an Individual Patient Data (IPD) meta-analysis in multidrug-resistant tuberculosis TB (MDR-TB), and <u>[INSERT NAME OF INVESTIGATOR AND INSTITUTION]</u> (hereafter referred to as the investigator), regarding the transfer and use of data collected by the investigator. The McGill group and the investigator agree to collaborate on <u>[INSERT NAME OF</u> <u>PROJECT]</u> according to the terms in this letter and those set out in the full project protocol, which is attached as Annex 1.

The McGill group agrees to:

- Obtain approval from the Research Ethics Board of the Montreal Chest Institute, McGill University Health Center for this research.
- Respect the confidentiality of all data received. They will not attempt to identify patients, nor contact patients directly.
- Respect the principle that the investigator continues to 'own' the data sent for inclusion in this analysis. When the data set is "cleaned" and preliminary analyses completed, a copy of the data set will be returned to the investigator.
- Perform data analysis that addresses the objectives specified in the attached study protocol only. Any additional analysis will be performed only after it has been approved by the investigator. For additional analyses that are closely related to these objectives, the investigator will be informed; approval will be assumed if the investigator does not reply within a specified interval. If the investigator has concerns or objections to any new analyses, these will be addressed and resolved before proceeding. Analyses to address completely novel objectives that have not been foreseen in the current study protocol must be actively approved by the investigator before these analyses are undertaken.
- Finish analyses and return the data to the investigator by the sunset date. This date will be the date by which the analyses must be completed, and any manuscript(s)

prepared. The tentative sunset date to complete analyses, and prepare related manuscripts is [INSERT DATE]. If a manuscript is submitted, the data must be held until peer review is completed, and then up to 1 year after publication – to allow time for responses to the findings (e.g., letters to the editor). However, after the sunset date no further new analysis can begin without agreement to the extension of the sunset date by the investigator.

- Share results of analyses with the investigator, and all members of the IPD group at intervals described in the study protocol.
- Prepare draft and final reports of results for the project and prepare manuscript(s) of results for publication. All draft reports and manuscripts will be reviewed and approved by the investigator, and all members of the IPD group before submission. The authorship of these reports will be "The Collaborative Group for Meta-Analysis of Updated Individual Patient Data in MDR-TB", followed by a listing of all members – in alphabetic order. The corresponding author will be Dr. Menzies of McGill.

The investigator agrees to:

- Verify whether they require approval from their local Research Ethics Board, depending on their institution's policy. If so, the investigator will obtain this approval before sending the data to the McGill group. No additional data will be collected from the patients, thus investigator will not need to obtain patients' consent for this analysis.
- Transfer a data file of information on all patients who were members of a cohort of MDR-TB patients which the investigator reported in earlier publications. This patient dataset will be rendered completely anonymous before forwarding this to the Montreal Chest Institute by removing all personal identifiers.
- Become a member of The Collaborative Group for Meta-Analysis of Updated Individual Patient Data in MDR-TB. This Collaborative Group will review all preliminary and final results of analyses performed by the McGill group, as well

as all reports of results – for the guideline groups, for public presentation, and for publication.

• Treat these preliminary results confidentially. The investigator will not publish (including posting on the Internet), present in any public forum, nor disseminate through any media these results without approval from the McGill Group and other members of the IPD Collaborative Group.

Dr. Dick Menzies (for the McGill University Group)	Date
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[Insert name and institution]

Date