

Objectives of visit	1. To check the data quality at field level 2. To improve data quality by cross-checking and reducing inconsistencies	
Name and Title of staff who have met during the visit	Ms.Nang Sai Ko (Field Officer) , Dr Linn Htet Oo (PM_MEAL(TB)) Ms.Yune Me Me Zaw (Data Assistant_PICTS 2)	
Reporting period verified	From: February, 2021	To: September,2022
Date of assessment	11/16/2022	
Name of township assessed	Myingyan Township (PICTS 2)	
Indicator(s) selected	A. Critical Indicators 1.No of TB Cases Notified among referred and examined Presumptive TB cases 2.No of presumptive TB cases referred and examined 3. Average number of days between a positive test and initiation of treatment 4. Number of new TB patients receiving DOTS supervision 5. Percentage of Loss to Follow Up among TB patients received DOTS supervision in the same period of the previous year 6. Number of CHVs trained B. Indicators relating to SCC	
Methodologies	1. Document (hard copies kept in field office) will be cross-checked with reported data (soft copy in MEAL Unit)	

II. Data quality assessment checklist

No	Descriptions	Yes/ No	Comment	Action need to be taken
A. Confidentiality				
1.	Is the record kept systematically_ according to category and month?	No	Kept in plastic box and no lock.	To keep in lock cupboard.
B. Completeness				
1.	Monthly project report - is complete and signed?	Yes	Cannot able to access the report before February,2022 since they were left at NTP Office.	To request the FO reports from start of Myingyan

				project sites from MEAL unit and keep at project sites.
2.	Sputum collection center report - is information completed and sign?	Yes		
3.	Sputum collection center register - is information completed?	Yes		
4.	DOT register – is information completely filled	No	DOTS complete date is blank for 19/419,19/430 in Register.	To fill the DOTS complete date by FO.
5.	Missed dose/loss to follow up register – is information completely filled		No activity during the current RDQA period	
6.	Presumptive register	No	MGN/ 0 197 / 22's sex is blank in presumptive register.	To tick the respective sex by FO.
7.	Union Notified Register	No	(1) Follow up sputum are blank in all patients. (2) Union/MGN/22/005's outcome is blank (3) Treatment start date is blank in all 2021 patients	(1) To update the register with Follow up sputum (2) To update the outcome in Union Web Database by FO. (3) To fill the Treatment start date in 2021 patients.
8.	Volunteer Training Information Sheet	No	Nov,2021 is missing, Sep,2022 is missing. Vol Khaing Zin Wai not found in Union Database. Type of training is blank in Vol Zin Mar Thwe and Ye Yint Year is blank in January,2021 volunteer training information sheets	To update according to the hard copy.
9.	For any other missing information.	No	Volunteer name is blank in Form 2 for July,2022 of volunteer Tin Myo Khaing. Sex in Presumptive code 75/22 is not ticked in form 1 for May,2022.	To update the forms with respective correct data.
C. Consistency				
1.FO reports				
1.1	Indicators in FO report the same with data base of Union Dashboard and PICTS data record file	No	Indi 19,20 of Aug-22, hard copy→M=2,F=0, M=1,F=0 in PICTS data record file	To keep the updated report for August,2022
2.Union Notified Register				
2.1	No. of patients in the register are the same with No of TB cases in the electronic database of the Union.	Yes		
2.2	The following variables in Notified Registers are consistent with that of electronic database of the Union.			
	a. TB Codes	No	(1) Temporary TB code are not in format (Nov,21 to Jun,22)	(1) Temporary TB code should be in format as Union/MGN/year/TB

			(2) Actual MMA TB Codes are blank and not in format.(Nov,21 to July,22)	code (Nov,21 to Jun,22) (2) Actual MMA TB Code need to be update with the format as MMA-MGN/year/TB code. (Nov,21 to July,22)
	b. Name	Yes		
	c. Age	No	(1) Union/MGN/21/004's age is 11/2 in register, 2 in Union Web database. (2) Union/MGN/22/013's age is 56 in register, 46 in Union Web database. (3) Union/MGN/22/33's age is 30 in register, 40 in Union Web database.	(1) To update Union Web database as 1year. (2) To Update according to the right one. 46 is the right one. (3) To Update according to the right one.40 is correct.
	d. Sex	Yes		
	e. Smoking Status	No	21/1,21/3,21/6 no in register, current in soft copy	To Update on Union database with the correct data.
	f. Treatment Start Date	No	Blank in all 2021 patients	To update the treatment start date in hard register
	g. Outcomes	No	Outcomes are not updated and not consistent between the register and Union web database.	To update the outcomes and to correct the hard register since the data in Union database is correct.
3.Presumptive Register				
3.1	No of patients in the register are the same with No of Presumptive cases in the electronic database of the Union.	Yes		
3.2	The following variables of the patients in Presumptive Registers are consistent with that of electronic database of the Union.			
	a. Registration Date	Yes		
	b. Name	Yes		
	c. Age	Yes		
	d. Sex	No	The sex of following patients is not consistent between register and Union web database: MGN/ 0 127 / 22 MGN/ 0 170 / 22 MGN/ 0 197 / 22	To correct according to the right one.

	e. If Conclusion is TB or MDRTB, Sputum Microscopy	No	<p>(1) Sputum is not done in Register but done in Union Web Database for the following TB patients: (MGN/ 00 95 / 22 MGN/ 0 137 / 22)</p> <p>(2) The following patient's sputum date are not consistent between Register and Union Web database: (MGN/ 00 72 / 22 MGN/ 00 75 / 22 MGN/ 00 95 / 22 MGN/ 0 137 / 22)</p> <p>(3) The following patient's sputum results are not consistent between Register and Union Web database: (MGN/ 00 72 / 22 MGN/ 00 95 / 22 MGN/ 0 175 / 22)</p>	<p>(1)To correct the hard register for : MGN/ 00 95 / 22 MGN/ 0 137 / 22</p> <p>(2)-To correct in hard register for: MGN/ 00 72 / 22 MGN/ 00 95 / 22 MGN/ 0 137 / 22 -To correct the Union database by FO for: MGN/ 00 72 / 22</p> <p>(3)To correct the hard register for: MGN/ 00 72 / 22 MGN/ 00 95 / 22 MGN/ 0 175 / 22</p>
	f. If Conclusion is TB or MDRTB, CXR	No	<p>(1) The following patient's CXR results are not consistent with Register and Union Web Database (MGN/ 0 184 / 21 MGN/ 0 185 / 21 MGN/ 00 26 / 22 MGN/ 00 95 / 22)</p> <p>(2) The following patient's CXR date are not consistent with Register and Union Web Database (MGN/ 00 59 / 22 MGN/ 00 64 / 22 MGN/ 00 95 / 22 MGN/ 0 175 / 22 MGN/ 0 238 / 22 (3) MGN/ 0 292 / 22)</p>	<p>(1)-To correct the hard register for: MGN/ 00 26 / 22 MGN/ 00 95 / 22 -To update on Union web database by FO for: MGN/ 0 184 / 21 MGN/ 0 185 / 21</p> <p>(2)-To correct the hard register for: MGN/ 00 59 / 22 MGN/ 00 64 / 22 MGN/ 00 95 / 22 MGN/ 0 175 / 22 MGN/ 0 238 / 22 -To correct the Union web database by FO for: MGN/ 0 292 / 22</p>
	g. If Conclusion is TB or MDRTB, GXP	Yes		
	h. If Conclusion is TB or MDRTB, Tuberculin Skin Test	Yes		
	i. If Conclusion is TB or MDRTB FNAC	Yes		

	j. If Conclusion is TB or MDRTB, Culture	Yes		
	k. If Conclusion is TB or MDRTB, Drug sensitivity Test	Yes		
	l. Conclusion	Yes		
	m. If Conclusion is TB or MDRTB Smoking status	No	The Smoking status in the following patients are not consistent between Register and Union Web database: (MGN/ 0 170 / 21 MGN/ 0 176 / 21 MGN/ 0 181 / 21 MGN/ 000 7 / 22 MGN/ 00 39 / 22 MGN/ 00 68 / 22 MGN/ 00 70 / 22 MGN/ 00 75 / 22 MGN/ 0 137 / 22 MGN/ 0 138 / 22 MGN/ 0 213 / 22 MGN/ 0 231 / 22 MGN/ 0 266 / 22 MGN/ 0 290 / 22 MGN/ 0 292 / 22 MGN/ 0 363 / 22)	-To correct the hard register for: MGN/ 0 181 / 21 MGN/ 000 7 / 22 MGN/ 00 39 / 22 MGN/ 0 137 / 22 MGN/ 0 138 / 22 MGN/ 0 213 / 22 MGN/ 0 363 / 22 -To update on Union Web database by FO for : MGN/ 0 170 / 21 MGN/ 0 176 / 21 MGN/ 00 68 / 22 MGN/ 00 70 / 22 MGN/ 00 75 / 22 MGN/ 0 231 / 22 MGN/ 0 266 / 22 MGN/ 0 290 / 22 MGN/ 0 292 / 22
	n. If Conclusion is TB or MDRTB Urban (Ward)/ Rural (Village)	No	The Urban rural status is not consistent in web and Union Web database (MGN/ 0 178 / 21 MGN/ 0 184 / 21 MGN/ 00 21 / 22 MGN/ 00 25 / 22 MGN/ 00 26 / 22 MGN/ 00 70 / 22)	-To correct the hard registers for : MGN/ 0 178 / 21 MGN/ 0 184 / 21 MGN/ 00 21 / 22 MGN/ 00 25 / 22 MGN/ 00 26 / 22 MGN/ 00 70 / 22
4. DOTS register				
4.1	No of patients in the register are the same with No of DOTS patients in the electronic database of the Union.	Yes	Check the DOTS register from August,2019 since prior register is at the NTP Office.	
4.2	The following variables in DOTS Registers are consistent with that of electronic database of the Union.			
	a. Name	Yes		
	b. Age	Yes		
	c. Sex	Yes		
	d. TB Code	No	One patient's code is Union/MGN/22/013 in Union Web Database and Union/MGN/22/010 in DOT register and DOTS card.	22/13 is correct
	e. DOT supervision start date	No	The following patient's DOT supervision start date are not	To correct in Web by DA.

			consistent between Register and Union Web Database: (20/270 20/351 Union/MGN/21/006)	
	f. Outcomes	No	The following patients' Outcomes are not consistent between Registers and Union Web Database: (19/419 19/430 20/304)	To correct in Web by DA.
5.DOT Card and DOT register (If DOT card are still using and present)				
5.1	The following variables DOTS Cards are consistent with that of Register. To write the checked code-			
	a. Name	Yes		
	b. Age	Yes		
	c. Sex	Yes		
	d. TB Code	Yes		
	e. DOT supervision start date	Yes		
	f. Outcomes	Yes		
6. Volunteer Training Information Sheet				
6.1	No. of trained volunteers in the volunteer training information sheet at field sites consistent with electronic database of The Union.	No	Vol Thanda and Khaing Khaing's Type of training (January,2022) are New in hard copy but on job in Union Web Database.	To correct the hard copy as on job.
7.Sputum collection center reports and registers				
7.1	Data in SCC report hard copies are consistent with electronic Database of the Union	Yes		
7.2	Data in SCC report hard copies are consistent with SCC registers.	Yes		
8. TB-DM register				
8.1	No of patients in the register are the same with No of patients in the electronic database of the Union.		No Activity in Myingyan.	
8.2	The following variables in 10 % of patient in TB DM register are consistent with that of Register.		No Activity in Myingyan.	
	a. Name		No Activity in Myingyan.	
	b. Age		No Activity in Myingyan.	
	c. Sex		No Activity in Myingyan.	
	d. TB Code		No Activity in Myingyan.	
	e. Known DM		No Activity in Myingyan.	
	f. RBG (1 st time)		No Activity in Myingyan.	
	g. RBG (2 nd time)		No Activity in Myingyan.	

	h. FBG (3 rd time)		No Activity in Myingyan.	
	i. Refer		No Activity in Myingyan.	
	j. DM Diagnosis		No Activity in Myingyan.	
9.TB Tobacco Register				
9.1	No of patients in the register are the same with No of patients in the electronic database of the Union.		No Activity in Myingyan.	
9.2	The following variables in 10 % of patient in TB Tobacco register are consistent with that of Register.		No Activity in Myingyan.	
	a. TB Code		No Activity in Myingyan.	
	b. Name		No Activity in Myingyan.	
	c. Age		No Activity in Myingyan.	
	d. Sex		No Activity in Myingyan.	
	e. Type of TB depending on Bac Status		No Activity in Myingyan.	
	f. Month 0_Smoking Yes/No		No Activity in Myingyan.	
	g. Month 0_If Yes, Time after waking to first cigarette		No Activity in Myingyan.	
	h. Month 0_Status of exposure to smoking inside the home		No Activity in Myingyan.	
	i. Month 2/3_Smoking Yes/No		No Activity in Myingyan.	
	j. Month 2/3_If Yes, Time after waking to first cigarette		No Activity in Myingyan.	
	k. Month 2/3_If Smoking "Yes" in previous visit, Status of smoking for this follow up To skip for T/I patient		No Activity in Myingyan.	
	l. Month 2/3_Status of exposure to smoking		No Activity in Myingyan.	

	inside the home			
	m. Month 5_Smoking Yes/No		No Activity in Myingyan.	
	n. Month 5_If Yes, Time after waking to first cigarette		No Activity in Myingyan.	
	o. Month 5_If Smoking "Yes" in previous visit, Status of smoking for this follow up To skip for T/I patient		No Activity in Myingyan.	
	p. Month 5_Status of exposure to smoking inside the home		No Activity in Myingyan.	
	q. Month End_Smoking Yes/No		No Activity in Myingyan.	
	r. Month End_If Yes, Time after waking to first cigarette		No Activity in Myingyan.	
	s. Month End_If Smoking "Yes" in previous visit, Status of smoking for this follow up To skip for T/I patient		No Activity in Myingyan.	
	t. Month End_Status of exposure to smoking inside the home		No Activity in Myingyan.	
10	Others			
10.1	Sot copies of M&E reports	No	(1) 2015,2016,2017,2018,2019, and 2021_December Reports not found in the staff's laptop.	To keep the M&E reports as recommended in the latest MEAL manual.

Summary findings

- (1) The registers, reports and other hard copies prior to February 2021 were left at the Myingyan NTP office.
- (2) No major error was found relating to the output indicator. Inconsistencies found in variables (Smoking Status and Rural/Urban) relating to disaggregation were found.

- (3) Inconsistencies are found in variables relating to process indicators (Sex in presumptive patients , CXR and Sputum dates, DOTS outcomes)
- (4) TB codes are not recorded in the recommended format.
- (5) The updates in variables were not informed to MEAL Units.
- (6) Data confidentiality need to be strengthened.
- (7) The M&E reports from start of project not found at the project site.
- (8) Soft copies of M&E reports are not save as recommended in the MEAL Manual.
- (9) The registers, reports and records are not kept in the locked cupboard. **The cupboards procured are not convenient for keeping of registers, reports and records since the cupboards are too small.**
- (10) No Meal Manual is found at the project site.
- (11) **Field Officer is good in communication, coordination and management of project.**

Recommendation for action

- (1) To update the registers and reports according to the “Actions needed to be taken”.
- (2) To keep the Registers, Reports and Records in locked cupboard.
- (3) To inform the MEAL unit if there are updates relating to variables.
- (4) To check the variables for data consistencies every month.
- (5) To print out FO reports from start of project at Myingyan and keep the hard copy.
- (6) To request the FO reports from start of project and keep at project site.
- (7) Monthly project reports must be systematically stored in a specific folder (Arranged by year) in D drive.
e.g. 📁 Monthly project report → 📁 2019→1. MGN_Jan2020_MPR_07012019
- (8) To protect the staff laptop with password.
- (9) To keep the latest M&E Manual at the project site.

Report submitted

To	Dr. Ko Ko Htwe (Senior Technical Advisor TB)
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Submitted by:

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11/18/2022