Programmatic Implementation of Shorter TPT Regimens: The Experience of the Republic of Moldova











РЕГИОНАЛЬНЫЙ СЕМИНАР ПО ВОПРОСУ УСКОРЕННОГО ВНЕДРЕНИЯ

РУКОВОДСТВА ВОЗ ПО ПРОФИЛАКТИКЕ И ДИАГНОСТИКЕ ТУБЕРКУЛЕЗА И ЛЕЧЕНИЮ ТУБЕРКУЛЕЗА С ЛЕКАРСТВЕННОЙ УСТОЙЧИВОСТЬЮ (ЛУ-ТБ)

REGIONAL WORKSHOP ON ACCELERATED IMPLEMENTATION OF WHO GUIDELINES

ON TB PREVENTION, DIAGNOSIS, AND DRUG-RESISTANT TB (DR-TB) TREATMENT









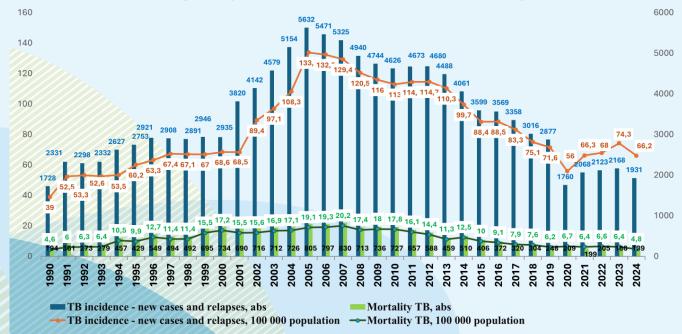
Government Decision No. 107 of February 23, 2022, approving the National Tuberculosis Response Program for 2022–2025

Objective 1: Ensure systematic screening for active TB of at least 90% of contacts and at least 90% of TB high-risk groups by the end of 2025 by providing universal access to systematic screening for TB contacts and high-risk groups, including children.

Objective 5: Reduce TB transmission in the community through preventive measures, including the scale-up of TB preventive treatment among people living with HIV, adult and child contacts of TB patients, and ensuring at least 95% Bacillus Calmette—Guérin (BCG) vaccination coverage among newborns.



TB incidence - new cases and relapses, mortality from TB, Republic of Moldova, 1990-2024 years, (absolute numbers and 100 000 population)



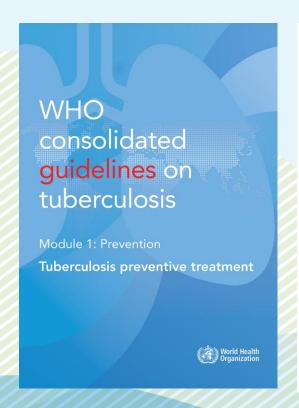


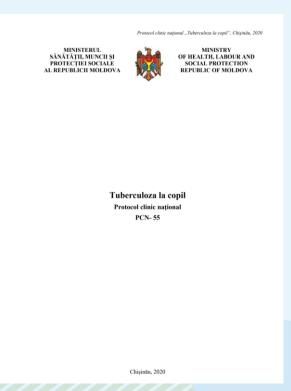




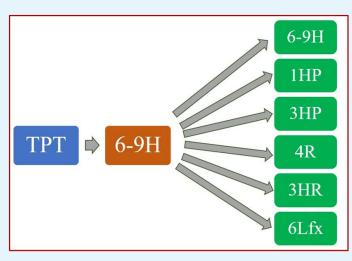


Programmatic Implementation of Shorter TPT Regimens









- Ministry of Health Order No. 440 of May 5, 2020, approving the National Clinical Protocol «Tuberculosis in Children»
- Ministry of Health Order No. 441 of May 5, 2020, approving the National Clinical Protocol «Tuberculosis in Adults»

Development of the National Guideline on Systematic Tuberculosis Screening and Preventive Treatment









Assessment of National Routine Tuberculosis Screening Data in the Republic of Moldova

Identification of target population groups at increased risk of TB infection and disease

Definition of groups eligible for systematic tuberculosis screening

Three main TB screening algorithms were established for implementation in the Republic of Moldova

Identification of groups eligible for systematic screening of TB infection (TBI) and provision of tuberculosis preventive treatment (TPT)

Management plan for individuals based on the selected TPT regimen

NN	Группа (категория) населения	Подгруппа (подкатегория) (при наличии)	Подлежат систематическому скринингу на туберкулез?	Подлежат систематическому тестированию на ТБИ?	Подлежат профилактическому лечению туберкулеза?	
А. Лі	оди с повышенным риском экспозі	иции с возбудителями туберкул	lesa			
1.	Люди из очагов контакта по туберкулезу					
	- б <i>ытовой (домашний</i> ,	- дети до 5 лет	_ При	Не обязательно	Да	
	семейный) очаг контакта	- дети старше 5 лет, подростки и взрослые	расследовании в очаге контакта,	Да	При положительном тесте на ТБИ	
	- близкий очаг контакта		возможен повторный скрининг	Да	При положительном тесте на ТБИ	
2.	Люди, лишенные свободы		При первичном поступлении, далее регулярно	Да	При положительном тесте на ТБИ	
3.	Персонал медицинских	- с повышенным риском профессионального заражения туберкулезом	Регулярно	Да	При положительном тесте на ТБИ	
	учреждений	- иные категории медработников		Нет	Нет	
4.	Персонал, работающий в местах лишения свободы	- с повышенным риском профессионального заражения туберкулезом	Регулярно	Нет	Нет	
Б. Лі	оди с биологическими факторами р					
5.	Люди, живущие с ВИЧ		При первичном диагнозе ВИЧ- инфекции, далее регулярно	Не обязательно	Да	
6.	Люди с нелечеными изменениями в легких, обнаруженными при R-ОГК		Регулярно	Нет	Нет	
7.	Люди с хроническими неспецифическими заболеваниями легких		Регулярно	Нет	Нет	
8.	Люди с сахарным диабетом		Регулярно	Нет	Нет	
9.	Люди, начинающие терапию ингибиторами ФНО		1 61,71114116	Да	При положительном тесте на ТБИ	
10.	Люди, находящиеся на диализе		При исключении активного	Да	При положительном тесте на ТБИ	
11.	Люди, готовящиеся к трансплантации органов или пересадке костного мозга		туберкулеза	Да	При положительном тесте на ТБИ	
12.	Люди с силикозом		Регулярно	Да	При положительном тесте на ТБИ	
В. Л	оди со структурными факторами р	иска, ограничивающими доступ	к медицинской помош	ци		
13.	Люди без определенного места жительства		Регулярно	Да	При положительном тесте на ТБИ	
14.	Люди, употребляющие наркотики		Регулярно	Да	При положительном тесте на ТБИ	
15.	Люди, злоупотребляющие алкоголем		Регулярно	Нет	Нет	
16.	Люди с психическими расстройствами		Регулярно	Нет	Нет	
17.	Активные курильщики		Регулярно	Нет	Нет	
18.	Мигранты (внешние)		Регулярно	Нет	Нет	









Implementation of the National Guideline on TB Screening and TPT

- The National Guideline "Organization and Implementation of Systematic Tuberculosis Screening and Preventive Treatment" approved by the Ministry of Health — May 2023
 - https://simetb.ifp.md/Download/oficial docs/Ordin MS 2023 05 31 nr 481.pdf
- Capacity-building workshops launched in July 2023, based on MoH
 Order:
 - ✓ **Joint training sessions** with participation from:

 Phthisiopneumology service, Public health specialists, Primary healthcare providers, NGOs from all regions of the Republic of Moldova
 - ✓ Specialized training for healthcare workers in the penitentiary system
 - ✓ A total of 45 training workshops were organized 1 577 individuals trained
- Revised and Approved Clinical Protocols:
 - ✓ Order No. 970 of 03/11/2023 Approval of the National Clinical Protocol "Tuberculosis in Children", 5th edition
 - ✓ Order No. 121 of 31/01/2024 Approval of the National Clinical Protocol "Tuberculosis in Adults", 6th edition















Development of Information Materials











- https://youtu.be/X_bo6P_qAag?si=LCNzxDnJ7B_-G0Qj
- https://youtu.be/Q5SPXUDlBfM?si=zvAsuX7KAbtC55RF
- https://youtu.be/ScNxjFI_k-g?si=V7yUr175BoUL3uCU
- https://youtu.be/4eOoLRlN7ks?si=YdIPgt0UzQ7W4OIm







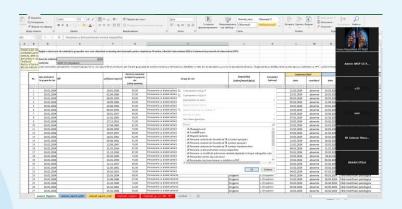


Digital TB Register & Capacity Building

- As per Circular No. 01/24-83 (May 30, 2024) of the National Health Insurance Company (CNAM), an Excel-based register was developed by the National TB Program Coordination Department for reporting TB risk group screening and preventive treatment by PHC providers.
- The register is now integrated into SIME TB, currently in its final development phase.
- Online and in-person trainings were conducted for PHC and TB specialists across the country on data entry and reporting.
- Continuous support was provided to territories for error correction and data accuracy.
- Monitoring visits were conducted in the territories to assess the implementation of the register and provide practical support.
- With WHO support, training session were organized on WHO recommendations for TB preventive treatment. (MoH Order No. 455 of 08/10/2024)



Raportal examinatii ermorilor de risc arivind screenine al sistematic neutra denistarea IR. IIB si realizarea tratamentulai preveniv al IR la ADULTI													
×		Numär de personne eligibile pentru screening	Examinați clinic	Examinați radiologic	persoane cu suspecție la TB	diagnosticate cu TB	confirmată, care	personne examinate pentru ITB (TCT)	Numär de personne care au fost testate (TCT) cu rezultat pozitis la ITB	Namar de persoane eligibile pentru tratament preventis al TB (TPT)	personne care au	care su finisat currul	Rata de acuperire cu ocreening a grupei de rise, %
	Persoane contacte din focarele de TB	2	2	2	0	0	0	0	0	0	0	0	
	-contact Intradomiciliar	0	0	0	0	0	0	0	0	0	0	0	400.00
	-contact apropiat	2	2	2	0	0	0	0	0	0	0	0	100%
	Persoane private de libertate	0	0	0	0	0	0	0	0	0	0	0	40010
	Personalul din instituțiile medicale (=3.1+3.2)	19	18	15	0	1	1	0	0	0	0	0	79%
81.	-cu risc sporit de inflecture cu TB la locul de muncă	10	10	10	0	1	1	0	0	0	0	0	100%
	-alte categorii de lucrători medicali	9	8	5	0	0	0	0	0	0	0	0	85
	Personalul angajat în locurile privative de libertate - cu risc sperit de infectare cu TB la locul de	3	3	3	0	0	0	0	0	0	0	0	1074
	Persoanele care traiesc cu HIV	7	7	1	0	0	0	0	0	0	0	0	98
۰	Persoane cu medificări pulmonare netratate depistate în timpul radiografiei cutiei toracice	38	24	10	0	0	0	0	0	0	0	0	38
7	Persoane cu boli pulmonare cronice nespecifice	66	61	41	0	0	0	0	0	0	0	0	65
	Persoanele cu diabet zaharat	132	122	70	0	0	0	1	0	0	0	0	85
	Persoanele care încep terapia cu inhibitori ai ENT	13	11	5	0	0	0	0	0	0	0	0	38
	Persoanele tratate prin dializă	3	3	3	0	0	0	0	0	0	0	0	10%
	Persoanele care se pregătesc de un transplant de organe sau măduvă osoasă	0	0	0	0	0	0	0	0	0	0	0	NGE TO
	Persoanele care suferă de silicoză	0	0	0	0	0	0		0	0	0	0	H\$5.00
	Persoanele fără adăpost	0	0	0	0	0	0	0	0	0	0	0	40ETO
	Persoanele care consumá droguri	0	0	0	0	0	0	0	0	0	0	0	4000
	Persoanele care fac abuz de alcoel	19	13	5	1	1	1	0	0	0	0	0	38%
	Persoanele cu tulburări de sănătate mintală	44	35	16	0	0	0	0	0	0	0	0	38%
	Fumátori activi	59	59	54	0	0	0	0	0	0	0	0	10%
	Migranți (externi)	48	48	48	0	0	0	0	0	0	0	0	100%
1	TOTAL	453	406		1	2	2	1	0	0	0	0	











Challenges and Solutions in Implementing TPT

Challenges

- Low motivation among asymptomatic individuals
- Insufficient engagement of healthcare workers
- Parental resistance
- Refusal of TPT among people living with HIV (treatment fatigue)

Solutions

- Motivational counseling, clear and simple prevention messages, tailored approach for different target groups
- Training on TPT, integration of TPT into clinical protocols
- Development of user-friendly informational materials, trust-based consultations, active role of pediatricians
- Individualized approach, emphasis on the importance of TPT alongside antiretroviral therapy
- Engagement of NGOs

THANK YOU! CПАСИБО!









