



# TUBERCULOSIS PROFILE FY 2076/77

Estimates of TB burden, 2075/76 <sup>1</sup>	Number	Rate (per 100000 Population)
Total TB incidence	68000	238 (141-359)
HIV positive TB incidence	490	1.7(1-2.6)
MDR/RR-TB incidence	2200	7.6 (3.1-14)
HIV negative TB mortality	17000	58 (32-92)
HIV positive TB mortality	220	0.77 (0.45-1.2)

Estimated proportion of TB cases with MDR/RR-TB, 2076/77 <sup>1</sup>		
New cases		2.2% (1.1-3.6)
Previously treated cases		15% (9.6-22)

TB case notifications, 2076/77 <sup>2</sup>	
Total new and relapse	27232
<ul style="list-style-type: none"> <li>% tested with rapid diagnostics at time of diagnosis</li> <li>% with known HIV status</li> <li>% pulmonary</li> <li>% bacteriologically confirmed</li> <li>% children aged 0-14 years</li> <li>% women</li> <li>% men</li> </ul>	57% 51% 68% 54% 6.0% 37% 63%
Total cases notified	27745

Universal health coverage and social protection <sup>1</sup>	
TB treatment coverage (notified/estimated incidence), 2075/76	46% (31-78)
TB patients facing catastrophic total costs	
TB Case fatality ratio (estimated mortality/estimated incidence), 2075/76	26% (11-45)

TB/HIV care in new and relapse TB patients, 2076/77 <sup>2</sup>	Number	(%)
Patients with known HIV-status who are HIV-positive on antiretroviral therapy	123	0.9%
	113	92%

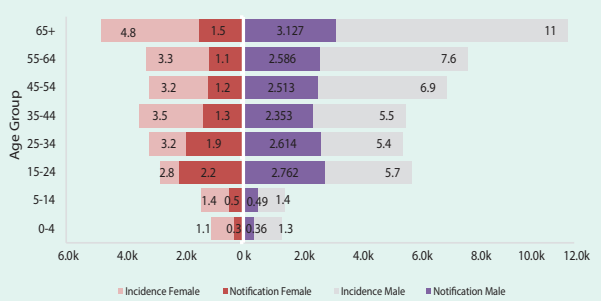
Drug-resistant TB care, 2076/77 <sup>3</sup>	
% of bacteriologically confirmed TB cases tested for rifampicin resistance	
New cases	59%
Previously treated cases	67%
Laboratory-confirmed cases	MDR/RR-TB: 509, XDR-TB: 8
Patients started on treatment	MDR/RR-TB:376, XDR-TB: 8
MDR/RR-TB cases tested for resistance to second-line drugs	315

Treatment success rate and cohort size <sup>2</sup>	Success	Cohort
New and relapse cases registered in 2075/76	89%	30,464
Previously treated cases, excluding relapse, registered in 2075/76	88%	1,128
MDR/RR-TB cases started on second-line treatment in 2074/75	75%	328
XDR-TB cases started on second-line treatment in 2074/75	67%	6

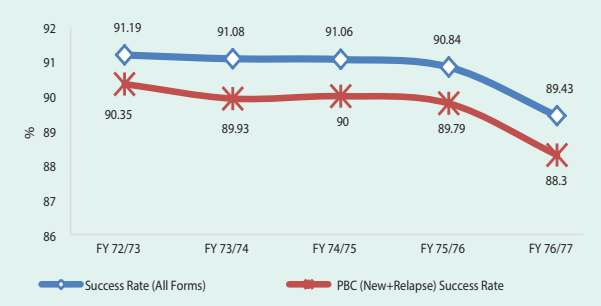
TB preventive treatment, 2076/77 <sup>3</sup>	
% of children (aged <5) household contacts of bacteriologically-confirmed TB cases on preventive treatment	89%

TB financing, 2076/77	Funding Source	(NPR Million)
National TB budget	Nepal GoV:	869.71
	Global Fund	972.47
	WHO and other Partners	7.27

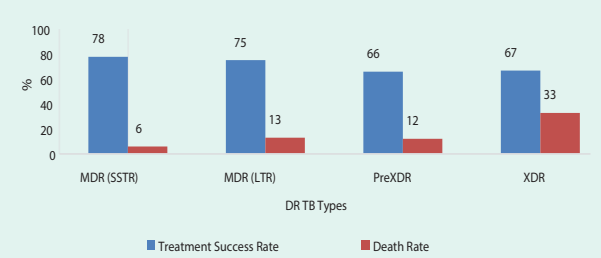
Estimated Incidence and Notified Cases by age group and Sex



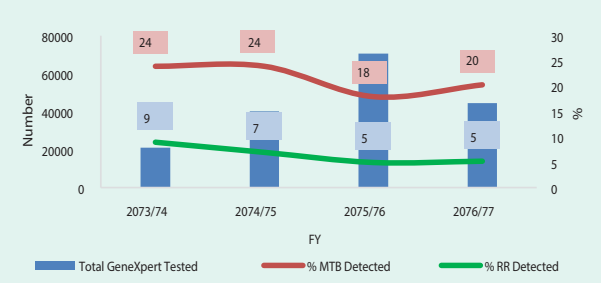
Treatment Success Rate



DR TB Treatment outcome 2076/77



Rate of yield of MTB cases from GeneXpert and proportion of RR TB



Microscopy Positivity Rate



## BURDEN OF TB IN NEPAL

**27,745** TB cases Notified in NTP (2020)

TB is the **top ten leading** causes of death in Nepal

Almost **half** of Nepal's population are infected with TB

**Every Year** (Estimated)

**68,000** New TB Cases

**Male: 67%**

**Female: 33%**

**36,500** TB Cases Missed

**17,000** Death

**Each Day** (Estimated)

**189** New TB Cases

**101** TB Cases Missed

**47** Deaths

<sup>1</sup> Data Source: Global TB Report, 2020, WHO

<sup>2</sup> Data Source: HMIS Report, DoHS, GoN

<sup>3</sup> Data Source: NTP MIS

# TB FACT SHEET

FY 2076/77



Program Indicators	National Level				FY 2076/77 by Province						
	2073/74	2074/75	2075/76	2076/77	1	2	Bagmati	Gandaki	Lumbini	Karnali	Sudurpaschim
<b>Number of Service Sites</b> <sup>2,3</sup>											
DOTS Center	4221	4323	4382	4955	818	848	951	582	923	361	472
MDR Treatment Centers	18	21	21	22	4	3	2	3	3	2	5
MDR Treatment Sub-Centers	81	86	81	81	12	18	24	10	13	2	2
DR Homes	1	1	1	1	-	-	-	1	-	-	-
DR Hostel	6	6	6	6	1	1	1	-	2	-	1
Microscopy Centers	604	624	604	765	102	114	142	88	151	36	132
GeneXpert Facility	27	55	56	72	11	13	17	6	14	4	7
Culture Labs and DST	2	2	2	2	-	-	2	-	-	-	-
Line Probe Assay (LPA)	2	2	2	2	-	-	2	-	-	-	-
<b>TB Case Notification</b> <sup>2</sup>											
Case Notification Rate (All Forms of TB)	111	112	109	93	78	92	103	79	112	69	94
Case Notification Rate (PBC New and Relapse)	59	62	62	50	39	54	50	42	62	32	56
<b>Types of TB</b> <sup>2</sup>											
PBC	17354	18438	18490	15171	1980	3402	3242	1062	3201	593	1691
PCD	5216	4499	4171	3816	485	959	707	290	855	220	300
EP	9194	9537	9382	8758	1363	1348	2637	625	1609	430	746
New and Relapse TB Cases (Incidence)	30957	31723	31397	27232	3758	5620	6446	1938	5593	1209	2668
<b>Distribution By Age and Sex (%)</b> <sup>2</sup>											
Female	36	37	36	37	36	37	39	36	37	36	33
Male	64	63	64	63	64	63	61	64	63	64	67
Child (0-14)	5.6	5.5	5.5	6.0	4.7	6.9	4.5	4.0	6.6	15.3	6.0
Age Group (15-64)	79.6	80	76.6	76.8	80.9	72.9	83.3	76.1	72.3	71.6	75.6
Age Group (65+)	14.8	14.5	17.9	17.2	14.4	20.2	12.2	19.8	21.1	13.1	18.4
<b>Contribution by Sectors (%)</b> <sup>2,3</sup>											
Community	21	20	18	19	18	36	18	15	11	13	7
Private	23	19	18	22	37	17	25	23	19	26	12
<b>TB/HIV (%)</b>											
Total HIV Test	54	67	69	51	43	43	41	61	67	34	68
Total Positive	1.3	0.9	0.7	0.9	0.4	0.6	1.2	1.2	0.7	1.2	1.3
Total ART enrollement	93	94	97	92	71	86	94	100	85	100	100
<b>Microscopic Examination</b> <sup>2</sup>											
Presumptive Examined	172588	196362	207964	155371	22589	35284	22698	12483	35617	8037	18663
Sputum Positive	13170	12062	10672	8442	1302	2207	1173	391	2000	291	1078
Positivity Rate (%)	7.6	6.1	5.1	5.4	5.8	6.3	5.2	3.1	5.6	3.6	5.8
# Performing <300 test Per Year				642	85	85	126	77	120	28	121
# Performing >= 300 test Per Year				123	17	29	16	11	31	8	11
<b>GeneXpert Test</b> <sup>3</sup>											
Total Test performed	21077	40159	70749	47879	7412	3432	13765	3431	12597	1783	5459
MTB Notified	5220	9897	12874	9060	1253	826	2549	670	2512	258	992
Rif Resistance Detected	451	641	606	476	79	46	123	37	120	9	62
GeneXpert Utilization Rate (%)	23	21	37	19	15	8	21	18	28	13	24
Positivity Rate (%)	25	25	18	19	17	24	19	20	20	14	18
<b>Treatment Outcome (%)</b>											
Treatment Success Rate	91	91	91	89	90	91	87	91	91	86	88
Death Rate	3	3	3	3.3	2.7	3.2	2.1	3.4	4.8	3.8	4.5
<b>DR TB Case Notification</b> <sup>3</sup>											
MDR - Shorter Regimen	343	354	232	224	44	54	17	11	54	4	40
MDR - Longer Regimen			75	84	18	9	31	20	3	0	3
PRE_XDR	86	46	71	68	15	9	17	3	16	0	8
XDR	19	20	14	8	1	2	2	1	2	0	0
<b>DR TB Treatment Outcome (%)</b> <sup>3</sup>											
Treatment Success Rate	70	67	70	75	78	62	76	79	76	-	77
Death Rate	18	17	15	10	4	8	8	13	13	-	10

<sup>2</sup> Data Source: HMIS Report, DoHS, GoN

<sup>3</sup> Data Source: NTP MIS

