

**S1 Table: Characteristics of the selected health care facilities and TB cases notified in 2016**

	Province	Health Care facility				Diagnostic Facility		TB-Register	ALL TB Cases (n)	Total PTB	Extra Pulmonary TB			
		Code	District	Health care provider	Health care Tier	Gxpert	H/P				(n)	%	Site specified	
													(n)	(%)
1	PJB	p-1	Lahore	Public	THC	Yes	Yes	Paper	1523	510	1013	66.5%	768	75.8%
2	PJB	p-2	Sargodha	Public	SHC	Yes	No	Paper	2022	1444	578	28.6%	536	92.7%
3	PJB	p-3	Lahore	Public	PHC	No	No	Paper	840	636	204	24.3%	172	84.3%
4	PJB	p-4	Sahiwal	Public	PHC	No	No	Paper	251	173	78	31.1%	74	94.9%
5	PJB	p-5	Lahore	Private	THC	Yes	Yes	Elect	7253	6102	1151	15.9%	1149	99.8%
6	PJB	p-6	Bahawalnagar	Private	GP	No	No	Elect	1122	956	166	14.8%	166	100.0%
7	PJB	p-7	Bahawalpur	Private	GP	No	No	Elect	426	408	18	4.2%	18	100.0%
8	PJB	p-8	Faisalabad	Private	GP	No	No	Elect	1981	1482	499	25.2%	498	99.8%
9	PJB	p-9	Gujrat	Private	GP	No	No	Elect	226	215	11	4.9%	11	100.0%
10	PJB	p-10	Lahore	Private	GP	No	No	Elect	3288	2409	879	26.7%	807	91.8%
11	PJB	p-11	Muzaffargarh	Private	GP	No	No	Elect	1197	767	430	35.9%	430	100.0%
12	PJB	p-12	Rawalpindi	Private	GP	No	No	Elect	979	694	285	29.1%	280	98.2%
13	PJB	p-13	R.Y. Khan	Private	GP	No	No	Elect	1634	1472	162	9.9%	158	97.5%
14	PJB	p-14	Shaikhupura	Private	GP	No	No	Elect	788	682	106	13.5%	50	47.2%
15	SND	S-1	Larkana	Public	THC	Yes	Yes	Paper	1169	802	367	31.4%	298	81.2%
16	SND	S-2	Karachi	Public	THC	Yes	Yes	Paper	1145	839	306	26.7%	301	98.4%
17	SND	S-3	Jamshoro	Public	SHC	Yes	NO	Paper	4036	3425	611	15.1%	610	99.8%
18	SND	S-4	Hyderabad	Public	SHC	No	NO	Paper	358	172	186	52.0%	186	100.0%
19	SND	S-5	Khairpur	Public	SHC	No	NO	Paper	1450	1201	249	17.2%	236	94.8%
20	SND	S-6	Karachi	Public	PHC	Yes	NO	Paper	882	735	147	16.7%	144	98.0%
21	SND	S-7	Khairpur	Public	PHC	No	NO	Paper	239	188	51	21.3%	51	100.0%
22	SND	S-8	Karachi	Private	THC	Yes	Yes	Paper	2688	2041	647	24.1%	644	99.5%
23	SND	S-9	Karachi	Private	GP	No	NO	Excel	2722	1947	775	28.5%	769	99.2%
24	SND	S-10	Hyderabad	Private	GP	No	NO	Excel	439	359	80	18.2%	80	100.0%
25	SND	S-11	Sukker	Private	GP	No	NO	Excel	680	585	95	14.0%	94	98.9%
26	KP	K-1	Peshawar	Public	THC	Yes	Yes	Paper	256	110	146	57.0%	138	94.5%
27	KP	K-2	Mansehra	Public	THC	No	NO	Excel	423	262	161	38.1%	160	99.4%
28	KP	K-3	Peshawar	Public	SHC	Yes	NO	Excel	1830	808	1022	55.8%	729	71.3%
29	KP	K-4	Mardan	Public	SHC	Yes	NO	Paper	2035	881	1154	56.7%	1037	89.9%
30	KP	K-5	Mardan	Public	PHC	No	NO	Excel	268	173	95	35.4%	80	84.2%
31	KP	K-6	Peshawar	Public	PHC	No	NO	Paper	211	139	72	34.1%	71	98.6%

32	KP	K-7	Peshawar	Private	GP	No	NO	Excel	2779	1499	1280	46.1%	1261	98.5%
33	BTN	B-1	Quetta	Public	THC	No	Yes	Paper	626	227	399	63.7%	394	98.7%
34	BTN	B-2	K.Abdullah	Public	SHC	No	NO	Paper	600	480	120	20.0%	112	93.3%
35	BTN	B-3	Jafferabad	Public	SHC	No	NO	Paper	343	246	97	28.3%	1	1.0%
36	BTN	B-4	Zhob	Public	PHC	No	NO	Paper	542	357	185	34.1%	90	48.6%
47	FATA	F-1	Bajour	Public	PHC	Yes	No	Paper	650	336	314	48.3%	307	97.8%
48	FATA	F-2	Khyber agency	Public	PHC	Yes	No	Paper	288	130	158	54.9%	158	100.0%
42	GB	G-1	Skardu	Public	SHC	No	No	Paper	120	83	37	30.8%	34	91.9%
43	GB	G-2	Skardu	Public	PHC	No	No	Paper	339	226	113	33.3%	111	98.2%
44	GB	G-3	Gligit	Public	PHC	No	No	Paper	347	227	120	34.6%	120	100.0%
45	GB	G-4	Tangir	Public	PHC	No	No	Paper	234	178	56	23.9%	56	100.0%
46	GB	G-5	Challas	Public	PHC	No	No	Paper	653	542	111	17.0%	111	100.0%
37	AJK	A-1	Muzaffrabad	Public	THC	Yes	Yes	Paper	188	104	84	44.7%	78	92.9%
38	AJK	A-2	Kotli	Public	SHC	No	NO	Paper	174	114	60	34.5%	60	100.0%
39	AJK	A-3	Mirpur	Public	SHC	No	NO	Paper	179	124	55	30.7%	54	98.2%
41	AJK	A-4	Muzaffrabad	Public	PHC	No	NO	Paper	310	177	133	42.9%	131	98.5%
40	AJK	A-5	Mirpur	Public	PHC	No	No	Paper	73	58	15	20.5%	15	100.0%
49	ICT	I-1	ICT	Public	THC	No	Yes	Paper	1256	555	701	55.8%	605	86.3%
50	ICT	I-2	ICT	Public	PHC	No	No	Paper	30	22	8	26.7%	8	100.0%
<b>Provincial/Regional summary</b>														
Province /Regions	Study sites	Districts (n)	HCP	HC-Tier	Diagnostic Facility		TB register	All TB	Total PTB	Extrapulmonary TB				
			Pub+Pvt	P+S+T	GX	HP	P+E			(n)	(%)	Site specified		
PJB	14	10	4+10	11+1+2	3	2	4+10	23530	17950	5580	23.7%	5117	91.7%	
SND	11	6	7+4	05+3+3	5	3	8+03	15808	12294	3514	22.2%	3413	97.1%	
KP	7	3	6+1	03+2+2	1	1	3+04	7802	3872	3930	50.4%	3476	88.4%	
BTN	4	4	4+0	01+2+1	0	1	4+0	2111	1310	801	37.9%	597	74.5%	
FATA	2	2	2+0	02+0+0	2	0	2+0	938	466	472	50.3%	465	98.5%	
GB	5	3	5+0	04+1+0	0	0	5+0	1693	1256	437	25.8%	432	98.9%	
AJK	5	3	5+0	02+2+1	1	1	5+0	924	577	347	37.6%	338	97.4%	
ICT	2	1	2+0	01+0+1	0	1	2+0	1286	577	709	55.1%	613	86.5%	
<b>G.total</b>	<b>50</b>	<b>32</b>	<b>35+15</b>	<b>29+11+1 0</b>	<b>12</b>	<b>1</b>	<b>33+17</b>	<b>54092</b>	<b>38302</b>	<b>15790</b>	<b>29.2%</b>	<b>14451</b>	<b>91.5%</b>	

EPTB – Extra pulmonary tuberculosis, PTB-Pulmonary tuberculosis, HCF-Health care facility , HCP-Health care provider, Pub-public , Pvt – private , THC-Tertiary health care, SHC –Secondary health Care, PHC-Primary health care, GP –General Practitioner, GX- GeneXpert , HP- histopathology , PR- Paper register , ER- electronic file , PJB-Punjab, SND- Sind, KP-Khyber Pakhtunkhwa, BTN-Balochistan, AJK -Azad Jammu Kashmir, GB-Gilgit Baltistan, FATA- Federally administered tribal area, ICT-Islamabad capital Territory