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Development



EMPHNET

The Eastern Mediterranean  
Public Health Network



Strengthen Microplanning in High-Risk Union  
Councils

**DISTRICT QUETTA**

Balochistan Province

Pakistan

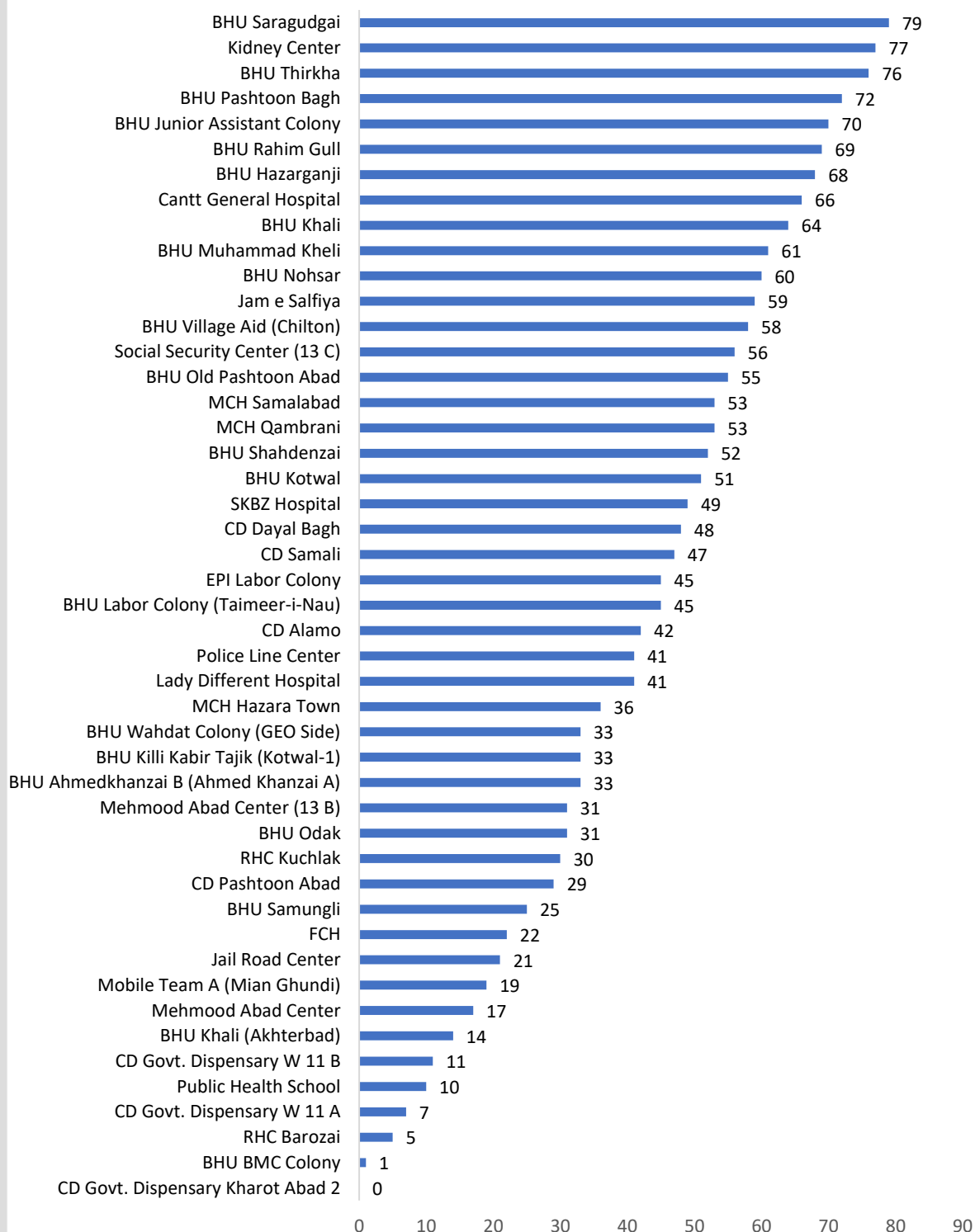
## Acronyms

BHU	Basic Health Unit
CD	Civil Dispensaries
DDHO	Deputy District Health Center
DHO	District Health Center
DHQ	District Headquarter
GHD	Global Health Development
EMPHNET	Eastern Mediterranean Public Health Network
EPI	Expanded Programme on Immunization
EPIMIS	Expanded Programme on Immunization Management Information System
LHS	Lady Health Supervisors
LHW	Lady Health Workers
MCH	Maternal & Child Health Center
RHC	Rural Health Center

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## Penta III Coverage Below 80% in District Quetta



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## **Quetta District**

Quetta district is located in the north-west of the Balochistan province of Pakistan, on the border with Kandahar province, Afghanistan. Its principal town is Quetta, which is also the provincial capital of Balochistan. The district is famous for its agriculture produce, most notably fruit orchards but also including apples and grapes. The district was held in turns by the Ghaznavids, Ghurids, Mongols, and the Mughals throughout history. The district spans an area of 3,447 km<sup>2</sup> and was established in April 1983.

In 1975, Quetta and Pishin were made separate districts. Quetta District today consists of two towns and one sub-tehsil.

1. Panj Pa
2. Quetta City
3. Quetta Saddar

District Quetta was declared as City District in 2001 having three tehsils and 67 Union councils and is represented in the provincial assembly by six constituencies

## District Profile<sup>1</sup>

Population – 2017	2,269,473
Population density	658.39 per Sq. Km.
Rural population	1,270,088
Urban population	999,385
Average Household Size	7.97
Female	1,078,718
Male	1,190,476
Transgender	279
Average Annual Growth Rate (1998 - 2017)	5.81

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<sup>1</sup> <https://www.pbs.gov.pk/content/district-wise-results-tables-census-2017>

## PHC Facilities and human resource in District Quetta

Rural health center (RHC)	4
Basic health unit (BHU)	40
Civil dispensaries (CD)	12
Total No. of PHC facilities (EPI Sites EPIMIS)	74
Doctors at all PHC facilities in RHC, BHUs, CDs	38
Average No. of paramedics at all PHC facilities in RHC, BHUs, CDs	625
No. of vaccinators at all PHC facilities RHC, BHUs, CDs	126
Lady Health Workers (LHWs)	740
Lady Health Supervisors (LHSs)	40
Lady Health Workers (LHWs) trained in Routine EPI	175
Lady Health Workers (LHWs) un-trained in Routine EPI	565

## Union Councils with less than 80% PENTA III Coverage

(Jan - Dec 2021)

S.No	Name of Union Council	PENTA III Coverage Less than 80%
1	Aghbarg	35
2	Ahmad Khanzai A	33
3	Akhtar Abad	14
4	Balali A	59
5	Balali B	53
6	Balali C	69
7	Cantt	72
8	Chiltan	58
9	Geo Side	33
10	Gohar Abad	57
11	Hanna	62
12	Hazara Town	36
13	Hazar Ganji	68
14	Kotwal 1	33
15	Kotwal 2	51
16	Kharot Abad 2	52

17	Kuchlak A	30
18	Kuchlak C	47
19	Mian Ghundi	19
20	Punjpai Camp	61
21	Samungli	25
22	Saragurgai	79
23	Shadanzai	57
24	Tameer Nau	45
25	10 C	21
26	13 B	31
27	13C	56
28	13 D	17
29	13 F	45
30	W 8	45
31	11 A	45

There are 31/50 union councils in Quetta district in which PENTA III coverage was below 80%.

## Health facility wise Pentavalent III Coverage in district Quetta<sup>2</sup>

(Jan-Dec 2021)

S. No.	Type of Health Facility	Target		Pentavalent III	
		Newborns	Surviving Infants	Total	%
1	Benazir Hospital	307	284	390	137
2	BHU Ahmedkhanzai	1706	1580	1918	121
3	BHU Ahmedkhanzai B (Ahmed Khanzai A)	2437	2257	755	33
4	BHU BMC Colony	229	212	2	1
5	BHU Dagari	163	151	155	103
6	BHU G.O.R Colony	629	582	1130	194
7	BHU Hazarganji	1578	1461	997	68
8	BHU Hudda	416	385	1179	306
9	BHU Hunna	309	286	244	85

<sup>2</sup> EMPIS Balochistan



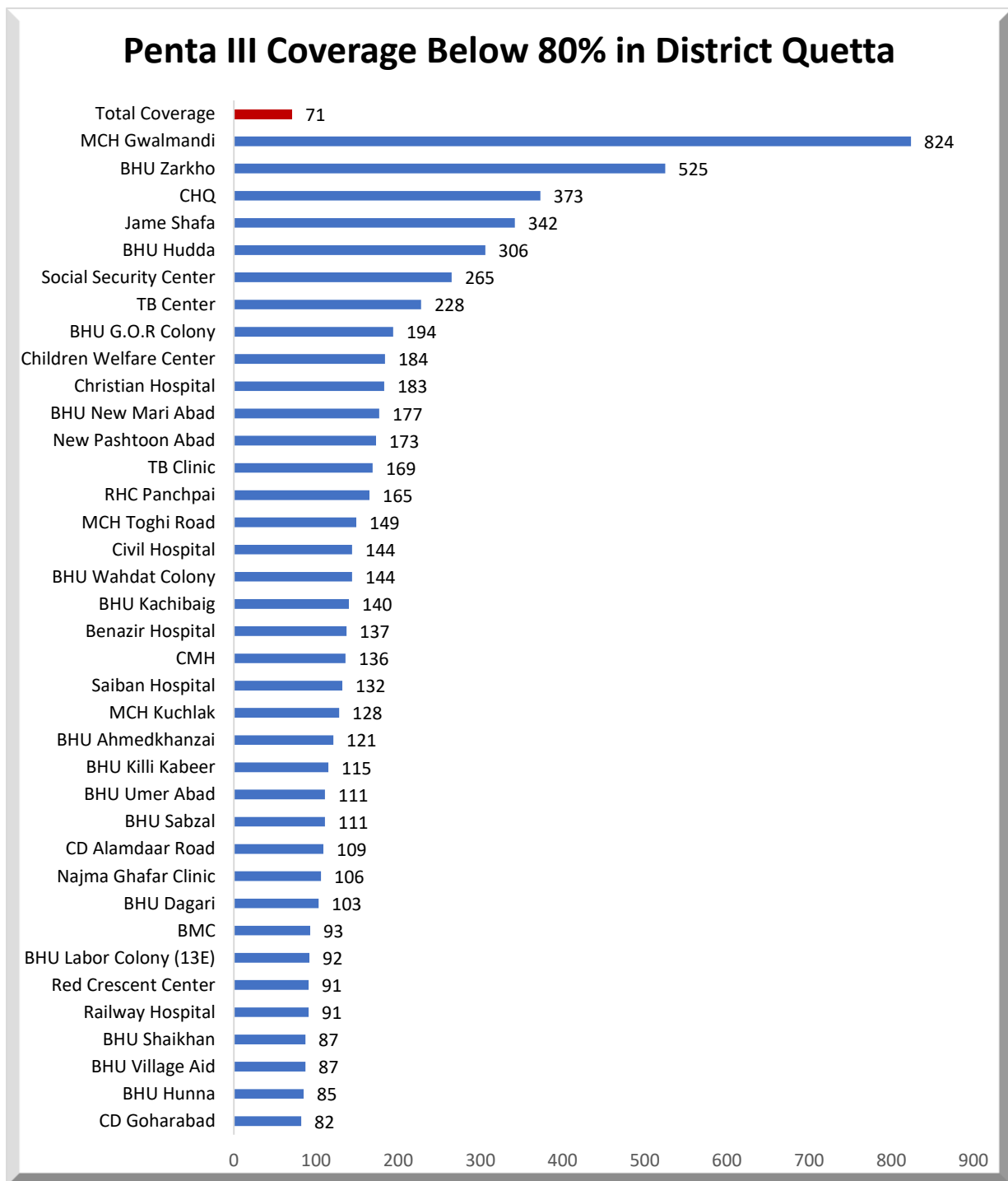
10	BHU Junior Assistant Colony	480	444	312	70
11	BHU Kachibaig	1014	939	1312	140
12	BHU Khali	461	427	274	64
13	BHU Khali (Akhterbad)	1234	1143	162	14
14	BHU Killi Kabeer	1228	1137	1308	115
15	BHU Killi Kabir Tajik (Kotwal-1)	1572	1456	484	33
16	BHU Kotwal	1567	1451	733	51
17	BHU Labor Colony (13E)	1823	1688	1554	92
18	BHU Labor Colony (Taimeer-i-Nau)	2428	2248	1020	45
19	BHU Muhammad Kheli	398	369	226	61
20	BHU New Mari Abad	234	217	384	177
21	BHU Nohsar	528	489	295	60
22	BHU Odak	228	211	66	31
23	BHU Old Pashtoon Abad	2262	2095	1156	55
24	BHU Pashtoon Bagh	1347	1247	898	72
25	BHU Rahim Gull	731	677	465	69
26	BHU Sabzal	627	581	645	111
27	BHU Samungli	2190	2028	503	25
28	BHU Saragudgai	1147	1062	843	79
29	BHU Shahdenzai	811	751	394	52
30	BHU Shaikhan	365	338	293	87
31	BHU Thirkha	195	181	138	76
32	BHU Umer Abad	228	211	234	111
33	BHU Village Aid	1422	1317	1141	87
34	BHU Village Aid (Chilton)	2062	1909	1116	58
35	BHU Wahdat Colony	732	678	974	144
36	BHU Wahdat Colony (GEO Side)	2273	2105	699	33
37	BHU Zarkho	185	171	900	525
38	BMC	1530	1417	1311	93
39	Cantt General Hospital	492	456	300	66
40	CD Alamdaar Road	171	158	172	109
41	CD Alamo	349	323	137	42
42	CD Dayal Bagh	1162	1076	515	48
43	CD Goharabad	309	286	235	82
44	CD Govt. Dispensary Kharot Abad 2	518	480	0	0

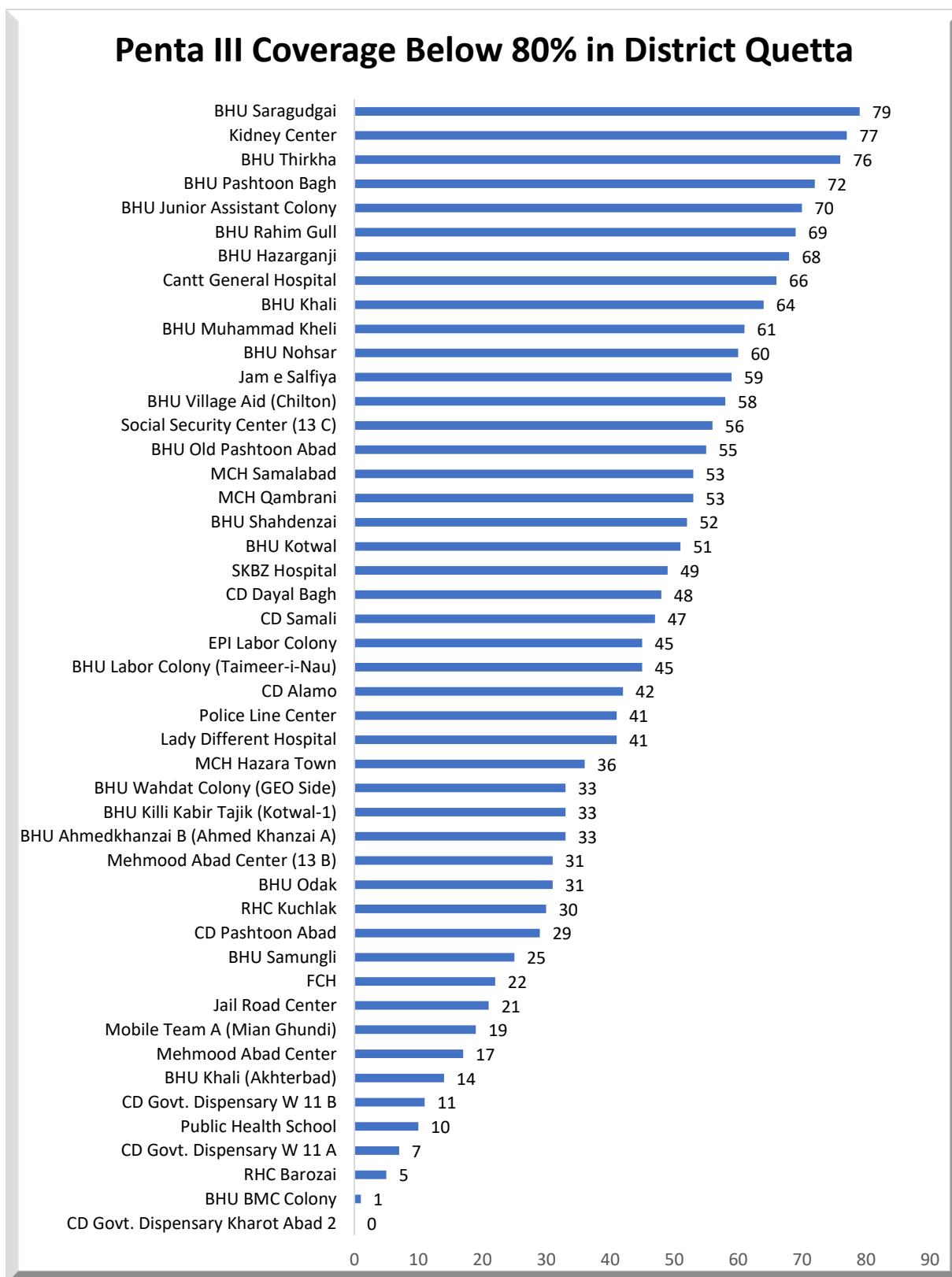
45	CD Govt. Dispensary W 11 A	619	573	42	7
46	CD Govt. Dispensary W 11 B	400	370	42	11
47	CD Pashtoon Abad	807	747	216	29
48	CD Samali	2067	1914	892	47
49	Children Welfare Center	305	282	520	184
50	CHQ	436	404	1506	373
51	Christian Hospital	155	144	262	183
52	Civil Hospital	528	489	704	144
53	CMH	553	512	698	136
54	EPI Labor Colony	2690	2491	1120	45
55	FCH	458	424	92	22
56	Jail Road Center	1316	1219	256	21
57	Jam e Salfiya	968	896	530	59
58	Jame Shafa	324	300	1025	342
59	Kidney Center	1063	984	756	77
60	Lady Different Hospital	846	783	324	41
61	MCH Gwalmandi	102	94	779	825
62	MCH Hazara Town	2469	2286	820	36
63	MCH Kuchlak	1595	1477	1894	128
64	MCH Qambrani	768	711	379	53
65	MCH Samalabad	1224	1133	601	53
66	MCH Toghi Road	92	85	127	149
67	Mehmood Abad Center	2182	2021	337	17
68	Mehmood Abad Center (13 B)	1284	1189	372	31
69	Mobile Team A (Mian Ghundi)	1390	1287	242	19
70	Najma Ghafar Clinic	97	90	95	106
71	New Pashtoon Abad	1064	985	1709	173
72	Police Line Center	325	301	123	41
73	Public Health School	226	209	20	10
74	Railway Hospital	680	630	573	91
75	Red Crescent Center	309	286	260	91
76	RHC Barozai	443	410	19	5
77	RHC Kuchlak	2021	1871	561	30
78	RHC Panchpai	175	162	268	165
79	Saiban Hospital	203	188	248	132

80	SKBZ Hospital	942	872	429	49
81	Social Security Center	340	315	835	265
82	Social Security Center (13 C)	2282	2113	1181	56
83	TB Center	554	513	1169	228
84	TB Clinic	82	76	128	169
<b>Total Coverage</b>		<b>76,461</b>	<b>70,800</b>	<b>50,123</b>	<b>71</b>

According to the EMPIS Balochistan, in district Quetta there are 84 EPI centers. These comprise of 36 basic health units, 3 rural health centers, 9 hospitals, 6 MCH centers, 9 civil dispensaries, as well as 21 other EPI centers. The data reveals that the overall coverage of Pentavalent III in district Quetta is 71%. However, there are 47 health facilities with less than 80% Pentavalent III coverage. The lowest coverage is reported as 0% in CD Govt. Dispensary Kharot Abad 2.

The data in the above-mentioned table is presented in descending order of the PENTA III coverage in Quetta district, in the graph as follows:





## LHWs Involvement in Routine EPI

S. No	Name of Health Facility	Total Attached LHWs	Total Attached LHSs
1	RHC Sorange	0	0
2	RHC Punjpai	0	0
3	RHHC Kuchlak	15	04
4	RHC Barozai	02	0
5	BHU Wahdat colony	21	04
6	BHU Hana/Orak	0	01
7	BHU Dgaree	0	0
8	BHU Valigaid	11	01
9	BHU Samungli/Nohsar	02	01
10	BHU shadanzai	07	01
11	BHU Civil Sectriate	0	0
12	BHU GOR Colony	03	01
13	BHU Killi Khali	08	01
14	BHU Umer Abad	0	0
15	BHU Killi Raheem Gull	0	0
16	BHU Kachi baig	11	02
17	BHU Thirkha	5	0
18	BHU old mari Abad	08	01
19	BHU New Pashtoon Abad	07	0
20	BHU Samungli	04	1
21	BHU Killi Sabzal	04	1
22	BHU Samali	03	01
23	BHU Chachezai punjpai	0	0
24	BHU Almo	0	0
25	BHU Hanna	0	01
26	BHU Nasaran	0	0
27	BHU Zarkhoo	0	0
28	BHU Junior Assistant Colony	06	01
29	BHU Hazar ganji	0	0
30	BHU saragurgai	05	01
31	BHU Hudda	11	01
32	BHU Ahmad khanzai	11	03
33	BHU Muhammad Khail	0	0
34	BHU Killi shiakhan	05	01

35	BHU BMC Complex	0	0
36	BHU Killi Kabir	08	02
37	BHU New Mari Abad	05	01
38	BHU Old Pashtoon Abad	0	0
39	BHU Raigi Nasaran	08	02
40	BHU Hunna Atta Muhammad	0	0
41	BHU Pashtoon Bagh	0	0
42	BHU Kotwal	03	01
43	BHU Police line	03	0
44	BHU Provincial Assembly	0	0
45	CD high Court	0	0
46	CD Hanna	0	0
47	CD Gohar Abad	0	0
48	CD Kachehri (Temporary basis)	0	0
49	CD Laboure Colony (Temporary Basis)	3	0
50	CD Kharot Abad (Temporary Basis)	0	0
51	CD Governor House	0	0
52	CD Pashtoon Abad	4	1
53	CD Usman Killa (Temporary Basis)	0	0
54	CD NAB (Temporary basis)	0	0
55	CD Pashtoon Bagh (Temporary Basis)	0	0
56	CD JUD (Temporary Basis)	0	0
<b>Total =</b>		<b>183</b>	<b>35</b>

The LHW MIS data reveals that there are only 56/84 health facilities in which 183 LHWs are attached. Therefore, the LHW coverage in the district is only limited to 67%.

The sub-optimal level of PENTA III coverage may be attributed to lack of LHWs attachment with the respective health facilities and lack of training in routine EPI. Moreover, lack of and delayed refresher courses in EPI are also noted as one of the contributing factors for updating the knowledge of LHWs in routine EPI.

The monitoring and supervisory role and capacity of Lady Health Supervisors is pertinent for effective service delivery by the LHWs. Therefore, lack of LHSs and lack of their capacity building in monitoring

and supervision for routine EPI adds to the overall improved or poor EPI performance of the Quetta district.

1. Hard core refusals
2. COVID 19 rumors badly disturbed RI activities.
3. Fever after Penta in children.