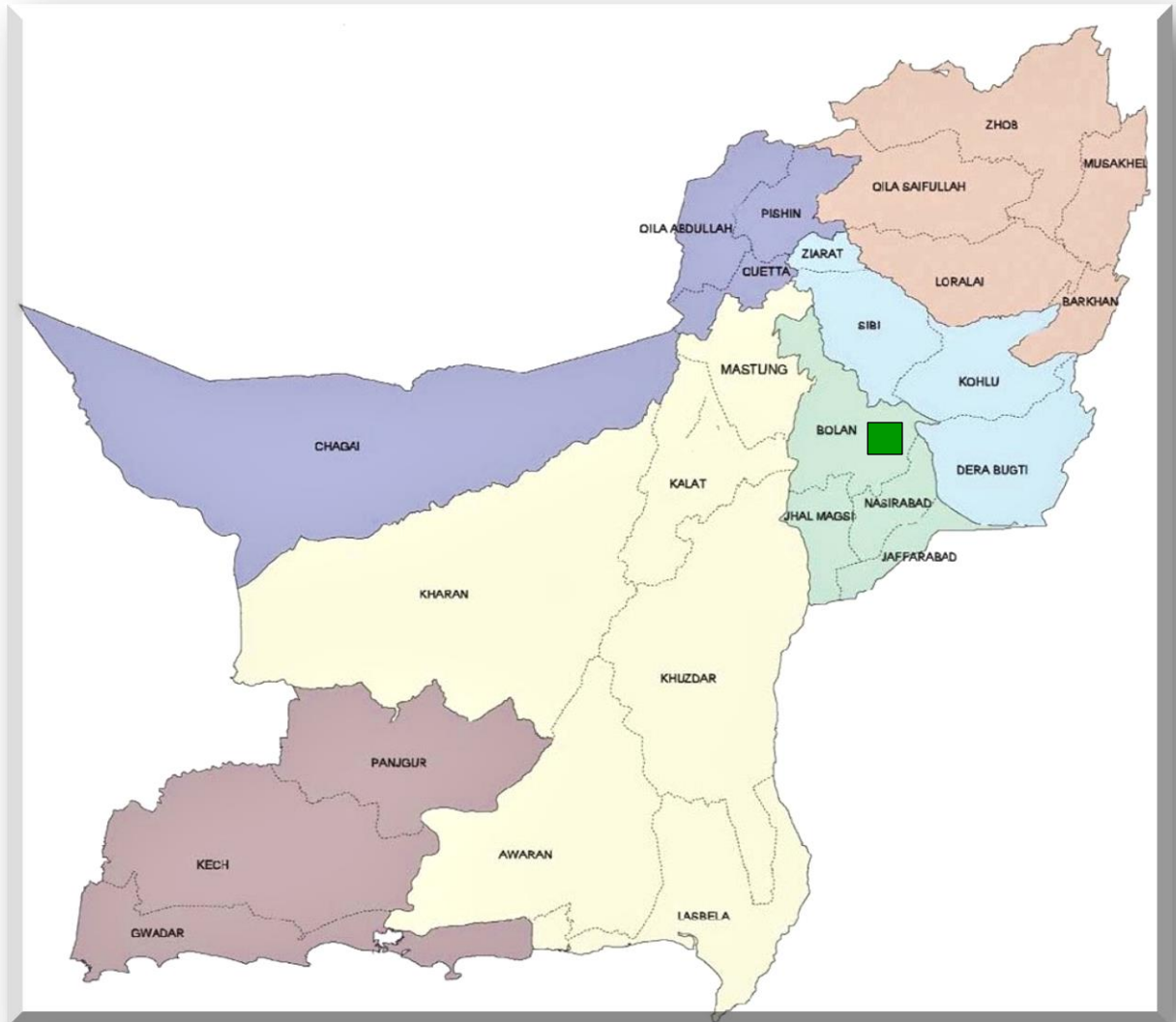


Strengthen Microplanning in High-Risk Union Councils

DISTRICT BOLAN



Balochistan Province Pakistan

Acronyms

BHU	Basic Health Unit
CD	Civil Dispensaries
DDHO	Deputy District Health Center
DHO	District Health Officer
DHC	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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Bolan District

Bolan district, also known as Kacchi district, is located in the province of Balochistan, in Pakistan. The district covers an area of 5,682 km², with the city of Dhadar being the principal town. The area, currently included in the Kachhi district, was used to be the part of old Thal Chotali district until 1888. Lately, it was placed under Kalat district on 30 June 1965. In the same year, Kachhi, Dhadar, Lehri, Balanari, Sanni, Bhag, Gandawa, Mirpur, Jhal, Tamboo and Chatter tehsils were separated from Kalat district to constitute Kachhi. Geographically, the district can be divided into the alluvial plain surrounding Kachhi and the hilly regions situated in the north and west of the district.

Mehargarh is the most important archaeologist site in district Kachhi. This site is one of the Neolithic (7000 BC to 2500 BC) civilizations in the world and the earliest evidence of farming (wheat and barley) and herding (cattle, sheep and goats) in South Asia.

Administratively, the district is divided into five tehsils and twenty-one union councils, with seven in Dhadar tehsil. The tehsils are listed as following:

1. Bhag
2. Dhadar
3. Machh
4. Sanni
5. Khattan

I. District Profile¹

Population – 2017	309,932
Population density	54.55 per Sq. km.
Rural population	258,952
Urban population	50,980
Average Household Size	7.47
Female	145,633
Male	164,291
Transgender	8
Average Annual Growth Rate (1998 - 2017)	1.02

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

II. PHC Facilities and Human Resource in District Bolan

Rural health center (RHC)	5
Basic health unit (BHU)	12
Civil dispensaries (CD)	17
Total No. of PHC facilities (EPI Sites EPIMIS)	16
Doctors at all PHC facilities in RHC, BHUs, CDs	25
Average No. of paramedics at all PHC facilities in RHC, BHUs, CDs	189
No. of vaccinators at all PHC facilities RHC, BHUs, CDs	37
Lady Health Workers (LHWs)	210
Lady Health Supervisors (LHSs)	9
Lady Health Workers (LHWs) trained in Routine EPI	92
Lady Health Workers (LHWs) un-trained in Routine EPI	96

III. 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	BHU Abe Gum	69
2	BHU Jalbani	35
3	BHU Kirta	74
4	BHU Kol Pur	73
5	BHU Kot Raisani	30
6	BHU Mushkaf	26
7	Civil Hospital Mach	51
8	DHQ Hospital Dhadar	74
9	RHC Chalgri	59
10	RHC Haji Shaher	72
11	RHC Mithri	14

There are 11/21 union councils in Bolan district in which PENTA III coverage was below 80%.

IV. Health facility wise Pentavalent III Coverage in district Bolan²

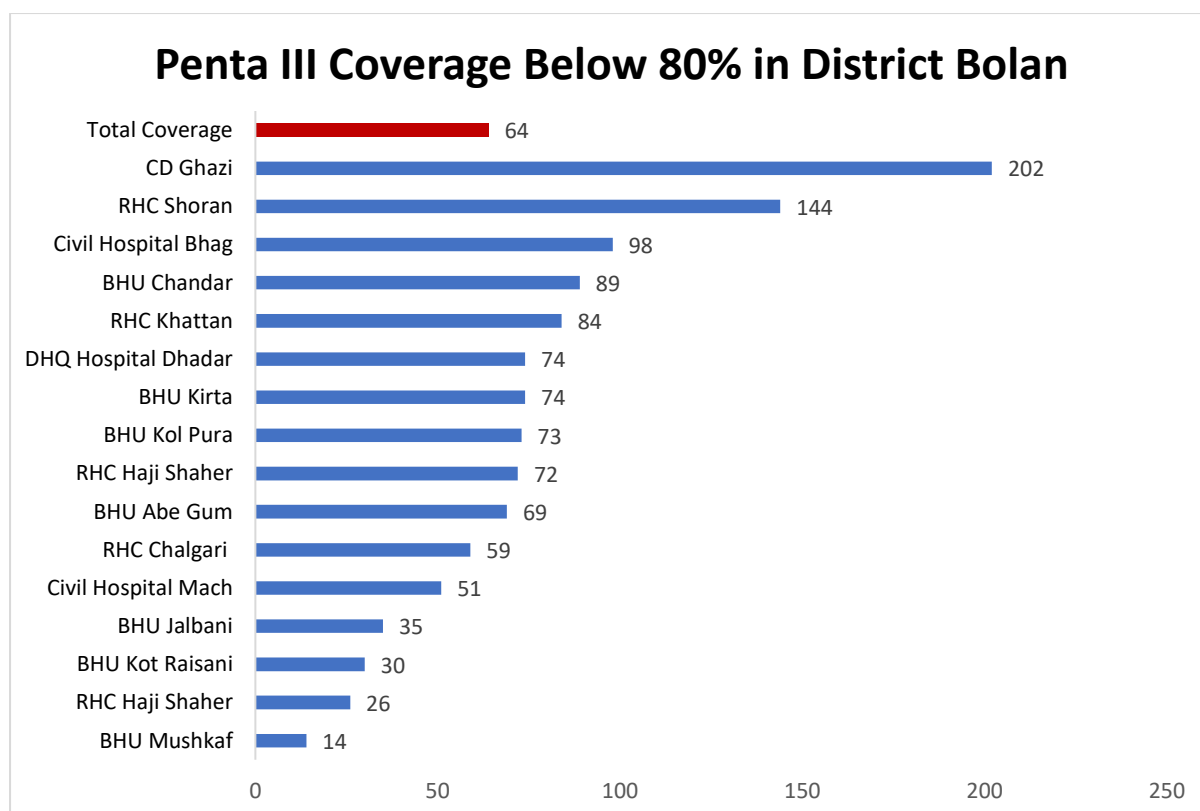
(Jan-Dec 2021)

S. No.	Type of Health Facility	Target		Pentavalent III	
		Newborns	Surviving Infants	Total	%
1	BHU Abe Gum	282	261	181	69
2	BHU Chandar	603	558	497	89
3	BHU Jalbani	323	299	104	35
4	BHU Kirta	108	100	74	74
5	BHU Kol Pura	249	231	168	73
6	BHU Kot Raisani	838	776	230	30
7	BHU Mushkaf	583	540	140	26
8	CD Ghazi	254	235	474	202
9	Civil Hospital Bhag	593	549	540	98
10	Civil Hospital Mach	885	820	416	51
11	DHQ Hospital Dhadar	440	407	303	74
12	RHC Chalgari	582	539	319	59
13	RHC Haji Shaheer	342	317	228	72
14	RHC Khattan	436	404	341	84
15	RHC Mithri	787	729	100	14
16	RHC Shoran	313	290	418	144
Total Coverage		7,618	7,055	4,533	64

According to the EMPIS Balochistan, in district Bolan there are 16 EPI centers. These comprise of 7 basic health units, 5 rural health centers, 3 hospitals and 1 civil dispensary. The data reveals that the overall coverage of Pentavalent III in district Bolan is 64%. However, there are 11 health facilities with less than 80% Pentavalent III coverage. The lowest coverage is reported as 14% in RHC Mithri.

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

² EMPIS Balochistan



V. LHWs Involvement in Routine EPI

S. No	Name of Health Facility	Total Attached LHWs	Total Attached LHSs
1	DHQ Hospital Dhadar	23	1
2	Civil Hospital Bhag	17	1
3	Civil Hospital Mach	18	1
4	RHC Mithri	10	1
5	RHC Haji Shaheer	4	0
6	RHC Chalgri	6	0
7	RHC Khattan	8	1
8	RHC Shoran	0	0
9	BHU Kot Raisani	0	0
10	BHU Mushkaf	4	0
11	BHU Jalbani	0	0
12	BHU Chandar	0	0
13	BHU Kolpur	2	0
14	BHU Abe Gum	0	0

15	BHU Kirta	0	0
16	CD Ghazi	0	0
Total =		92	5

The LHW MIS data reveals that there are 16/16 health facilities in which 92 LHWs are attached. Therefore, the LHW coverage in the district is 100%. However, the sub-optimal level of PENTA III coverage may be attributed to lack of trained LHWs attached 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 Bolan district.