

Assessment of Primary Health Care Services in Tribal Blocks of Rajasthan

Under the Guidance of

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INTRODUCTION:

Primary Health Centre:

- Is the cornerstone of rural health services
- A first port of call to a qualified doctor of the public sector in rural areas for the sick for curative, preventive and promotive health care.
- Covers a population of 20,000 in hilly, tribal, or difficult areas and 30,000 populations in plain areas
- With 6 indoor/observation beds.
- It acts as a referral unit for 6 Sub-Centres and refer out cases to CHC and higher order public hospitals.
- However, as the population density in the country is not uniform, the number of PHCs would depend upon the case load.

Why assessment

- A meeting was conducted between WISH Foundation India, NHM rajasthan officials and district CM&HO about primary health care status of every block of the 13 districts where Scale rajasthan project will be implemented. Initially 30 PHCs are selected to be handed over to WISH foundation for the next five years by NHM Rajasthan to manage on their own.
- In order to know the existing status of primary health care services at these blocks 6 PHCs were selected for the initial assessment and on the basis of this assessment further things are going to be planned accordingly.

Research Question:

- What are the existing infrastructure, manpower and other facilities available to ensure Primary health care services and identification of facilitating and hindering factors in the achievement of desired outputs?

Objectives:

1. To study and analyse the existing infrastructure, manpower and other facilities available to ensure Primary health care services in the tribal blocks of rajasthan as per IPHS guidelines.
2. To identify the facilitating and hindering factors in the achievement of desired outputs and suggest measures to correct them.

METHODOLOGY:

Study Type:

- Cross-Sectional Descriptive Study
- It involved both Qualitative and Quantitative type of study

Study Respondents:

Doctors, Nurses, pharmacist and administrative staff work in primary health centres.

Sampling method:

- Non probability sampling (Purposive sampling) method was used.

Tools and Techniques:

- Checklist was used as a tool for assessment which was prepared by Karuna Trust (working as an NGO partner with Wish Foundation) according to revised IPHS guidelines for Primary Health Centres.
- The checklist was filled by direct observation and remarks are to be noted and quality aspects will explored by interaction with respondents.

Facilities covered during field visit:

Health Care facilities covered during field visit				
S. No.	Zone	District	Block	Health facility
1.	Bharatpur	Sawai Madhopur	Sawai Madhopur	PHC Surwal
2.	Bharatpur	Sawai Madhopur	Bonli	PHC Bhadoti
3.	Kota	Baran	Chhabra	PHC Jepla
4.	Kota	Baran	Chhabra	PHC Pali
5.	Udaipur	Banswara	Kushal garh	PHC Timeda Bada
6.	Udaipur	Banswara	Kushal garh	PHC Ramgarh

OBSERVATIONS:

Manpower status available at Primary Health Centres.

MANPOWER	IPHS norms	Current Status (YES=1, NO=0 and for multiple 1 for each position)					
		PHC Surwal	PHC Bhadoti	PHC Jepla	PHC Pali	PHC Timeda Bada	PHC Ramgarh
Medical Officer In Charge (MOIC)	1	1	1	1	1	1	1
Medical Officer/Doctor	1	0	1	1	0	0	0
Lady Doctor	1	1	1	0	0	0	0
AYUSH Doctor	1	1	1	0	1	0	1
Health Assistant /LHV	1	1	0	1	1	0	0
Staff Nurse	3	1	3	3	0	3	1
Data Entry Operator	1	1	0	1	0	1	1
Lab Technician	1	1	1	1	1	1	0
Pharmacist	1	0	0	0	0	0	0
Clerical (SDC/FDC) Staff	2	2	2	0	0	0	0
Group D/ Class IV staff	4	1	1	1	1	0	0
Drivers	1	0	1	1	3	0	0
Total	18	10	12	10	8	6	4

Status of Infrastructure facilities available at Primary Health Centres.

INFRASTRUCTURE	Availability	Current Status (Code for YES=1, NO=0 and for others no. given against position)					
		PHC Surwal	PHC Bhadoti	PHC Jepla	PHC Pali	PHC Timeda Bada	PHC Ramgarh
What type of building is available for PHC?	1. Rented premises 2. NGO/PRI/Donated building 3. Government building, other government building	3	3	3	3	3	3
Does the PHC have 24 hour running water supply?	(Y/N)	1	1	0	1	1	1
Does the PHC have regular electricity supply?	(Y/N)	1	1	0	1	0	0
Is there any Power backup in PHC? (Generator / inverter)	(Y/N)	0	1	1	1	1	1
Is there any Communication facility (Mobile / landline) in PHC?	(Y/N)	0	1	1	1	0	0
Is there Internet facility in PHC?	(Y/N)	1	1	0	1	1	0
Are there separate public utilities for males and females?	(Y/N)	1	1	0	1	1	1

Is there residential facility for Doctor?	(Y/N)	0	1	1	1	0	1
Is there residential facility for Health Assistant (Male)?	(Y/N)	0	0	1	1	0	0
Is there residential facility for Health Assistant (Female)?	(Y/N)	0	0	0	1	0	0
Is there residential facility for nurse / ANM?	(Y/N)	0	1	1	1	1	1
Is a four wheeler available for program implementation?	(Y/N)	0	0	0	1	0	0
Is computer facility available?	(Y/N)	0	1	1	1	1	0
Are the following facilities available?							
• Operation Theatre	(Y/N)	0	0	0	0	1	0
• Labour Room/ IUD room	(Y/N)	1	1	1	1	1	1
• Outpatient Room	(Y/N)	1	1	1	1	1	1
• Injection room / dressing room	(Y/N)	1	1	1	0	1	0
• Ward	(Y/N)	1	1	1	1	1	1
• Dispensing room for giving medicines	(Y/N)	1	1	1	1	1	1
• Storeroom	(Y/N)	1	1	1	1	1	1
Total	22	13	18	15	20	16	13

Current status of equipments availability in Primary Health Centres.

EQUIPMENTS	Availability	Current Status (YES=1 and NO=0)					
		PHC Surwal	PHC Bhadoti	PHC Jepla	PHC Pali	PHC Timeda Bada	PHC Ramgarh
Deep freezer	(Y/N)	1	1	0	1	1	1
ILR (Ice Line Refrigerator)	(Y/N)	1	1	0	1	1	1
Cold Box	(Y/N)	1	1	1	1	1	1
Vaccine carrier	(Y/N)	1	1	1	1	1	1
Weighing machine for infants	(Y/N)	1	1	1	1	1	1
Weighing machine for adults	(Y/N)	1	1	1	1	1	1
BP instrument	(Y/N)	1	1	1	1	1	1
Autoclave	(Y/N)	1	1	1	1	0	1
Steam sterilizer	(Y/N)	0	1	0	0	0	1

MTP Instruments	(Y/N)	0	1	1	0	0	0
Labour room table and McIntosh Sheet	(Y/N)	1	1	1	1	1	1
light source available in labour room	(Y/N)	1	1	1	1	0	0
Suction Apparatus (Manual or Automatic)	(Y/N)	1	1	1	1	0	1
Needle Destroyer	(Y/N)	1	1	1	1	1	1
Oxygen Cylinder	(Y/N)	1	1	1	1	1	0
Fumigation machine	(Y/N)	0	0	0	0	0	0
Radiant warmer	(Y/N)	1	1	1	1	0	0
Phototherapy unit	(Y/N)	0	0	1	0	0	0
Total	18	14	16	14	14	10	12

Supply of Drugs and consumables at Primary Health Centres

DRUGS and CONSUMABLES	Availability	Current Status (YES=1 and NO=0)					
		PHC Surwal	PHC Bhadoti	PHC Jepla	PHC Pali	PHC Timeda Bada	PHC Ramgarh
Kit G IUD Insertion	(Y/N)	1	1	1	0	1	1
Kit I Normal Delivery Kit (DDK)	(Y/N)	1	1	1	1	1	1
Oral Pill	(Y/N)	1	1	1	1	1	1
Condoms	(Y/N)	1	1	1	1	1	1
Copper T	(Y/N)	1	1	1	1	1	1
BCG	(Y/N)	1	1	1	1	1	0
DPT	(Y/N)	1	1	1	1	1	0
OPV	(Y/N)	1	1	1	1	1	0
Measles	(Y/N)	1	1	1	1	1	0
T.T	(Y/N)	1	1	1	1	1	1
DT	(Y/N)	0	1	0	1	0	0
Hepatitis B	(Y/N)	0	1	1	1	1	1
IFA Tab Small	(Y/N)	0	1	1	1	1	0

IFA Tab Large	(Y/N)	1	1	1	1	1	1
ORS packet	(Y/N)	1	1	1	1	1	1
Vitamin A Solution	(Y/N)	1	1	1	1	0	0
Disposable delivery kit	(Y/N)	1	1	1	1	0	0
Antipyretics/Analgesics	(Y/N)	1	1	1	1	1	1
Inj .Gentamycin /Ampicillin	(Y/N)	1	1	1	1	1	1
Anti-snake Venom	(Y/N)	0	1	1	0	0	1
Chloroquin Tablets	(Y/N)	1	1	1	1	1	1
I/V fluids	(Y/N)	0	1	1	1	1	1
Tubectomy Kit	(Y/N)	0	0	0	0	0	0
Anti Rabies vaccine	(Y/N)	0	1	1	0	0	1
Anti Tubercular drugs	(Y/N)	1	1	1	1	1	1
Emergency Tray Drugs (Inj. Diazepam,Inj. Lignocaine Hydrochloride, Nifedipine Tablet, Inj. Magnesium Sulphate)	(Y/N)	0	1	1	0	1	0
Madilu Kits	(Y/N)	1	0	0	0	0	0
Total	27	19	25	24	21	20	16

Availability of Basic, New born, antenatal and laboratory services at PHCs

SERVICES	Availability	Current Status (YES=1 and NO=0)					
		PHC Surwal	PHC Bhadoti	PHC Jepla	PHC Pali	PHC Timeda Bada	PHC Ramgarh
Is this a functional 24*7 health facility?	(Y/N)	0	1	1	1	1	1
Is the doctor available 24x7?	(Y/N)	0	1	1	0	1	1
Are deliveries conducted in this facility?	(Y/N)	1	1	1	1	1	0
Are deliveries conducted 24*7?	(Y/N)	0	1	1	1	0	0
Is service for assisted delivery (forceps or vacuum) provided in this facility? (Y/N)	(Y/N)	0	0	0	0	0	0
Is administration of parenteral Oxytocics available?	(Y/N)	1	1	1	1	1	1
Is administration of parenteral antibiotics available?	(Y/N)	1	1	1	1	1	1
Are services for managing PPH available?	(Y/N)	0	1	1	1	0	0

Are essential newborn care services available?

• Does the facility have services for managing sick children?	(Y/N)	0	0	1	0	0	0
• Management of Diarrhoea	(Y/N)	1	1	1	1	0	0

Are antenatal care services provided in this facility?

• Is Haemoglobin estimation carried out?	(Y/N)	1	1	1	1	1	1
• Is injection TT given to pregnant women?	(Y/N)	1	1	1	1	1	1
• Is IFA tablets provided in ANC?	(Y/N)	1	1	1	1	1	1

Are the following basic laboratory services provided?

• Haematological test	(Y/N)	1	1	1	1	1	1
• Malaria test	(Y/N)	1	1	1	1	1	1
• TB test (Sputum testing for mycobacterium)	(Y/N)	1	1	1	1	1	1
• Test for Blood Sugar	(Y/N)	1	1	1	1	1	1
• Routine urine / stool examination	(Y/N)	1	1	1	1	1	1
Total	18	12	16	17	15	13	12

Status of Health Management Information system at Primary Health Care Centres.

HMIS	Availability	Current Status (YES=1 and NO=0)					
		PHC Surwal	PHC Bhadoti	PHC Jepla	PHC Pali	PHC Timeda Bada	PHC Ramgarh
Online Submission HMIS	(Y/N)	0	1	1	0	0	0
Monthly Integrated activity report	(Y/N)	1	1	1	1	1	1
Notifiable disease report	(Y/N)	0	1	1	1	0	0
Immunization report	(Y/N)	1	1	1	1	1	0
Family planning registers	(Y/N)	1	1	1	1	1	1
Total	5	3	5	5	4	3	2

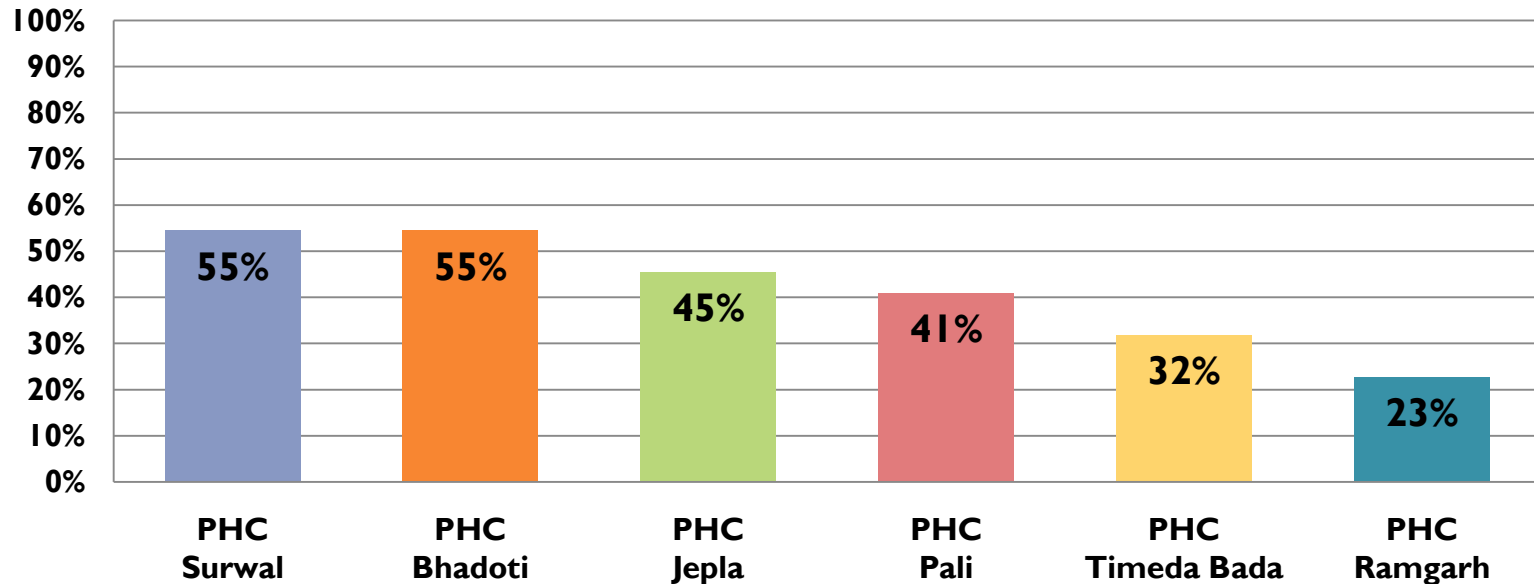
Other Existing Facilities provided at Primary Health Care Centres.

OTHER FACILITIES	Availability	Current Status (YES=1 and NO=0)					
		PHC Surwal	PHC Bhadoti	PHC Jepla	PHC Pali	PHC Timeda Bada	PHC Ramgarh
Is Citizen's charter with the list of available services displayed in local language?	(Y/N)	1	0	1	1	0	0
Is deep burial pit used for BMW disposal in PHC?	(Y/N)	1	0	1	0	1	1
Are colour bins used for BMW segregation in the PHC?	(Y/N)	1	1	1	1	1	1
Are Needle destroyers being used?	(Y/N)	1	1	1	1	1	1
Is fumigation done in OT and Labour Room?	(Y/N)	0	0	0	0	0	0
Is Pucca Road leading to PHC?	(Y/N)	1	1	1	0	1	1

Is Floor of primary health centre pucca?	(Y/N)	1	1	1	1	1	1
Is Seepage in walls absent or present?	(Y/N)	0	1	0	1	1	0
Do the Toilets in PHC have running water & drainage facility?	(Y/N)	0	0	0	1	1	1
Are toilets in the PHC clean or not?	(Y/N)	1	0	1	0	0	1
Is Drainage system available?	(Y/N)	0	0	1	0	0	0
Is the building and the premises clean or not?	(Y/N)	1	1	1	0	1	0
Total	12	8	6	9	6	8	7

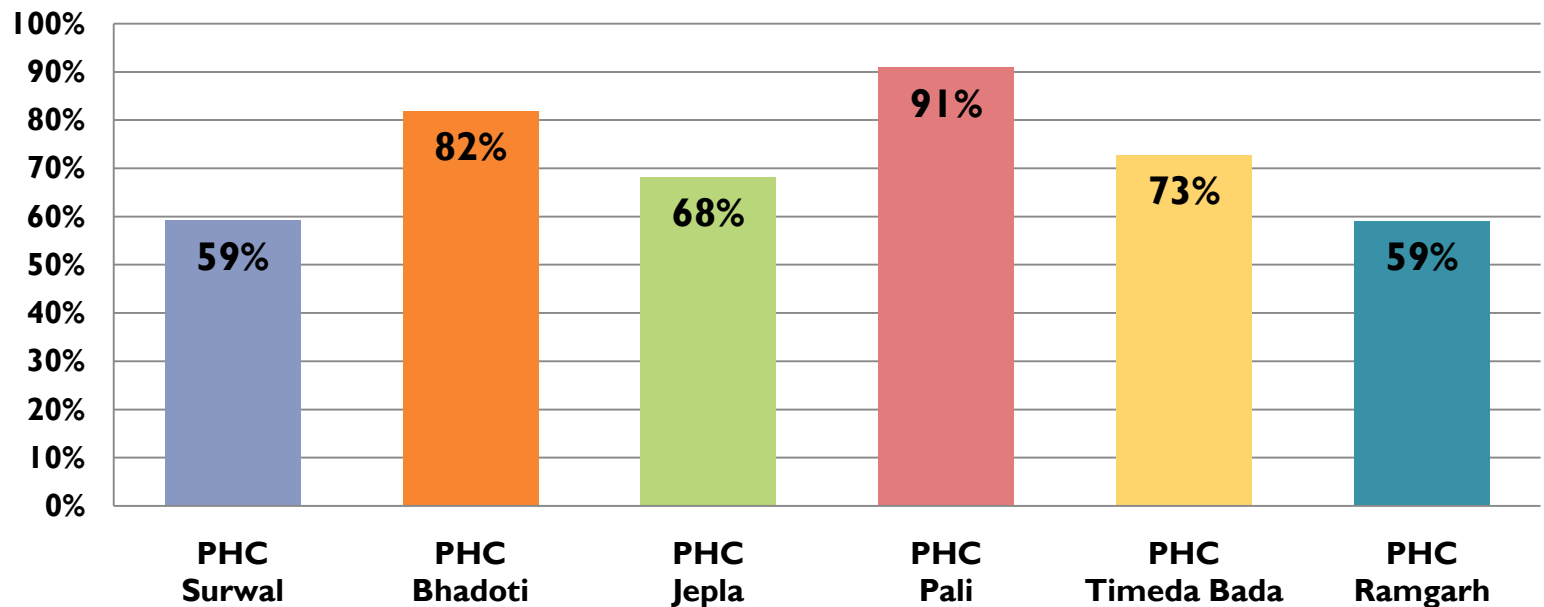
RESULTS:

Manpower Status at PHCs



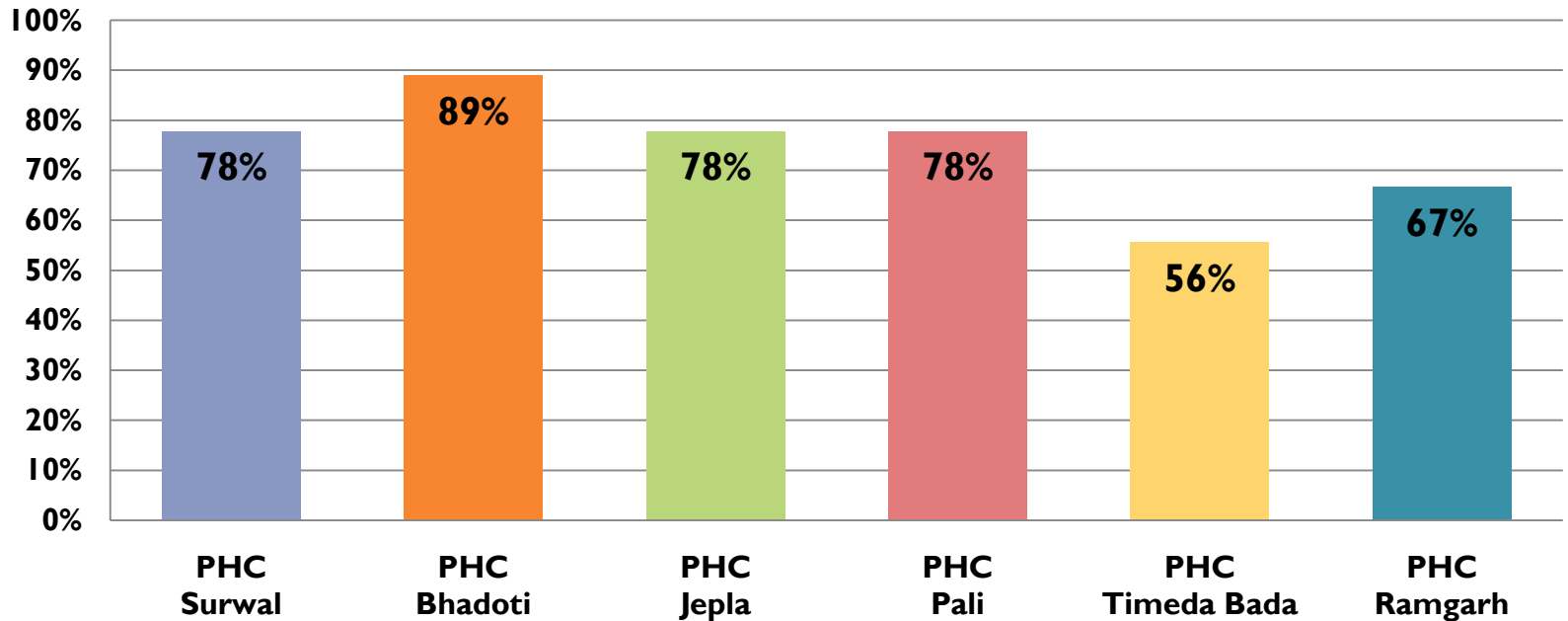
- Huge gap found between existing manpower in comparison with IPHS standards.
- The result shown only two PHCs, surwal and bhadoti had more than 50% staff required and in rest of them it was not even half of standards.
- Doctor and nursing staff were in positioned in all PHCs but posts of other staff like Pharmacist, data entry operators, information assistants, health activists, driver and group D workers were vacant.

Infrastructure Facilities Available at PHCs



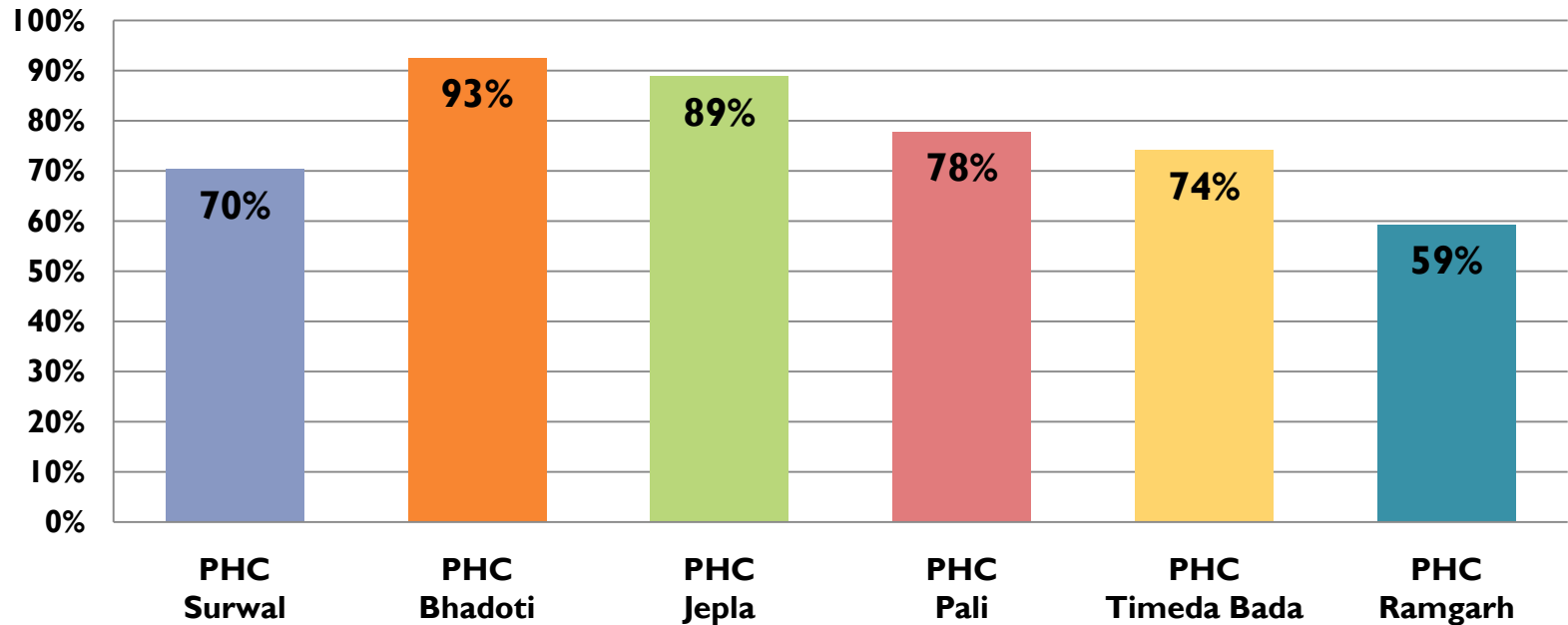
- PHC pali and bhadoti were very good as they had 91% and 82% availability of infrastructure facilities respectively. Other PHCs like timeda bada and jepla were good as they scored 73% and 68% and rest of them surwal and ramgarh had 59% infrastructural services.
- All primary health centres had government premises with individual space for labour room, outpatient room, ward, medical dispensing and storage rooms but residential quarters for doctors and other staffs were not available due to these PHCs were facing difficulties to manage 24*7 deliveries and other emergency cases.

Equipments Available at PHCs



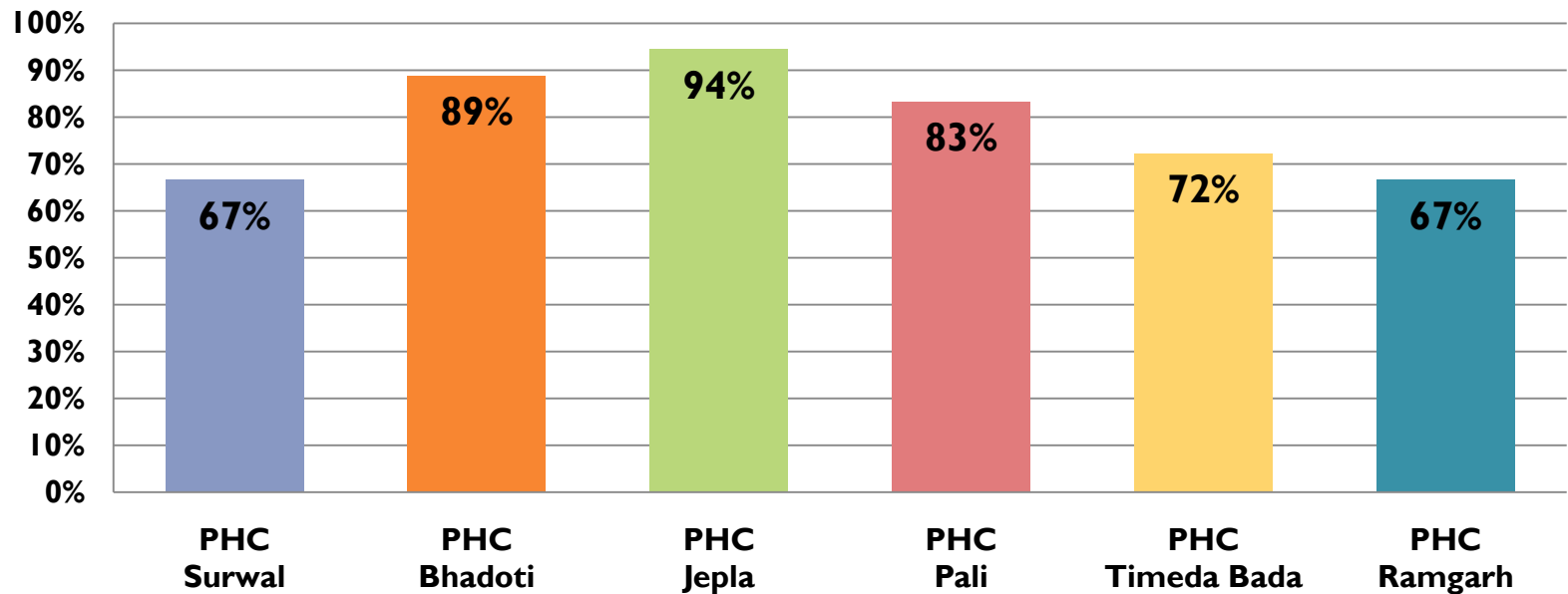
- Primary health care centres were phenomenally sound in terms of equipments availability as 4 out of 6 PHCs had more than 75% of listed equipments.
- PHC bhadoti had 89% and surwal, jepla and pali were having 78% equipments. Ramgarh and timedada bada were weak in terms because of having 67% and 56% equipments only.
- Equipments that were unavailable at health facilities were mainly steam sterilizer, MTP instruments, light source in labour room, radiant warmer in new born care corner, fumigation machine and photo therapy units.

Supply of Drugs and Consumables at PHCs



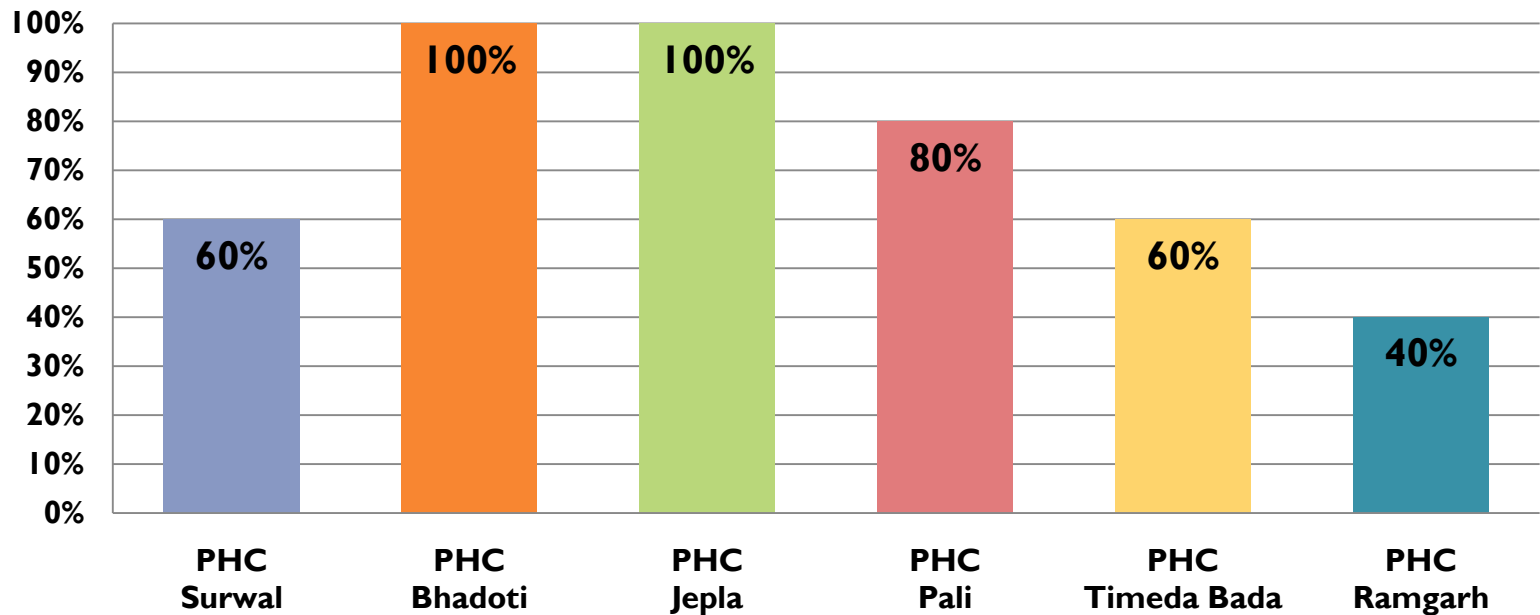
- Supply of medicines were found remarkably well in bhadoti and jepla PHCs which were 93% and 89% respectively. In other PHCs like in pali, surwal and timeda bada it was 78%, 70% and 74% respectively. PHC ramgarh was in poor state (only 59%) as vaccines for immunization of infants were also not procured.
- Supply of Vitamin A, anti snake venom, anti rabies vaccine and emergency drug trays were irregular and it could be converted into troublesome situation in case of emergency.

Service Availability at PHCs



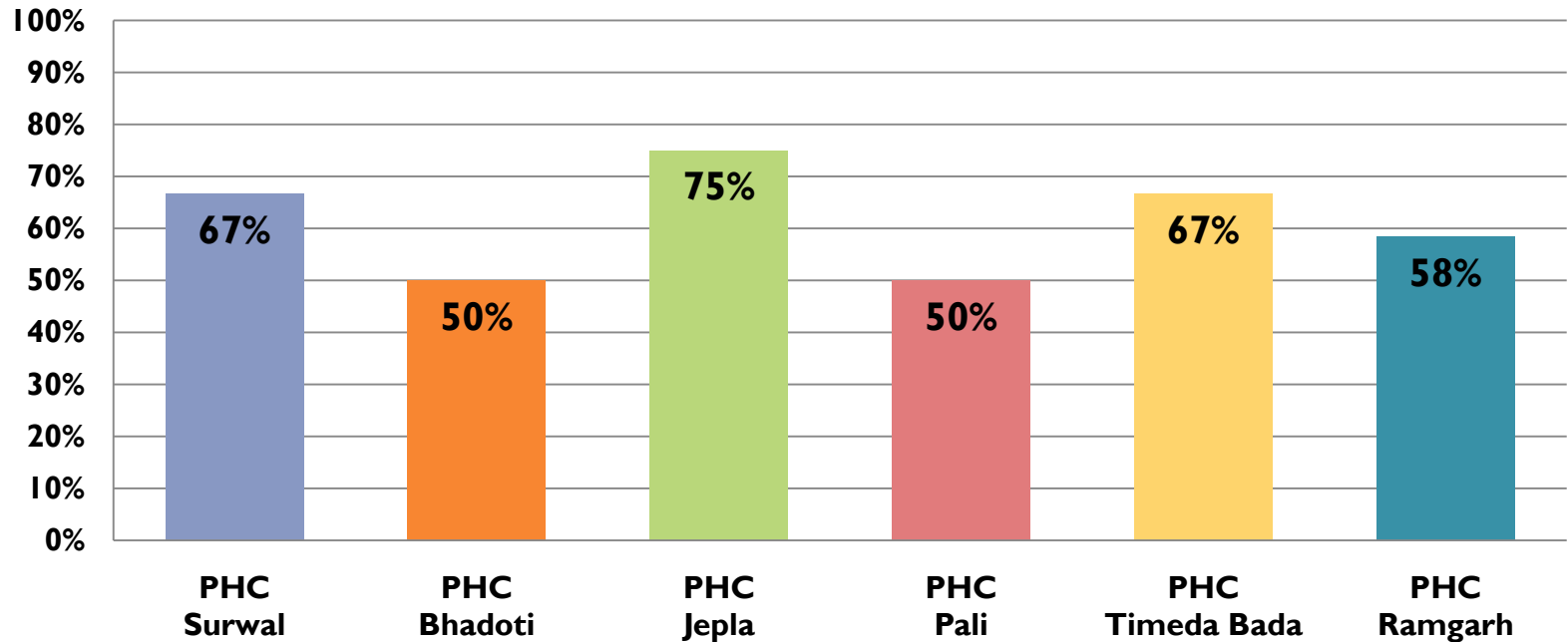
- PHC jepla, bhadoti and pali were providing more than 80% of service deliverables 94%, 89% and 83% respectively at primary care level which was showing the reach of healthcare services on ground level. But it was quite low in rest others as in timeda bada it was 72% and in surwal and ramgarh both it was 67%.
- Service delivery was directly affected by current status of manpower and their residence in health centre. In bhadoti and jepla and pali both doctor and ANM were used to stay in quarters available at PHC so 24*7 delivery and infants cases were managed.
- It was found difficult to provide services of assisted deliveries and management of sick new born at PHC level so all facilities used to refer these cases to block level.

Current Status of HMIS System



- Online Submission of HMIS data were performed by bhadoti and jepla only.
- Rest other facilities had maintained data as hard copy and data entry was done at block level.
- This was due to absence of data entry operator/information assistants or lack of computer/internet facility.

Other Facilities available at PHCs



- All health centres scored in between 50% to 75%, jepla were fulfilled 75% of requirements. Surwal and timedada 67% both, ramgarh 58% and only 50% of these facilities were provided by bhadoti and pali.
- Status of these services were not so good at primary healthcare level as citizen's charter were not available, fumigation were not performed and cleaning and drainage system were also in poor state.
- Seepage was present in some of them and disposal of bio medical waste was not done as per guidelines.

Key findings:

- Doctor and nursing staff were in positioned in all PHCs but posts of other staff like Pharmacist, data entry operators, information assistants, health activists, driver and group D workers were vacant.
- Residential quarters for doctors and other staffs were not available at these PHCs.
- Equipments like steam sterilizer, MTP instruments, light source in labour room, radiant warmer in new born care corner, fumigation machine and photo therapy units were not available at health facilities .
- Supply of Vitamin A, anti snake venom, anti rabies vaccine and emergency drug trays were irregular and it could be converted into troublesome situation.
- PHC ramgarh was in poor state in medical supply (only 59%) as vaccines for immunization of infants were also not procured.

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- Service delivery was affected by current status of manpower and their residence in health centres but Doctor/ ANM were used to stay only in bhadoti and jepla so 24*7 delivery and infants cases were not managed in rest.
 - It was found difficult to provide services of assisted deliveries and management of sick new born at PHC level so all facilities used to refer these cases to block level.
 - Data entry operator/ information assistants were not positioned so HMIS data were not generated at PHC level other than that computer/ internet facility were also not there.
 - Status of services delivery were not so good at primary healthcare level as citizen's charter were not available, fumigation were not performed and cleaning and drainage system were also in poor state.
 - Seepage was present in some of them and disposal of bio medical waste was not done as per guidelines.

Recommendations

- The main idea behind this takeover of PHC was to select those PHCs not having doctor but it was surprising that all facilities had doctors, so we have to ask NHM rajasthan officials to revise and provide the updated list of PHCs not having doctors.
- Residential quarters for Doctors and other staffs were not there so if we are going to take those facilities, we have to spend major budget head on infrastructure.

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- Supply of drug and consumables were not proper as Vitamin A, anti snake venom, anti rabies vaccine and emergency drug trays etc. were not available, so we have to discuss about it with NHM and RMRS people to make sure the regular supply.
 - We have to convey NHM to provide necessary equipments like radiant warmer in new born care corner, steam sterilizer, MTP instruments, light source in labour room etc. that were absent in health facilities .
 - We have to ask NHM officials to provide proper IEC material for PHCs and establish proper mechanism for disposal of bio medical waste.
 - Emergency services (108 ambulance) and Janani express (104) were not available at PHC so we have to ensure about access of these referral services by GVK- EMRI and NHM rajasthan.

